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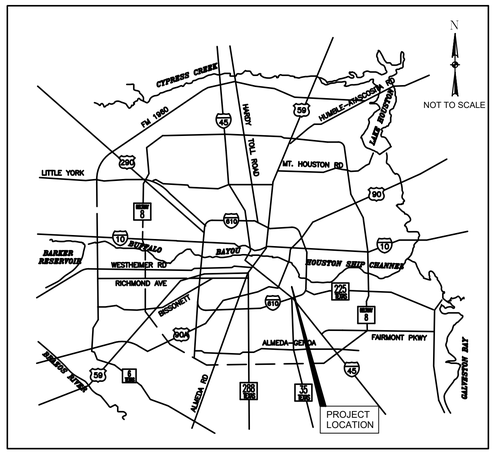
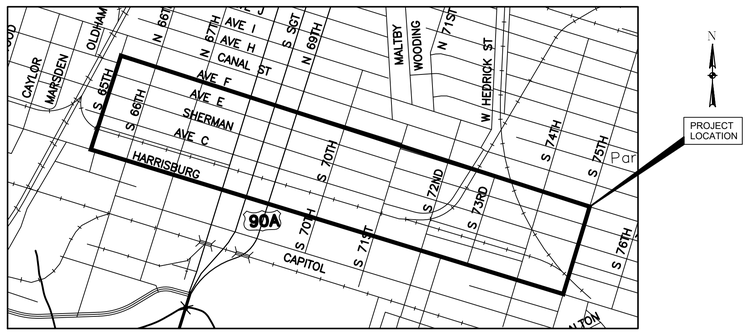
CITY OF HOUSTON
HOUSTON PUBLIC WORKS
CAPITAL PROJECTS
NEIGHBORHOOD WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WBS NO. S-000035-0267-3

90% SUBMITTAL
DECEMBER 12, 2025



LOCATION MAP
NOT TO SCALE



VICINITY MAP
KEY MAP NO 494U, 494V, 494Z, 495S & 495W
GIMS MAP NO 5556A & 5556B
COUNCIL DISTRICT I

TDLR EABPR N/A

MAYOR
JOHN WHITMIRE

CONTROLLER
CHRIS HOLLINS

DISTRICT COUNCIL MEMBERS

AMY PECK — DISTRICT A
TARSHA JACKSON — DISTRICT B
ABBIE KAMIN — DISTRICT C
CAROLYN EVANS–SHABAZZ — DISTRICT D
FRED FLICKINGER — DISTRICT E
TIFFANY D. THOMAS — DISTRICT F
MARY NAN HUFFMAN — DISTRICT G
MARIO CASTILLO — DISTRICT H
JOAQUIN MARTINEZ — DISTRICT I
EDWARD POLLARD — DISTRICT J
MARTHA CASTEX–TATUM — DISTRICT K

COUNCIL MEMBERS AT–LARGE

JULIAN RAMIREZ — POSITION 1
WILLIE DAVIS — POSITION 2
TWILA CARTER — POSITION 3
LETITIA PLUMMER — POSITION 4
SALLIE ALCORN — POSITION 5

DCCM Infrastructure, Inc.
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1710 Seamist Dr
Houston, TX 77008
713.869.3433
DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY: LANDTECH, INC.
FB NO. P–6397

PARKS–FORESTRY DEPT.

METRO

HOUSTON WATER

TRANSPORTATION & DRAINAGE OPERATIONS

CAPITAL PROJECTS

SURVEY

CITY ENGINEER DATE

DIRECTOR OF HOUSTON PUBLIC WORKS DATE

FOR CITY OF HOUSTON USE ONLY

SHEET NO 1 OF 318 SHEETS

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-COVER.dwg

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FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-INDEX.dwg

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29	HARRISBURG BLVD PLAN & PROFILE STA. 8+00 TO STA. 13+00
30	HARRISBURG BLVD PLAN & PROFILE STA. 13+00 TO STA. 18+00
31	HARRISBURG BLVD PLAN & PROFILE STA. 35+00 TO STA. 40+00
32	HARRISBURG BLVD PLAN & PROFILE STA. 40+00 TO STA. 45+00
33	HARRISBURG BLVD PLAN & PROFILE STA. 45+00 TO STA. 49+00
34	HARRISBURG BLVD PLAN VIEW STA. 49+00 TO STA. 53+00
35	HARRISBURG BLVD PROFILE VIEW STA 49+00 TO STA 53+00
36	HARRISBURG BLVD PLAN & PROFILE STA. 56+00 TO STA. 61+00
37	HARRISBURG BLVD PLAN & PROFILE STA. 61+00 TO STA. 66+00
38	HARRISBURG BLVD PLAN & PROFILE STA. 66+00 TO STA. 71+00
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39	AVENUE B PLAN & PROFILE STA. 0+00 TO STA. 4+00
40	AVENUE B PLAN & PROFILE STA. 4+00 TO STA. 8+00
41	AVENUE B PLAN & PROFILE STA. 8+00 TO STA. 13+00
42	AVENUE B PLAN & PROFILE STA. 13+00 TO STA. 18+00
43	AVENUE B PLAN STA. 18+00 TO STA. 23+00
44	AVENUE B PROFILE STA. 18+00 TO STA. 23+00
45	AVENUE B PLAN STA. 23+00 TO STA. 28+00
46	AVENUE B PROFILE STA. 23+00 TO STA. 28+00
47	AVENUE B PLAN STA. 28+00 TO STA. 33+00
48	AVENUE B PROFILE STA. 28+00 TO STA. 33+00
49	AVENUE B PLAN STA. 43+00 TO STA. 48+00
50	AVENUE B PROFILE STA. 43+00 TO STA. 48+00
51	AVENUE B PLAN & PROFILE STA. 48+00 TO STA. 52+50
52	AVENUE B PLAN STA. 52+50 TO STA. 57+50
53	AVENUE B PROFILE STA. 52+50 TO STA. 57+50
54	AVENUE B PLAN & PROFILE STA. 57+50 TO STA. 61+00
PLAN & PROFILES (E-W): AVENUE C (WEST OF 71ST)	
55	AVENUE C (WEST OF 71ST) PLAN VIEW STA. 1+00 TO STA. 6+00
56	AVENUE C (WEST OF 71ST) NORTH ROW PROFILE STA. 1+00 TO STA. 6+00
57	AVENUE C (WEST OF 71ST) SOUTH ROW PROFILE STA. 1+00 TO STA. 6+00
58	AVENUE C (WEST OF 71ST) PLAN & PROFILE STA. 6+00 TO STA. 10+00
59	AVENUE C (WEST OF 71ST) PLAN & PROFILE STA. 10+00 TO STA. 15+00
60	AVENUE C (WEST OF 71ST) PLAN & PROFILE STA. 15+00 TO STA. 20+00
61	AVENUE C (WEST OF 71ST) PLAN VIEW STA. 20+00 TO STA. 25+00
62	AVENUE C (WEST OF 71ST) PROFILE VIEW STA. 20+00 TO STA. 25+00
63	AVENUE C (WEST OF 71ST) PLAN VIEW STA. 25+00 TO STA. 30+00
64	AVENUE C (WEST OF 71ST) PROFILE VIEW STA. 25+00 TO STA. 30+00
65	AVENUE C (WEST OF 71ST) PLAN VIEW STA. 30+00 TO STA. 35+00
66	AVENUE C (WEST OF 71ST) PROFILE ONLY STA. 30+00 TO STA. 35+00
67	AVENUE C (WEST OF 71ST) PLAN VIEW STA. 35+00 TO STA. 40+00
68	AVENUE C (WEST OF 71ST) PROFILE VIEW STA. 35+00 TO STA. 40+00
69	AVENUE C (WEST OF 71ST) PLAN & PROFILE STA. 40+00 TO STA. 44+50
PLAN & PROFILES (E-W): AVENUE C (71ST TO 72ND)	
70	AVENUE C (71ST TO 72ND) PLAN & PROFILE STA. 1+00 TO STA. 6+00
71	AVENUE C (71ST TO 72ND) PLAN VIEW STA. 6+00 TO STA. 9+50
72	AVENUE C (71ST TO 72ND) PROFILE VIEW STA. 6+00 TO STA. 9+50
PLAN & PROFILES (E-W): AVENUE C (EAST OF 72ND)	
73	AVENUE C (71ST TO 72ND) PROFILE VIEW (E OF 72) STA. 0+00 TO 3+00
74	AVENUE C (EAST 72ND) PLAN & PROFILE STA. 2+00 TO STA. 7+00
75	AVENUE C (EAST 72ND) PLAN & PROFILE STA. 7+00 TO STA. 12+00
76	AVENUE C (EAST 72ND) PLAN & PROFILE STA. 12+00 TO STA. 15+75
PLAN & PROFILES (E-W): SHERMAN ST (WEST OF 71ST)	
77	SHERMAN ST(WEST OF 71ST) PLAN & N PROFILE STA. 1+00 TO STA. 6+00
78	SHERMAN ST(WEST OF 71ST) PLAN & S PROFILE STA. 1+00 TO STA. 6+00
79	SHERMAN ST(WEST OF 71ST) PLAN & PROFILE STA. 6+00 TO STA. 10+00
80	SHERMAN ST(WEST OF 71ST) PROFILE STA. 6+00 TO STA. 10+00+
81	SHERMAN ST(WEST OF 71ST) PLAN & PROFILE STA. 10+00 TO STA. 15+00
82	SHERMAN ST(WEST OF 71ST) PLAN VIEW STA. 15+00 TO STA. 20+00
83	SHERMAN ST(WEST OF 71ST) PROFILE VIEW STA. 15+00 TO STA. 20+00
84	SHERMAN ST(WEST OF 71ST) PLAN STA. 20+00 TO STA. 25+00
85	SHERMAN ST(WEST OF 71ST) PROFILE STA. 20+00 TO STA. 25+00
86	SHERMAN ST(WEST OF 71ST) PLAN STA. 25+00 TO STA. 30+00
87	SHERMAN ST(WEST OF 71ST) PROFILE STA. 25+00 TO STA. 30+00
88	SHERMAN ST(WEST OF 71ST) PLAN STA. 30+00 TO STA. 35+00
89	SHERMAN ST(WEST OF 71ST) PROFILE STA. 30+00 TO STA. 35+00
90	SHERMAN ST(WEST OF 71ST) PLAN STA. 35+00 TO STA. 40+00
91	SHERMAN ST(WEST OF 71ST) PROFILE STA. 35+00 TO STA. 40+00
92	SHERMAN ST(WEST OF 71ST) PLAN & PROFILE STA. 40+00 TO STA. 44+45
PLAN & PROFILES (E-W): SHERMAN ST (EAST OF 71ST)	
93	SHERMAN ST (EAST OF 71ST) PLAN & PROFILE STA. 1+00 TO STA. 6+00
94	SHERMAN ST (EAST OF 71ST) PLAN STA. 6+00 TO STA. 11+00
95	SHERMAN ST(EAST OF 71ST) PROFILE STA. 6+00 TO STA. 11+00
96	SHERMAN ST(EAST OF 71ST) PLAN STA. 11+00 TO STA. 16+00
97	SHERMAN ST(EAST OF 71ST) PROFILE STA. 11+00 TO STA. 16+00
98	SHERMAN ST(EAST OF 71ST) PLAN & PROFILE STA. 16+00 TO STA. 21+00
99	SHERMAN ST(EAST OF 71ST) PLAN STA. 21+00 TO STA. 26+00
100	SHERMAN ST(EAST OF 71ST) PROFILE STA. 21+00 TO STA. 26+00
101	SHERMAN ST(EAST OF 71ST) PLAN STA. 26+00 TO STA. 29+50
102	SHERMAN ST(EAST OF 71ST) PROFILE STA. 26+00 TO STA. 29+50
PLAN & PROFILES (E-W): AVENUE E (WEST OF 71ST)	
103	AVENUE E (WEST OF 71ST) PLAN & PROFILE STA. 1+00 TO STA. 6+00
104	AVENUE E (WEST OF 71ST) PLAN & PROFILE STA. 6+00 TO STA. 10+00
105	AVENUE E (WEST OF 71ST) PLAN & PROFILE STA. 10+00 TO STA. 15+00
106	AVENUE E (WEST OF 71ST) PLAN STA. 15+00 TO STA. 20+00
107	AVENUE E (WEST OF 71ST) PROFILE STA. 15+00 TO STA. 20+00
108	AVENUE E (WEST OF 71ST) PLAN STA. 20+00 TO STA. 25+00
109	AVENUE E (WEST OF 71ST) PROFILE STA. 20+00 TO STA. 25+00
110	AVENUE E (WEST OF 71ST) PLAN STA. 25+00 TO STA. 30+00
111	AVENUE E (WEST OF 71ST) PROFILE STA. 25+00 TO STA. 30+00
112	AVENUE E (WEST OF 71ST) PLAN & PROFILE STA. 30+00 TO STA. 35+00
113	AVENUE E (WEST OF 71ST) PLAN & PROFILE STA. 35+00 TO STA. 40+00
114	AVENUE E (WEST OF 71ST) PLAN & PROFILE STA. 40+00 TO STA. 42+00
PLAN & PROFILES (E-W): AVENUE E (EAST OF 71ST)	
115	AVENUE E (EAST OF 71ST) PLAN & PROFILE STA. 1+00 TO STA. 6+00
116	AVENUE E (EAST OF 71ST) PLAN STA. 6+00 TO STA. 9+50
117	AVENUE E (EAST OF 71ST) PROFILE STA. 6+00 TO STA. 9+50
PLAN & PROFILES (E-W): BRADY STREET	
118	BRADY STREET PLAN & PROFILE STA. 3+00 TO STA. 7+73
PLAN & PROFILES (E-W): AVENUE F (WEST OF 71ST)	
119	AVENUE F (WEST OF 71ST) PLAN & PROFILE STA. 1+00 TO STA. 6+00
120	AVENUE F (WEST OF 71ST) PLAN & PROFILE STA. 6+00 TO STA. 10+00
121	AVENUE F (WEST OF 71ST) PLAN & PROFILE STA. 10+00 TO STA. 15+00
122	AVENUE F (WEST OF 71ST) PLAN & PROFILE STA. 15+00 TO STA. 20+00
123	AVENUE F (WEST OF 71ST) PLAN STA. 20+00 TO STA. 25+00
124	AVENUE F (WEST OF 71ST) PROFILE STA. 20+00 TO STA. 25+00
125	AVENUE F (WEST OF 71ST) PLAN STA. 25+00 TO STA. 30+00
126	AVENUE F (WEST OF 71ST) PROFILE STA. 25+00 TO STA. 30+00
127	AVENUE F (WEST OF 71ST) PLAN STA. 30+00 TO STA. 35+00
128	AVENUE F (WEST OF 71ST) PROFILE STA. 30+00 TO STA. 35+00
129	AVENUE F (WEST OF 71ST) PLAN & PROFILE STA. 35+00 TO STA. 40+00
130	AVENUE F (WEST OF 71ST) PLAN & PROFILE STA. 40+00 TO STA. 43+00
PLAN & PROFILES (E-W): AVENUE F (EAST OF 71ST)	
131	AVENUE F (EAST OF 71ST) PLAN & PROFILE STA. 1+00 TO STA. 6+00
132	AVENUE F (EAST OF 71ST) PLAN STA. 6+00 TO STA. 11+00
133	AVENUE F (EAST OF 71ST) PROFILE STA. 6+00 TO STA. 11+00
134	AVENUE F (EAST OF 71ST) PLAN VIEW STA. 11+00 TO STA. 16+00
135	AVENUE F (EAST OF 71ST) PROFILE VIEW STA. 11+00 TO STA. 16+00
136	AVENUE F (EAST OF 71ST) PLAN & PROFILE STA. 16+00 TO STA. 21+00
137	AVENUE F (EAST OF 71ST) PLAN & PROFILE STA. 21+00 TO STA. 26+00
138	AVENUE F (EAST OF 71ST) PLAN & PROFILE STA. 26+00 TO STA. 29+00
PLAN & PROFILES (N-S): 65TH STREET	
139	65TH STREET PLAN VIEW STA. 1+00 TO 6+00
140	65TH STREET PROFILE VIEW STA. 1+00 TO STA 6+00
141	65TH STREET PLAN VIEW STA. 6+00 TO 11+00
142	65TH STREET PROFILE VIEW STA 6+00 TO STA 11+00
143	65TH STREET PLAN & PROFILE STA. 11+00 TO 16+00
144	65TH STREET PLAN & PROFILE STA. 16+00 TO 19+00
PLAN & PROFILES (N-S): 66TH STREET	
145	66TH STREET PLAN VIEW STA. 1+00 TO 6+00
146	66TH STREET PROFILE VIEW STA. 1+00 TO STA. 6+00
147	66TH STREET PLAN STA. 6+00 TO 11+00
148	66TH STREET PROFILE VIEW STA. 6+00 TO STA. 11+00
149	66TH STREET PLAN & PROFILE STA. 11+00 TO 16+00
150	66TH STREET PLAN & PROFILE STA. 16+00 TO 19+00
PLAN & PROFILES (N-S): 67TH STREET	
151	67TH STREET PLAN VIEW STA. 1+00 TO 6+00
152	67TH STREET PROFILE VIEW STA. 1+00 TO STA. 6+00
153	67TH STREET PLAN VIEW STA. 6+00 TO 11+00
154	67TH STREET PROFILE VIEW STA. 6+00 TO STA. 11+00
155	67TH STREET PLAN & PROFILE STA. 11+00 TO 16+00
156	67TH ST. PLAN & PROFILE STA. 16+00 TO STA. 20+00
PLAN & PROFILES (N-S): 68TH STREET	
157	68TH STREET PLAN VIEW STA. 1+00 TO 6+00
158	68TH STREET PROFILE VIEW STA. 1+00 TO STA. 6+00
159	68TH STREET PLAN VIEW STA. 6+00 TO 11+00
160	68TH STREET PROFILE VIEW STA. 6+00 TO STA. 11+00
161	68TH STREET PLAN VIEW STA. 11+00 TO 16+00
162	68TH STREET PROFILE VIEW STA. 11+00 TO STA. 16+00
163	68TH STREET PLAN & PROFILE STA. 16+00 TO 19+00
PLAN & PROFILES (N-S): 69TH STREET	
164	69TH STREET PLAN VIEW STA. 1+00 TO 6+00
165	69TH STREET PROFILE VIEW STA. 1+00 TO STA. 6+00
166	69TH STREET PLAN VIEW STA. 6+00 TO 11+00
167	69TH STREET PROFILE VIEW STA. 6+00 TO STA. 11+00
168	69TH STREET PLAN & PROFILE STA. 11+00 TO 16+00
PLAN & PROFILES (N-S): 70TH STREET	
169	70TH STREET PLAN STA. 1+00 TO 6+00
170	70TH STREET PROFILE STA. 1+00 TO STA. 6+00
171	70TH STREET PLAN VIEW STA. 6+00 TO 10+00
172	70TH STREET PROFILE VIEW STA. 6+00 TO STA. 10+00
PLAN & PROFILES (N-S): 71ST STREET	
173	71ST STREET PLAN VIEW STA. 1+00 TO 5+00
174	71ST STREET PROFILE VIEW STA. 1+00 TO STA. 5+00
175	71ST STREET PLAN VIEW STA. 5+00 TO 10+00
176	71ST STREET PROFILE VIEW STA. 5+00 TO STA. 10+00
177	71ST STREET PLAN & PROFILE STA. 10+00 TO 15+00
178	71ST STREET PLAN & PROFILE STA. 15+00 TO 18+00
PLAN & PROFILES (N-S): 72ND STREET	
179	72ND STREET PLAN VIEW STA. 1+00 TO 5+00
180	72ND STREET PROFILE VIEW STA. 1+00 TO STA. 5+00
181	72ND STREET PLAN VIEW STA. 5+00 TO 10+00
182	72ND STREET N ROW PROFILE STA. 5+00 TO STA. 10+00
183	72ND STREET S ROW PROFILE STA. 5+00 TO STA. 10+00
184	72ND STREET PLAN VIEW STA. 10+00 TO 15+00
185	72ND STREET PROFILE VIEW STA. 10+00 TO STA. 15+00
186	72ND STREET PLAN & PROFILE STA. 15+00 TO 18+00
PLAN & PROFILES (N-S): 73RD STREET	
187	73RD STREET PLAN VIEW STA. 1+00 TO 5+00
188	73RD STREET PROFILE VIEW STA. 1+00 TO STA. 5+00
PLAN & PROFILES (N-S): 74TH STREET	
189	74TH STREET PLAN & PROFILE STA. 1+00 TO 5+00
190	74TH STREET PLAN & PROFILE STA. 5+00 TO 10+00
PLAN & PROFILES (N-S): 75TH STREET	
191	75TH STREET PLAN STA 5+00 TO 10+00
192	75TH STREET PROFILE STA. 5+00 TO STA. 10+00 (2)
193	75TH STREET PLAN & PROFILE STA. 10+00 TO STA. 15+00
194	75TH STREET PLAN & PROFILE STA. 15+00 TO STA. 19+00
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197	CROSS SECTIONS (SHEET 3 OF 3)

NO.	DATE	REVISION	APP.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET INDEX

(SHEET 1 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
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FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-INDEX.dwg

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210	PVMT & ADA RAMP & SDWK – HARRISBURG – STA. 47+50 – STA. 71+50
211	PVMT & ADA RAMP & SDWK – AVE B – STA. 0+00 – STA. 39+00
212	PVMT & ADA RAMP & SDWK – AVE B – STA. 39+00 – STA. 61+00
213	PVMT & ADA RAMP & SDWK – AVENUE C. W. STA. 1+00 TO STA. 41+00
214	PVMT & ADA RAMP & SDWK – AVENUE C. E. STA. 0+00 TO STA 9+50
215	PVMT & ADA RAMP & SDWK – AVENUE C. SE. STA. 0+00 TO STA. 15+75
216	PVMT & ADA RAMP & SDWK – SHERMAN – W. – STA. 1+00 TO STA. 40+50
217	PVMT & ADA RAMP & SDWK – SHERMAN – W. – STA. 40+50 TO STA. 44+50
218	PVMT & ADA RAMP & SDWK – SHERMAN – STA. 1+00 TO STA. 29+75
219	PVMT & ADA RAMP & SDWK – AVE E – WEST. – STA. 1+50 – STA, 42+00
220	PVMT & ADA RAMP & SDWK – AVE E – STA. 0+00 – STA. 9+75
221	PVMT & ADA RAMP & SDWK – BRADY ST– STA. 4+50 – STA. 7+75
222	PVMT & ADA RAMP & SDWK – AVE F – STA. 2+50 – STA. 42+50
223	PVMT & ADA RAMP & SDWK – AVE F – STA. 1+00 – STA. 29+75
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NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET INDEX

(SHEET 2 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 3 OF 318	

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GENERAL CONSTRUCTION NOTES

1. CONSTRUCT WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING IN ACCORDANCE WITH THE LATEST EDITION OF THE PUBLICATIONS STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING, AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING PUBLISHED BY HOUSTON PUBLIC WORKS.
2. THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT WAS CONDUCTED IN ACCORDANCE WITH CHAPTER 11 OF THE LATEST EDITION OF THE PUBLICATION INFRASTRUCTURE DESIGN MANUAL PUBLISHED BY HOUSTON PUBLIC WORKS. SOILS REPORT WAS PREPARED BY AVILES ENGINEERING CORPORATION REPORT NO. [NO. OF REPORT], DATED [DATE OF REPORT].
3. UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT 713-223-4567/811 OR 800-344-8377 AND LONE STAR NOTIFICATION CENTER AT 800-669-8344 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION. UTILITIES MARKED WITHIN THE PUBLIC RIGHT OF WAY OR IN EASEMENTS SHALL COMPLY WITH TAC TITLE 16, PART 1, CHAPTER 18, RULE §18.6 AND THE AMERICAN PUBLIC WORKS ADMINISTRATION (APWA) UNIFORM COLOR CODE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER LINES AND TRAFFIC CONTROL DEVICES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE HOUSTON PUBLIC WORKS, STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEM, WATER LINES, STORM DRAINAGE, AND STREET PAVING AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING, REFERENCED ABOVE, AT NO ADDITIONAL COST.
5. CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER, HOUSTON PUBLIC WORKS @ 832-394-9098 OR VIA FAX AT 832-395-4424 FOR INSPECTION AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
6. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
7. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
8. CONTRACTOR SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
9. CONTRACTOR SHALL MAINTAIN A SET OF REDLINE DRAWINGS AND RECORD AS-BUILT CONDITIONS DURING CONSTRUCTION. THESE REDLINE MARKED UP DRAWINGS WILL BE SUBMITTED TO THE DESIGN CONSULTANT WHO WILL MAKE THE CHANGES ON THE ORIGINAL TRACINGS, LABEL EACH SHEET IN THE SET AS "RECORD DRAWINGS", AND RETURN IT TO THE OFFICE OF THE CITY ENGINEER.
10. STANDARD SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATERLINES, STORM DRAINAGE, AND STREET PAVING, AND TRAFFIC ARE INCORPORATED BY REFERENCE AS IF COPIED VERBATIM. SPECIFICATIONS ARE AVAILABLE FOR DOWNLOAD AT THE FOLLOWING WEB ADDRESS:

    http://www.houstonpermittingcenter.org/office-city-engineer/design-and-construction-standards
11. CITY OF HOUSTON STANDARD DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATERLINES, STORM DRAINAGE, AND STREET PAVING ARE INCORPORATED IN PLANS BY REFERENCE AS IF COPIED VERBATIM. STANDARD DETAILS ARE AVAILABLE FOR DOWNLOAD AT THE FOLLOWING WEB ADDRESS:

    http://www.houstonpermittingcenter.org/office-city-engineer/design-and-construction-standards

    DETAILS INCLUDED IN PLAN SET SUPERSEDE RELATED COH STANDARD DETAILS.
12. THE WATER LINE REHABILITATION PROJECT AREA IS WITHIN A POTENTIALLY PETROLEUM CONTAMINATED AREA (PPCA). ALL WATER LINE PIPE MATERIAL SHALL BE DUCTILE-IRON PIPE (DIP) OR STEEL PIPE MATERIAL, RESTRAINED JOINTS FOR DIP OR WELDED JOINTS FOR STEEL PIPE, WITH VITRON (FKM) TYPE GASKETS OR AS RECOMMENDED BY THE PIPE MANUFACTURER PER SPEC 02105 CHEMICAL SAMPLING AND ANALYSIS.
13. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SANITARY SEWER CLEANOUTS AND ELEVATIONS WITHIN THE PROJECT AREA PRIOR TO ANY TRENCHLESS OR OPEN-CUT INSTALLATION OF THE PROPOSED WATER LINES. CONTRACTOR SHALL GO BACK AND FIELD VERIFY THE CONDITION OF THE EXISTING SANITARY SEWER CLEANOUTS AND LEADS TO THE EXISTING GRAVITY SANITARY SEWER MAINS WITHIN EACH BLOCK AFTER THE PROPOSED WATER LINE HAS BEEN INSTALLED. CONTRACTOR SHALL IDENTIFY EXISTING SANITARY SEWER CLEANOUTS AND LEADS THAT HAVE BEEN DAMAGED, AND TO REPAIR TO THE LATEST CITY'S STANDARD SPECIFICATIONS, BUILDING, AND PLUMBING CODE. SANITARY SEWER CLEANOUTS AND LEADS THAT HAVE BEEN DAMAGED AND REPAIRED ARE TO BE INSPECTED, TESTED, AND APPROVED BEFORE CONTRACTOR COMPLETES THE INSTALLATION OF THE WATER LINE ON THE NEXT SUBSEQUENT BLOCK.
14. EXISTING WATER LINES IDENTIFIED TO BE ABANDONED ARE TO BE ABANDONED IN-PLACE WITHOUT PRESSURE GROUT UNLESS SPECIFICALLY CALLED OUT IN THE PLANS.
15. CONTRACTOR SHALL CUT, PLUG, AND ABANDON EXISTING WATER LINES AFTER WATER HAS BEEN TRANSFERRED OVER FROM THE EXISTING WATER LINES TO THE INSTALLED WATER LINES, SERVICE CONNECTIONS TO THE EXISTING WATER METERS HAVE BEEN RECONNECTED, AND WATER SERVICES TO THE EXISTING PROPERTIES ARE IN OPERATION.

SWPPP CONSTRUCTION NOTES

1. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM.
2. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS SO THAT EXCAVATION MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEPT BACK INTO THE EXCAVATED AREA.
3. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FORM THE EXCAVATED AREA.
4. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
5. CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
    - DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
    - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
    - STRUCTURAL CONTROL MEASURES.
    - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
6. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SODDING IS DISTURBED BY EXCAVATION ON BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SODDING.

TRAFFIC CONTROL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) LATEST EDITION WITH REVISIONS DURING THE ENTIRE CONSTRUCTION PERIOD.
2. NO WORK SHALL BE PERFORMED IN RESIDENTIAL AREAS FROM 7:00 PM TO 7:00 AM.
3. CONTRACTOR SHALL MAINTAIN APPROVED NUMBER OF LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION WORKING HOURS. TRAFFIC CONTROL PLANS SHALL INCLUDE ONE-WAY AND/OR DETOUR PLANS. CONTRACTOR SHALL MAINTAIN ADA COMPLIANT PEDESTRIAN ACCESS TO BUS STOPS AND ADEQUATE BUS ACCESS TO THE BUS STOP.
4. CONTRACTOR SHALL COVER OPEN PAVEMENT EXCAVATIONS FOR MINOR UTILITY WORK WITH ANCHORED STEEL PLATES DURING NON-WORKING HOURS, OPEN LANES FOR NORMAL TRAFFIC FLOW WHEN FEASIBILE.
5. CONTRACTOR SHALL SECURE ROADWAY/SIDEWALK/STREET/BICYCLE FACILITY PERMITS AS DESCRIBED IN CITY OF HOUSTON ORDINANCE, CHAPTER 40 – STREETS & SIDEWALKS, SECTION 40-361 FROM HOUSTON PERMITTING CENTER (MOBILITY PERMIT SECTION AT HTTPS://GEOHUB.HOUSTONTX.GOV) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN BUSINESS DAY PRIOR TO THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND/OR BEGINNING CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, CONSTRUCTION SEQUENCING, AND CONSTRUCTION SCHEDULE WITH THE APPLICATION.
6. CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JON SITE FOR INSPECTION AT ALL TIMES.
7. ACCESS TO DRIVEWAYS ADJACENT TO THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED AT ALL TIMES AS MUCH AS POSSIBLE. ADDITIONAL CONES AND/OR DELINEATORS MAY BE REQUIRED TO DELINEATE THE DRIVEWAY ACCESS ROUTE THROUGH THE CONSTRUCTION WORK ZONE. A MINIMUM OF ONE TRAVEL LANE SHALL BE MAINTAINED ACROSS THE DRIVEWAY, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE CITY OF HOUSTON.
8. ADDITIONAL OFF DUTY POLICE OFFICERS/FLAGGERS MAY BE REQUESTED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED AT THE DIRECTION OF THE CITY EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED ON THE PROJECT PLANS.

STREET AND BRIDGE NOTES

1. FILL AREAS ON PLANS SHALL BE FILLED IN LAYERS NOT EXCEEDING 8" IN DEPTH AND EACH COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY PRIOR TO INSTALLATION OF WATER LINE AND FILL AREA SHALL BE SEEDED AND FERTILIZED WITHIN 10 WORKING DAYS.
2. UTILITY CONTRACTOR SHALL PROVIDE TEMPORARY SILT BARRIER FENCE ON ALL NON-CURBED INLETS WHICH WILL REMAIN IN PLACE AFTER UNDERGROUND CONTRACT IS COMPLETE.
3. CONTRACTOR SHALL PROVIDE SILT BARRIER FENCE ON ALL STAGE 1 CURB INLETS.
4. EXISTING PAVEMENTS, CURBS, DRIVEWAYS, AND SIDEWALKS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO CITY OF HOUSTON STANDARDS, WITH LATEST ADDENDA AND AMENDMENTS THERETO.
5. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY UPON COMPLETION OF JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.
6. EXPOSED 15" OF REINFORCING STEEL AT PROPOSED SAWED JOINT IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE #6 BARS 24" LONG 24" C-C DRILLED AND EMBEDDED 8" INTO THE CENTER OF THE EXISTING SLAB WITH "PO ROC" OR EQUAL.
7. WHEELCHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF HOUSTON STANDARDS AT ALL INTERSECTIONS WHERE SIDEWALKS EXIST AND THE EXISTING CURB OR SIDEWALK IS DAMAGED OR REMOVED DURING CONSTRUCTION.
8. PRIOR TO STREET CONSTRUCTION, THE CONTRACTOR SHALL CONTACT HOUSTON PUBLIC WORKS AT (PHONE) 832-394-9578 AND COMPLY WITH ALL REQUIREMENTS FOR THE ISSUANCE OF NECESSARY PERMITS/WORK ORDERS FOR STREET CONSTRUCTION.
9. DOUBLE REFLECTORIZED BLUE TRAFFIC MARKERS SHALL BE PLACED 6-INCHES OFFSET OF THE CENTERLINE OF ALL FIRE HYDRANT LOCATIONS BY THE PAVING CONTRACTOR. HYDRANTS LOCATED AT INTERSECTIONS SHALL HAVE A BUTTON PLACED ON EACH STREET.

WATER NOTES

1. WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST CITY OF HOUSTON INFRASTRUCTURE DESIGN MANUAL, STANDARD SPECIFICATION, AND CONSTRUCTION DETAILS.
2. ALL 4" THROUGH 12" WATER LINE TO BE AWWA C-900 PVC DR-18 BLUE PRESSURE RATED WATER MAIN WITH 2" AND SMALLER WATER SERVICE LINE TO BE CONTINUOUS TYPE K COPPER TUBING PER COH STANDARD SPECIFICATION SECTION 02503. ALL 4" THRU 54" DI PIPE WATER LINES SHALL BE AWWA C151 WITH INSIDE LINING WITH AWWA C104 AND DOUBLE WRAPPED WITH 8-MIL POLYETHYLENE SHEETS.
3. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AS NECESSARY TO PREVENT PIPE MOVEMENT. USE RESTRAINED JOINTS WHERE PREVENTING MOVEMENT OF 16" OR GREATER PIPE IS NECESSARY DUE TO THRUST.
4. ALL WATER LINES UNDER PROPOSED OR FUTURE PAVING AND TO A POINT OF ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE ENCASED IN BANK SAND TO 12" OVER PIPE AND BACKFILLED WITH CEMENT STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE.
5. ALL WATER LINE AND SEWER LINE CROSSINGS SHALL BE CONSTRUCTED PER CITY OF HOUSTON AND TCEQ REGULATIONS.
6. ALL WATER VALVES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C-500 AND SHALL BE OF THE RESILIENT SEAT TYPE.
7. ALL WATER LINES TO BE DISINFECTED IN CONFORMANCE WITH AWWA C-651 AND THE TEXAS STATE DEPARTMENT OF HEALTH. AT LEAST ONE BACTERIOLOGICAL SAMPLE SHALL BE COLLECTED FOR EVERY 1,000 LINEAR FEET OF WATER LINE AND SHALL BE REPEATED IF CONTAMINATION PERSISTS.
8. ALL BELOW GRADE VALVES SHALL BE GASKETED, HUB-END GATE VALVES WITH A CAST IRON BOX, EXCEPT WHERE FLANGES ARE CALLED OUT ON THE PLANS.
9. 4" THRU 12" FIT TINGS SHALL BE CEMENT MORTAR LINED COMPACT DUCTILE IRON PRESSURE FITTINGS PER ANSI A21.53, OR PUSH ON FITTINGS PER ANSI A21.10 PRESSURE RATED AT 250 PSIG.
10. HYDROSTATIC TESTING: ALL WATER PIPE SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LATEST CITY OF HOUSTON STANDARD CONSTRUCTION SPECIFICATIONS. TESTS ARE TO BE PERFORMED ON THE ENTIRE FOOTAGE OF WATER PIPE LINE INCLUDED IN THE PROJECT.
11. ALL WATER LINES TO HAVE 3' MINIMUM COVER TO FINISHED GRADE AND MINIMUM 12" CLEARANCE TO OTHER UTILITIES AT CROSSING UNLESS OTHERWISE NOTED ON PLANS. ALL WATER LINE INSTALLED OVER 8' DEEP SHALL UTILIZE RESTRAINED JOINT FITTINGS.
12. CONTRACTOR SHALL KEEP WATER PIPE CLEAN AND CAPPED (OR OTHERWISE EFFECTIVELY COVERED) OPEN PIPE ENDS TO EXCLUDE INSECTS, ANIMALS OR OTHER SOURCES OF CONTAMINATION FROM UNFINISHED PIPE LINES AT TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.

SANITARY SEWER NOTES

1. ALL SANITARY SEWERS CROSSING WATER LINES WITH A CLEARANCE BETWEEN 12 INCHES AND 9 FEET SHALL HAVE A MINIMUM OF ONE 18' JOINT OF 150 PSI DUCTILE IRON OR (GREEN) C900 PVC PIPE MEETING ASTM SPECIFICATION D2241 CENTERED ON WATER LINE. WHEN WATER LINE IS BELOW SANITARY SEWER, PROVIDE MINIMUM 2 FOOT SEPARATION.
2. CONTRACTOR SHALL PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 9' FEET BETWEEN WATER LINES AND SANITARY SEWER MANHOLES AND LINES.

GRADING NOTES

1. GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
2. BEFORE STARTING CONSTRUCTION, CONTRACTOR SHALL VERIFY BENCHMARK ELEVATION AND NOTIFY ENGINEER IF ANY DISCREPANCY AND/OR CONFLICT IS FOUND.
3. CONTRACTOR SHALL ENSURE THERE IS POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN PAVED AREAS, AND SHALL NOTIFY ENGINEER IF ANY GRADING DISCREPANCIES ARE FOUND IN THE EXISTING AND PROPOSED GRADES PRIOR TO PLACEMENT OF PAVEMENT OR UTILITIES.
4. CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES THAT ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
5. ALL EXISTING CONCRETE PAVING, SIDEWALK, AND CURB DEMOLITION SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR. DISPOSAL SHALL BE AT AN APPROVED OFF-SITE, LAWFUL LOCATION, UNLESS DIRECTED OTHERWISE BY THE OWNER.

GENERAL NOTES – METRO

1. CONTRACTOR SHALL NOTIFY METRO AT 713-615-6195 TWO WEEKS PRIOR TO DISTURBING EXISTING BUS STOPS.
2. CONTRACTOR SHALL COORDINATE WITH METRO TO REMOVE EXISTING AMENITIES.
3. BUS STOPS SHALL BE CONSTRUCTED PER CITY OF HOUSTON INFRASTRUCTURE DESIGN MANUAL AND MEET CURRENT ADA REQUIREMENTS.

TxDOT NOTES

NOTIFY TXDOT (USING UIR) 48 HOURS PRIOR TO CONSTRUCTION.

INSTALLATION OWNER:
OFFICE NAME:
APPLICANT NAME:
PHONE:
EMAIL:
MAINTENANCE SECTION:
CONTROL SECTION:

INSTALLATION OWNER:
OFFICE NAME: TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT)
PERMIT NUMBER:
TXDOT CONTACT NAME:
EMAIL:

NO.	DATE	REVISION	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

GENERAL CONSTRUCTION NOTES (SHEET 1 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 4 OF 318	

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AT&T TEXAS/SWBT FACILITIES

1. THE LOCATIONS OF AT&T TEXAS/SWBT FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.

2. THE CONTRACTOR SHALL CALL 1-800-344-8377 (TEXAS 811) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.

3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWBT FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWBT FACILITIES.

4. WHEN AT&T TEXAS/SWBT FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.

5. THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.

6. PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER KEVIN RAY AT (713) 614-1983 OR E-MAIL HIM AT KR7896@ATT.COM IF CABLE LOCATE REQUEST(S) ARE NOT COMPLETED FOR OUR AT&T TEXAS/SWBT FACILITIES.

DIRECT BURIED CABLE PROCEDURE

TO DETERMINE THE LOCATION OF AT&T DIRECT BURIED CABLE PLANT DURING THE DESIGN PHASE OF YOUR PROJECT, FOLLOW THE PROCEDURE OUTLINED BELOW:

1. CALL 1-800-344-8377 (TEXAS 811) AND ADVISE YOU NEED THE EXISTING AT&T TEXAS/SWBT FACILITIES LOCATED FOR THE DESIGN PHASE OF YOUR PROJECT. PLEASE ALLOW AT LEAST 72 HOURS FOR THE CABLES TO GET MARKED BEFORE SENDING YOUR FIELD CREW FOR BASE LINE SURVEY FOR LOCATES OF. BE SPECIFIC ON THE PROJECT LOCATION. THE UTILITY LOCATOR WILL FIELD LOCATE THE EXISTING AT&T TEXAS/SWBT FACILITIES WITH ORANGE PAINT AND/OR FLAGS.

2. YOUR FIELD PARTY CAN SURVEY THE BURIED CABLE LOCATION USING THE ORANGE MARKS ON THE GROUND. IF CABLES ARE NOT MARKED, PLEASE CONTACT THE AT&T DAMAGE PREVENTION MANAGER KEVIN RAY (713) 614-1983 OR E-MAIL AT KR7896@ATT.COM.

3. DEPICT THE EXACT LOCATION OF THE AT&T TEXAS/SWBT DIRECT BURIED CABLE FACILITIES ON THE PLAN AND PROFILE SHEETS.

AT&T CORPORATION FACILITIES:

PLEASE CONTACT MACK WILBURN (281) 684-3043 OR E-MAIL MACK.J.WILBURN@ATT.COM FOR INFORMATION CONCERNING AT&T CORP. FACILITIES. THIS INCLUDES AT&T LD AND AT&T LNS (METRO OR TCG) FACILITIES IN THE HOUSTON AREA. AT&T/T/TCG IS HOW SOME FLAGS ARE MARKED. THERE IS A SUBSTANTIAL FIBER FOOTPRINT, BOTH AERIAL AND BURIED.

NOTE: AT&T/SWBT DOES NOT MAINTAIN OR HAVE ACCESS TO AT&T CORPORATION CABLE RECORDS.

THIS REQUEST ONLY APPLIES TO THE RECORDS OF THE LOCAL TELEPHONESERVICE PROVIDER, SOUTHWESTERN BELL TELEPHONE COMPANY, WHICH DOES BUSINESS LOCALLY AS AT&T TEXAS. SOUTHWESTERN BELL'S AFFILIATE, AT&T CORP., SOMETIMES REFERRED TO AT&T LD AND AT&T LNS (METRO OR TCG), AND THE RECORDS OF AT&T CORP. ARE NOT INCLUDED WITHIN THESE PROCEDURES. TO OBTAIN THOSE RECORDS, FOLLOW THE CLECs PROCEDURE UNDER "DISCLAIMERS".

CENTERPOINT ENERGY UTILITY NOTES

CAUTION: UNDERGROUND GAS FACILITIES

THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 207-5463 OR (713) 945-8037 (7:00 A.M. TO 4:30 P.M.) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
- FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-2111 OR (713) 207-4200.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

WARNING: OVERHEAD ELECTRICAL FACILITIES

OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

- ANY ACTIVITY WHERE PERSON OR THINGS MAY COME WITHIN SIX(6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND
- OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT (713) 207-2222.

ACTIVITIES ON/OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY

NO APPROVAL TO USE, CROSS OR OCCUPY CENTERPOINT FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OUR SURVEYING & RIGHT OF WAY DIVISION AT (713) 207-6348 OR (713) 207-5769.

WARNING: UNDERGROUND ELECTRICAL UTILITIES

THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- ALL INFORMATION CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTORS ARE RESPONSIBLE MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPELINES, CONDUITS, AND STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES OR BY EXCAVATING IN ADVANCE OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES WHEN AND WHERE THEY FALL IN THE PATH OF CONSTRUCTION.
- THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONTACTING THE UTILITY COORDINATING COMMITTEE AT (713) 223-4567 AND TEXAS ONE CALL AT 1-800-245-4545, FORTY-EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION.
- THE LOCATION OF ANY CENTERPOINT ENERGY UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. THEY AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
- ALL PROPOSED FACILITIES SHALL MAINTAIN 12"CLEAR FROM ALL EXISTING UTILITIES.

UNION PACIFIC RAILROAD (UPRR) NOTES

1. PIPELINES AND CASING PIPE SHALL BE SUITABLY INSULATED FROM UNDERGROUND CONDUITS CARRYING ELECTRIC WIRES ON RAILROAD RIGHTS-OF-WAY. PIPELINE MUST BE ABLE TO BE ELECTRONICALLY LOCATED.
2. CASING PIPE SHALL BE SO CONSTRUCTED AS TO PREVENT LEAKAGE OF ANY SUBSTANCE FROM THE CASING THROUGHOUT ITS LENGTH EXCEPT AT ENDS. CASING SHALL BE SO INSTALLED AS TO PREVENT THE FORMATION OF A WATERWAY UNDER THE RAILROAD, WITH AN EVEN BEARING THROUGHOUT ITS LENGTH, AND SHALL SLOPE TO ONE END (EXCEPT FOR LONGITUDINAL OCCUPANCY).
3. WHERE CASING AND/OR CARRIER PIPE IS CATHODICALLY PROTECTED, THE ENGINEER SHALL BE NOTIFIED AND SUITABLE TEST MADE TO ENSURE THAT OTHER RAILROAD STRUCTURES AND FACILITIES ARE ADEQUATELY PROTECTED FROM THE CATHODIC CURRENT IN ACCORDANCE WITH THE RECOMMENDATIONS OF CURRENT REPORTS OF CORRELATING COMMITTEE ON CATHODIC PROTECTION, PUBLISHED BY THE NATIONAL ASSOCIATION OF CORROSION ENGINEERS
4. THE EXECUTION OF THE WORK ON RAILROAD RIGHTS-OF-WAY, INCLUDING THE SUPPORTING OF TRACKS, SHALL BE SUBJECT TO THE INSPECTION AND DIRECTION OF THE ENGINEER.
5. BORED OR JACKED INSTALLATIONS SHALL HAVE A BORED HOLE DIAMETER ESSENTIALLY THE SAME AS THE OUTSIDE DIAMETER OF THE PIPE PLUS THE THICKNESS OF THE PROTECTIVE COATING. IF VOIDS SHOULD DEVELOP OR IF THE BORED HOLE DIAMETER IS GREATER THAN THE OUTSIDE DIAMETER OF THE PIPE (INCLUDING COATING) BY MORE THAN APPROXIMATELY 1 INCH (25.40 MILIMETERS), REMEDIAL MEASURES AS APPROVED BY THE ENGINEER SHALL BE TAKEN. BORING OPERATIONS SHALL NOT BE STOPPED IF SUCH STOPPAGE WOULD BE DETRIMENTAL TO THE RAILROAD.
6. TUNNELING OPERATIONS SHALL BE CONDUCTED AS APPROVED BY THE ENGINEER. IF VOIDS ARE CAUSED BY THE TUNNELING OPERATIONS, THEY SHALL BE FILLED BY PRESSURE GROUTING OR BY OTHER APPROVED METHODS WHICH WILL PROVIDE PROPER SUPPORT.

RAILROAD COORDINATION

1. UNION PACIFIC RAILROAD COMPANY (UPRR):
   - CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UPRR AT 877-315-0513 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT-OF-WAY.
   - CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE UNION PACIFIC RAILROAD AGREEMENT AS ATTACHED IN SECTION 01110 – SUMMARY OF WORK.
2. CONTRACTOR SHALL FOLLOW ALL UNION PACIFIC RULES AND REGULATIONS FOR WORK WITHIN UPRR RIGHT-OF-WAY.
3. BEFORE WORK CAN BEGIN IN RAILROAD RIGHT-OF-WAY, ALL NECESSARY DOCUMENTS BETWEEN UPRR AND THE CONTRACTOR MUST BE FULLY EXECUTED, INCLUDING BUT NOT LIMITED TO THE CONTRACTOR'S RIGHT OF ENTRY AGREEMENT AND CERTIFICATE FOR RAILROAD PROTECTIVE LIABILITY INSURANCE (RPU). CALL 877-315-0513 PRIOR TO ANY EXCAVATION WORK.
4. CONTRACTOR TO FOLLOW ALL UPRR SHORING REQUIREMENTS INCLUDING OBTAINING AN APPROVED TEMPORARY SHORING SYSTEM PLAN IF REQUIRED PER UNION PACIFIC GENERAL SHORING REQUIREMENTS AND GUIDELINES FOR TEMPORARY SHORING.
5. SCOPE OF WORK INCLUDES EXCAVATION THAT ENCROACHES ZONES A & B PER THE GENERAL SHORING REQUIREMENTS OF THE UPRR PIPELINE CROSSING AGREEMENT. THEREFORE, SHORING PLANS ARE REQUIRED TO BE ACCOMPANIED BY DESIGN CALCULATIONS THAT ARE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
6. ANY COSTS ASSOCIATED WITH THESE REQUIREMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

RAILROAD PIPELINE OR CULVERT ACCOMODATION NOTES

1. THE PROPOSED PROJECT SHALL NOT INCREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD'S DITCHES AND/OR DRAINAGE STRUCTURES. THIS INCLUDES TEMPORARY CONSTRUCTION CONDITIONS WHICH MAY OBSTRUCT OR RE-ROUTE SURFACE DRAINAGE WITH UPRR RIGHT-OF-WAY.
2. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
3. REGARDLESS OF UNDERLYING LAND OWNERSHIP, ALL SHORING SYSTEMS THAT IMPACT THE RAILROAD'S OPERATIONS AND/OR SUPPORTS THE RAILROAD'S EMBANKMENT SHALL BE DESIGNED AND CONSTRUCTED PER CURRENT UPRR-BNSF GUIDELINES FOR TEMPORARY SHORING. THE METHOD OF SHORING PERMISSIBLE IS DEPENDENT UPON THE AVAILABILITY OF TRACK WINDOWS, IF ANY.
4. THE CONTRACTOR SHALL SUBMIT AND PROVIDE SUFFICIENT SAFETY MEASURES WHICH PROTECT UNATTENDED EXCAVATIONS TO THE RAILROAD FOR APPROVAL.
5. ALL DEMOLITIONS WITHIN THE RAILROAD'S RIGHT-OF-WAY AND/OR DEMOLITION THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE RAILROAD'S DEMOLITION GUIDELINES. DEMOLITION ACTIVITIES SHALL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S OPERATION, ENABLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REQUIREMENTS. THE METHOD OF DEMOLITION PERMISSIBLE IS DEPENDENT UPON THE AVAILABILITY OF TRACK WINDOWS, IF ANY.
6. RAILROAD REQUIREMENTS DO NOT ALLOW WORK WITHIN 50 FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITE AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.
7. THE CONTRACTOR SHALL ADHERE TO THE FOLLOWING CULVERT AND PIPELINE CONSTRUCTION REQUIREMENTS WHILE WITHIN THE RAILROAD'S RIGHT-OF-WAY.
   a. THE BORING OPERATION SHALL BE PROGRESSED ON A CONTINUOUS (24/7) BASIS WITHOUT STOPPAGE UNTIL THE LEADING EDGE OF THE PIPE HAS COMPLETELY PASSED UNDER ALL TRACK AND THROUGH ZONE A ON EACH SIDE. (SEE SHEET 7 FOR DETAILS)
   b. THE FRONT OF THE PIPE SHALL BE PROVIDED WITH MECHANICAL ARRANGEMENTS OR DEVICES THAT WILL POSITIVELY PREVENT THE AUGER FROM LEADING THE PIPE SO THAT NO UNSUPPORTED EXCAVATION IS AHEAD OF THE PIPE WHILE WITHIN ZONE A AND UNDER THE TRACKS.
   c. THE AUGER AND CUTTING HEAD ARRANGEMENT SHALL BE REMOVABLE FROM THE WITHIN THE PIPE IN THE EVENT AN OBSTRUCTION IS ENCOUNTERED AND NEEDS TO BE REMOVED.
   d. THE OVER-CUT BY THE CUTTING HEAD SHALL NOT EXCEED THE OUTSIDE DIAMETER OF THE PIPE (PLUS COATING) BY THAT APPROXIMATELY 1/2 INCH, GROUTING OR OTHER METHODS APPROVED BY THE RAILROAD, SHALL BE EMPLOYED TO FILL SUCH VOIDS.
   e. THE FACE OF THE CUTTING EDGE SHALL BE ARRANGED TO RESTRICT AN OTHERWISE FREE FLOW MATERIAL LEADING TO OVER-EXCAVATING MATERIAL AHEAD/ABOVE THE PIPE.
   f. WORK PLANS AND DESCRIPTION OF THE EQUIPMENT TO BE USED SHALL BE SUBMITTED TO THE RAILROAD FOR APPROVAL AND NO WORK SHALL PROCEED UNTIL SUCH APPROVAL IS OBTAINED.
   g. WORK PLANS SHALL DETAIL ALL CONTINGENCY MEASURES REQUIRED TO ELIMINATE DISRUPTIONS TO RAILROAD OPERATIONS.
8. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR MUST SUBMIT A TRACK AND GROUND MONITORING PLAN FOR RAILROAD REVIEW WHICH COMPLIES WITH THE CURRENT UPRR GUIDELINES FOR TRACK AND GROUND MONITORING. THIS PLAN SHALL DETAIL THE SITE-SPECIFIC MONITORING POINTS, FREQUENCY OF MONITORING, AND THE CONTRACTOR'S CONTINGENCY MEASURES IF SETTLEMENT OCCURS WITH UPRR RIGHT-OF-WAY.
   a. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION AND AT PROJECT CLOSING.
   b. AS DEEMED NECESSARY BY THE RAILROAD, CONTINUOUS MONITORING MAY BE REQUIRED AS WELL AS MONITORING FOR 14 DAYS AFTER THE INSTALLATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH MONITORING AND RESTORING THE TRACK PROFILE AS NECESSARY.
   c. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD.
10. THE CONTRACTOR MUST SUBMIT THEIR UTILITY ABANDONMENT PLAN WHICH COMPLIES WITH THE CURRENT UPRR GUIDELINES FOR ABANDONMENT OF SUBSURFACE UTILITY STRUCTURES TO THE RAILROAD FOR REVIEW.
11. EMAIL BEFORE YOU DIG. PRIOR TO EXCAVATION, DISRUPTING, OR WORKING ON THE RAILROAD PROPERTY THE CONTRACTOR SHALL LOCATE AND PROTECT UPRR FACILITIES SENDING REQUESTS TO THE UPRR "CALL BEFORE YOU DIG"(CBUD) EMAIL. GUIDANCE CAN BE FOUND AT THE FOLLOWING WEB ADDRESS: WWW.UP.COM/CBUD.
12. CONSTRUCTION ACTIVITIES ARE NOT ALLOWED WITHIN THE "MINIMUM CONSTRUCTION CLEARANCE ENVELOPE" AS THEY WOULD OTHERWISE DISRUPT RAILROAD OPERATIONS. (SEE SHEET 7 FOR DETAIL)

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

GENERAL CONSTRUCTION NOTES (SHEET 2 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 5 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-NOTES.dwg

PLOTTED: 12/12/2025 1:46 PM

FILE PATH: J:\COHoustonPWE\200000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-LEGEND.dwg

EXISTING PLAN VIEW

- WATER METER
- WATER VALVE (GATE)
- WATER VALVE (BUTTERFLY)
- FIRE HYDRANT/FLUSHING VALVE
- TAPPING SLEEVE & VALVE
- REDUCER
- ROUND CONNECTION
- SANITARY SEWER CLEANOUT & MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLETS
- CULVERT PIPE AND HEADWALL
- TOP OF CURB ELEVATION
- GUTTER ELEVATION
- TOP OF PAVEMENT ELEVATION
- CONTOUR LINE
- ROW LINE
- PROPERTY LINE
- LOT LINES
- EASEMENT LINE
- CENTER LINE OF ROW
- TRANSIT LINE
- EDGE OF DITCHES
- CENTER LINE OF DITCHES
- EDGE OF DITCHES
- FENCE LINE, WOOD
- FENCE LINE, CHAIN LINK
- FENCE LINE, BARBED WIRE
- FENCE LINE, HOG WIRE
- EDGE OF CONCRETE
- CURB LINE
- CONCRETE WALK
- EDGE OF ASPHALT
- EDGE OF SHELL OR GRAVEL
- DIMENSION LINE
- AERIAL POWER LINE
- UNDERGROUND POWER LINE
- GAS LINE
- UNKNOWN UNDERGROUND LINE
- OIL PIPELINE
- UNDERGROUND TELECOMM LINE W/VAULT
- AERIAL TELECOMM LINE
- RAILROAD LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- SANITARY SEWER FORCE MAIN
- RECLAIMED WATER LINE
- NON-POTABLE WATER LINE
- GAS METER
- GAS VALVE
- PROPANE LINE
- STEAM LINE
- MISC UNDERGROUND PIPELINE LABLE

PROPOSED PLAN VIEW

- WATER METER
- WATER VALVE (GATE)
- WATER VALVE (BUTTERFLY)
- FIRE HYDRANT/FLUSHING VALVE
- TAPPING SLEEVE & VALVE
- REDUCER
- ROUND CONNECTION
- SANITARY SEWER CLEANOUT & MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLETS
- CULVERT PIPE AND HEADWALL
- TOP OF CURB ELEVATION
- GUTTER ELEVATION
- TOP OF PAVEMENT ELEVATION
- CONTOUR LINE
- ROW LINE
- PROPERTY LINE
- LOT LINES
- EASEMENT LINE
- CENTER LINE OF ROW
- TRANSIT LINE
- EDGE OF DITCHES
- CENTER LINE OF DITCHES
- EDGE OF DITCHES
- FENCE LINE, WOOD
- FENCE LINE, CHAIN LINK
- FENCE LINE, BARBED WIRE
- FENCE LINE, HOG WIRE
- EDGE OF CONCRETE
- CURB LINE
- CONCRETE WALK
- EDGE OF ASPHALT
- EDGE OF SHELL OR GRAVEL
- DIMENSION LINE
- AERIAL POWER LINE
- UNDERGROUND POWER LINE
- GAS LINE
- UNKNOWN UNDERGROUND LINE
- OIL PIPELINE
- UNDERGROUND TELCOMM LINE W/ VAULT
- AERIAL TELECOMM LINE
- RAILROAD LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- SANITARY SEWER FORCE MAIN
- RECLAIMED WATER LINE
- NON-POTABLE WATER LINE
- GAS METER
- GAS VALVE
- PROPANE LINE
- STEAM LINE
- MISC UNDERGROUND PIPELINE LABLE
- MATCH LINE

EXISTING PLAN VIEW

- PAVING HEADER
- BUILDING, RESIDENTIAL
- BUILDING, COMMERCIAL
- TREE
- HEDGE
- IRON PIPE OR IRON ROD MONUMENT
- POINT OF INTERSECTION (PI)
- POINT OF CURVE (PC)
- POINT OF TANGENCY (PT)
- POWER POLE
- POWER POLE W/DOWN GUY

EXISTING PROFILE VIEW

- NORTH OR EAST PROPERTY LINE
- SOUTH OR WEST PROPERTY LINE
- NORTH OR EAST CURB
- SOUTH OR WEST CURB
- NORTH OR EAST DITCH
- SOUTH OR WEST DITCH
- NORTH OR EAST NATURAL GROUND
- SOUTH OR WEST NATURAL GROUND
- NORTH OR EAST CULVERT
- SOUTH OR WEST CULVERT
- CENTERLINE OF ROW
- CENTERPOINT ENERGY CONDUIT
- GAS LINE
- WESTERN UNION
- AT&T CONDUIT
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- SANITARY SEWER FORCE MAIN
- RECLAIMED WATER LINE
- NON-POTABLE WATER LINE
- CENTERPOINT ENERGY MANHOLE
- AT&T MANHOLE
- WATER LINE MANHOLE
- SANITARY SEWER MANHOLE & CLEANOUT
- STORM SEWER MANHOLE
- STORM SEWER INLET

PROPOSED PLAN VIEW

- PAVING HEADER
- BUILDING, RESIDENTIAL
- BUILDING, COMMERCIAL
- TREE
- HEDGE
- IRON PIPE OR IRON ROD MONUMENT
- POINT OF INTERSECTION (PI)
- POINT OF CURVE (PC)
- POINT OF TANGENCY (PT)
- POWER POLE
- POWER POLE W/DOWN GUY

PROPOSED PROFILE VIEW

- NORTH OR EAST PROPERTY LINE
- SOUTH OR WEST PROPERTY LINE
- NORTH OR EAST CURB
- SOUTH OR WEST CURB
- NORTH OR EAST DITCH
- SOUTH OR WEST DITCH
- NORTH OR EAST NATURAL GROUND
- SOUTH OR WEST NATURAL GROUND
- NORTH OR EAST CULVERT
- SOUTH OR WEST CULVERT
- CENTERLINE OF ROW
- CENTERPOINT ENERGY CONDUIT
- GAS LINE
- WESTERN UNION
- AT&T CONDUIT
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- SANITARY SEWER FORCE MAIN
- RECLAIMED WATER LINE
- NON-POTABLE WATER LINE
- CENTERPOINT ENERGY MANHOLE
- AT&T MANHOLE
- WATER LINE MANHOLE
- SANITARY SEWER MANHOLE & CLEANOUT
- STORM SEWER MANHOLE
- STORM SEWER INLET

MISC STANDARD ELEMENTS

- COH NORTH ARROW
- COH BAR SCALE
- REVISION CLOUD/DELTA
- DETAIL/SECTION TITLE
- SECTION CALLOUT
- DETAIL CALLOUT

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

LEGEND

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 6 OF 318	

ABBREVIATIONS:

&	AND
@	AT
AC	ACTIVATED CARBON
AI/VR	AIR INLET AND VACUUM RELIEF
AL	ALUM
AS	ACTIVATED SILICA
ASPH	ASPHALT
AVE	AVENUE
ATS	ANODE TEST STATION
BL	BASELINE
BC	BEHIND CURB
BFC	BASE FLOOD ELEVATION
BFV	BUTTERFLY VALVE
CIP	CAST IRON PIPE
℄	CENTERLINE
CLCWA	CLEAR LAKE CITY WATER AUTHORITY
CLR	CLEAR/CLEARANCE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CMP	CORRUGATED METAL PIPE
COH	CITY OF HOUSTON
CONC	CONCRETE
CONSTR	CONSTRUCTION
CPE	CENTERPOINT ENERGY
CPN	CENTERPOINT ENERGY POINT
CPP	CONCRETE POWER POLE
CTS	CASED CROSSING TEST STATION
CFTS	CASED CROSSING AND FOREIGN LINE TEST STATION
CTMS	COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM
DEF	DEFLECTION
DI	DUCTILE IRON
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DRIVE
DWG	DRAWING
E	EAST
EL OR ELEV	ELEVATION
EJB	ELECTRICAL JUNCTION BOX
ELEC	ELECTRIC
ELP	ELECTRIC LIGHT POLE
EOP	EDGE OF PAVEMENT
E/R	END OF CURB RETURN
ESM'T	EASEMENT
EXIST	EXISTING
FC	FACE OF CURB
F–F	FACE–TO–FACE
FH	FIRE HYDRANT
FO	FIBER OPTIC
FOC	FIBER OPTIC CABLE
℄	FLOWLINE
FT	FEET
FTS	FOREIGN LINE TEST STATION
GA	GUY WIRE ANCHOR
GI	GRATE INLET
GIP	GALVANIZED IRON PIPE
GM	GAS METER
GV	GAS VALVE
GV & B	GATE VALVE AND BOX
HCFCD	HARRIS COUNTY FLOOD CONTROL DISTRICT
HCTRA	HARRIS COUNTY TOLL ROADWAY AUTHORITY
HL & P	HOUSTON LIGHTING AND POWER
HMAC	HOT MIXED ASPHALTIC CONCRETE
HPS	HIGH–PRESSURE SODIUM
HWY	HIGHWAY
ICV	IRRIGATION CONTROL VALVE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INV	INVERT
IP	IRON PIPE
IR	IRON ROD
ITS	ISOLATION TEST STATION
JT	JOINT
JUNCT	JUNCTION
LF	LINEAR FEET
LLPS	LOW LIFT PUMP STATION
LN	LANE
LPCB	LOW PROFILE CONCRETE BARRIER
LT	LEFT
MAX	MAXIMUM
METRO	METROPOLITAN TRANSIT AUTHORITY
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
MP	METER POLE
N	NORTH
N/A	NOT APPLICABLE
NFV	NOT FIELD VERIFIED
NG	NATURAL GROUND
NO	NUMBER
NTS	NOT TO SCALE
OCEL	ON CURVE ELEVATION
OFS	OFFSET
OH	OVERHEAD
PA	PLANT AIR
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
PE	PERMANENT EASEMENT
PERM	PERMANENT
PGL	PROFILE GRADE LINE
℄	PROPERTY LINE
PI	POINT OF INTERSECTION
PP	POLYPHOSPHATE
PRESS	PRESSURE
PROP	PROPOSED
PLA	PLASTIC
PLM	PIPELINE MARKER
PM	PROGRAM MANAGER
PPC	POWER POLE WITH CONDUIT
PPCA	POTENTIALLY PETROLEUM CONTAMINATED AREA
PP–CONC	CONCRETE POWER POLE
PSW	PLANT SERVICE WATER
PT	POINT
PT	POINT OF TANGENCY
PTS	POTENTIAL TEST STATION
PVC	POINT OF VERTICAL CURVATURE, POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVM'T	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
PWW	PROCESS WASTE WATER
(R)	RECORD DRAWING
R	RADIUS OF CIRCULAR CURVE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCED
REMOV	REMOVABLE
ROW	RIGHT OF WAY
RD	ROAD
RRPM	REFLECTIVE REMOVABLE PAVEMENT MARKERS
RT	RIGHT
RJ	RESTRAINED JOINT
RR	RAIL ROAD
RW	RETAINING WALL
S	SOUTH
SAN	SANITARY
SEC	SECTION
SHT	SHEET
SPEC	SPECIFICATION
ST	STREET
STA	STATION ALONG BASELINE OR CENTERLINE
STL	STEEL
STM	STORM
SWR	SEWER
SWBT	SOUTHWESTERN BELL TELEPHONE COMPANY
SWBMH	SWBT MANHOLE
SSF	SANITARY SEWER FORCEMAIN
SU & CE	SUPERNATENT & CENTRATE
TAN	TANGENT
TBM	TEMPORARY BENCH MARK
TCM	TELECOMMUNICATION CABLE MARKER
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL/TELE	TELEPHONE
TOE	TOP OF ELEVATION
TOC	TOP OF CONCRETE
TC	TOP OF CURB
TEMP	TEMPORARY
TP	TOP OF PAVEMENT
TR	TOP OF RIM
TS	TRAFFIC SIGNAL
TSB	TRAFFIC SIGNAL BOX
TSP	TRAFFIC SIGNAL POLE
TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
TS & V	TAPPING SLEEVE AND VALVE
TYP	TYPICAL
UG	UNDER GROUND
UPRR	UNION PACIFIC RAIL ROAD
VC	VERTICAL CURVE
VPI	VERTICAL POINT OF INTERSECTION
W	WEST
W/	WITH
W/O	WITH OUT
WL	WATER LINE
WLE	WATER LINE EASEMENT
WP	WOOD POLE
WV	WATER VALVE
WW	WOVEN WIRE

NO.	DATE	REVISION	APP.

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713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

ABBREVIATIONS

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 7 OF 318	

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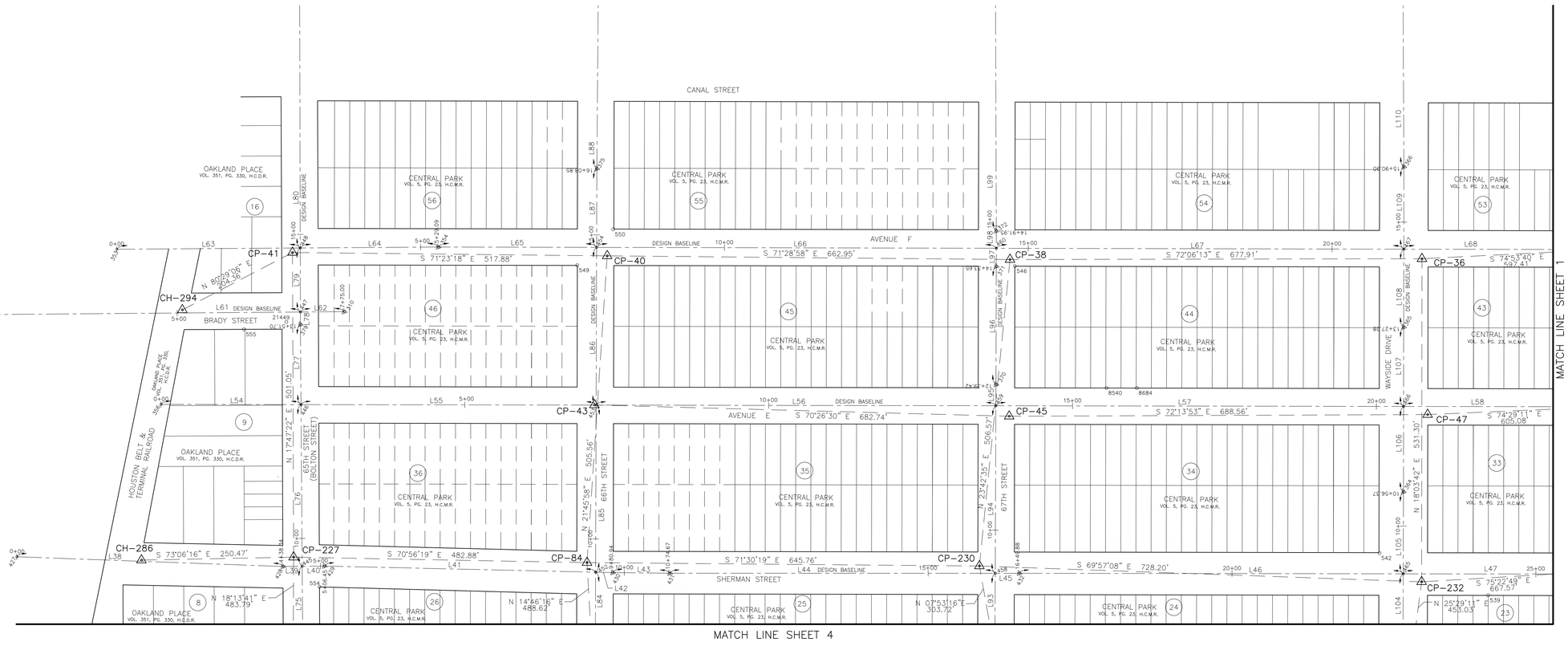

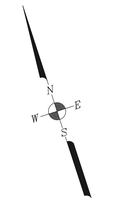

0 100 200

SCALE : 1" = 100'

NO.	DATE	REVISION	APP.

NOTES:

1. BEARINGS AND COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NAD83 (2011 ADJUSTMENT, EPOCH 2010.00). COORDINATES SHOWN HEREON ARE GRID VALUES AND MAY BE CONVERTED TO SURFACE BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 1.00013. UNIT OF MEASURE IS U.S. SURVEY FOOT.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88/GEOID18).

   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557-8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)
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4. INFORMATION FOR CONTROL, DESIGN BASELINE POINTS AND FOUND PROPERTY CORNERS SEE SURVEY CONTROL MAP SHEETS 7-8 OF 8.
5. STAKING OF THE DESIGN BASELINE, RECOVERY SKETCHES, AND SITE CONTROL MONUMENTS ARE EXCLUDED PER CONTRACT.
6. SOME CONTROLS ARE DESTROYED BY ON-GOING CONSTRUCTIONS AND NEW PAVING BY AUGUST 2025

DESIGN BASELINE TABLE

Course	Bearing	Distance
L38	S 69°54'56" E	438.34'
L39	S 72°34'17" E	31.40'
L40	S 72°34'17" E	36.71'
L41	S 70°42'18" E	446.30'
L42	S 70°42'18" E	28.19'
L43	S 71°20'38" E	93.73'
L44	S 71°59'29" E	535.73'
L45	S 71°59'29" E	39.48'
L46	S 71°55'09" E	631.92'
L47	S 71°55'09" E	670.32'
L54	S 71°54'17" E	230.36'
L55	S 71°54'17" E	485.67'
L56	S 71°54'17" E	657.86'
L57	S 71°54'17" E	670.92'
L58	S 71°54'17" E	670.42'
L61	S 72°28'00" E	702.84'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L62	S 72°28'00" E	72.16'
L63	S 72°23'25" E	301.94'
L64	S 72°23'25" E	227.15'
L65	S 71°52'25" E	260.56'
L66	S 71°52'25" E	657.71'
L67	S 71°52'25" E	670.59'
L68	S 71°52'25" E	670.77'
L75	N 17°35'04" E	254.13'
L76	N 17°35'04" E	265.90'
L77	N 17°35'04" E	131.68'
L78	N 17°52'25" E	20.58'
L79	N 17°52'25" E	105.31'
L80	N 17°52'25" E	497.04'
L84	N 18°10'37" E	275.13'
L85	N 18°10'37" E	274.81'
L86	N 18°10'37" E	259.35'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L87	N 18°10'37" E	129.42'
L88	N 18°27'29" E	366.14'
L93	N 18°13'13" E	274.73'
L94	N 18°13'13" E	275.51'
L95	N 18°13'13" E	34.98'
L96	N 18°09'20" E	194.23'
L97	N 17°59'13" E	29.78'
L98	N 17°59'13" E	28.51'
L99	N 17°48'52" E	458.05'
L104	N 18°10'55" E	275.12'
L105	N 18°10'55" E	134.78'
L106	N 18°03'44" E	140.51'
L107	N 18°03'44" E	130.40'
L108	N 18°04'51" E	128.22'
L109	N 18°04'51" E	135.40'
L110	N 17°43'23" E	359.10'

SHEET 1	SHEET 2	SHEET 3
SHEET 4	SHEET 5	SHEET 6

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FB NO. P-6397

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SURVEY CONTROL MAP (SHEET 1 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
1" = 100'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 8 OF 318	

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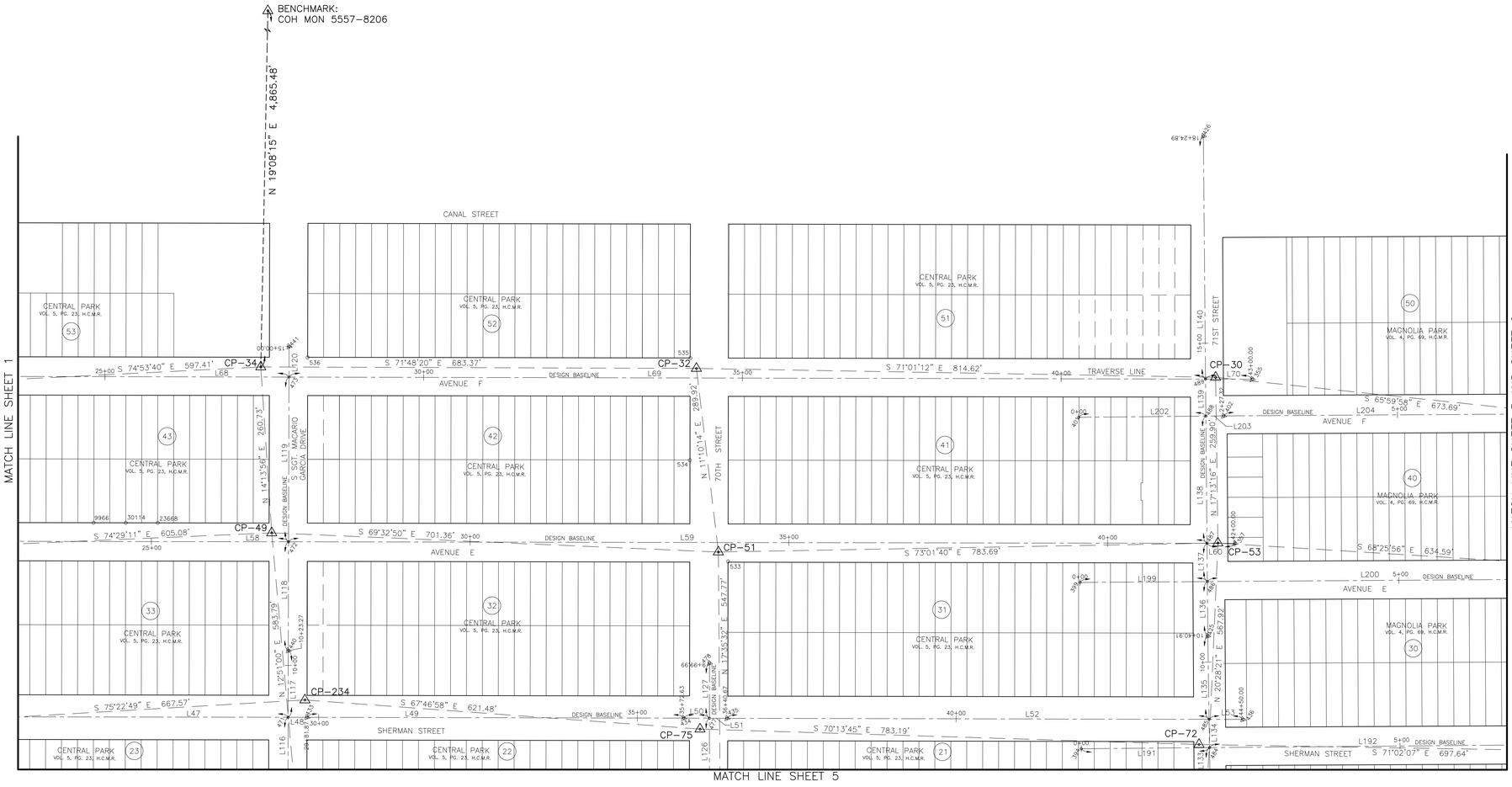

DESIGN BASELINE TABLE		
Course	Bearing	Distance
L47	S 71°55'09" E	670.32'
L48	S 71°55'09" E	29.74'
L49	S 71°52'23" E	590.76'
L50	S 71°46'02" E	40.46'
L51	S 71°46'02" E	27.58'
L52	S 71°52'35" E	756.18'
L53	S 71°52'35" E	53.16'
L58	S 71°54'17" E	670.42'
L59	S 71°54'17" E	1440.76'
L60	S 71°54'17" E	44.01'
L68	S 71°52'25" E	670.77'
L69	S 71°52'25" E	1437.80'
L70	S 71°52'25" E	73.47'
L116	N 18°07'32" E	274.95'

DESIGN BASELINE TABLE		
Course	Bearing	Distance
L117	N 18°07'32" E	104.52'
L118	N 18°09'00" E	170.60'
L119	N 18°09'00" E	258.26'
L120	N 18°09'00" E	47.87'
L126	N 18°03'14" E	275.16'
L127	N 18°03'14" E	86.31'
L133	N 17°07'50" E	228.83'
L134	N 17°07'50" E	44.35'
L135	N 17°07'50" E	130.62'
L136	N 17°29'28" E	85.39'
L137	N 17°29'28" E	59.99'
L138	N 17°29'28" E	199.49'
L139	N 17°29'28" E	58.00'
L140	N 17°29'28" E	381.11'

DESIGN BASELINE TABLE		
Course	Bearing	Distance
L191	S 72°29'13" E	201.13'
L192	S 72°29'13" E	525.12'
L199	S 72°23'33" E	199.75'
L200	S 72°23'33" E	666.65'
L202	S 72°33'12" E	199.48'
L203	S 72°33'12" E	27.84'
L204	S 72°21'19" E	591.49'

SHEET 1	**SHEET 2**	SHEET 3
SHEET 4	SHEET 5	SHEET 6

NO.	DATE	REVISION	APP.

0 100 200

SCALE : 1" = 100'

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SURVEY CONTROL MAP (SHEET 2 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
1" = 100'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 9 OF 318	

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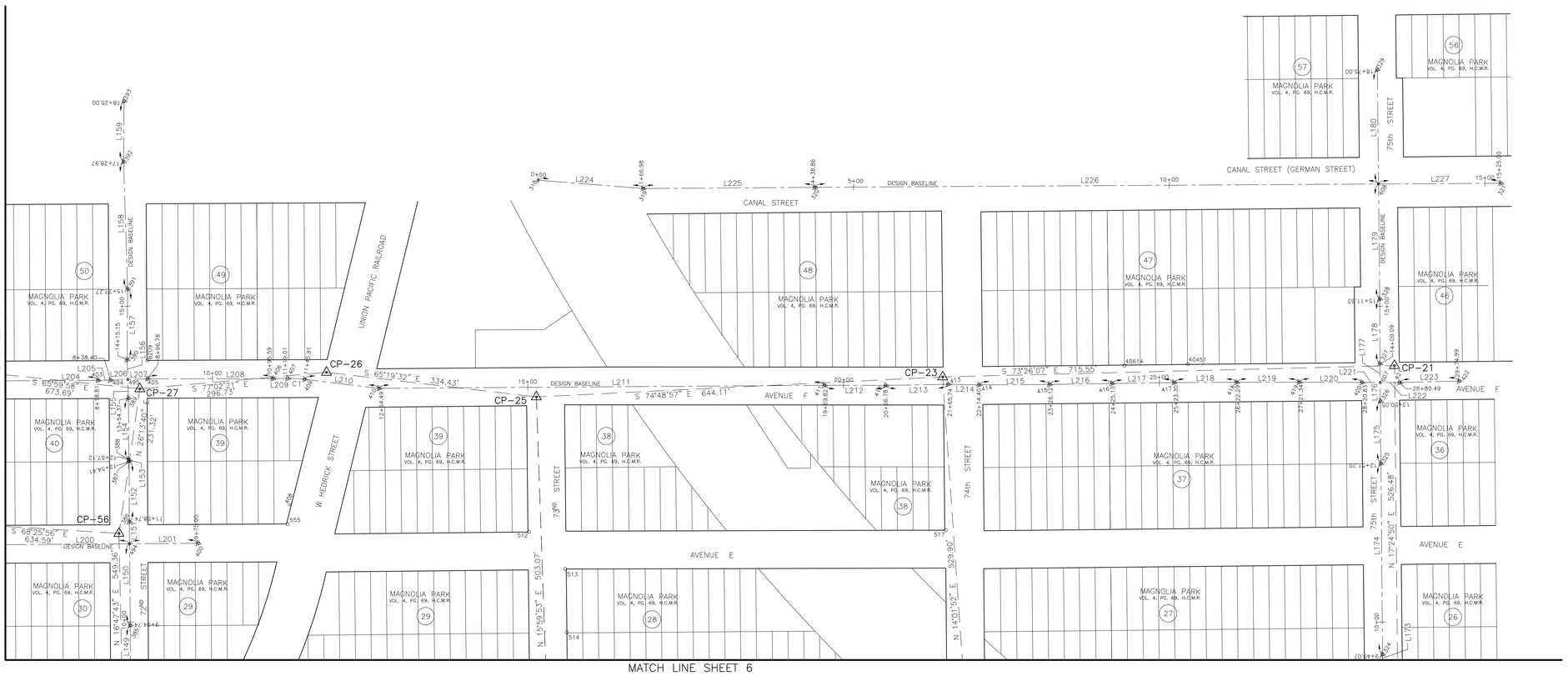

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SCALE : 1" = 100'

NO.	DATE	REVISION	APP.

DESIGN BASELINE TABLE

Course	Bearing	Distance
L200	S 72°23'33" E	666.65'
L201	S 72°23'33" E	108.59'
L204	S 72°21'19" E	591.49'
L205	S 72°26'28" E	19.59'
L206	S 74°10'49" E	27.35'
L207	S 74°10'49" E	31.03'
L208	S 72°04'03" E	198.81'
L209	S 72°47'41" E	23.42'
L210	S 65°05'20" E	118.59'
L211	S 72°23'38" E	705.33'
L212	S 71°52'42" E	96.96'
L213	S 73°03'07" E	98.96'
L214	S 70°44'13" E	48.65'
L215	S 72°25'29" E	111.73'
L216	S 72°50'19" E	99.01'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L217	S 72°55'07" E	98.17'
L218	S 72°08'57" E	99.00'
L219	S 72°06'50" E	99.04'
L220	S 71°48'40" E	99.50'
L221	S 71°45'43" E	28.81'
L222	S 71°45'43" E	30.84'
L223	S 73°31'38" E	94.50'
L224	S 67°27'07" E	166.98'
L225	S 72°24'01" E	271.88'
L226	S 72°20'18" E	892.43'
L227	S 72°20'18" E	193.71'
L149	N 17°59'02" E	101.40'
L150	N 17°25'14" E	129.08'
L151	N 17°25'14" E	34.92'
L152	N 17°55'06" E	95.68'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L153	N 04°51'38" E	2.70'
L154	N 17°38'47" E	97.25'
L155	N 16°03'51" E	29.57'
L156	N 16°03'51" E	31.21'
L157	N 18°23'31" E	112.12'
L158	N 16°10'08" E	201.70'
L159	N 18°29'28" E	96.03'
L173	N 17°06'00" E	87.20'
L174	N 17°32'01" E	302.13'
L175	N 17°29'58" E	98.85'
L176	N 17°10'14" E	29.42'
L177	N 17°10'14" E	29.62'
L178	N 17°54'29" E	102.54'
L179	N 17°22'08" E	182.18'
L180	N 17°22'08" E	181.20'

Curve	Radius	Length	Delta	Chord Bear.	Chord
C1	200.00'	26.90'	7°42'20"	S 68°56'31" E	26.88'

SHEET 1	SHEET 2	SHEET 3
SHEET 4	SHEET 5	SHEET 6

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SURVEY CONTROL MAP (SHEET 3 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
1" = 100'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 10 OF 318	

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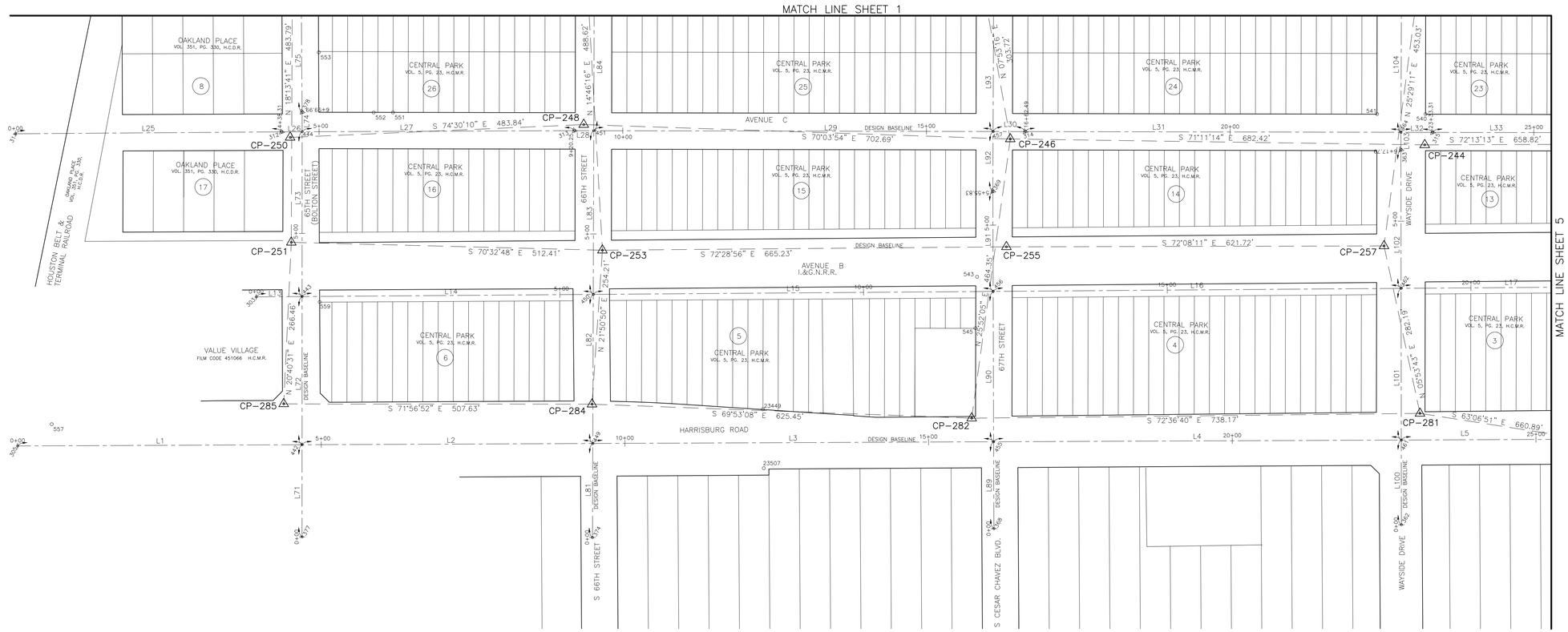

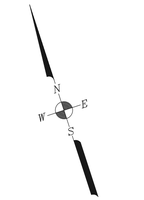

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   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557-8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)

3. THE ELEVATION DIFFERENCE BETWEEN FLOODPLAIN RM 210005 PUBLISHED DATUM (NAVD88, 2001 ADJ.) AND THE PROJECT VERTICAL DATUM (NAVD88/CORS, 2011 ADJ., EPOCH 2010.00/GEOID18) IS 0.23 FEET. PROJECT DATUM + (-0.23) FEET = FLOODPLAIN DATUM.

4. INFORMATION FOR CONTROL, DESIGN BASELINE POINTS AND FOUND PROPERTY CORNERS SEE SURVEY CONTROL MAP SHEETS 7-8 OF 8.

5. STAKING OF THE DESIGN BASELINE, RECOVERY SKETCHES, AND SITE CONTROL MONUMENTS ARE EXCLUDED PER CONTRACT.

6. SOME CONTROLS ARE DESTROYED BY ON-GOING CONSTRUCTIONS AND NEW PAVING BY AUGUST 2025

NO.	DATE	REVISION	APP.

DESIGN BASELINE TABLE

Course	Bearing	Distance
L1	S 72°14'43" E	468.42'
L2	S 72°14'43" E	478.71'
L3	S 72°14'43" E	659.94'
L4	S 72°14'43" E	671.18'
L5	S 72°14'43" E	673.27'
L13	S 72°25'39" E	75.50'
L14	S 72°25'39" E	479.43'
L15	S 72°25'39" E	658.42'
L16	S 72°25'39" E	671.66'
L17	S 72°25'39" E	670.90'
L25	S 72°24'43" E	438.31'
L26	S 72°14'21" E	33.75'
L27	S 72°14'21" E	448.20'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L28	S 71°52'47" E	32.01'
L29	S 71°52'47" E	657.44'
L30	S 71°52'47" E	52.79'
L31	S 71°53'26" E	618.79'
L32	S 71°53'26" E	52.02'
L33	S 71°53'33" E	618.57'
L71	N 18°00'38" E	151.87'
L72	N 18°00'38" E	244.09'
L73	N 18°00'38" E	271.49'
L74	N 18°00'38" E	32.54'
L75	N 17°35'04" E	254.13'
L81	N 18°10'37" E	154.80'
L82	N 18°10'37" E	245.62'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L83	N 18°10'37" E	269.72'
L84	N 18°10'37" E	275.13'
L89	N 17°49'23" E	143.08'
L90	N 17°49'23" E	247.71'
L91	N 17°49'23" E	165.04'
L92	N 18°13'13" E	98.38'
L93	N 18°13'13" E	274.73'
L100	N 17°55'47" E	139.50'
L101	N 17°55'47" E	249.85'
L102	N 17°55'47" E	228.43'
L103	N 18°10'55" E	28.68'
L104	N 18°10'55" E	275.12'

SHEET 1	SHEET 2	SHEET 3
SHEET 4	SHEET 5	SHEET 6

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F: 713-861-4131
TBPELS Registration No. 10019100

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SURVEY CONTROL MAP (SHEET 4 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
1" = 100'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 11 OF 318	

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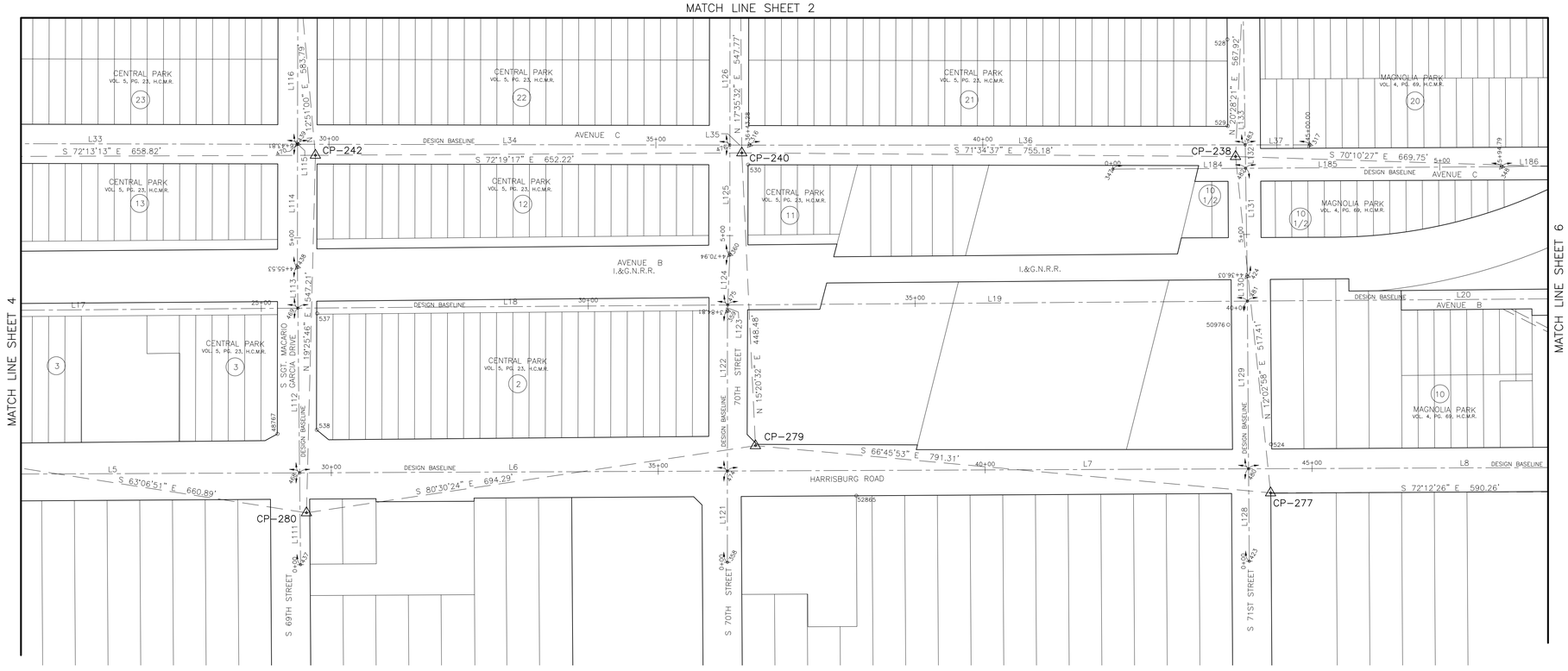

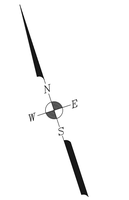

0 100 200

SCALE : 1" = 100'

NOTES:

1. BEARINGS AND COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NAD83 (2011 ADJUSTMENT, EPOCH 2010.00). COORDINATES SHOWN HEREON ARE GRID VALUES AND MAY BE CONVERTED TO SURFACE BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 1.00013. UNIT OF MEASURE IS U.S. SURVEY FOOT.

2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88/GEOID18).

   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557-8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)

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NO.	DATE	REVISION	APP.

DESIGN BASELINE TABLE

Course	Bearing	Distance
L5	S 72°14'43" E	673.27'
L6	S 72°14'43" E	654.33'
L7	S 72°14'43" E	797.12'
L8	S 72°14'43" E	661.01'
L17	S 72°25'39" E	670.90'
L18	S 72°25'39" E	657.48'
L19	S 72°25'39" E	794.86'
L20	S 72°25'39" E	662.11'
L33	S 71°53'33" E	618.57'
L34	S 71°53'33" E	661.30'
L35	S 71°53'33" E	30.10'
L36	S 72°01'29" E	758.06'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L37	S 72°01'29" E	98.66'
L184	S 72°21'15" E	203.08'
L185	S 72°21'15" E	391.71'
L186	S 73°05'06" E	100.21'
L111	N 17°23'25" E	140.48'
L112	N 17°23'25" E	251.99'
L113	N 17°23'25" E	63.06'
L114	N 18°03'30" E	187.79'
L115	N 18°03'29" E	0.49'
L116	N 18°07'32" E	274.95'
L121	N 18°01'12" E	139.66'
L122	N 18°01'12" E	245.14'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L123	N 20°22'40" E	8.95'
L124	N 20°22'40" E	77.19'
L125	N 18°03'14" E	167.58'
L126	N 18°03'14" E	275.16'
L128	N 17°35'40" E	141.44'
L129	N 17°35'40" E	256.61'
L130	N 17°35'40" E	37.98'
L131	N 17°07'50" E	165.26'
L132	N 17°07'50" E	35.83'
L133	N 17°07'50" E	228.83'

SHEET 1	SHEET 2	SHEET 3
SHEET 4	**SHEET 5**	SHEET 6

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SURVEY CONTROL MAP (SHEET 5 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
1" = 100'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 12 OF 318	

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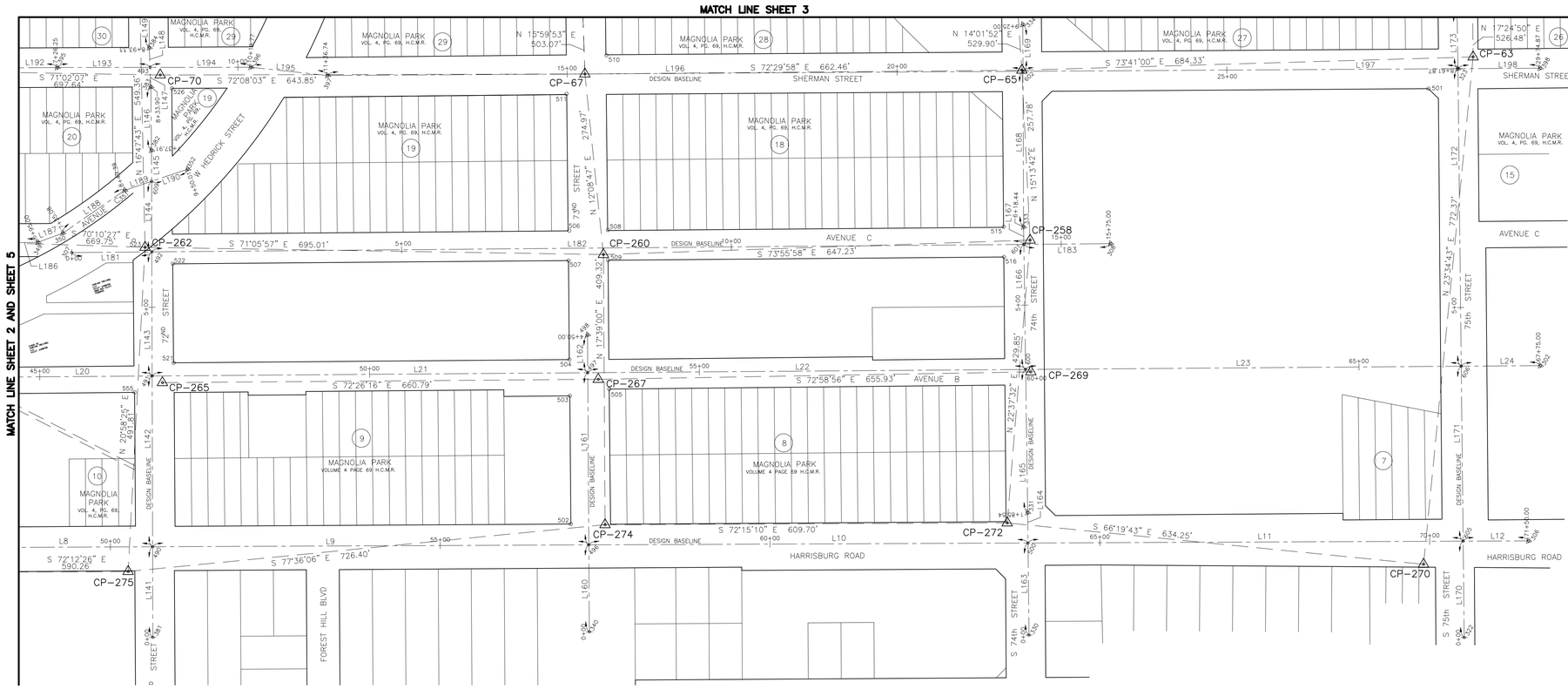

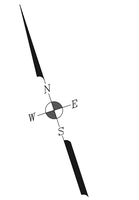

0 100 200

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NO.	DATE	REVISION	APP.

DESIGN BASELINE TABLE

Course	Bearing	Distance
L8	S 72°14'43" E	661.01'
L9	S 72°14'43" E	661.28'
L10	S 72°14'43" E	665.82'
L11	S 72°14'43" E	659.67'
L12	S 72°14'43" E	99.25'
L20	S 72°25'39" E	662.11'
L21	S 72°25'39" E	660.41'
L22	S 72°25'39" E	663.84'
L23	S 72°25'39" E	660.38'
L24	S 72°25'39" E	119.99'
L181	S 72°29'35" E	121.32'
L182	S 72°29'35" E	1322.07'
L183	S 72°29'35" E	131.61'
L186	S 73°05'06" E	100.21'
L187	N 87°44'43" E	40.08'
L188	N 73°23'39" E	114.31'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L189	N 89°26'37" E	42.69'
L190	N 89°26'37" E	57.93'
L192	S 72°29'13" E	525.12'
L193	S 72°04'07" E	140.61'
L194	S 72°04'07" E	152.90'
L195	S 65°52'28" E	116.97'
L196	S 72°20'43" E	1054.17'
L197	S 72°20'37" E	659.46'
L198	S 72°21'16" E	124.49'
L141	N 17°50'26" E	137.23'
L142	N 17°50'26" E	258.72'
L143	N 17°50'26" E	187.99'
L144	N 17°50'26" E	106.99'
L145	N 17°50'26" E	46.98'
L146	N 17°21'36" E	95.99'
L147	N 15°46'35" E	29.61'

DESIGN BASELINE TABLE

Course	Bearing	Distance
L148	N 15°46'35" E	29.82'
L149	N 17°59'02" E	101.40'
L160	N 17°38'54" E	131.76'
L161	N 17°38'54" E	260.82'
L162	N 17°38'54" E	57.42'
L163	N 17°23'18" E	139.53'
L164	N 17°23'18" E	46.01'
L165	N 17°10'46" E	216.94'
L166	N 17°10'46" E	189.51'
L167	N 17°10'46" E	26.45'
L168	N 17°46'19" E	235.78'
L169	N 17°46'19" E	70.79'
L170	N 17°22'19" E	146.06'
L171	N 17°22'19" E	265.05'
L172	N 17°22'19" E	450.76'
L173	N 17°06'00" E	87.20'

SHEET 1	SHEET 2	SHEET 3
SHEET 4	SHEET 5	**SHEET 6**

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SURVEY CONTROL MAP (SHEET 6 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
1" = 100'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 13 OF 318	

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HARRISBURG

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
305	0+00.00	0	13,834,695.09	3,138,341.95		BASELINE
557	0+56.38	-35.59	13,834,711.79	3,138,406.49		FND. 5/8"IRwC (ILLEGIBLE CAP)
285	**4+38.54**	**-67.4**	**13,834,625.55**	**3,138,780.09**	**32.46**	**CH-285 SET CONCRETE NAIL**
442	4+68.42	0	13,834,552.27	3,138,788.00		BASELINE INT
284	**9+46.16**	**-64.76**	**13,834,468.27**	**3,139,262.67**	**33.13**	**CH-284 CUT X IN CONCRETE**
449	9+47.13	0	13,834,406.30	3,139,243.85		BASELINE INT
23449	12+27.23	-55.2	13,834,373.46	3,139,527.40		FND. MAG NAIL
23507	12+28.43	41.99	13,834,280.54	3,139,498.91		FND. MAG NAIL
282	**15+71.08**	**-39.01**	**13,834,253.21**	**3,139,849.90**	**33.21**	**CH-282 SET MAG NAIL**
455	16+07.07	0	13,834,205.08	3,139,872.27		BASELINE INT
461	22+78.25	0	13,834,000.44	3,140,511.40		BASELINE INT
281	**23+09.24**	**-43.73**	**13,834,032.63**	**3,140,554.24**	**30.98**	**CH-281 CUT X IN CONCRETE**
48767	29+17.93	-59.77	13,833,862.31	3,141,138.75		FND. 5/8"CAP
468	29+51.52	0	13,833,795.16	3,141,152.52		BASELINE INT
280	**29+61.75**	**61.15**	**13,833,733.80**	**3,141,143.61**	**30.45**	**CH-280 SET COTTON SPINDLE**
538	29+78.07	-65.64	13,833,849.56	3,141,197.81		FND. MAG NAIL/SHINER
474	36+05.84	0	13,833,595.64	3,141,775.60		BASELINE INT
279	**36+48.84**	**-38.62**	**13,833,619.31**	**3,141,828.31**	**29.39**	**CH-279 SET MAG NAIL**
52865	38+02.86	38.8	13,833,498.63	3,141,951.38		FND. 5/8"IRwCAP
480	44+02.97	0	13,833,352.60	3,142,534.65		BASELINE INT
525	44+34.18	-37.11	13,833,378.42	3,142,575.70		FND. CUT X IN CONCRETE
277	**44+36.53**	**36.96**	**13,833,307.17**	**3,142,555.34**	**30.16**	**CH-277 SET MAG NAIL**
524	44+37.48	-37.37	13,833,377.66	3,142,578.91		FND. CUT X IN CONCRETE
275	**50+26.79**	**37.35**	**13,833,126.82**	**3,143,117.29**	**30.96**	**CH-275 SET 5/8"IRw/LANDTECH CAP**
490	50+63.97	0	13,833,151.05	3,143,164.09		BASELINE INT
502	56+98.00	-31.74	13,832,987.97	3,143,777.52		FND. 5/8"IRwC (ILLEGIBLE CAP)
496	57+25.25	0	13,832,949.43	3,143,793.80		BASELINE INT
274	**57+50.02**	**-30.46**	**13,832,970.88**	**3,143,826.66**	**31.35**	**CH-274 SET MAG NAIL**
272	**63+59.72**	**-30.54**	**13,832,785.06**	**3,144,407.28**	**30.16**	**CH-272 SET 5/8"IRw/LANDTECH CAP**
331	63+90.78	-46.01	13,832,790.32	3,144,441.57		BASELINE
500	63+91.08	0	13,832,746.41	3,144,427.82		BASELINE INT
270	**69+90.60**	**34.84**	**13,832,530.44**	**3,144,988.09**	**28.76**	**CH-270 SET MAG NAIL**
605	70+50.75	0	13,832,545.28	3,145,055.99		BASELINE INT
306	71+50.00	0	13,832,515.01	3,145,150.50		BASELINE

AVENUE B

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
303	0+00.00	0	13,834,807.16	3,138,791.49		BASELINE
251	**0+58.39**	**-89.47**	**13,834,874.82**	**3,138,874.16**	**34.10**	**CH-251 SET 5/8"IRwCAP**
443	0+75.50	0	13,834,784.37	3,138,863.46		BASELINE INT
41980	1+02.14	8.28	13,834,768.43	3,138,886.34		FND. 1/2"IR
556	1+04.40	9.21	13,834,766.86	3,138,888.22		FND. 5/8"IR
41979	1+04.41	9.19	13,834,766.88	3,138,888.23		FND. 1/2"IR
450	5+54.94	0	13,834,639.64	3,139,320.46		BASELINE INT
253	**5+70.53**	**-72.66**	**13,834,704.19**	**3,139,357.25**	**34.81**	**CH-253 SET MAG NAIL**
545	11+83.67	60.37	13,834,392.29	3,139,901.55		FND. CUT X IN CONCRETE
50761	11+83.70	60.39	13,834,392.26	3,139,901.57		FND. CUT X IN CONCRETE
543	11+87.02	-24.24	13,834,471.94	3,139,930.29		FND. RR SPIKE W PUNCH MARK
544	11+87.87	-25.4	13,834,472.79	3,139,931.45		FND. MAG NAIL/SHINER RPLS 4966
456	12+13.36	0	13,834,440.87	3,139,948.08		BASELINE INT
255	**12+35.76**	**-73.29**	**13,834,503.97**	**3,139,991.55**	**35.23**	**CH-255 SET MAG NAIL**
257	**18+57.47**	**-70.13**	**13,834,313.29**	**3,140,583.22**	**34.62**	**CH-257 SET MAG NAIL**
462	18+85.02	0	13,834,238.12	3,140,588.30		BASELINE INT
438	25+55.72	-63.06	13,834,095.77	3,141,246.67		BASELINE
469	25+55.92	0	13,834,035.60	3,141,227.82		BASELINE INT
537	25+85.23	8.34	13,834,018.80	3,141,253.24		FND. MAG NAIL/SHINER
359	32+12.96	8.94	13,833,828.73	3,141,851.42		BASELINE
475	32+13.40	0	13,833,837.12	3,141,854.54		BASELINE INT
360	32+17.18	-77.09	13,833,909.47	3,141,881.41		BASELINE
50976	39+78.77	35.97	13,833,571.80	3,142,573.24		FND. MAG NAIL
481	40+08.26	0	13,833,597.17	3,142,612.21		BASELINE INT
424	40+08.28	-37.98	13,833,633.38	3,142,623.69		BASELINE
520	46+43.60	24.59	13,833,381.94	3,143,210.40		FND. 1/2"IR
491	46+70.38	0	13,833,397.30	3,143,243.35		BASELINE INT
265	**46+85.86**	**10.21**	**13,833,382.89**	**3,143,255.03**	**32.79**	**CH-265 SET MAG NAIL**
31415	47+02.96	-19.65	13,833,406.20	3,143,280.33		FND. 5/8"IRwCAP
521	47+02.98	-19.69	13,833,406.23	3,143,280.36		FND. 5/8"IRwC WINDROSE
504	53+02.99	-20.1	13,833,225.49	3,143,852.42		FND. 5/8"IRwC WINDROSE
31096	53+03.00	-20.1	13,833,225.49	3,143,852.44		FND. 5/8"IRwCAP
503	53+03.32	34.76	13,833,173.10	3,143,836.19		FND. 5/8"IRwC (ILLEGIBLE CAP)
497	53+30.79	0	13,833,197.94	3,143,872.86		BASELINE INT
498	53+30.86	-57.42	13,833,252.66	3,143,890.26		BASELINE
267	**53+46.65**	**10.09**	**13,833,183.54**	**3,143,884.93**	**31.57**	**CH-267 SET MAG NAIL**
505	53+63.02	25.04	13,833,164.35	3,143,896.02		FND. 3/8"IR
600	59+94.63	0	13,832,997.55	3,144,505.63		BASELINE INT
269	**60+02.55**	**3.75**	**13,832,991.59**	**3,144,512.05**	**31.70**	**CH-269 SET MAG NAIL**
606	66+55.01	0	13,832,798.20	3,145,135.12		BASELINE INT
302	67+75.00	0	13,832,761.97	3,145,249.50		BASELINE

AVENUE C

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
311	0+00.00	0	13,835,185.24	3,138,497.49		BASELINE
312	4+38.31	0	13,835,052.80	3,138,915.25		BASELINE
250	**4+52.31**	**9.19**	**13,835,039.78**	**3,138,925.78**	**33.60**	**CH-250 SET MAG NAIL**
444	4+72.06	0	13,835,042.51	3,138,947.39		BASELINE INT
378	4+72.20	-32.54	13,835,073.46	3,138,957.45		BASELINE
552	5+90.00	-31.25	13,835,036.30	3,139,069.22		FND. CUT X IN CONCRETE
551	6+21.69	-31.11	13,835,026.51	3,139,099.36		FND. 5/8"IR
26017	6+21.72	-31.22	13,835,026.60	3,139,099.42		FND. 5/8"IR
313	9+20.25	0	13,834,905.81	3,139,374.17		BASELINE
248	**9+35.71**	**-10.01**	**13,834,910.52**	**3,139,391.97**	**33.64**	**CH-248 SET MAG NAIL**
451	9+52.26	0	13,834,895.86	3,139,404.59		BASELINE INT
457	16+09.71	0	13,834,691.41	3,140,029.35		BASELINE INT
246	**16+38.05**	**12.24**	**13,834,670.97**	**3,140,052.46**	**33.22**	**CH-246 SET MAG NAIL**
314	16+62.49	0	13,834,674.99	3,140,079.51		BASELINE
541	22+41.74	-30.01	13,834,523.48	3,140,639.32		FND. 2"IP
363	22+81.25	28.68	13,834,455.43	3,140,658.62		BASELINE
464	22+81.29	0	13,834,482.68	3,140,667.57		BASELINE INT
244	**23+20.41**	**20.61**	**13,834,450.93**	**3,140,698.35**	**32.17**	**CH-244 SET MAG NAIL**
540	23+21.54	-30	13,834,498.68	3,140,715.15		FND. 5/8"IR
315	23+33.31	0	13,834,466.51	3,140,717.01		BASELINE
439	29+51.88	-0.49	13,834,274.74	3,141,305.02		BASELINE
470	29+51.88	0	13,834,274.28	3,141,304.87		BASELINE INT
242	**29+79.22**	**16.84**	**13,834,249.79**	**3,141,325.62**	**31.08**	**CH-242 SET CONCRETE NAIL**
476	36+13.18	0	13,834,068.77	3,141,933.34		BASELINE INT
240	**36+31.42**	**11.96**	**13,834,051.74**	**3,141,946.96**	**30.51**	**CH-240 SET CONCRETE NAIL**
530	36+41.01	30.02	13,834,031.60	3,141,950.45		FND. 1"IR
316	36+43.28	0	13,834,059.42	3,141,961.94		BASELINE
347	41+98.79	36.99	13,833,852.83	3,142,478.86		BASELINE
529	43+74.58	-28.85	13,833,861.21	3,142,666.36		FND. 1-1/2"IP
238	**43+86.55**	**17.83**	**13,833,813.11**	**3,142,663.34**	**33.38**	**CH-238 SET CONCRETE NAIL**
483	44+01.34	0	13,833,825.51	3,142,682.91		BASELINE INT
482	44+01.87	35.82	13,833,791.28	3,142,672.36		BASELINE INT
317	45+00.00	0	13,833,795.07	3,142,776.74		BASELINE

SHERMAN ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
427	0+00.00	0	13,835,475.59	3,138,592.62		BASELINE
286	**2+05.02**	**-1.99**	**13,835,407.06**	**3,138,785.84**	**34.52**	**CH-286 SET MAG NAIL**
428	4+38.34	0	13,835,325.08	3,139,004.26		BASELINE
227	**4+55.83**	**-15.13**	**13,835,334.28**	**3,139,025.47**	**33.56**	**CH-227 SET MAG NAIL**
445	4+69.74	0	13,835,315.68	3,139,034.22		BASELINE INT
554	4+97.77	34.23	13,835,274.62	3,139,050.70		FND. 1/2"IR
429	5+06.45	0	13,835,304.68	3,139,069.23		BASELINE
84	**9+38.24**	**-15.44**	**13,835,176.60**	**3,139,481.82**	**33.01**	**CH-84 SET MAG NAIL**
452	9+52.75	0	13,835,157.23	3,139,490.41		BASELINE INT
430	9+80.94	0	13,835,147.91	3,139,517.01		BASELINE
431	10+74.67	0	13,835,117.93	3,139,605.81		BASELINE
230	**15+84.34**	**-11.98**	**13,834,971.77**	**3,140,094.14**	**33.51**	**CH-230 SET CONCRETE NAIL**
458	16+10.41	0	13,834,952.33	3,140,115.23		BASELINE INT
432	16+49.88	0	13,834,940.13	3,140,152.77		BASELINE
542	22+42.69	-34.05	13,834,788.53	3,140,726.80		FND. MON NO INFO
465	22+81.80	0	13,834,744.03	3,140,753.40		BASELINE INT
232	**23+12.10**	**13.1**	**13,834,722.18**	**3,140,778.13**	**31.90**	**CH-232 SET CONCRETE NAIL**
539	24+21.50	35.11	13,834,667.30	3,140,875.29		FND. 1/2"IR
471	29+52.13	0	13,834,536.02	3,141,390.55		BASELINE INT
234	**29+78.45**	**-27.2**	**13,834,553.71**	**3,141,424.00**	**31.57**	**CH-234 SET COTTON SPINDLE**
433	29+81.87	0	13,834,526.79	3,141,418.82		BASELINE
434	35+72.63	0	13,834,343.02	3,141,980.18		BASELINE
75	**35+98.35**	**17.08**	**13,834,318.74**	**3,141,999.27**	**31.81**	**CH-75 SET CONCRETE NAIL**
477	36+13.09	0	13,834,330.36	3,142,018.60		BASELINE INT
435	36+40.67	0	13,834,321.73	3,142,044.79		BASELINE
394	41+96.49	46.48	13,834,104.68	3,142,558.52		BASELINE
72	**43+81.19**	**39.51**	**13,834,053.85**	**3,142,736.19**	**32.78**	**CH-72 SET 3/8"IRw/LANDTECH CAP**
485	43+96.85	0	13,834,086.54	3,142,763.36		BASELINE INT
484	43+97.61	44.34	13,834,044.16	3,142,750.30		BASELINE INT
436	44+50.00	0	13,834,070.00	3,142,813.88		BASELINE

AVENUE E

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
356	0+00.00	0	13,835,640.66	3,138,895.59		BASELINE
446	2+30.36	0	13,835,569.12	3,139,114.54		BASELINE INT
43	**7+13.29**	**-0.2**	**13,835,419.33**	**3,139,573.59**	**34.17**	**CH-43 SET CONCRETE NAIL**
453	7+16.03	0	13,835,418.29	3,139,576.13		BASELINE INT
459	13+73.88	0	13,835,213.99	3,140,201.36		BASELINE INT
370	13+73.96	-34.98	13,835,247.21	3,140,212.29		BASELINE
45	**13+95.81**	**17.23**	**13,835,190.81**	**3,140,216.84**	**32.94**	**CH-45 SET CONCRETE NAIL**
8540	15+55.90	-29.52	13,835,185.53	3,140,383.52		FND. 5/8"wCAP
8684	16+05.81	-29.63	13,835,170.12	3,140,430.98		FND. 5/8"wCAP
466	20+44.80	0	13,835,005.63	3,140,839.02		BASELINE INT
47	**20+84.36**	**13.31**	**13,834,980.69**	**3,140,872.48**	**31.74**	**CH-47 SET CONCRETE NAIL**
9966	24+09.31	-29.3	13,834,920.27	3,141,194.55		FND. 1/2"IP
30114	24+59.77	-29.21	13,834,904.52	3,141,242.48		FND. 1/2"IP
30179	25+09.79	-29.35	13,834,889.12	3,141,290.06		FND. 1/2"IR
23668	25+09.86	-29.29	13,834,889.04	3,141,290.11		FND. 3/8"IR BENT
49	**26+88.82**	**-13.94**	**13,834,818.87**	**3,141,455.43**	**31.43**	**CH-49 SET CONCRETE NAIL**
472	27+15.22	0	13,834,797.43	3,141,476.20		BASELINE INT
51	**33+89.59**	**14.91**	**13,834,573.83**	**3,142,112.49**	**31.98**	**CH-51 SET CONCRETE NAIL**
533	34+04.77	29.68	13,834,555.08	3,142,122.33		FND. 1-1/2"IP
487	41+55.99	0	13,834,349.98	3,142,845.52		BASELINE INT
53	**41+73.12**	**-0.45**	**13,834,345.10**	**3,142,861.95**	**32.89**	**CH-53 SET CONCRETE NAIL**
357	42+00.00	0	13,834,336.32	3,142,887.35		BASELINE

BRADY ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
309	0+00.00	0	13,835,925.93	3,138,490.53		BASELINE
294	**5+08.65**	**-5.05**	**13,835,777.53**	**3,138,977.00**	**35.20**	**CH-294 SET 5/8"IRw/LANDTECH CAP**
555	6+09.89	27.75	13,835,715.76	3,139,063.65		FND. 5/8"IR
21449	6+79.58	15.9	13,835,706.06	3,139,133.66		FND. MON
379	7+02.71	20.58	13,835,694.63	3,139,154.31		BASELINE
447	7+02.84	0	13,835,714.22	3,139,160.63		BASELINE INT
310	7+75.00	0	13,835,692.48	3,139,229.43		BASELINE

AVENUE F

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
353	0+00.00	0	13,835,905.76	3,138,905.19		BASELINE
41	**2+89.14**	**7.34**	**13,835,811.30**	**3,139,178.53**	**33.56**	**CH-41 SET CONCRETE NAIL**
448	3+01.94	0	13,835,814.42	3,139,192.94		BASELINE INT
354	5+29.09	0	13,835,745.71	3,139,409.42		BASELINE
549	7+57.72	29.43	13,835,646.63	3,139,617.52		FND. 1/2"IRwC (ILLEGIBLE CAP)
454	7+89.65	0	13,835,664.66	3,139,657.01		BASELINE INT
40	**8+07.08**	**13.89**	**13,835,646.05**	**3,139,669.26**	**33.12**	**CH-40 SET CONCRETE NAIL**
550	8+16.69	-29.67	13,835,684.45	3,139,691.94		FND. 2"IP
372	14+47.29	-28.51	13,835,487.19	3,140,290.81		BASELINE
460	14+47.36	0	13,835,460.07	3,140,282.00		BASELINE INT
371	14+47.43	29.78	13,835,431.74	3,140,272.81		BASELINE
38	**14+70.01**	**18.41**	**13,835,435.53**	**3,140,297.81**	**32.83**	**CH-38 SET CONCRETE NAIL**
546	14+77.95	29.23	13,835,422.77	3,140,301.98		FND. 1-1/4" IP
467	21+17.95	0	13,835,251.47	3,140,919.23		BASELINE INT
36	**21+47.92**	**15.69**	**13,835,227.23**	**3,140,942.84**	**32.17**	**CH-36 SET CONCRETE NAIL**
34	**27+44.50**	**-15.8**	**13,835,071.57**	**3,141,519.52**	**31.62**	**CH-34 SET CONCRETE NAIL**
473	27+88.72	0	13,835,042.80	3,141,556.64		BASELINE INT
441	27+88.74	-47.87	13,835,088.28	3,141,571.55		BASELINE
536	28+17.77	-30.84	13,835,063.08	3,141,593.83		FND. MAG NAIL
535	34+18.37	-31.21	13,834,876.59	3,142,164.67		FND. 5/8"IR
32	**34+27.87**	**-14.99**	**13,834,858.22**	**3,142,168.65**	**32.72**	**CH-32 SET CONCRETE NAIL**
489	42+26.52	0	13,834,595.54	3,142,922.90		BASELINE INT
30	**42+42.41**	**-2.85**	**13,834,593.31**	**3,142,938.88**	**32.63**	**CH-30 SET 3/8"IRw/LANDTECH CAP**
355	43+00.00	0	13,834,572.69	3,142,992.72		BASELINE

65th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
377	0+00.00	0	13,834,407.86	3,138,741.04		BASELINE
442	1+51.87	0	13,834,552.27	3,138,788.00		BASELINE INT
285	**2+19.13**	**-30.18**	**13,834,625.55**	**3,138,780.09**	**32.46**	**CH-285 SET CONCRETE NAIL**
556	3+86.98	28.97	13,834,766.86	3,138,888.22		FND. 5/8"IR
41979	3+86.99	28.97	13,834,766.88	3,138,888.23		FND. 1/2"IR
41980	3+87.89	26.7	13,834,768.43	3,138,886.34		FND. 1/2"IR
443	3+95.96	0	13,834,784.37	3,138,863.46		BASELINE INT
251	**4+85.30**	**-17.79**	**13,834,874.82**	**3,138,874.16**	**34.10**	**CH-251 SET 5/8"IRwCAP**
250	**6+58.17**	**-19.71**	**13,835,039.78**	**3,138,925.78**	**33.60**	**CH-250 SET MAG NAIL**
312	6+67.30	-33.75	13,835,052.80	3,138,915.25		BASELINE
444	6+67.45	0	13,835,042.51	3,138,947.39		BASELINE INT
378	6+99.99	0	13,835,073.46	3,138,957.45		BASELINE
553	7+98.05	28.19	13,835,158.40	3,139,013.94		FND. 1/2"IP
554	9+19.96	28.12	13,835,274.62	3,139,050.70		FND. 1/2"IR
428	9+54.03	-31.4	13,835,325.08	3,139,004.26		BASELINE
445	9+54.12	0	13,835,315.68	3,139,034.22		BASELINE INT
429	9+54.22	36.71	13,835,304.68	3,139,069.23		BASELINE
227	**9+69.20**	**-13.96**	**13,835,334.28**	**3,139,025.47**	**33.56**	**CH-227 SET MAG NAIL**
446	12+20.01	0	13,835,569.12	3,139,114.54		BASELINE INT
379	13+51.70	0	13,835,694.63	3,139,154.31		BASELINE
21449	13+56.24	-23.17	13,835,706.06	3,139,133.66		FND. MON
447	13+72.28	0	13,835,714.22	3,139,160.63		BASELINE INT
41	**14+70.19**	**-12.76**	**13,835,811.30**	**3,139,178.53**	**33.56**	**CH-41 SET CONCRETE NAIL**
448	14+77.59	0	13,835,814.42	3,139,192.94		BASELINE INT
380	19+74.62	0	13,836,287.41	3,139,345.48		BASELINE

66th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
374	0+00.00	0	13,834,259.25	3,139,195.56		BASELINE
449	1+54.80	0	13,834,406.30	3,139,243.85		BASELINE INT
284	**2+19.56**	**-1.45**	**13,834,468.27**	**3,139,262.67**	**33.13**	**CH-284 CUT X IN CONCRETE**
450	4+00.43	0	13,834,639.64	3,139,320.46		BASELINE INT
253	**4+73.24**	**14.82**	**13,834,704.19**	**3,139,357.25**	**34.81**	**CH-253 SET MAG NAIL**
313	6+70.11	-32.01	13,834,905.81	3,139,374.17		BASELINE
451	6+70.14	0	13,834,895.86	3,139,404.59		BASELINE INT
248	**6+80.14**	**-16.57**	**13,834,910.52**	**3,139,391.97**	**33.64**	**CH-248 SET MAG NAIL**
430	9+44.73	28.19	13,835,147.91	3,139,517.01		BASELINE
452	9+45.28	0	13,835,157.23	3,139,490.41		BASELINE INT
84	**9+61.00**	**-14.2**	**13,835,176.60**	**3,139,481.82**	**33.01**	**CH-84 SET MAG NAIL**
453	12+20.08	0	13,835,418.29	3,139,576.13		BASELINE INT
43	**12+20.28**	**-2.74**	**13,835,419.33**	**3,139,573.59**	**34.17**	**CH-43 SET CONCRETE NAIL**
549	14+49.97	-31.9	13,835,646.63	3,139,617.52		FND. 1/2"IRwC (ILLEGIBLE CAP)
40	**14+65.56**	**17.45**	**13,835,646.05**	**3,139,669.26**	**33.12**	**CH-40 SET CONCRETE NAIL**
454	14+79.43	0	13,835,664.66	3,139,657.01		BASELINE INT
550	15+09.13	27.02	13,835,684.45	3,139,691.94		FND. 2"IP
375	16+08.85	0	13,835,787.61	3,139,697.38		BASELINE
376	19+75.00	0	13,836,134.87	3,139,813.29		BASELINE

67th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
368	0+00.00	0	13,834,068.89	3,139,828.48		BASELINE
455	1+43.08	0	13,834,205.08	3,139,872.27		BASELINE INT
282	**1+82.04**	**-36.03**	**13,834,253.21**	**3,139,849.90**	**33.21**	**CH-282 SET MAG NAIL**
50761	3+30.26	-29.4	13,834,392.26	3,139,901.57		FND. CUT X IN CONCRETE
545	3+30.29	-29.42	13,834,392.29	3,139,901.55		FND. CUT X IN CONCRETE
456	3+90.79	0	13,834,440.87	3,139,948.08		BASELINE INT
543	4+14.92	-26.44	13,834,471.94	3,139,930.29		FND. RR SPIKE W PUNCH MARK
544	4+16.08	-25.6	13,834,472.79	3,139,931.45		FND. MAG NAIL/SHINER RPLS 4966
255	**4+64.18**	**22.08**	**13,834,503.97**	**3,139,991.55**	**35.23**	**CH-255 SET MAG NAIL**
369	5+55.83	0	13,834,597.98	3,139,998.59		BASELINE
246	**6+42.02**	**28.36**	**13,834,670.97**	**3,140,052.46**	**33.22**	**CH-246 SET MAG NAIL**
457	6+54.21	0	13,834,691.41	3,140,029.35		BASELINE INT
458	9+28.93	0	13,834,952.33	3,140,115.23		BASELINE INT
432	9+29.08	39.48	13,834,940.13	3,140,152.77		BASELINE
230	**9+40.81**	**-26.11**	**13,834,971.77**	**3,140,094.14**	**33.51**	**CH-230 SET CONCRETE NAIL**
45	**11+87.26**	**21.96**	**13,835,190.81**	**3,140,216.84**	**32.94**	**CH-45 SET CONCRETE NAIL**
459	12+04.44	0	13,835,213.99	3,140,201.36		BASELINE INT
370	12+39.42	0	13,835,247.21	3,140,212.29		BASELINE
371	14+33.65	0	13,835,431.74	3,140,272.81		BASELINE
546	14+34.12	30.52	13,835,422.77	3,140,301.98		FND. 1-1/4" IP
38	**14+44.97**	**22.61**	**13,835,435.53**	**3,140,297.81**	**32.83**	**CH-38 SET CONCRETE NAIL**
460	14+63.43	0	13,835,460.07	3,140,282.00		BASELINE INT
372	14+91.95	0	13,835,487.19	3,140,290.81		BASELINE
373	19+50.00	0	13,835,923.22	3,140,430.92		BASELINE

WAYSIDE D

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
362	0+00.00	0	13,833,867.73	3,140,468.46		BASELINE
461	1+39.50	0	13,834,000.44	3,140,511.40		BASELINE INT
281	**1+83.33**	**30.85**	**13,834,032.63**	**3,140,554.24**	**30.98**	**CH-281 CUT X IN CONCRETE**
462	3+89.35	0	13,834,238.12	3,140,588.30		BASELINE INT
257	**4+59.31**	**-27.98**	**13,834,313.29**	**3,140,583.22**	**34.62**	**CH-257 SET MAG NAIL**
363	6+17.79	0	13,834,455.43	3,140,658.62		BASELINE
244	**6+25.91**	**39.15**	**13,834,450.93**	**3,140,698.35**	**32.17**	**CH-244 SET MAG NAIL**
464	6+46.47	0	13,834,482.68	3,140,667.57		BASELINE INT
541	6+76.43	-39.58	13,834,523.48	3,140,639.32		FND. 2"IP
540	6+76.52	40.21	13,834,498.68	3,140,715.15		FND. 5/8"IR
232	**9+08.54**	**30.31**	**13,834,722.18**	**3,140,778.13**	**31.90**	**CH-232 SET CONCRETE NAIL**
465	9+21.59	0	13,834,744.03	3,140,753.40		BASELINE INT
542	9+55.57	-39.17	13,834,788.53	3,140,726.80		FND. MON NO INFO
364	10+56.37	0	13,834,872.07	3,140,795.46		BASELINE
47	**11+83.55**	**39.54**	**13,834,980.69**	**3,140,872.48**	**31.74**	**CH-47 SET CONCRETE NAIL**
466	11+96.88	0	13,835,005.63	3,140,839.02		BASELINE INT
365	13+27.28	0	13,835,129.58	3,140,879.45		BASELINE
36	**14+39.79**	**29.96**	**13,835,227.23**	**3,140,942.84**	**32.17**	**CH-36 SET CONCRETE NAIL**
467	14+55.50	0	13,835,251.47	3,140,919.23		BASELINE INT
366	15+90.90	0	13,835,380.16	3,140,961.25		BASELINE
367	19+50.00	0	13,835,722.17	3,141,070.55		BASELINE

NO.	DATE	REVISION	APP.

NOTES:

1. BEARINGS AND COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NAD83 (2011 ADJUSTMENT, EPOCH 2010.00). COORDINATES SHOWN HEREON ARE GRID VALUES AND MAY BE CONVERTED TO SURFACE BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 1.00013. UNIT OF MEASURE IS U.S. SURVEY FOOT.

2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88/GEOID18).

   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557–8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)

3. THE ELEVATION DIFFERENCE BETWEEN FLOODPLAIN RM 210005 PUBLISHED DATUM (NAVD88, 2001 ADJ.) AND THE PROJECT VERTICAL DATUM (NAVD88/CORS, 2011 ADJ., EPOCH 2010.00/GEOID18) IS 0.23 FEET. PROJECT DATUM + (–0.23) FEET = FLOODPLAIN DATUM.

4. INFORMATION FOR CONTROL, DESIGN BASELINE POINTS AND FOUND PROPERTY CORNERS SEE SURVEY CONTROL MAP SHEETS 7–8 OF 8.

5. STAKING OF THE DESIGN BASELINE, RECOVERY SKETCHES, AND SITE CONTROL MONUMENTS ARE EXCLUDED PER CONTRACT.

6. SOME CONTROLS ARE DESTROYED BY ON–GOING CONSTRUCTIONS AND NEW PAVING BY AUGUST 2025

LANDTECH
1315 W Sam Houston Parkway N, Suite 100
Houston, Texas 77043
T: 713-861-7068
F: 713-861-4131
TBPELS Registration No. 10019100

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SURVEY CONTROL MAP (SHEET 7 OF 8)

WBS NUMBER

S–000035–0267–3

DRAWING SCALE

FOR CITY OF HOUSTON USE ONLY

CITY OF HOUSTON PM

ROWAIDAH AYOUB, P.E.

PLOTTED: 12/12/2025 7:13 AM

69th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
437	0+00.00	0	13,833,661.11	3,141,110.54		BASELINE
280	**0+79.27**	**9.84**	**13,833,733.80**	**3,141,143.61**	**30.45**	**CH-280 SET COTTON SPINDLE**
468	1+40.48	0	13,833,795.16	3,141,152.52		BASELINE INT
48767	2+00.46	-33.21	13,833,862.31	3,141,138.75		FND. 5/8"CAP
538	2+05.94	26.97	13,833,849.56	3,141,197.81		FND. MAG NAIL/SHINER
537	3+84.04	29.28	13,834,018.80	3,141,253.24		FND. MAG NAIL/SHINER
469	3+92.47	0	13,834,035.60	3,141,227.82		BASELINE INT
438	4+55.53	0	13,834,095.77	3,141,246.67		BASELINE
242	**6+26.46**	**27.32**	**13,834,249.79**	**3,141,325.62**	**31.08**	**CH-242 SET CONCRETE NAIL**
470	6+43.32	0	13,834,274.28	3,141,304.87		BASELINE INT
439	6+43.81	0	13,834,274.74	3,141,305.02		BASELINE INT
471	9+18.76	0	13,834,536.02	3,141,390.55		BASELINE INT
433	9+18.78	29.74	13,834,526.79	3,141,418.82		BASELINE
234	**9+45.98**	**26.3**	**13,834,553.71**	**3,141,424.00**	**31.57**	**CH-234 SET COTTON SPINDLE**
440	10+23.27	0	13,834,635.34	3,141,423.06		BASELINE
472	11+93.87	0	13,834,797.43	3,141,476.20		BASELINE INT
49	**12+07.79**	**-26.41**	**13,834,818.87**	**3,141,455.43**	**31.43**	**CH-49 SET CONCRETE NAIL**
473	14+52.13	0	13,835,042.80	3,141,556.64		BASELINE INT
34	**14+67.91**	**-44.23**	**13,835,071.57**	**3,141,519.52**	**31.62**	**CH-34 SET CONCRETE NAIL**
536	14+82.99	29.03	13,835,063.08	3,141,593.83		FND. MAG NAIL
441	15+00.00	0	13,835,088.28	3,141,571.55		BASELINE

70th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
358	0+00.00	0	13,833,462.85	3,141,732.39		BASELINE
474	1+39.66	0	13,833,595.64	3,141,775.60		BASELINE INT
279	**1+78.48**	**42.81**	**13,833,619.31**	**3,141,828.31**	**29.39**	**CH-279 SET MAG NAIL**
359	3+84.81	0	13,833,828.73	3,141,851.42		BASELINE INT
475	3+93.75	0	13,833,837.12	3,141,854.54		BASELINE INT
360	4+70.94	0	13,833,909.47	3,141,881.41		BASELINE
530	6+08.47	27.79	13,834,031.60	3,141,950.45		FND. 1"IR
240	**6+26.54**	**18.23**	**13,834,051.74**	**3,141,946.96**	**30.51**	**CH-240 SET CONCRETE NAIL**
316	6+38.49	30.1	13,834,059.42	3,141,961.94		BASELINE
476	6+38.52	0	13,834,068.77	3,141,933.34		BASELINE INT
75	**8+96.64**	**-14.79**	**13,834,318.74**	**3,141,999.27**	**31.81**	**CH-75 SET CONCRETE NAIL**
435	9+13.59	27.58	13,834,321.73	3,142,044.79		BASELINE
477	9+13.68	0	13,834,330.36	3,142,018.60		BASELINE INT
434	9+13.81	-40.46	13,834,343.02	3,141,980.18		BASELINE
478	9+99.99	0	13,834,412.41	3,142,045.34		BASELINE

71st ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
423	0+00.00	0	13,833,217.79	3,142,491.91		BASELINE
277	**1+04.38**	**33.46**	**13,833,307.17**	**3,142,555.34**	**30.16**	**CH-277 SET MAG NAIL**
480	1+41.44	0	13,833,352.60	3,142,534.65		BASELINE INT
525	1+78.46	31.32	13,833,378.42	3,142,575.70		FND. CUT X IN CONCRETE
524	1+78.71	34.62	13,833,377.66	3,142,578.91		FND. CUT X IN CONCRETE
50976	3+62.07	-29.48	13,833,571.80	3,142,573.24		FND. MAG NAIL
481	3+98.05	0	13,833,597.17	3,142,612.21		BASELINE INT
424	4+36.03	0	13,833,633.38	3,142,623.69		BASELINE
482	6+01.28	0	13,833,791.28	3,142,672.36		BASELINE INT
238	**6+19.50**	**-15.05**	**13,833,813.11**	**3,142,663.34**	**33.38**	**CH-238 SET CONCRETE NAIL**
483	6+37.11	0	13,833,825.51	3,142,682.91		BASELINE INT
529	6+66.36	-26.34	13,833,861.21	3,142,666.36		FND. 1-1/2"IP
528	7+98.86	-24.94	13,833,987.41	3,142,706.72		FND. 5/8"IR
484	8+65.94	0	13,834,044.16	3,142,750.30		BASELINE INT
72	**8+71.05**	**-16.34**	**13,834,053.85**	**3,142,736.19**	**32.78**	**CH-72 SET 3/8"IRw/LANDTECH CAP**
485	9+10.29	0	13,834,086.54	3,142,763.36		BASELINE INT
425	10+40.91	0	13,834,211.34	3,142,801.84		BASELINE
486	11+26.30	0	13,834,292.78	3,142,827.49		BASELINE INT
357	11+85.83	44.01	13,834,336.32	3,142,887.35		BASELINE
487	11+86.29	0	13,834,349.98	3,142,845.52		BASELINE INT
53	**11+86.56**	**17.14**	**13,834,345.10**	**3,142,861.95**	**32.89**	**CH-53 SET CONCRETE NAIL**
488	13+85.78	0	13,834,540.23	3,142,905.47		BASELINE INT
402	13+85.80	27.84	13,834,531.88	3,142,932.03		BASELINE
489	14+43.78	0	13,834,595.54	3,142,922.90		BASELINE INT
30	**14+46.46**	**15.91**	**13,834,593.31**	**3,142,938.88**	**32.63**	**CH-30 SET 3/8"IRw/LANDTECH CAP**
426	18+24.89	0	13,834,958.98	3,143,037.44		BASELINE

72nd ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
381	0+00.00	0	13,833,020.44	3,143,122.05		BASELINE
275	**0+99.83**	**-37.13**	**13,833,126.82**	**3,143,117.29**	**30.96**	**CH-275 SET 5/8"IRw/LANDTECH CAP**
490	1+37.23	0	13,833,151.05	3,143,164.09		BASELINE INT
520	3+71.23	-26.66	13,833,381.94	3,143,210.40		FND. 1/2"IR
265	**3+85.81**	**15.53**	**13,833,382.89**	**3,143,255.03**	**32.79**	**CH-265 SET MAG NAIL**
491	3+95.95	0	13,833,397.30	3,143,243.35		BASELINE INT
31415	4+15.76	32.49	13,833,406.20	3,143,280.33		FND. 5/8"IRwCAP
521	4+15.79	32.51	13,833,406.23	3,143,280.36		FND. 5/8"IRwC WINDROSE
522	5+65.78	31.64	13,833,549.25	3,143,325.49		FND. 5/8"IRwC WINDROSE
492	5+83.94	0	13,833,576.23	3,143,300.93		BASELINE INT
262	**5+90.90**	**-10.25**	**13,833,585.99**	**3,143,293.31**	**34.00**	**CH-262 SET MAG NAIL**
523	6+01.50	-27.34	13,833,601.32	3,143,280.29		FND. 1-1/2"IP
351	6+77.46	-40.51	13,833,677.64	3,143,291.02		BASELINE
609	6+90.93	0	13,833,678.06	3,143,333.71		BASELINE INT
382	7+37.91	0	13,833,722.78	3,143,348.09		BASELINE
526	8+31.35	31.79	13,833,802.47	3,143,406.32		FND. 5/8"IR
383	8+33.90	0	13,833,814.38	3,143,376.73		BASELINE
70	**8+51.41**	**14.95**	**13,833,827.16**	**3,143,395.88**	**32.38**	**CH-70 SET MAG NAIL**
493	8+63.52	0	13,833,842.88	3,143,384.79		BASELINE INT
384	8+93.33	0	13,833,871.57	3,143,392.89		BASELINE
385	9+94.74	0	13,833,968.00	3,143,424.19		BASELINE
494	11+23.81	0	13,834,091.15	3,143,462.83		BASELINE INT
56	**11+40.34**	**-16.51**	**13,834,111.85**	**3,143,452.03**	**32.18**	**CH-56 SET CONCRETE NAIL**
386	11+58.74	0	13,834,124.46	3,143,473.29		BASELINE
387	12+54.41	0	13,834,215.48	3,143,502.72		BASELINE
388	12+57.12	0	13,834,218.17	3,143,502.94		BASELINE
389	13+54.37	0	13,834,310.84	3,143,532.43		BASELINE
27	**13+68.56**	**18.62**	**13,834,319.33**	**3,143,554.25**	**32.42**	**CH-27 SET CONCRETE NAIL**
404	13+83.82	-27.35	13,834,346.70	3,143,514.30		BASELINE
495	13+83.94	0	13,834,339.26	3,143,540.61		BASELINE INT
405	13+84.07	31.03	13,834,330.80	3,143,570.46		BASELINE
403	13+84.33	-46.93	13,834,352.61	3,143,495.63		BASELINE
6209	14+13.07	31.91	13,834,358.41	3,143,579.33		FND. MAG NAIL
390	14+15.15	0	13,834,369.24	3,143,549.25		BASELINE
391	15+27.27	0	13,834,475.62	3,143,584.61		BASELINE
392	17+28.97	0	13,834,669.32	3,143,640.78		BASELINE
393	18+25.00	0	13,834,760.38	3,143,671.22		BASELINE

73rd ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
340	0+00.00	0	13,832,823.89	3,143,753.85		BASELINE
496	1+31.76	0	13,832,949.43	3,143,793.80		BASELINE INT
274	**1+62.17**	**24.82**	**13,832,970.88**	**3,143,826.66**	**31.35**	**CH-274 SET MAG NAIL**
502	1+63.55	-27.2	13,832,987.97	3,143,777.52		FND. 5/8"IRwC (ILLEGIBLE CAP)
503	3+57.78	-27.42	13,833,173.10	3,143,836.19		FND. 5/8"IRwC (ILLEGIBLE CAP)
505	3+67.58	32.27	13,833,164.35	3,143,896.02		FND. 3/8"IR
267	**3+82.50**	**15.88**	**13,833,183.54**	**3,143,884.93**	**31.57**	**CH-267 SET MAG NAIL**
497	3+92.58	0	13,833,197.94	3,143,872.86		BASELINE INT
504	4+12.64	-27.83	13,833,225.49	3,143,852.42		FND. 5/8"IRwC WINDROSE
31096	4+12.64	-27.81	13,833,225.49	3,143,852.44		FND. 5/8"IRwCAP
498	4+50.00	0	13,833,252.66	3,143,890.26		BASELINE

74th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
330	0+00.00	0	13,832,613.28	3,144,386.13		BASELINE
500	1+39.53	0	13,832,746.41	3,144,427.82		BASELINE INT
272	**1+70.27**	**-31.16**	**13,832,785.06**	**3,144,407.28**	**30.16**	**CH-272 SET 5/8"IRw/LANDTECH CAP**
331	1+85.54	0	13,832,790.32	3,144,441.57		BASELINE
269	**3+98.68**	**7.89**	**13,832,991.59**	**3,144,512.05**	**31.70**	**CH-269 SET MAG NAIL**
600	4+02.48	0	13,832,997.55	3,144,505.63		BASELINE INT
516	5+73.35	-30.34	13,833,169.74	3,144,527.12		FND. 5/8"IRwC WINDROSE
601	5+91.99	0	13,833,178.58	3,144,561.61		BASELINE INT
258	**5+98.30**	**9.58**	**13,833,181.78**	**3,144,572.63**	**31.60**	**CH-258 SET MAG NAIL**
333	6+18.44	0	13,833,203.84	3,144,569.42		BASELINE
515	6+18.70	-30.22	13,833,213.32	3,144,540.72		FND. 5/8"IR
602	8+54.21	0	13,833,428.33	3,144,641.37		BASELINE INT
65	**8+55.93**	**-1.65**	**13,833,430.47**	**3,144,640.33**	**32.76**	**CH-65 CUT X IN CONCRETE**
334	9+25.00	0	13,833,495.74	3,144,662.97		BASELINE

75th ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
322	0+00.00	0	13,832,405.90	3,145,012.39		BASELINE
605	1+46.06	0	13,832,545.28	3,145,055.99		BASELINE INT
606	4+11.11	0	13,832,798.20	3,145,135.12		BASELINE INT
501	8+32.14	-45.14	13,833,213.44	3,145,217.73		FND. 5/8"IR
323	8+61.87	0	13,833,228.34	3,145,269.68		BASELINE
63	**8+79.37**	**23.2**	**13,833,238.24**	**3,145,297.01**	**29.04**	**CH-63 SET CONCRETE NAIL**
324	9+49.07	0	13,833,311.67	3,145,295.32		BASELINE
325	12+51.20	0	13,833,599.73	3,145,386.33		BASELINE
326	13+50.05	0	13,833,693.99	3,145,416.06		BASELINE
421	13+78.89	30.84	13,833,712.45	3,145,454.02		BASELINE
607	13+79.47	0	13,833,722.10	3,145,424.73		BASELINE INT
420	13+80.00	-28.81	13,833,731.11	3,145,397.38		BASELINE
21	**14+05.88**	**23.05**	**13,833,740.52**	**3,145,454.55**	**29.80**	**CH-21 SET 3/8"IRw/LANDTECH CAP**
327	14+09.09	0	13,833,750.40	3,145,433.48		BASELINE
328	15+11.63	0	13,833,847.96	3,145,465.01		BASELINE
608	16+93.80	0	13,834,021.81	3,145,519.38		BASELINE INT
329	18+75.00	0	13,834,194.71	3,145,573.47		BASELINE

AVENUE C

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
307	0+00.00	0	13,833,612.72	3,143,185.25		BASELINE
523	0+94.08	-17.72	13,833,601.32	3,143,280.29		FND. 1-1/2"IP
262	**1+11.11**	**-7.02**	**13,833,585.99**	**3,143,293.31**	**34.00**	**CH-262 SET MAG NAIL**
492	1+21.32	0	13,833,576.23	3,143,300.93		BASELINE INT
522	1+52.86	18.34	13,833,549.25	3,143,325.49		FND. 5/8"IRwC WINDROSE
507	7+52.92	18.6	13,833,368.52	3,143,897.60		FND. CUT X IN CONCRETE
506	7+54.29	-26.64	13,833,411.25	3,143,912.52		FND. 1/2"IP
260	**8+05.91**	**9.89**	**13,833,360.88**	**3,143,950.76**	**31.45**	**CH-260 SET MAG NAIL**
508	8+12.89	-27.2	13,833,394.16	3,143,968.57		FND. 3/4"IR
509	8+12.91	18.59	13,833,350.48	3,143,954.82		FND. 5/8"IRwC BENCHMARK ENGR
515	14+13.02	-26.86	13,833,213.32	3,144,540.72		FND. 5/8"IR
516	14+13.16	18.81	13,833,169.74	3,144,527.12		FND. 5/8"IRwC WINDROSE
333	14+43.24	-26.45	13,833,203.84	3,144,569.42		BASELINE
601	14+43.39	0	13,833,178.58	3,144,561.61		BASELINE INT
258	**14+52.94**	**-6.37**	**13,833,181.78**	**3,144,572.63**	**31.60**	**CH-258 SET MAG NAIL**
308	15+75.00	0	13,833,138.99	3,144,687.10		BASELINE

AVENUE C

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
347	0+00.00	0	13,833,852.83	3,142,478.86		BASELINE
238	**1+87.87**	**-18.08**	**13,833,813.11**	**3,142,663.34**	**33.38**	**CH-238 SET CONCRETE NAIL**
483	2+02.76	-35.83	13,833,825.51	3,142,682.91		BASELINE INT
482	2+03.08	0	13,833,791.28	3,142,672.36		BASELINE INT
317	3+01.42	-35.26	13,833,795.07	3,142,776.74		BASELINE
348	5+94.79	0	13,833,672.55	3,143,045.58		BASELINE
349	6+95.00	0	13,833,643.40	3,143,141.45		BASELINE
350	7+35.08	0	13,833,644.98	3,143,181.50		BASELINE
351	8+49.39	0	13,833,677.64	3,143,291.02		BASELINE
609	8+92.08	0	13,833,678.06	3,143,333.71		BASELINE INT
609	8+92.08	0	13,833,678.06	3,143,333.71		BASELINE INT
382	9+06.91	-44.58	13,833,722.78	3,143,348.09		BASELINE
352	9+50.01	0	13,833,678.62	3,143,391.62		BASELINE

SHERMAN S

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
394	0+00.00	0	13,834,104.68	3,142,558.52		BASELINE
72	**1+84.76**	**-5**	**13,834,053.85**	**3,142,736.19**	**32.78**	**CH-72 SET 3/8"IRw/LANDTECH CAP**
485	2+00.84	-44.34	13,834,086.54	3,142,763.36		BASELINE INT
484	2+01.13	0	13,834,044.16	3,142,750.30		BASELINE INT
436	2+53.99	-43.78	13,834,070.00	3,142,813.88		BASELINE
395	7+26.25	0	13,833,886.16	3,143,251.02		BASELINE
384	8+65.75	-29.8	13,833,871.57	3,143,392.89		BASELINE
493	8+66.87	0	13,833,842.88	3,143,384.79		BASELINE INT
383	8+67.98	29.59	13,833,814.38	3,143,376.73		BASELINE
70	**8+82.26**	**11.53**	**13,833,827.16**	**3,143,395.88**	**32.38**	**CH-70 SET MAG NAIL**
526	8+99.80	31.82	13,833,802.47	3,143,406.32		FND. 5/8"IR
396	10+19.77	0	13,833,795.81	3,143,530.24		BASELINE
397	11+36.74	0	13,833,748.00	3,143,636.98		BASELINE
511	14+98.75	29.98	13,833,609.67	3,143,972.80		FND. 2"IP
67	**15+26.80**	**0.06**	**13,833,629.67**	**3,144,008.61**	**32.53**	**CH-67 SET CONCRETE NAIL**
510	15+59.59	-28.07	13,833,646.53	3,144,048.37		FND. 5/8"IR
65	**21+89.27**	**-1.72**	**13,833,430.47**	**3,144,640.33**	**32.76**	**CH-65 CUT X IN CONCRETE**
602	21+90.91	0	13,833,428.33	3,144,641.37		BASELINE INT
501	28+05.38	29.96	13,833,213.44	3,145,217.73		FND. 5/8"IR
323	28+50.37	0	13,833,228.34	3,145,269.68		BASELINE
63	**28+73.41**	**-17.72**	**13,833,238.24**	**3,145,297.01**	**29.04**	**CH-63 SET CONCRETE NAIL**
398	29+74.87	0	13,833,190.62	3,145,388.31		BASELINE

AVENUE E

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
399	0+00.00	0	13,834,353.19	3,142,637.13		BASELINE
486	1+99.75	0	13,834,292.78	3,142,827.49		BASELINE INT
56	**8+49.84**	**-16.47**	**13,834,111.85**	**3,143,452.03**	**32.18**	**CH-56 SET CONCRETE NAIL**
386	8+66.29	-34.92	13,834,124.46	3,143,473.29		BASELINE
494	8+66.41	0	13,834,091.15	3,143,462.83		BASELINE INT
400	9+75.00	0	13,834,058.30	3,143,566.33		BASELINE

AVENUE F

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
401	0+00.00	0	13,834,600.02	3,142,715.20		BASELINE
488	1+99.48	0	13,834,540.23	3,142,905.47		BASELINE INT
402	2+27.32	0	13,834,531.88	3,142,932.03		BASELINE
403	8+18.81	0	13,834,352.61	3,143,495.63		BASELINE
404	8+38.40	0	13,834,346.70	3,143,514.30		BASELINE
389	8+65.62	29.57	13,834,310.84	3,143,532.43		BASELINE
495	8+65.75	0	13,834,339.26	3,143,540.61		BASELINE INT
390	8+65.88	-31.21	13,834,369.24	3,143,549.25		BASELINE
27	**8+84.30**	**15.45**	**13,834,319.33**	**3,143,554.25**	**32.42**	**CH-27 SET CONCRETE NAIL**
405	8+96.78	0	13,834,330.80	3,143,570.46		BASELINE
406	10+95.59	0	13,834,269.58	3,143,759.59		BASELINE
407	11+19.01	0	13,834,262.67	3,143,781.96		BASELINE
409	11+45.91	0	13,834,253.01	3,143,807.04		BASELINE
409	11+45.91	0	13,834,253.01	3,143,807.04		BASELINE
26	**11+78.97**	**-15.11**	**13,834,252.79**	**3,143,843.38**	**32.86**	**CH-26 SET CONCRETE NAIL**
410	12+64.49	0	13,834,203.06	3,143,914.57		BASELINE
25	**15+13.48**	**15.29**	**13,834,113.19**	**3,144,147.24**	**31.76**	**CH-25 SET CONCRETE NAIL**
411	19+69.82	0	13,833,989.75	3,144,586.77		BASELINE
412	20+66.78	0	13,833,959.60	3,144,678.92		BASELINE
23	**21+57.16**	**-11.76**	**13,833,944.50**	**3,144,768.78**	**30.45**	**CH-23 SET CONCRETE NAIL**
413	21+65.74	0	13,833,930.75	3,144,773.57		BASELINE
414	22+14.40	0	13,833,914.70	3,144,819.49		BASELINE
415	23+26.12	0	13,833,880.97	3,144,925.99		BASELINE
416	24+25.13	0	13,833,851.76	3,145,020.58		BASELINE
40614	24+45.30	-28.04	13,833,872.64	3,145,048.08		FND. 1-1/2"IP
417	25+23.30	0	13,833,822.92	3,145,114.40		BASELINE
40451	25+45.13	-28.96	13,833,843.80	3,145,144.05		FND. 1/2"IR
418	26+22.29	0	13,833,792.59	3,145,208.61		BASELINE
419	27+21.34	0	13,833,762.17	3,145,302.86		BASELINE
420	28+20.83	0	13,833,731.11	3,145,397.38		BASELINE
327	28+49.10	-29.62	13,833,750.40	3,145,433.48		BASELINE
607	28+49.65	0	13,833,722.10	3,145,424.73		BASELINE INT
326	28+50.20	29.42	13,833,693.99	3,145,416.06		BASELINE
21	**28+72.20**	**-26.83**	**13,833,740.52**	**3,145,454.55**	**29.80**	**CH-21 SET 3/8"IRw/LANDTECH CAP**
421	28+80.49	0	13,833,712.45	3,145,454.02		BASELINE
422	29+74.99	0	13,833,685.65	3,145,544.64		BASELINE

CANAL ST

Point ID	Station	Offset	Grid Northing	Grid Easting	Elevation	Description
318	0+00.00	0	13,834,438.74	3,144,255.82		BASELINE
319	1+66.98	0	13,834,374.72	3,144,410.01		BASELINE
320	4+38.86	0	13,834,292.53	3,144,669.12		BASELINE
608	13+31.29	0	13,834,021.81	3,145,519.38		BASELINE INT
321	15+25.00	0	13,833,963.03	3,145,703.94		BASELINE

NOTES:

1. BEARINGS AND COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NAD83 (2011 ADJUSTMENT, EPOCH 2010.00). COORDINATES SHOWN HEREON ARE GRID VALUES AND MAY BE CONVERTED TO SURFACE BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 1.00013. UNIT OF MEASURE IS U.S. SURVEY FOOT.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88/GEOID18).

   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557-8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)
3. THE ELEVATION DIFFERENCE BETWEEN FLOODPLAIN RM 210005 PUBLISHED DATUM (NAVD88, 2001 ADJ.) AND THE PROJECT VERTICAL DATUM (NAVD88/CORS, 2011 ADJ., EPOCH 2010.00/GEOID18) IS 0.23 FEET. PROJECT DATUM + (-0.23) FEET = FLOODPLAIN DATUM.
4. INFORMATION FOR CONTROL, DESIGN BASELINE POINTS AND FOUND PROPERTY CORNERS SEE SURVEY CONTROL MAP SHEETS 7-8 OF 8.
5. STAKING OF THE DESIGN BASELINE, RECOVERY SKETCHES, AND SITE CONTROL MONUMENTS ARE EXCLUDED PER CONTRACT.
6. SOME CONTROLS ARE DESTROYED BY ON-GOING CONSTRUCTIONS AND NEW PAVING BY AUGUST 2025

NO.	DATE	REVISION	APP.

LANDTECH
1315 W Sam Houston Parkway N, Suite 100
Houston, Texas 77043
T: 713-861-7068
F: 713-861-4131
TBPELS Registration No. 10019100

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

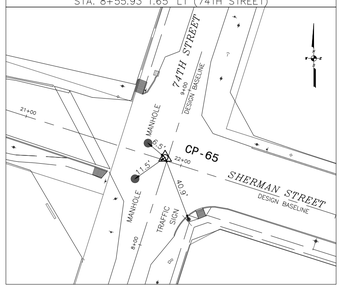
SURVEY CONTROL MAP (SHEET 8 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 15 OF 318	

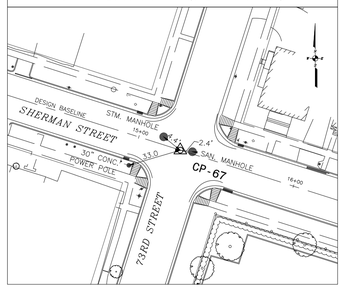
FILE PATH: S:\2020\2020154\CADD\05\SCM\05-COH WBS Survey Control Map.dwg

PLOTTED: 12/12/2025 7:13 AM

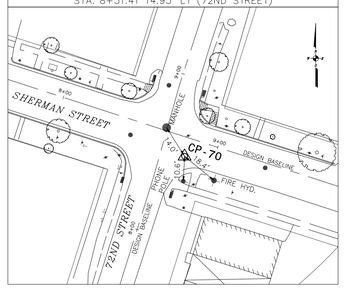
CONTROL POINT 65
CUT 'X' IN CONCRETE
STA. 21+89.27 1.72' LT (SHERMAN STREET)
STA. 8+55.93 1.65' LT (74TH STREET)



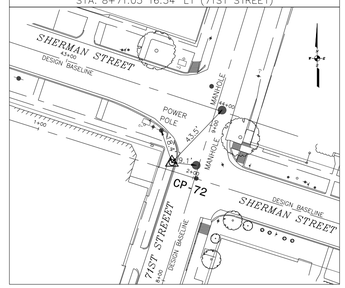
CONTROL POINT 67
SET CONCRETE NAIL
STA. 15+26.80 0.06' RT (SHERMAN STREET)



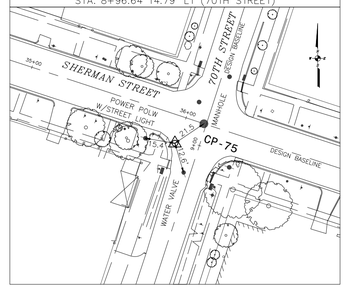
CONTROL POINT 70
SET MAG NAIL
STA. 8+82.26 11.53' RT (SHERMAN STREET)
STA. 8+51.41 14.95' LT (72ND STREET)



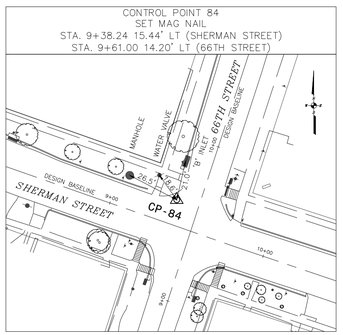
CONTROL POINT 72
SET 3/8"IRw/LANDTECH CAP
STA. 1+84.76 5.00' LT (SHERMAN STREET)
STA. 8+71.05 16.34' LT (71ST STREET)



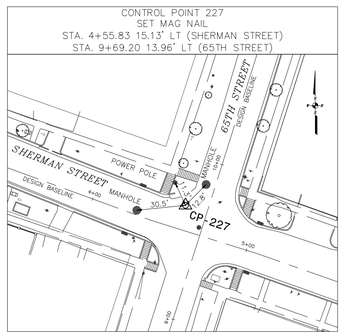
CONTROL POINT 75
SET CONCRETE NAIL
STA. 35+98.35 17.08' RT (SHERMAN STREET)
STA. 8+96.64 14.79' LT (70TH STREET)



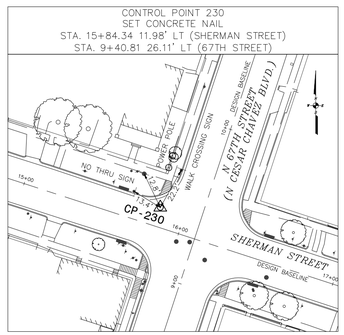
CONTROL POINT 84
SET MAG NAIL
STA. 9+38.24 15.44' LT (SHERMAN STREET)
STA. 9+61.00 14.20' LT (66TH STREET)



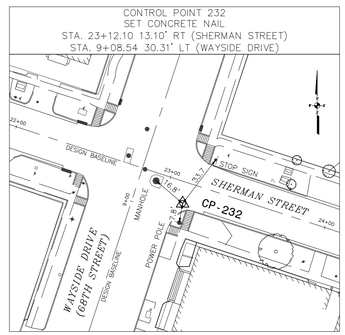
CONTROL POINT 227
SET MAG NAIL
STA. 4+55.83 15.13' LT (SHERMAN STREET)
STA. 9+69.20 13.96' LT (65TH STREET)



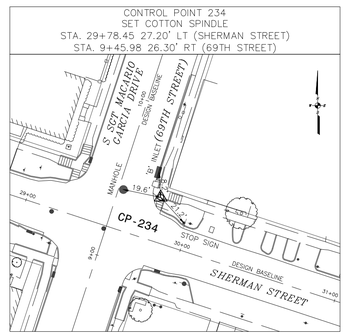
CONTROL POINT 230
SET CONCRETE NAIL
STA. 15+84.34 11.98' LT (SHERMAN STREET)
STA. 9+40.81 26.11' LT (67TH STREET)



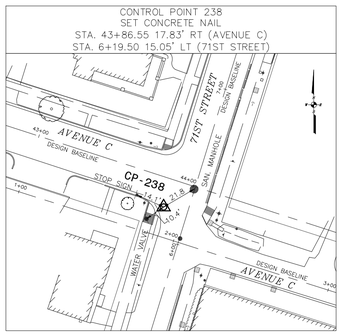
CONTROL POINT 232
SET CONCRETE NAIL
STA. 23+12.10 13.10' RT (SHERMAN STREET)
STA. 9+08.54 30.31' LT (WAYSIDE DRIVE)



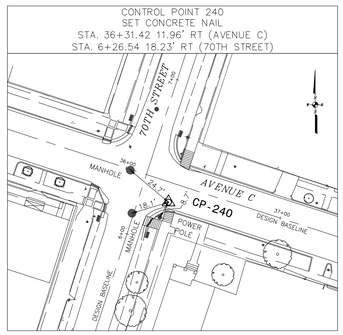
CONTROL POINT 234
SET COTTON SPINDLE
STA. 29+78.45 27.20' LT (SHERMAN STREET)
STA. 9+45.98 26.30' RT (69TH STREET)



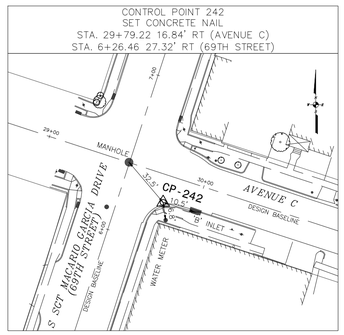
CONTROL POINT 238
SET CONCRETE NAIL
STA. 43+86.55 17.83' RT (AVENUE C)
STA. 6+19.50 15.05' LT (71ST STREET)



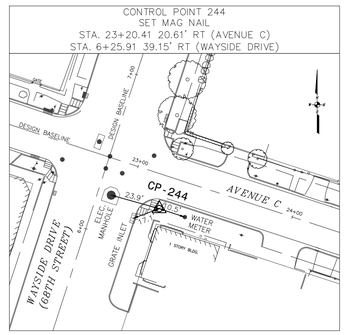
CONTROL POINT 240
SET CONCRETE NAIL
STA. 36+31.42 11.96' RT (AVENUE C)
STA. 6+26.54 18.23' RT (70TH STREET)



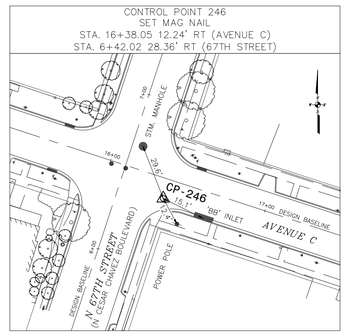
CONTROL POINT 242
SET CONCRETE NAIL
STA. 29+79.22 16.84' RT (AVENUE C)
STA. 6+26.46 27.32' RT (69TH STREET)



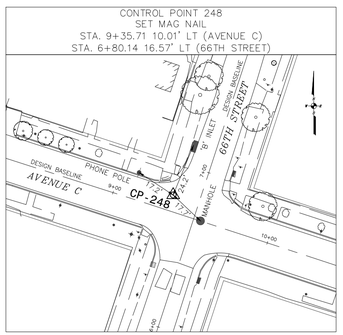
CONTROL POINT 244
SET MAG NAIL
STA. 23+20.41 20.61' RT (AVENUE C)
STA. 6+25.91 39.15' RT (WAYSIDE DRIVE)



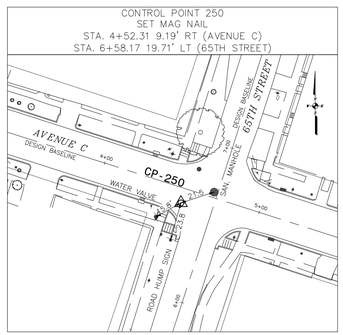
CONTROL POINT 246
SET MAG NAIL
STA. 16+38.05 12.24' RT (AVENUE C)
STA. 6+42.02 28.36' RT (67TH STREET)



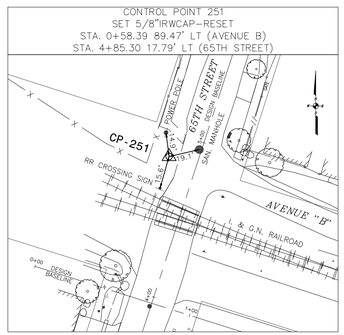
CONTROL POINT 248
SET MAG NAIL
STA. 9+35.71 10.01' LT (AVENUE C)
STA. 6+80.14 16.57' LT (66TH STREET)



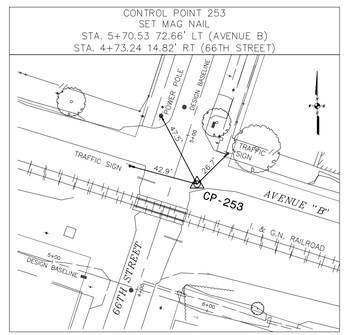
CONTROL POINT 250
SET MAG NAIL
STA. 4+52.31 9.19' RT (AVENUE C)
STA. 6+58.17 19.71' LT (65TH STREET)



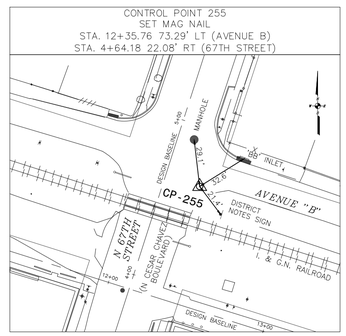
CONTROL POINT 251
SET 5/8"RWCAP-RESET
STA. 0+58.39 89.47' LT (AVENUE B)
STA. 4+85.30 17.79' LT (65TH STREET)



CONTROL POINT 253
SET MAG NAIL
STA. 5+70.53 72.66' LT (AVENUE B)
STA. 4+73.24 14.82' RT (66TH STREET)



CONTROL POINT 255
SET MAG NAIL
STA. 12+35.76 73.29' LT (AVENUE B)
STA. 4+64.18 22.08' RT (67TH STREET)



NOTES:

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2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88/GEOID18).

   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557-8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)

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5. STAKING OF THE DESIGN BASELINE, RECOVERY SKETCHES, AND SITE CONTROL MONUMENTS ARE EXCLUDED PER CONTRACT.

6. SOME CONTROLS ARE DESTROYED BY ON-GOING CONSTRUCTIONS AND NEW PAVING BY AUGUST 2025

NO.	DATE	REVISION	APP.

LANDTECH
1315 W Sam Houston Parkway N, Suite 100
Houston, Texas 77043
T: 713-861-7068
F: 713-861-4131
TBPELS Registration No. 10019100

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

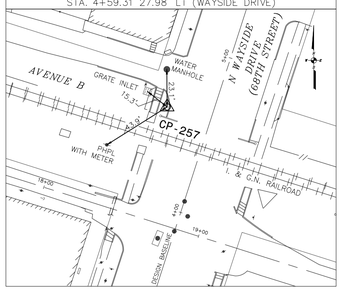
SWING TIES (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
NOT TO SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 16 OF 318	

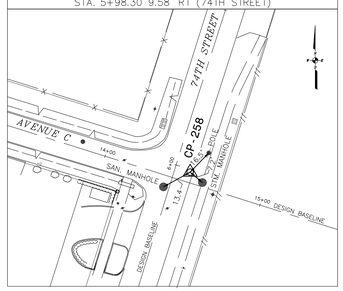
FILE PATH: S:\2020\2020154\CADD\05\SCM\05- -NEW STD-COH WBS Swing Ties.dwg

PLOTTED: 12/12/2025 7:13 AM

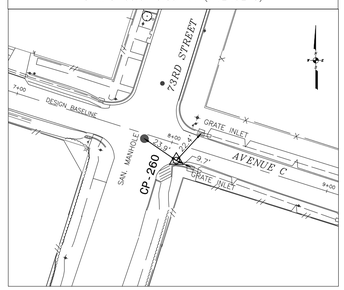
CONTROL POINT 257
SET MAG NAIL
STA. 18+57.47 70.13' LT (AVENUE B)
STA. 4+59.31 27.98' LT (WAYSIDE DRIVE)



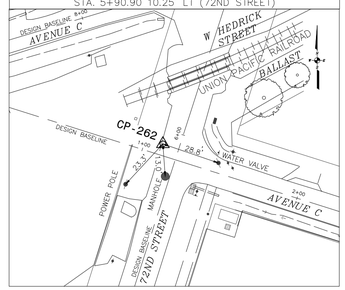
CONTROL POINT 258
SET MAG NAIL
STA. 14+52.94 6.37' LT (AVENUE C)
STA. 5+98.30 9.58' RT (74TH STREET)



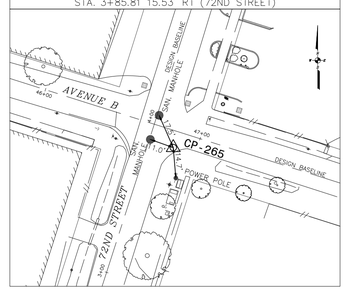
CONTROL POINT 260
SET MAG NAIL
STA. 8+05.91 9.89' RT (AVENUE C)



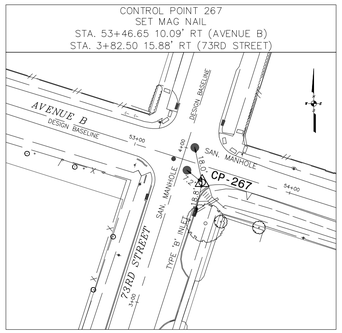
CONTROL POINT 262
SET MAG NAIL
STA. 1+11.11 7.02' LT (AVENUE C)
STA. 5+90.90 10.25' LT (72ND STREET)



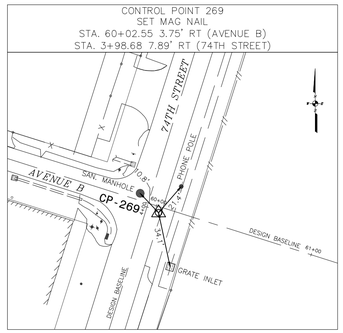
CONTROL POINT 265
SET MAG NAIL
STA. 46+85.86 10.21' RT (AVENUE B)
STA. 3+85.81 15.53' RT (72ND STREET)



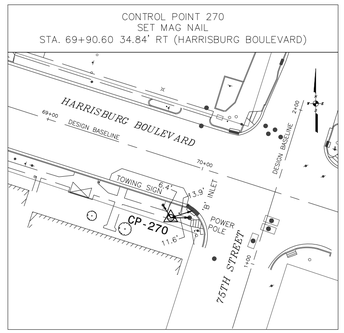
CONTROL POINT 267
SET MAG NAIL
STA. 53+46.65 10.09' RT (AVENUE B)
STA. 3+82.50 15.88' RT (73RD STREET)



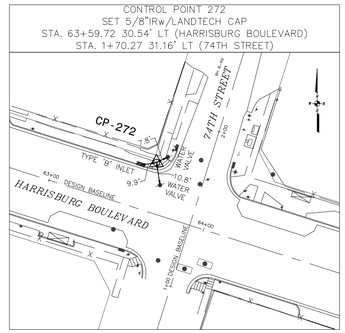
CONTROL POINT 269
SET MAG NAIL
STA. 60+02.55 3.75' RT (74TH STREET)
STA. 3+98.68 7.89' RT (AVENUE B)



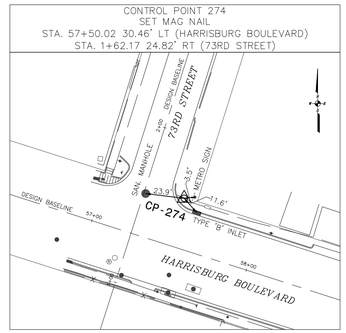
CONTROL POINT 270
SET MAG NAIL
STA. 69+90.60 34.84' RT (HARRISBURG BOULEVARD)



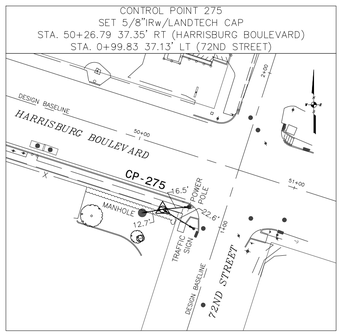
CONTROL POINT 272
SET 5/8"IRw/LANDTECH CAP
STA. 63+59.72 30.54' LT (HARRISBURG BOULEVARD)
STA. 1+70.27 31.16' LT (74TH STREET)



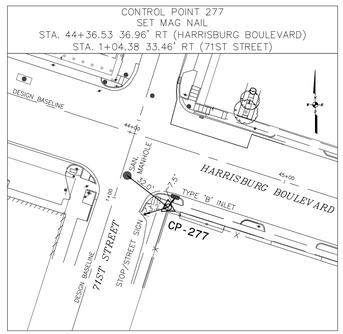
CONTROL POINT 274
SET MAG NAIL
STA. 57+50.02 30.46' LT (HARRISBURG BOULEVARD)
STA. 1+62.17 24.82' RT (73RD STREET)



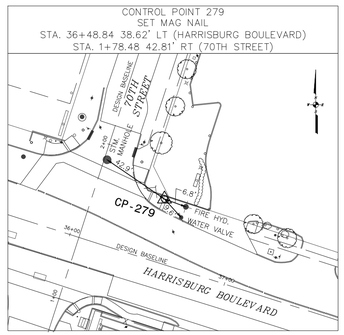
CONTROL POINT 275
SET 5/8"IRw/LANDTECH CAP
STA. 50+26.79 37.35' RT (HARRISBURG BOULEVARD)
STA. 0+99.83 37.13' LT (72ND STREET)



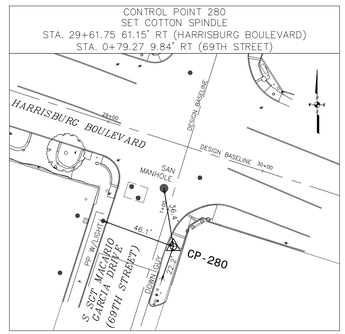
CONTROL POINT 277
SET MAG NAIL
STA. 44+36.53 36.96' RT (HARRISBURG BOULEVARD)
STA. 1+04.38 33.46' RT (71ST STREET)



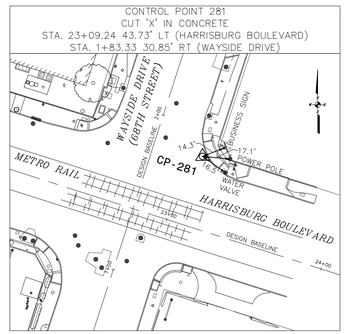
CONTROL POINT 279
SET MAG NAIL
STA. 36+48.84 38.62' LT (HARRISBURG BOULEVARD)
STA. 1+78.48 42.81' RT (70TH STREET)



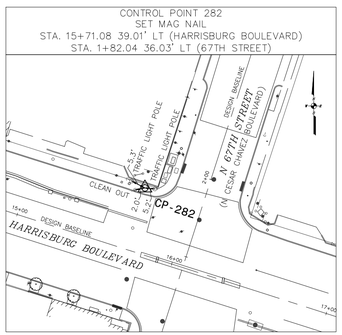
CONTROL POINT 280
SET COTTON SPINDLE
STA. 29+61.75 61.15' RT (HARRISBURG BOULEVARD)
STA. 0+79.27 9.84' RT (69TH STREET)



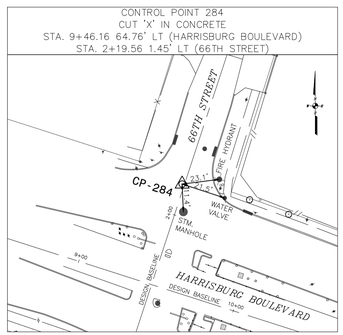
CONTROL POINT 281
CUT 'X' IN CONCRETE
STA. 23+09.24 43.73' LT (HARRISBURG BOULEVARD)
STA. 1+83.33 30.85' RT (WAYSIDE DRIVE)



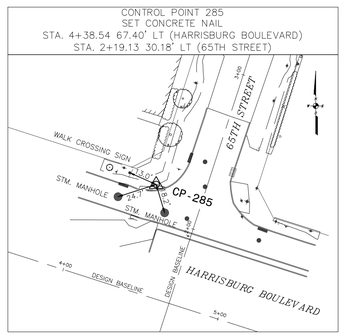
CONTROL POINT 282
SET MAG NAIL
STA. 15+71.08 39.01' LT (HARRISBURG BOULEVARD)
STA. 1+82.04 36.03' LT (67TH STREET)



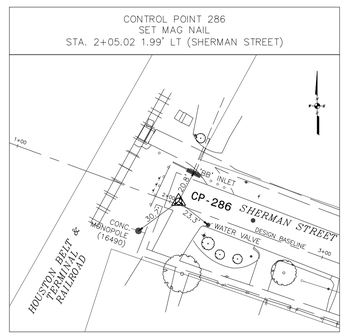
CONTROL POINT 284
CUT 'X' IN CONCRETE
STA. 9+46.16 64.76' LT (HARRISBURG BOULEVARD)
STA. 2+19.56 1.45' LT (66TH STREET)



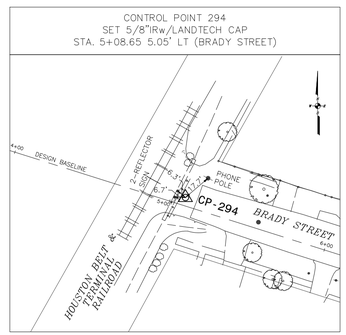
CONTROL POINT 285
SET CONCRETE NAIL
STA. 4+38.54 67.40' LT (HARRISBURG BOULEVARD)
STA. 2+19.13 30.18' LT (65TH STREET)



CONTROL POINT 286
SET MAG NAIL
STA. 2+05.02 1.99' LT (SHERMAN STREET)



CONTROL POINT 294
SET 5/8"IRw/LANDTECH CAP
STA. 5+08.65 5.05' LT (BRADY STREET)



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NO.	DATE	REVISION	APP.

LANDTECH
1315 W Sam Houston Parkway N, Suite 100
Houston, Texas 77043
T: 713-861-7068
F: 713-861-4131
TBPELS Registration No. 10019100

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

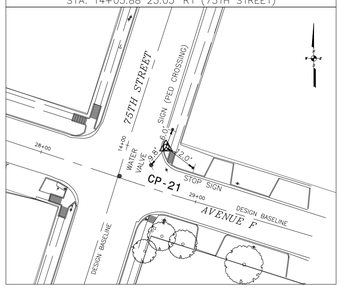
SWING TIES (SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
NOT TO SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 17 OF 318	

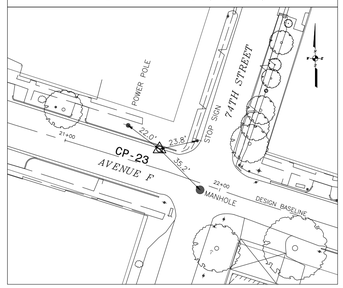
FILE PATH: S:\2020\2020154\CADD\05\SCM\05- -NEW STD-COH WBS Swing Ties.dwg

PLOTTED: 12/12/2025 7:13 AM

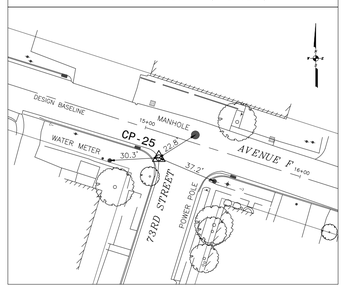
CONTROL POINT 21
SET 3/8"IRW/LANDTECH CAP
STA. 28+72.20 26.83' LT (AVENUE F)
STA. 14+05.88 23.05' RT (75TH STREET)



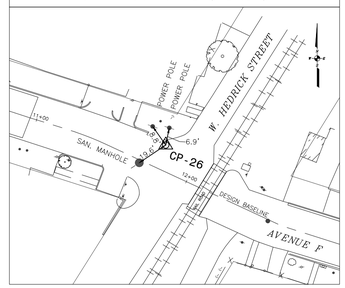
CONTROL POINT 23
SET CONCRETE NAIL
STA. 21+57.16 11.76' LT (AVENUE F)



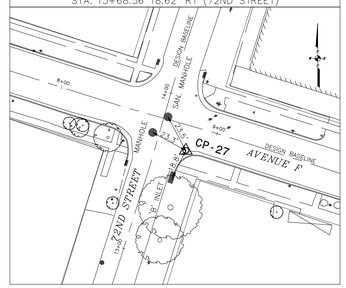
CONTROL POINT 25
SET CONCRETE NAIL
STA. 15+13.48 15.29' RT (AVENUE F)



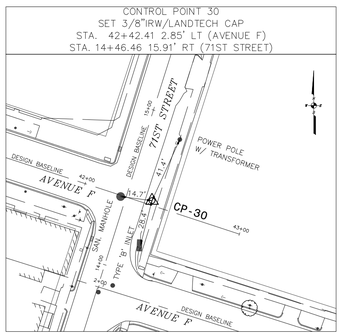
CONTROL POINT 26
SET CONCRETE NAIL
STA. 11+78.97 15.11' LT (AVENUE F)



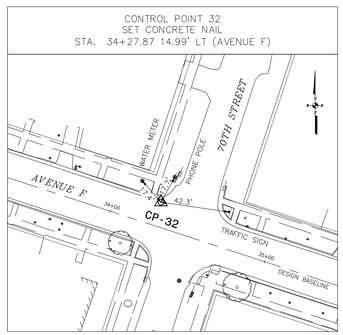
CONTROL POINT 27
SET CONCRETE NAIL
STA. 8+84.30 15.45' RT (AVENUE F)
STA. 13+68.56 18.62' RT (72ND STREET)



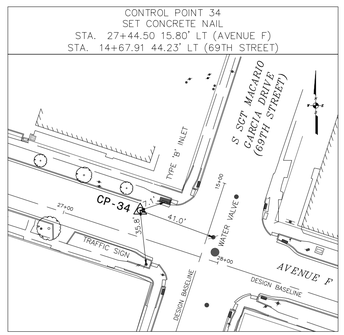
CONTROL POINT 30
SET 3/8"IRW/LANDTECH CAP
STA. 42+42.41 2.85' LT (AVENUE F)
STA. 14+46.46 15.91' RT (71ST STREET)



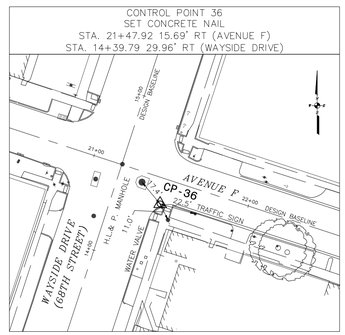
CONTROL POINT 32
SET CONCRETE NAIL
STA. 34+27.87 14.99' LT (AVENUE F)



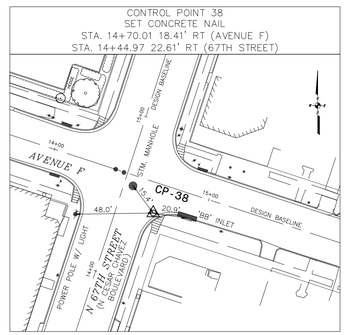
CONTROL POINT 34
SET CONCRETE NAIL
STA. 27+44.50 15.80' LT (AVENUE F)
STA. 14+67.91 44.23' LT (69TH STREET)



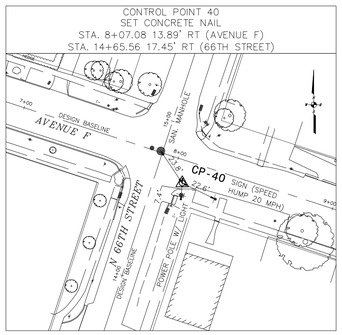
CONTROL POINT 36
SET CONCRETE NAIL
STA. 21+47.92 15.69' RT (WAYSIDE DRIVE)
STA. 14+39.79 29.96' RT (WAYSIDE DRIVE)



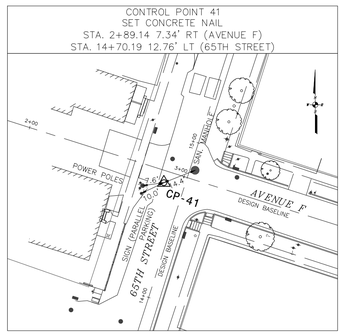
CONTROL POINT 38
SET CONCRETE NAIL
STA. 14+70.01 18.41' RT (AVENUE F)
STA. 14+44.97 22.61' RT (67TH STREET)



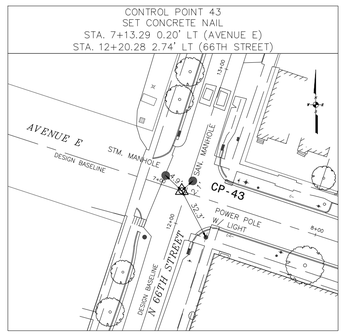
CONTROL POINT 40
SET CONCRETE NAIL
STA. 8+07.08 13.89' RT (AVENUE F)
STA. 14+65.56 17.45' RT (66TH STREET)



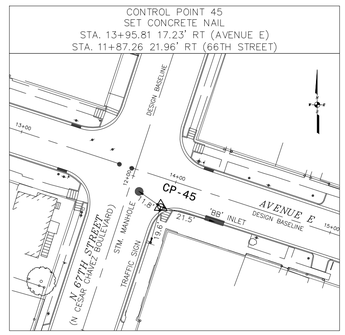
CONTROL POINT 41
SET CONCRETE NAIL
STA. 2+89.14 7.34' RT (AVENUE F)
STA. 14+70.19 12.76' LT (65TH STREET)



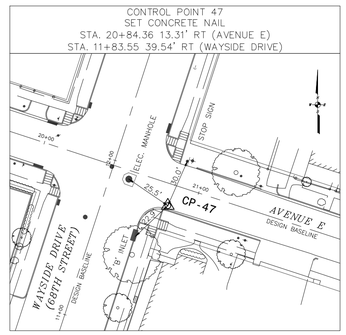
CONTROL POINT 43
SET CONCRETE NAIL
STA. 7+13.29 0.20' LT (AVENUE E)
STA. 12+20.28 2.74' LT (66TH STREET)



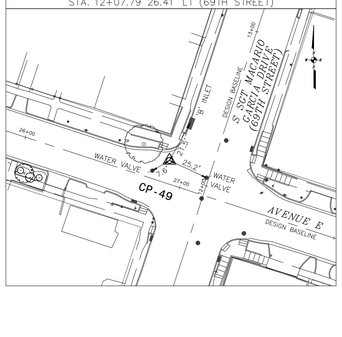
CONTROL POINT 45
SET CONCRETE NAIL
STA. 13+95.81 17.23' RT (AVENUE E)
STA. 11+87.26 21.96' RT (66TH STREET)



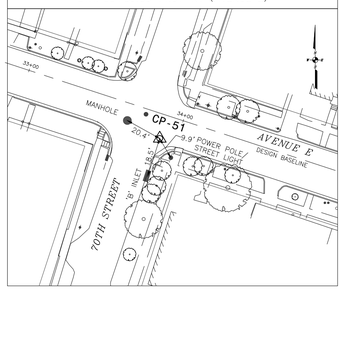
CONTROL POINT 47
SET CONCRETE NAIL
STA. 20+84.36 13.31' RT (AVENUE E)
STA. 11+83.55 39.54' RT (WAYSIDE DRIVE)



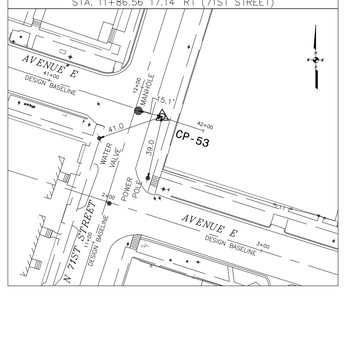
CONTROL POINT 49
SET CONCRETE NAIL
STA. 26+88.82 13.94' LT (AVENUE E)
STA. 12+07.79 26.41' LT (69TH STREET)



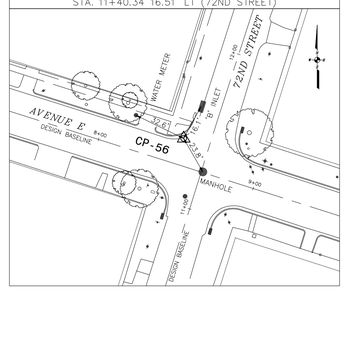
CONTROL POINT 51
SET CONCRETE NAIL
STA. 33+89.59 14.91' RT (AVENUE E)



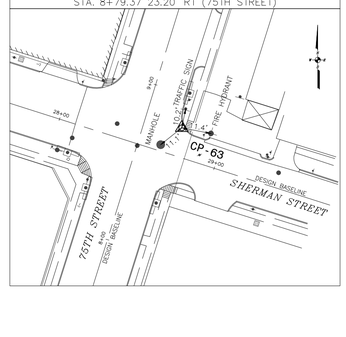
CONTROL POINT 53
SET CONCRETE NAIL
STA. 41+73.12 0.45' LT (AVENUE E)
STA. 11+86.56 17.14' RT (71ST STREET)



CONTROL POINT 56
SET CONCRETE NAIL
STA. 8+49.84 16.47' LT (AVENUE E)
STA. 11+40.34 16.51' RT (72ND STREET)



CONTROL POINT 63
SET CONCRETE NAIL
STA. 28+73.41 17.72' LT (SHERMAN STREET)
STA. 8+79.37 23.20' RT (75TH STREET)



NOTES:

1. BEARINGS AND COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NAD83 (2011 ADJUSTMENT, EPOCH 2010.00). COORDINATES SHOWN HEREON ARE GRID VALUES AND MAY BE CONVERTED TO SURFACE BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 1.00013. UNIT OF MEASURE IS U.S. SURVEY FOOT.

2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88/GEOID18).

   BENCHMARK:
   CITY OF HOUSTON SITE CONTROL MONUMENT NO. 5557-8206 (A.K.A. HARRIS COUNTY FLOODPLAIN REFERENCE MARK 210005): BRASS DISC STAMPED "RM 210005" ON EAST CONCRETE WALK OF SARGENT MACARIO GARCIA DRIVE OVER BUFFALO BAYOU. ELEVATION = 34.61 FEET (NAVD88/GEOID18)

3. THE ELEVATION DIFFERENCE BETWEEN FLOODPLAIN RM 210005 PUBLISHED DATUM (NAVD88, 2001 ADJ.) AND THE PROJECT VERTICAL DATUM (NAVD88/CORS, 2011 ADJ., EPOCH 2010.00/GEOID18) IS 0.23 FEET. PROJECT DATUM + (-0.23) FEET = FLOODPLAIN DATUM.

4. INFORMATION FOR CONTROL, DESIGN BASELINE POINTS AND FOUND PROPERTY CORNERS SEE SURVEY CONTROL MAP SHEETS 7-8 OF 8.

5. STAKING OF THE DESIGN BASELINE, RECOVERY SKETCHES, AND SITE CONTROL MONUMENTS ARE EXCLUDED PER CONTRACT.

6. SOME CONTROLS ARE DESTROYED BY ON-GOING CONSTRUCTIONS AND NEW PAVING BY AUGUST 2025

NO.	DATE	REVISION	APP.

LANDTECH
1315 W Sam Houston Parkway N, Suite 100
Houston, Texas 77043
T: 713-861-7068
F: 713-861-4131
TBPELS Registration No. 10019100

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

FOR REVIEW ONLY
December 2025
PAUL P. KWAN
R.P.L.S. No. 4313
NOT FOR BIDDING OR CONSTRUCTION

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

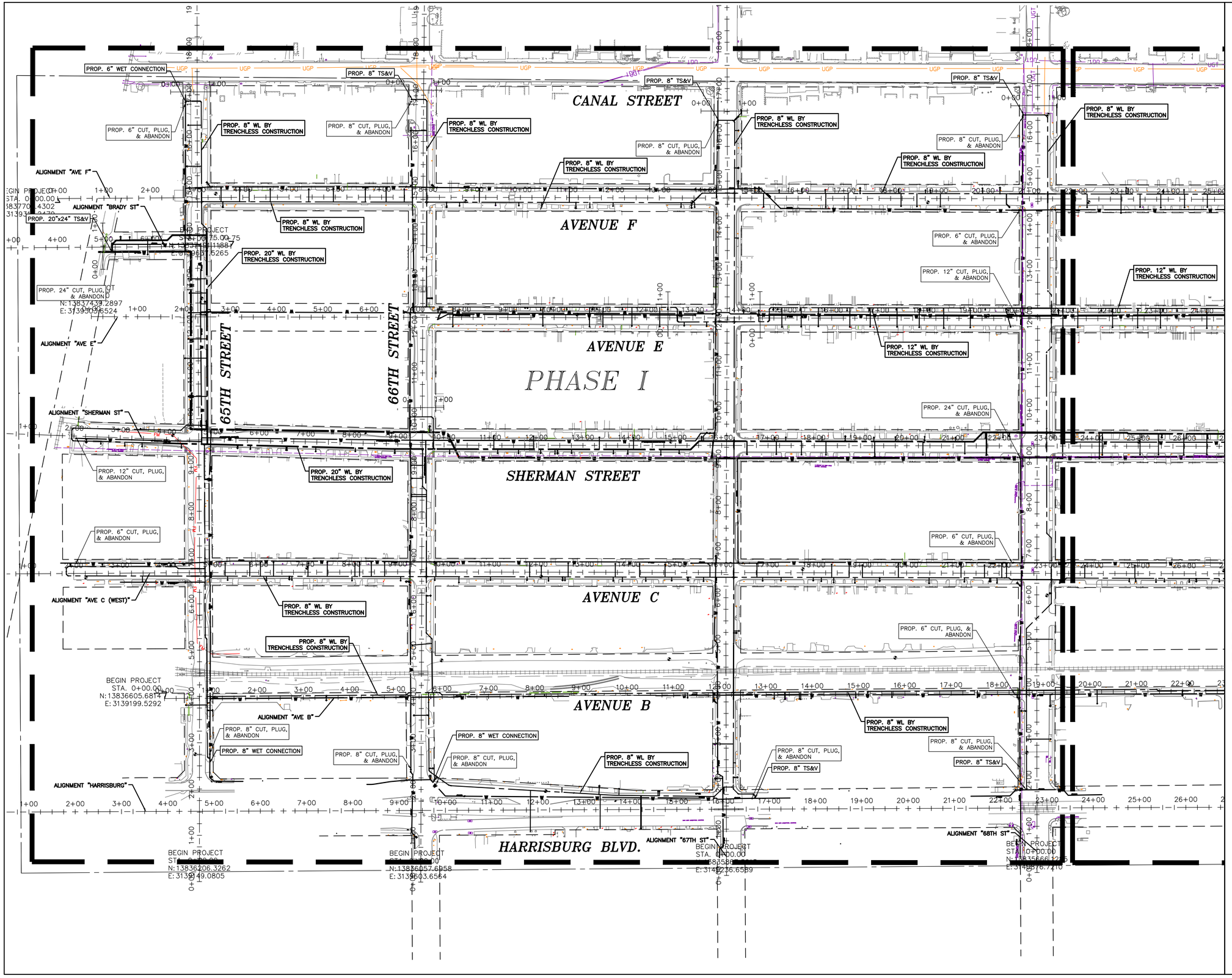
SWING TIES
(SHEET 1 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
NOT TO SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 18 OF 318	

FILE PATH: S:\2020\2020154\CADD\05\SCM\05- -NEW STD-COH WBS Swing Ties.dwg

PLOTTED: 12/12/2025 1:49 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-WATER LINE PHASING PLAN.dwg



NO.	DATE	REVISION	APP.

NOTES:

1. THE INSTALLATION OF THE PROPOSED 8–IN, 12–IN, 16–IN, AND 20–IN WATER LINES ARE TO BE INSTALLED IN PHASES TO LIMIT THE DISRUPTION OF SERVICES TO EXISTING BUSINESSES AND RESIDENCES DURING CONSTRUCTION, AND THE TRANSFER OF WATER FROM THE EXISTING SYSTEM TO THE NEW SYSTEM.
2. INSTALLED WATER LINES AND SERVICE LINES SHALL BE INSPECTED, TESTED, AND APPROVED IN EACH PHASE BEFORE RECONNECTION OF EXISTING SERVICES TO BEGIN.
3. THE TRANSFER OF WATER SERVICES, AND RECONNECTION TO EXISTING WATER METERS SHALL BE COMPLETED AND OPERATIONAL IN EACH PHASE BEFORE CUT, PLUG, AND ABANDON OF EXISTING WATER LINES ARE TO OCCUR.
4. CONTRACTOR CAN CONTINUE TO INSTALL PROP WATER LINES IN THE NEXT PHASE WHILE RECONNECTION OF NEW SERVICE LINES TO THE EXISTING METERS IS ONGOING IN THE CURRENT PHASE.
5. CONTRACTOR TO REFERENCE WATER LINE PLAN AND PROFILE DRAWINGS FOR DECOMMISSION OF EXISTING GATE VALVES AFTER TRANSFER OF WATER SERVICE FROM EXISTING WATER LINES TO PROPOSED WATER LINES, AND CUT, PLUG, AND ABANDONMENT OF EXISTING WATER LINES HAVE BEEN COMPLETED.

FOR CONTINUATION SEE SHEET 20

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WATER LINE CONNECTION PHASING PLAN (SHEET 1 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 19 OF 318	

PLOTTED: 12/12/2025 1:50 PM

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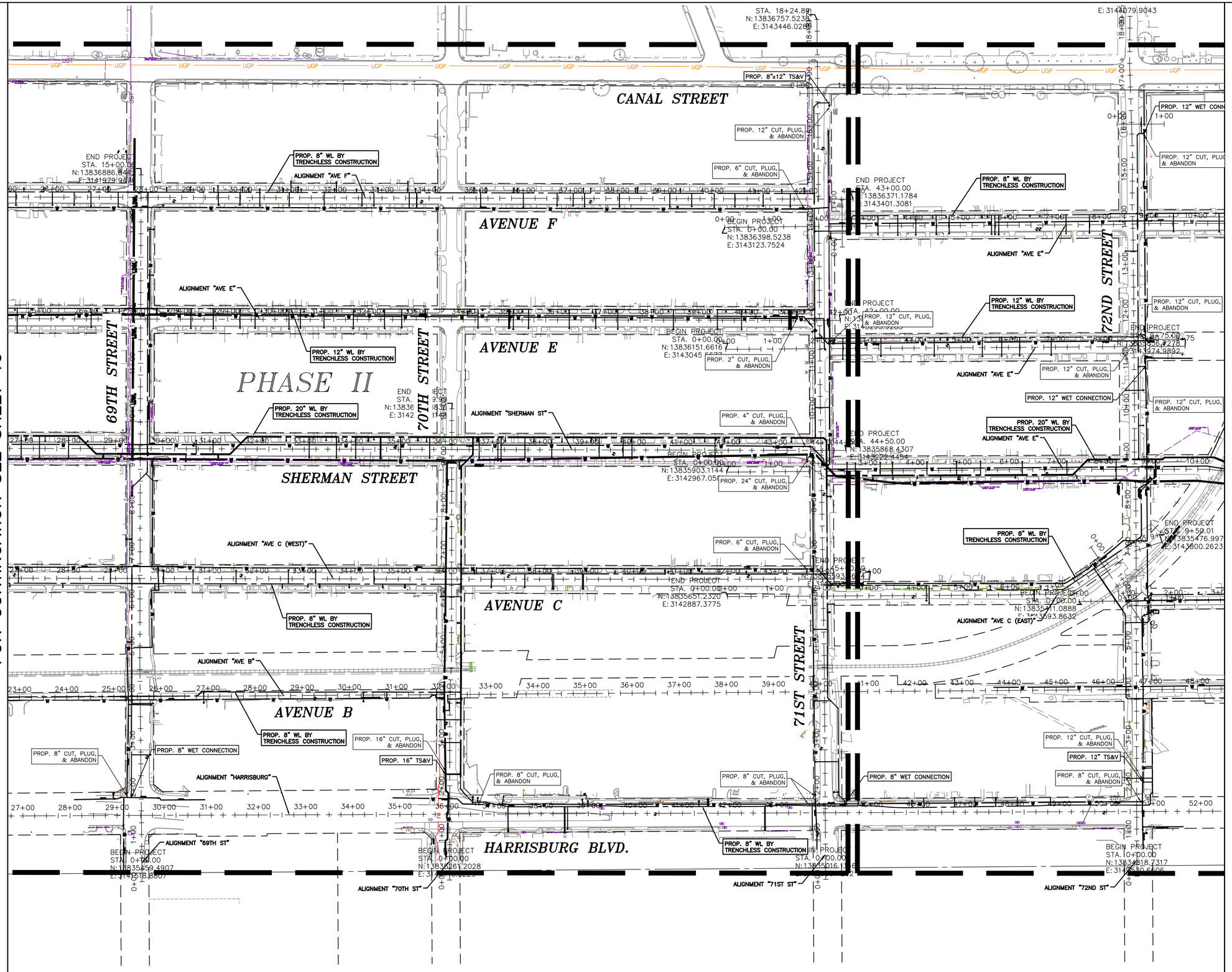
FOR CONTINUATION SEE SHEET 19

FOR CONTINUATION SEE SHEET 21



100' 0' 100'

SCALE 1"=100'

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

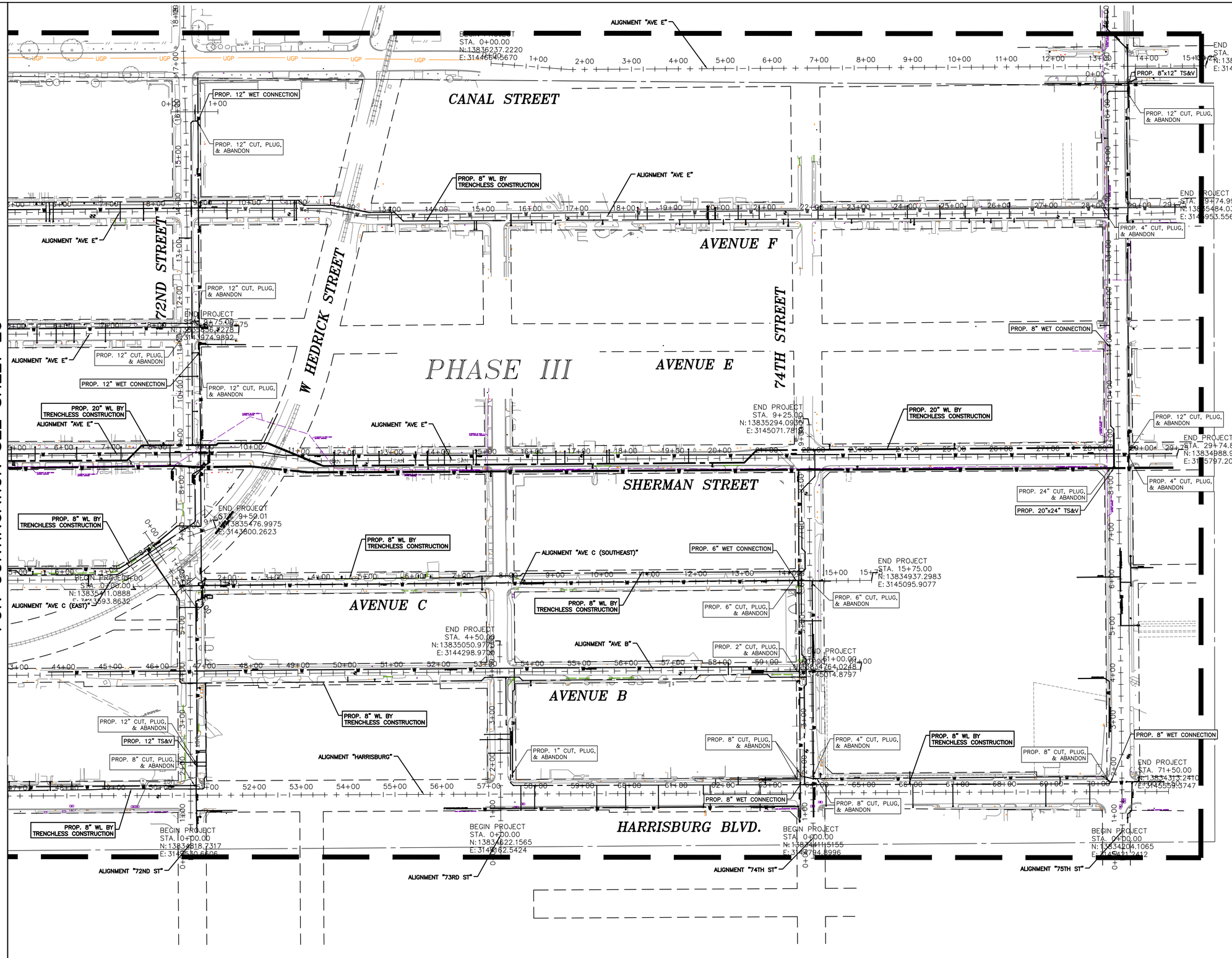
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WATER LINE CONNECTION PHASING PLAN (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 20 OF 318	

PLOTTED: 12/12/2025 1:52 PM

FOR CONTINUATION SEE SHEET 20



100' 0' 100'
SCALE 1"=100'

NO.	DATE	REVISION	APP.

NOTES:

1. THE INSTALLATION OF THE PROPOSED 8-IN, 12-IN, 16-IN, AND 20-IN WATER LINES ARE TO BE INSTALLED IN PHASES TO LIMIT THE DISRUPTION OF SERVICES TO EXISTING BUSINESSES AND RESIDENCES DURING CONSTRUCTION, AND THE TRANSFER OF WATER FROM THE EXISTING SYSTEM TO THE NEW SYSTEM.
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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

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713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WATER LINE CONNECTION PHASING PLAN (SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: NA	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 21 OF 318	

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PLOTTED: 12/12/2025 1:56 PM

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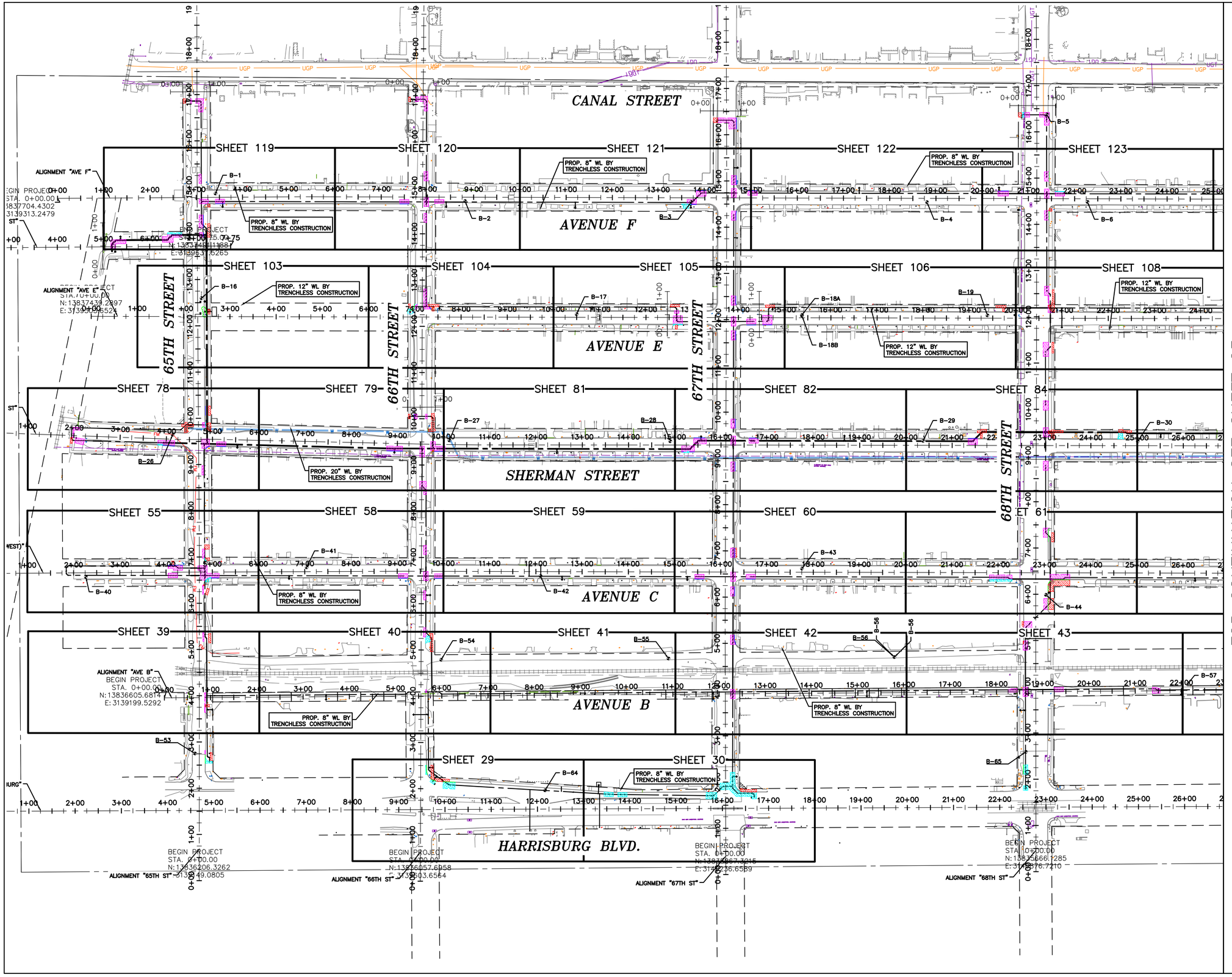

NO.	DATE	REVISION	APP.

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET LAYOUT
(SHEET 1 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 22 OF 318	

PLOTTED: 12/12/2025 1:59 PM

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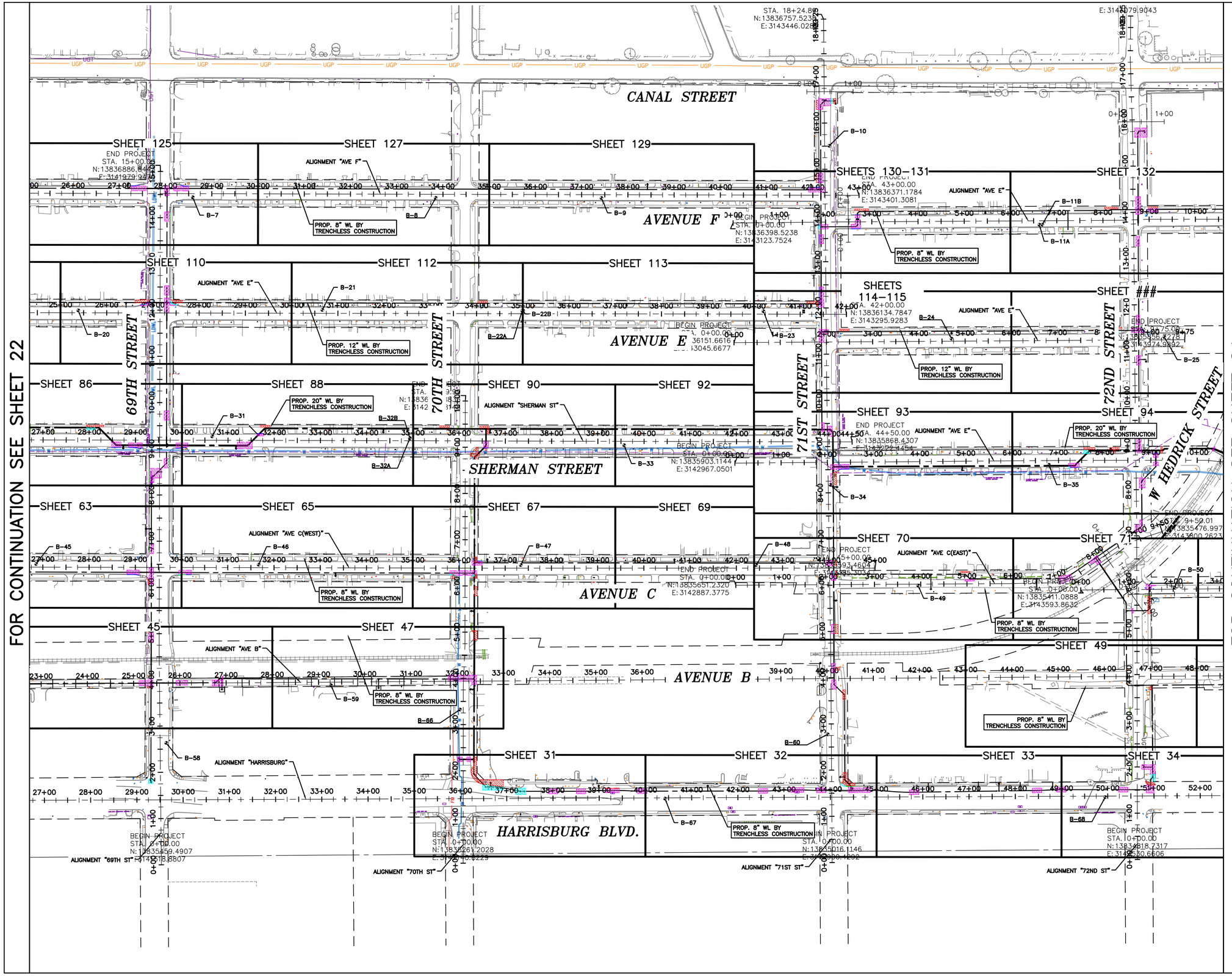

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

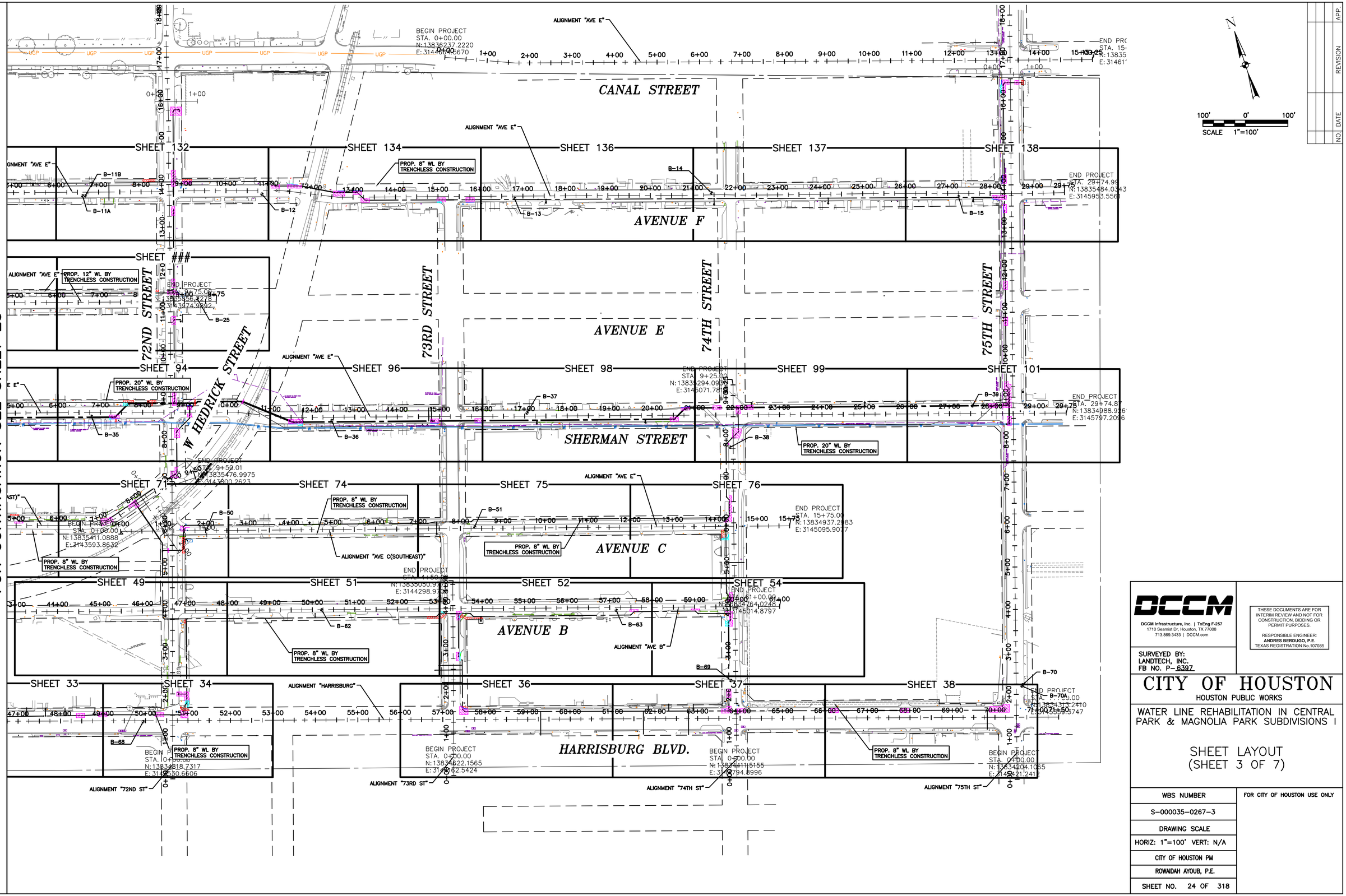
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET LAYOUT (SHEET 2 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 23 OF 318	



FOR CONTINUATION SEE SHEET 23

NO.	DATE	REVISION	APP.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET LAYOUT
(SHEET 3 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 24 OF 318	

PLOTTED: 12/12/2025 2:01 PM

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PLOTTED: 12/12/2025 2:02 PM

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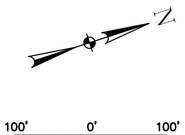
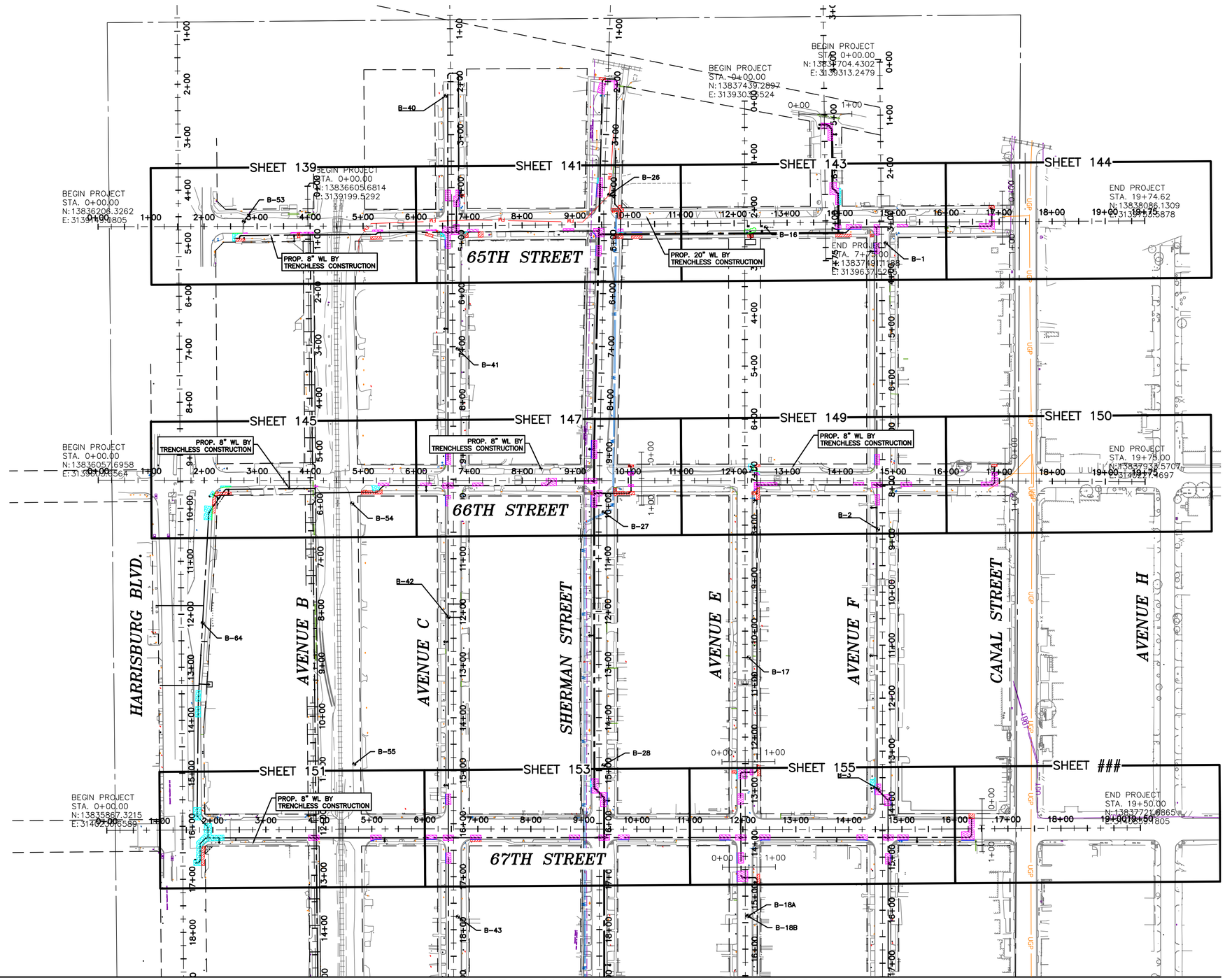
NO.	DATE	REVISION	APP.





FOR CONTINUATION SEE SHEET 26

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

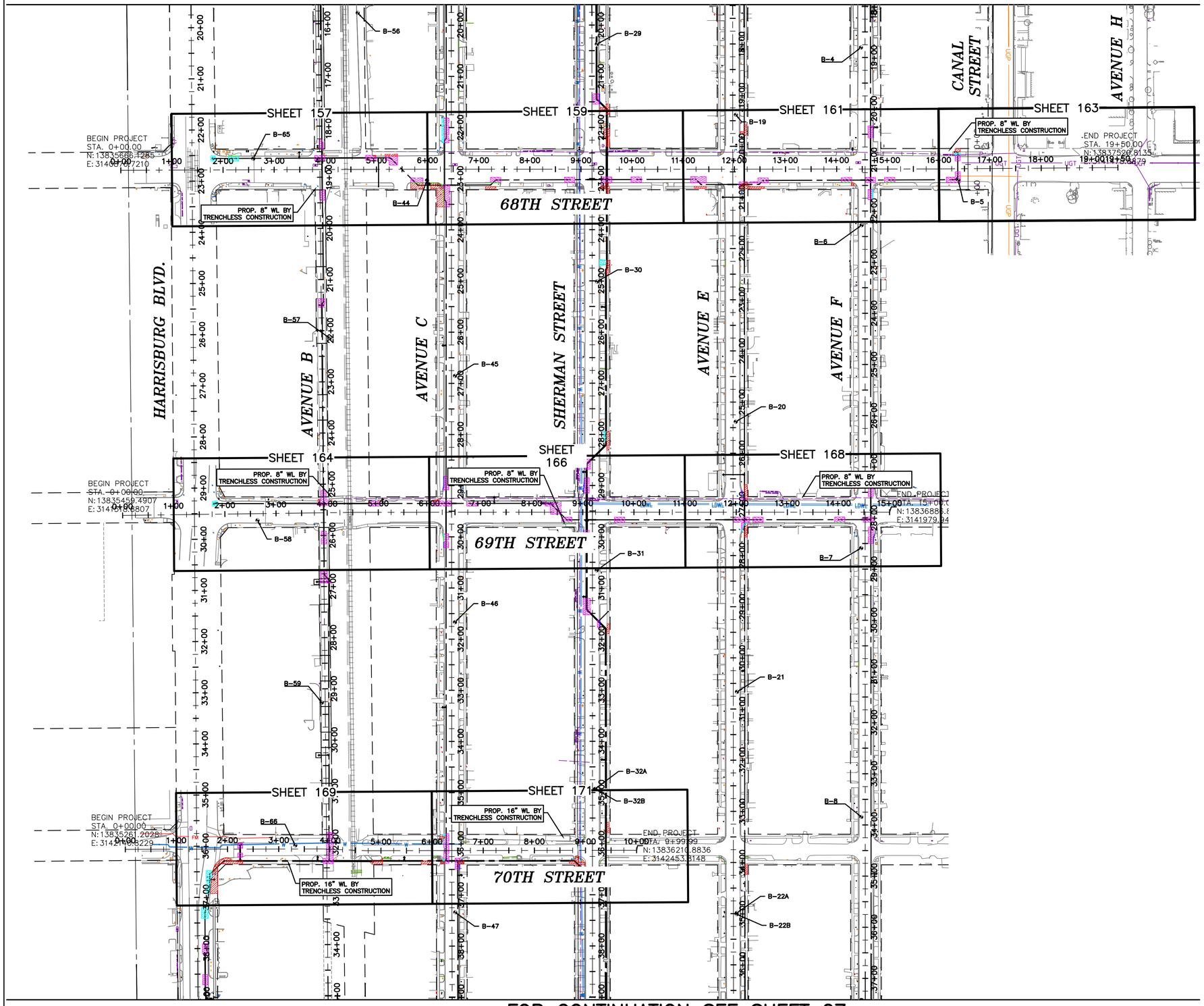
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET LAYOUT
(SHEET 4 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 25 OF 318	

PLOTTED: 12/12/2025 2:08 PM

FOR CONTINUATION SEE SHEET 25



FOR CONTINUATION SEE SHEET 27

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

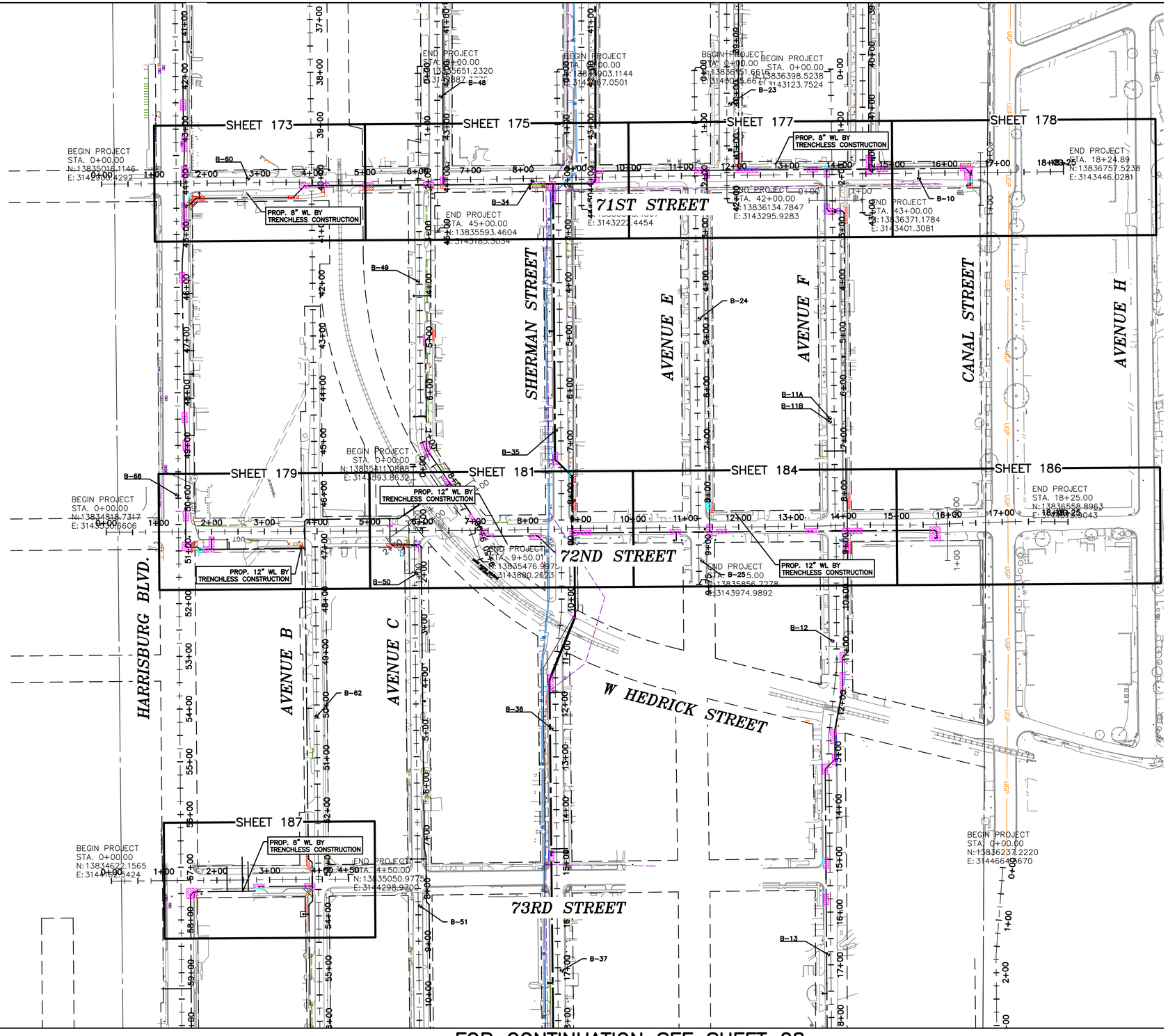
SHEET LAYOUT
(SHEET 5 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 26 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-SHEET-LAYOUT.dwg

PLOTTED: 12/12/2025 2:16 PM

FOR CONTINUATION SEE SHEET 26



FOR CONTINUATION SEE SHEET 28

100' 0' 100'
SCALE 1"=100'

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET LAYOUT
(SHEET 6 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 27 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-SHEET-LAYOUT.dwg

PLOTTED: 12/12/2025 2:24 PM

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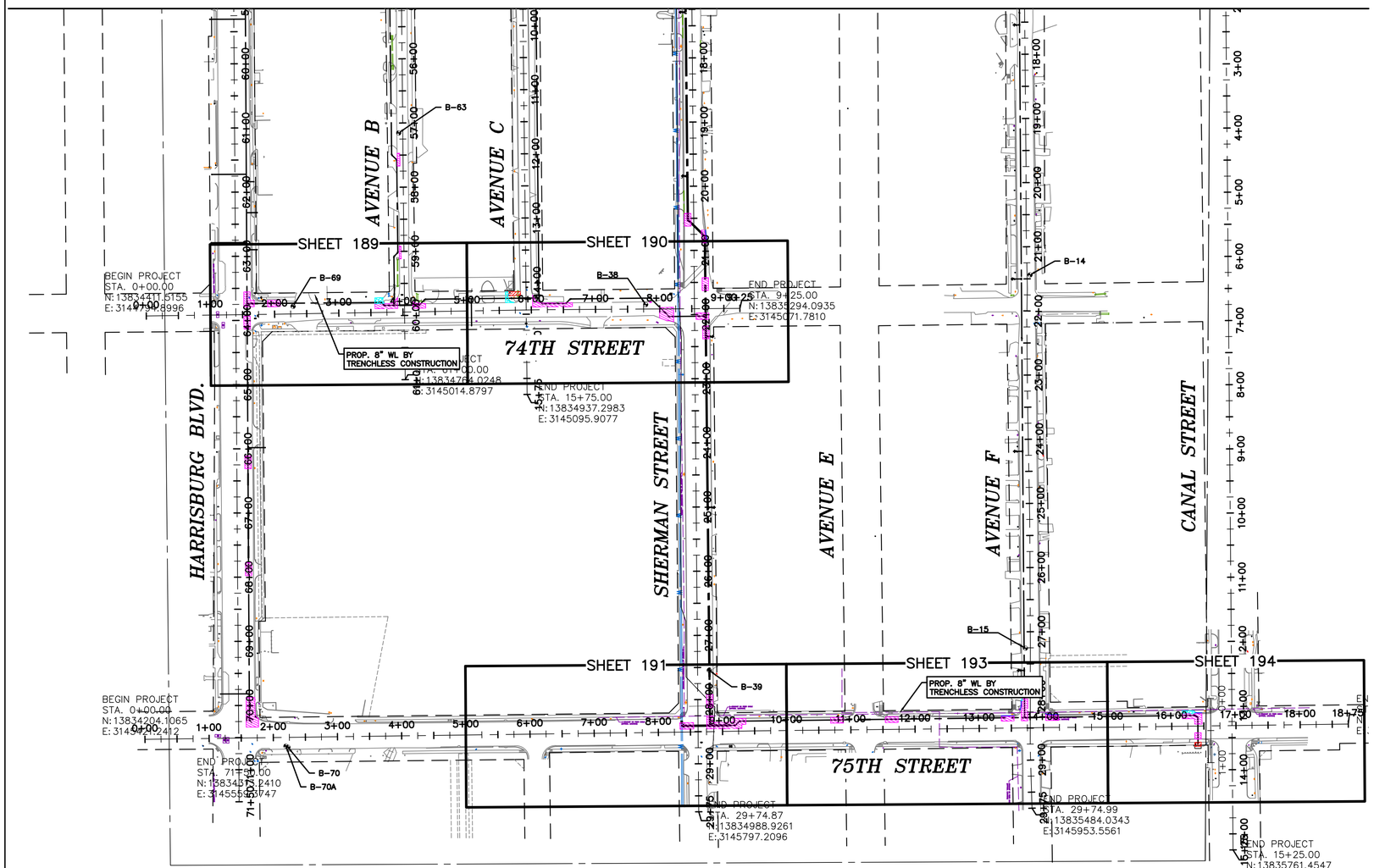
NO.	DATE	REVISION	APP.

100' 0' 100'
SCALE 1"=100'

FOR CONTINUATION SEE SHEET 27



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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

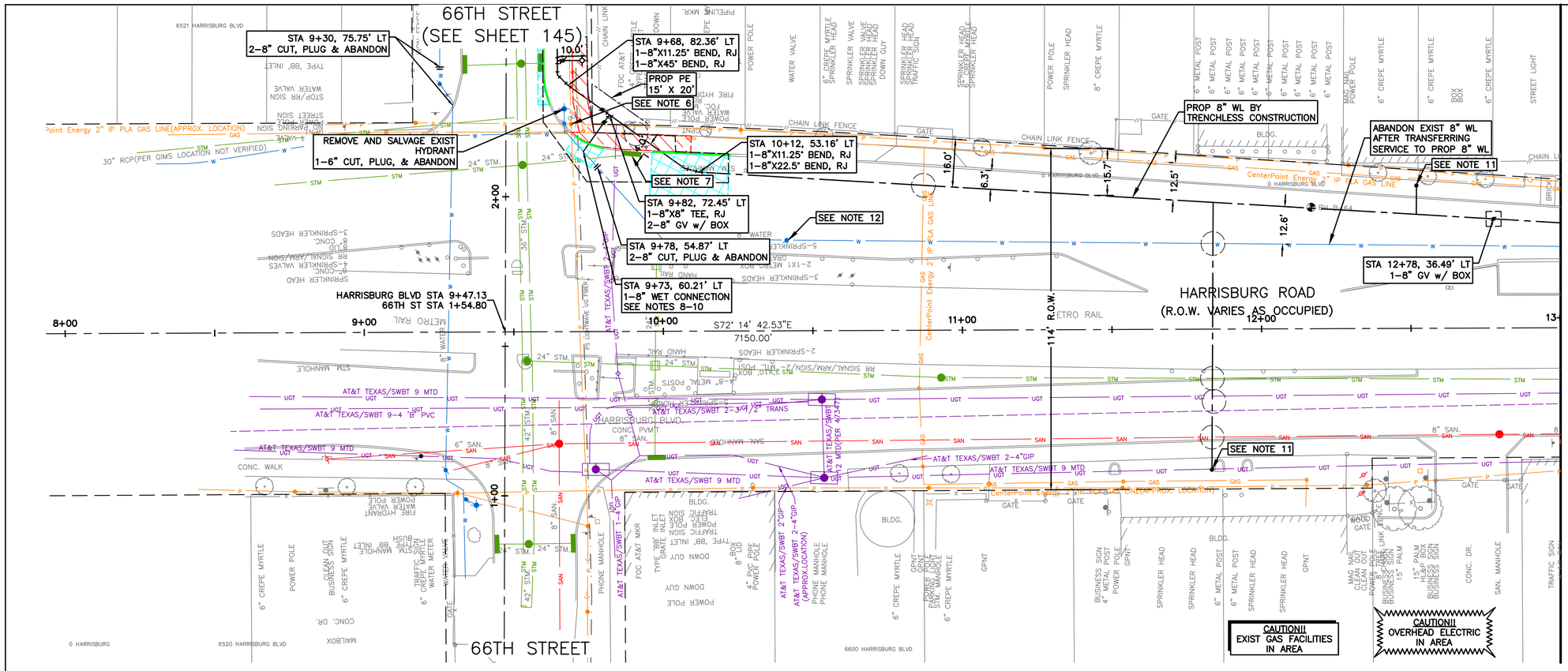
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHEET LAYOUT (SHEET 7 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 28 OF 318	

PLOTTED: 12/12/2025 5:01 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-1.dwg



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

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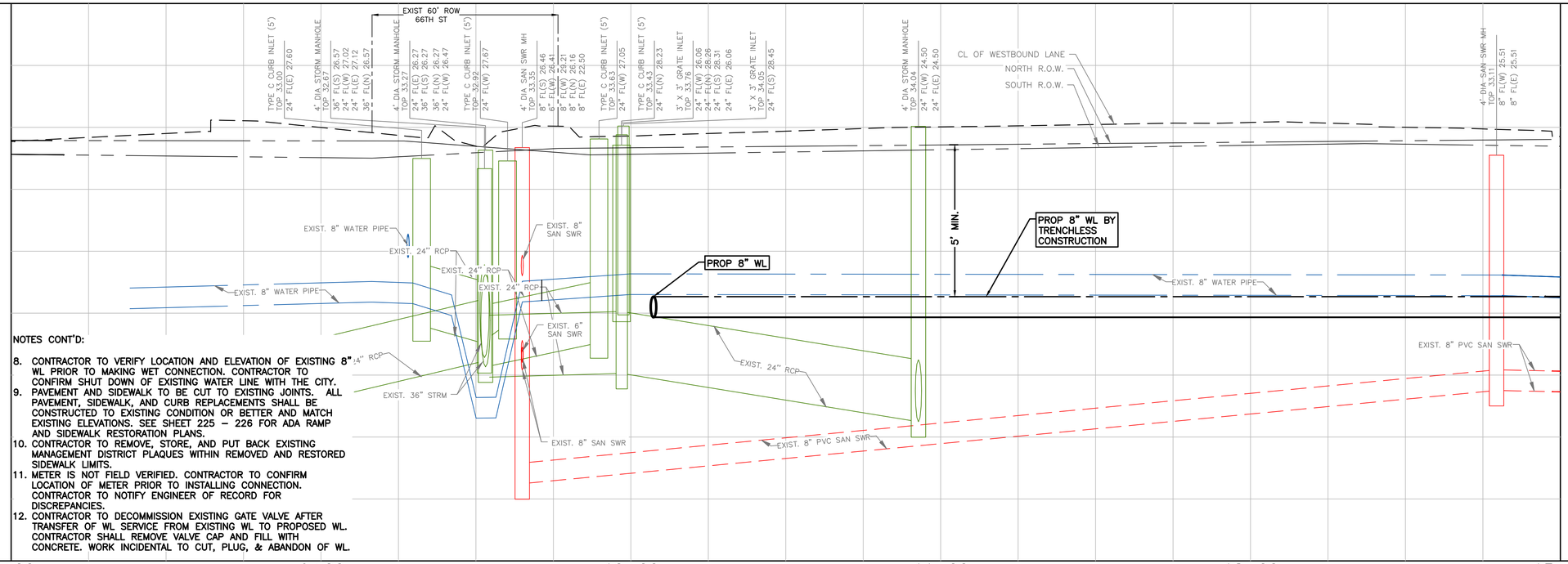

NOTES CONT'D:

8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO REMOVE, STORE, AND PUT BACK EXISTING MANAGEMENT DISTRICT PLAQUES WITHIN REMOVED AND RESTORED SIDEWALK LIMITS.
11. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
12. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN AND PROFILE
STA. 8+00 TO STA. 13+00
(SHEET 1 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 29 OF 318	

PLOTTED: 12/12/2025 5:03 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-1.dwg

MATCH LINE STA 13+00
(SEE SHEET 29)

HARRISBURG ROAD
(R.O.W. VARIES AS OCCUPIED)

84' R.O.W.

METRO R.O.W.

S72° 14' 42.53"E
7150.00'

67TH STREET
(SEE SHEET 151)

67TH STREET

HARRISBURG BLVD

PROP WLE
10' X 10'

STA 13+32, 33.10' LT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

ABANDON EXIST 8" WL
AFTER TRANSFERRING
SERVICE TO PROP 8" WL

SEE NOTE 7

PROP 8" WL BY
TRENCHLESS CONSTRUCTION

STA 15+81, 27.52' LT
1–8"X45° BEND, RJ

STA 16+02, 47.81' LT
1–8"X45° BEND, RJ

SEE NOTE 7

STA 16+22, 47.85' LT
1–8"X8" TEE, RJ
2–8" GV w/ BOX
1–8"X45° BEND, RJ

STA 16+33, 32.81' LT
1–8"X45° BEND, RJ

PROP PE
15' X 15'

SEE NOTE 6

STA 16+69, 32.36' LT
1–8"X45° BEND, AB

STA 16+69, 23.30' LT
1–8"X8" TS&V

STA 16+00, 21.71' LT
2–8" CUT, PLUG & ABANDON
SEE NOTE 11

SEE NOTE 10

HARRISBURG BLVD STA 16+07.07
67TH ST STA 1+43.08

CAUTION!!
EXIST GAS FACILITIES
IN AREA

CAUTION!!
OVERHEAD ELECTRIC
IN AREA

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING CONNECTION.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
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NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

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1710 Seamist Dr, Houston, TX 77008
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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN AND PROFILE
STA. 13+00 TO STA. 18+00
(SHEET 2 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 30 OF 318	

CL OF WESTBOUND LANE
NORTH R.O.W.
SOUTH R.O.W.

EXIST. 24" STRM
EXIST. 8" WATER PIPE
EXIST. 18" RCP
EXIST. 8" PVC SAN SWR
EXIST. 24" RCP
EXIST. 8" SAN SWR

PROP 6" F.H. LEAD

STA 13+61
1–8"X45° BEND, RJ

STA 13+64
1–8"X45° BEND, RJ

STA 13+74
1–8"X45° BEND, RJ

STA 13+77
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
26 LF

PROP 8" WL BY
TRENCHLESS CONSTRUCTION

5' MIN.

2' MIN.

STA 15+79
1–8"X45° BEND, RJ

STA 15+81
1–8"X45° BEND, RJ

1' MIN. CLR.

PROP 8" WL

STA 16+48
1–8"X45° BEND, RJ

STA 16+50
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
95 LF

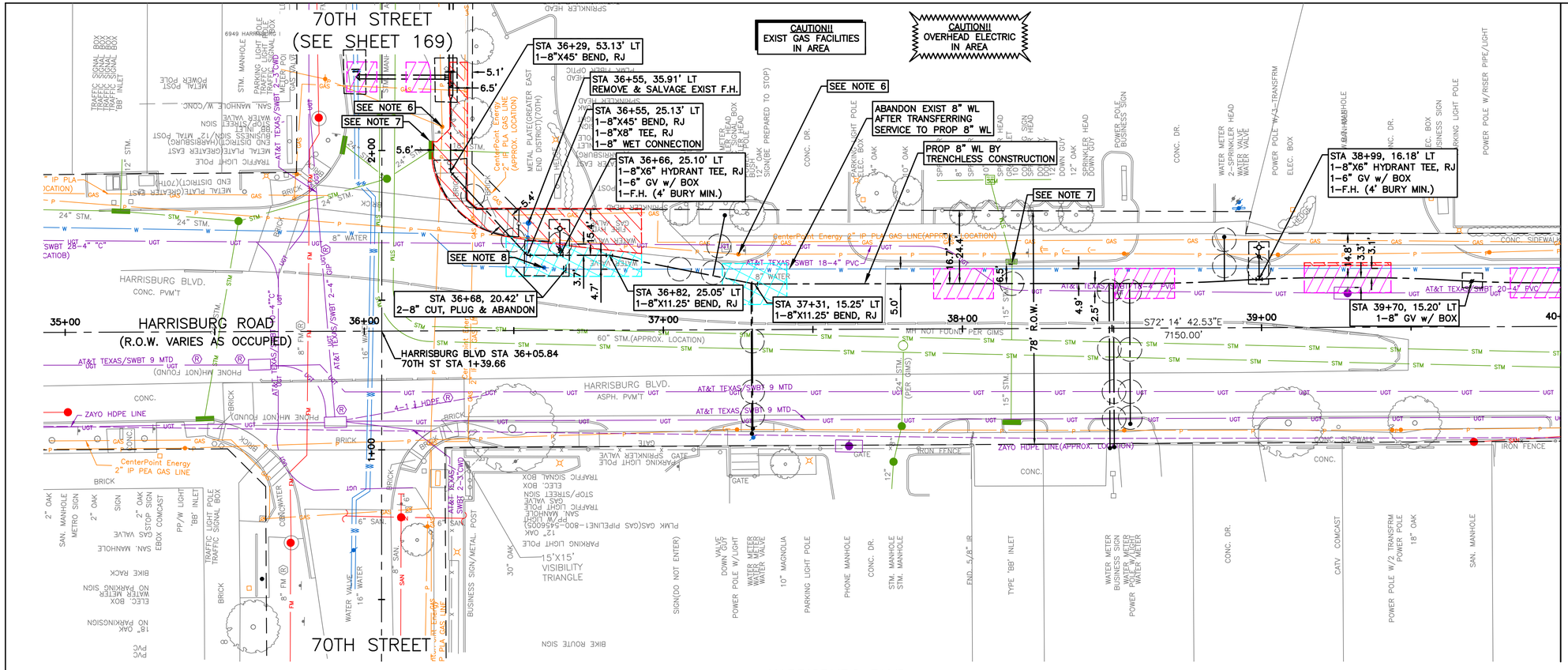
EXIST. 60' ROW
67TH ST

13+00 14+00 15+00 16+00 17+00 18+00

20 22 24 26 28 30 32 34 36

PLOTTED: 12/12/2025 5:05 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-1.dwg



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

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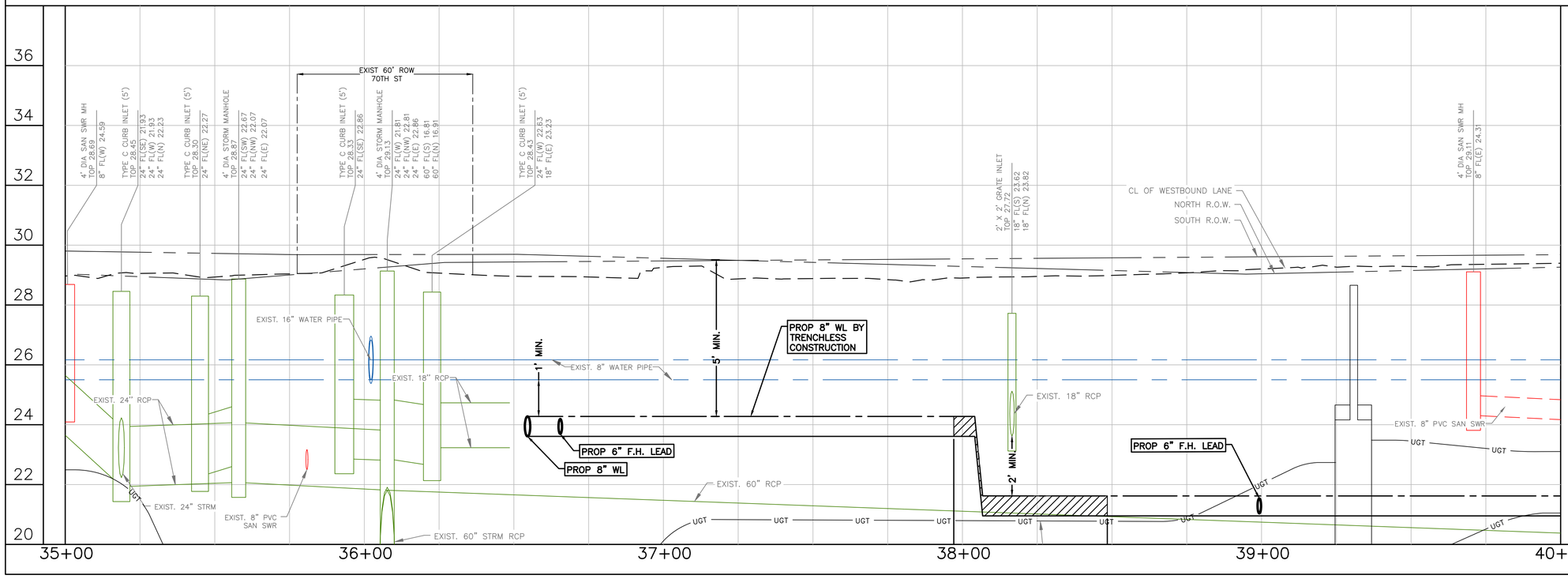

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN AND PROFILE
STA. 35+00 TO STA. 40+00
(SHEET 3 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 31 OF 318	

PLOTTED: 12/12/2025 5:07 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-1.dwg

MATCH LINE STA 40+00 (SEE SHEET 31)

MATCH LINE STA 45+00 (SEE SHEET 33)

71ST STREET (SEE SHEET 173)

71ST STREET

HARRISBURG ROAD (60' R.O.W.)

HARRISBURG BLVD

HARRISBURG BLVD

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 41+39, 14.41' LT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

SEE NOTE 7

STA 42+23, 14.07' LT
1–8" GV w/ BOX

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 43+69, 18.30' LT
2–8" CUT, PLUG & ABANDON

STA 43+82, 18.45' LT
2–8" CUT, PLUG & ABANDON

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

SEE NOTE 6

PROP PE 10' X 10'

STA 44+44, 24.50' LT
1–8"X45° BEND, RJ

STA 44+44, 14.65' LT
1–8"X8" TEE, RJ
2–8" GV w/ BOX

SEE NOTE 7

HARRISBURG BLVD STA 44+02.97
71ST ST STA 1+41.44

69' R.O.W.

S72° 14' 42.53"E
7150.00'

15'X15' VISIBILITY TRIANGLE

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

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4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN AND PROFILE
STA. 40+00 TO STA. 45+00
(SHEET 4 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 32 OF 318	

PLOTTED: 12/12/2025 1:04 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-1.dwg

ANR COMPANY'S PROPERTY
93 PAGE 483 H.C.D.R.

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

7121 HARRISBURG BLVD

7125 HARRISBURG BLVD

7129 HARRISBURG BLVD

MATCH LINE STA 45+00 (SEE SHEET 32)

MATCH LINE STA 49+00 (SEE SHEET 34)

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 47+65, 11.94' LT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

STA 47+60, 11.89' LT
1-8" GV w/ BOX

SEE NOTE 8

SEE NOTE 7

HARRISBURG ROAD
(60' R.O.W.)

BLVD.

S72° 14' 42.53"E
7150.00'

68' R.O.W.

4.0'

19.9'

10.4'

7.7'

PARKING

CHAIN LINK FENCE

1 STORY STUCCO BLDG. ON CONC.

1 STORY SHEET METAL BLDG. ON CONC.

3 STORY BRICK BLDG. ON CONC.

1 STORY CONC. BLDG.

CONC. WALK

ASPH.

5' IRON FENCE

AT&T TEXAS/SWBT 9 MTD

AT&T TEXAS/SWBT 4-3 1/2"CIP

AT&T TEXAS/SWBT 20 PVC

8" SAN.

STM.

15" STM.

CONC. DR.

14" OAK

TRAFFIC LIGHT POLE

SAN. MANHOLE

POWER POLE METER

FOC BOX

POWER POLE

16" OAK

PHONE MANHOLE

12" OAK

TOWING SIGN

7118 HARRISBURG BLVD

HARRISBURG BLVD

45+00 46+00 47+00 48+00 49+00

20' 0' 20'
SCALE 1"=20'

N

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN AND PROFILE
STA. 45+00 TO STA. 49+00
(SHEET 5 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 33 OF 318	

4" DIA SAN SWR MH TOP 29.93 8" FL(W) 26.40 8" FL(E) 26.40

4" DIA SAN SWR MH TOP 29.78 6" FL(W) 28.09 8" FL(E) 28.09

TYPE C CURB INLET (5') TOP 30.01 18" FL(S) 26.51

4" DIA STORM MANHOLE TOP 30.06 18" FL(N) 25.31 18" FL(W) 25.46 21" FL(E) 23.66

CL OF WESTBOUND LANE
NORTH R.O.W.
SOUTH R.O.W.

EXIST. 6" PVC SAN SWR

EXIST. 8" PVC SAN SWR

EXIST. 18" STRM

EXIST. 8" WATER PIPE

PROP 8" WL BY TRENCHLESS CONSTRUCTION

PROP 6" F.H. LEAD

5' MIN.

2' MIN.

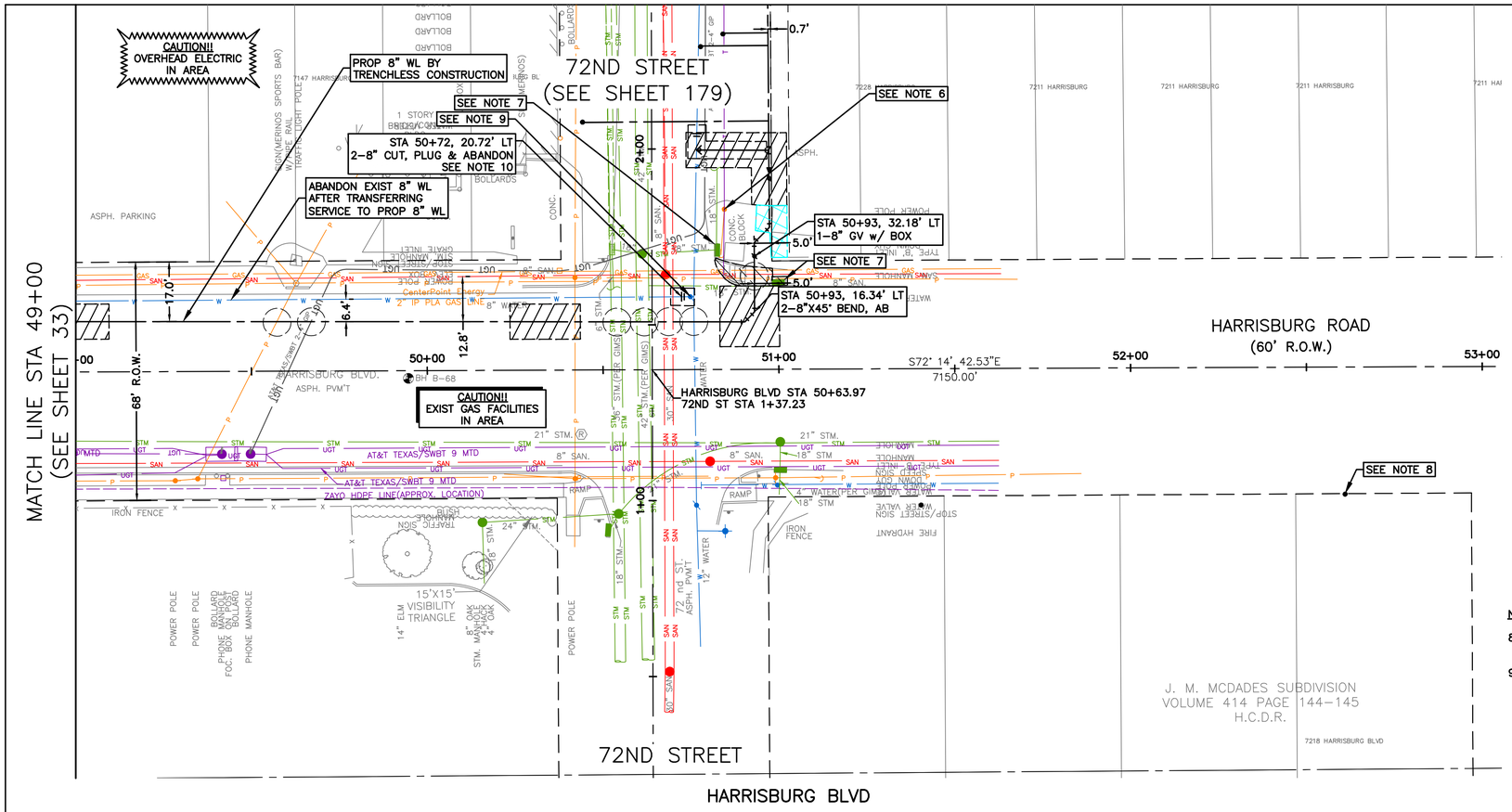
EXIST 18 – 4" 'C' PVC

EXIST 9 – 4" 'C' PVC

EXIST. 24" RCP

36 34 32 30 28 26 24 22 20

45+00 46+00 47+00 48+00 49+00 50+00



SEE SHEET 35
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
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NOTES CONT'D:

8. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD OF DISCREPANCIES.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WL.

NO.	DATE	REVISION	APP.

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FB NO. P-6397

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ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN VIEW
STA. 49+00 TO STA. 53+00
(SHEET 6 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 34 OF 318	

PLOTTED: 12/12/2025 1:05 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-2.dwg

PLOTTED: 12/12/2025 1:06 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-2.dwg

SEE SHEET 34
FOR PLAN VIEW

EXIST 60' ROW
72ND ST

3'X 3' GRATE INLET
TOP 30.31
18" FL(SE) 25.90
18" FL(N) 27.20
36" FL(E) 24.50
6" FL(S) 28.40

4' DIA STORM MANHOLE
TOP 30.54
42" FL(S) 19.61
18" FL(E) 25.75
42" FL(N) 19.61
18" FL(NW) 25.75

4' DIA SAN SWR MH
TOP 30.54
8" FL(W) 27.15
8" FL(E) 26.96
8" FL(N) 27.05

TYPE C CURB INLET (5')
TOP 30.22
18" FL(N) 28.62
18" FL(W) 27.52

TYPE C CURB INLET (5')
TOP 30.28
18" FL(W) 27.10

CL OF WESTBOUND LANE
NORTH R.O.W.
SOUTH R.O.W.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

EXIST. 8" PVC SAN SWR

EXIST. 8" WATER PIPE

EXIST. 8" PVC SAN SWR

EXIST. 24" RCP

5' MIN.

1' MIN.

EXIST. 18" STRM

EXIST. 8" SAN SWR

EXIST. 18" STRM

EXIST. 18" STRM

EXIST. 18" RCP

EXIST. 12" WATER PIPE

EXIST. 4" WATER PIPE

EXIST. 8" PVC SAN SWR

EXIST. 8" PVC SAN SWR

EXIST. 24" RCP

EXIST. 42" STRM RCP

EXIST. 36" STRM RCP

2' MIN.

2' MIN.

1' MIN.

PROP 8" WL

LIMITS OF RESTRAINED JOINTS
63 LF

49+00 50+00 51+00 52+00 53+00 54+00

NO.	DATE	REVISION	APP.

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HARRISBURG BLVD
PROFILE VIEW
STA. 49+00 TO STA. 53+00
(SHEET 7 OF 10)

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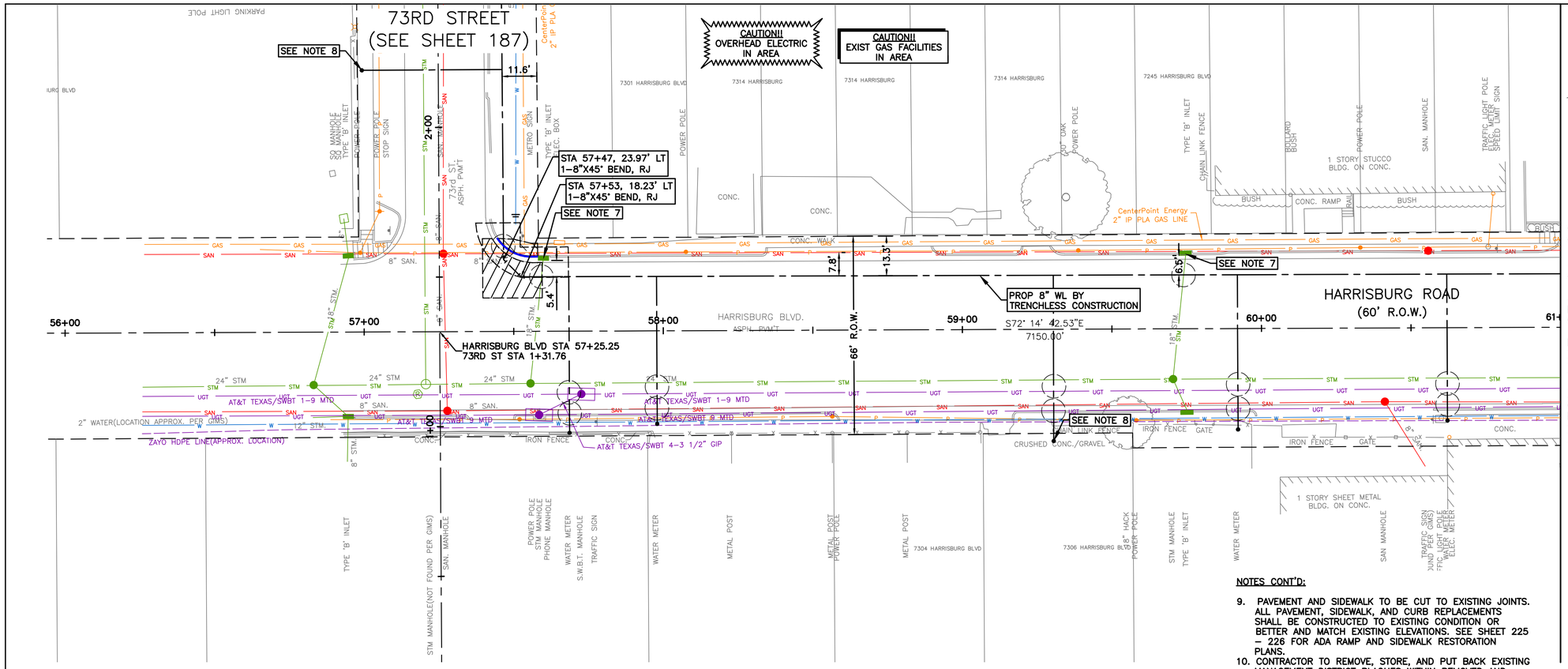

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO REMOVE, STORE, AND PUT BACK EXISTING MANAGEMENT DISTRICT PLAQUES WITHIN REMOVED AND RESTORED SIDEWALK LIMITS.

NO.	DATE	REVISION	APP.

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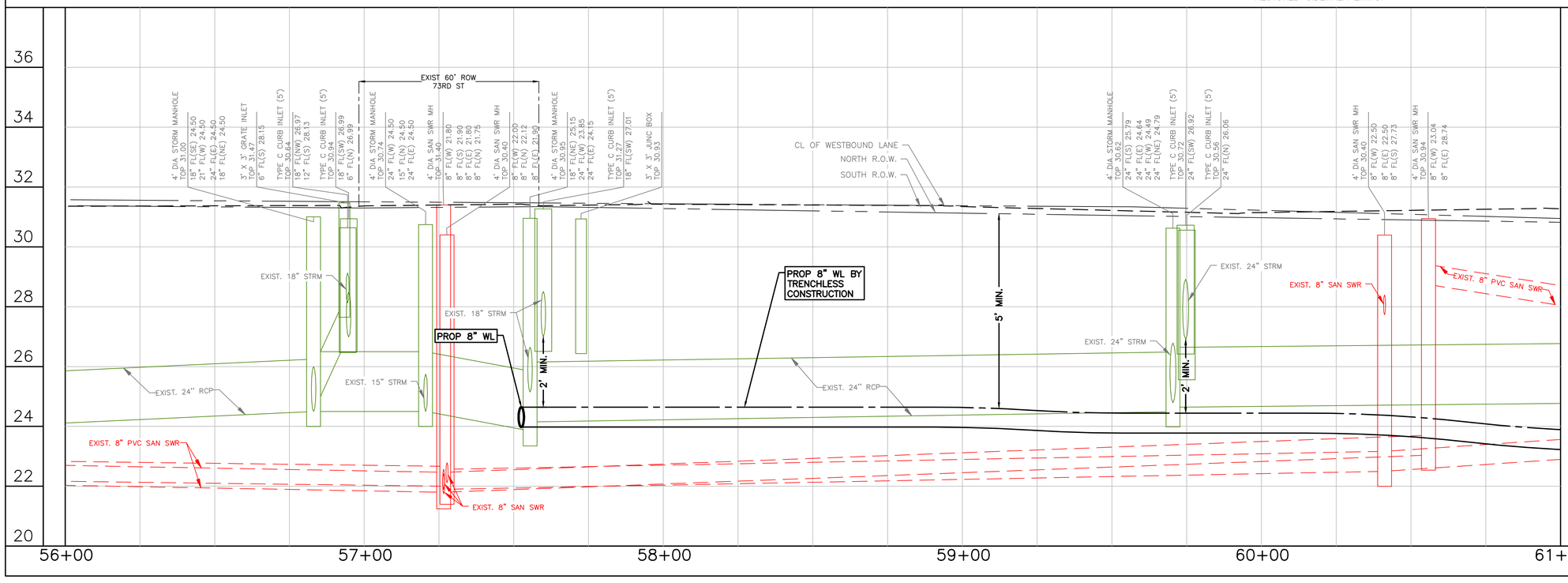

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HARRISBURG BLVD
PLAN AND PROFILE
STA. 56+00 TO STA. 61+00
(SHEET 8 OF 10)

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SHEET NO. 36 OF 318	

PLOTTED: 12/12/2025 1:07 PM

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MATCH LINE STA 61+00 (SEE SHEET 36)

MATCH LINE STA 66+00 (SEE SHEET 38)

74TH STREET (SEE SHEET 189)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 63+74, 17.58' LT 1-8"X8" TEE, AB 2-8" GV w/ BOX

STA 63+63, 29.94' LT 2-8" CUT, PLUG & ABANDON

SEE NOTE 7

SEE NOTE 6

SEE NOTE 9

REMOVE & SALVAGE EXIST. F.H.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

HARRISBURG BLVD STA 63+91.08
74TH ST STA 1+39.53

HARRISBURG ROAD (60' R.O.W.)

S72° 14' 42.53"E 7150.00'

5' ENTEX ESMT. F.N. M813437 H.C.O.P.R.R.P.

71' R.O.W.

74TH ST

BLOCK 2
DR. W. SCHMOELLER'S ADDITION
VOLUME 514 PAGE 492-493 H.C.D.R.

HARRISBURG BLVD

SCALE 1"=20'

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NOTES CONT'D:

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NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD PLAN AND PROFILE STA. 61+00 TO STA. 66+00 (SHEET 9 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 37 OF 318	

EXIST 60' ROW 74TH ST

CL OF WESTBOUND LANE
NORTH R.O.W.
SOUTH R.O.W.

EXIST. 24" RCP
EXIST. 8" WATER PIPE
EXIST. 18" RCP
EXIST. 18" STRM
EXIST. 18" STRM
EXIST. 4" WATER PIPE
EXIST. 8" WATER PIPE
EXIST. 8" PVC SAN SWR
EXIST. 8" SAN SWR
EXIST. 8" PVC SAN SWR
EXIST. 8" PVC SAN SWR

PROP 8" WL BY TRENCHLESS CONSTRUCTION

5' MIN.
2' MIN.
2' MIN.
1' MIN.
2' MIN.

PROP 8" WL
LIMITS OF RESTRAINED JOINTS
42 LF

61+00 62+00 63+00 64+00 65+00 66+00

PLOTTED: 12/12/2025 1:08 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - HARRISBURG-2.dwg

MATCH LINE STA 66+00
(SEE SHEET 37)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 70+27, 20.48' LT
1-8" WET CONNECTION
1-8"X45° BEND, RJ

STA 70+18, 27.02' LT
2-8" CUT, PLUG & ABANDON

SEE NOTE 7

STA 70+15, 16.91' LT
1-8" GV w/ BOX

SEE NOTE 6

5' ENTEX ESMT.
F.N. M813437
H.C.O.P.R.R.P.

CenterPoint Energy 8" IP STL GAS LINE (APPROX LOCATION)

HARRISBURG ROAD
(60' R.O.W.)

HARRISBURG BLVD. ASPH. PVMT

75TH STREET

HARRISBURG BLVD STA 70+50.75
75TH ST STA 1+46.06

S72° 14' 42.53"E
7150.00'

79' R.O.W.

25.3'

11.2'

6.5'

5.0'

BLOCK 7
EXTENSION NO. 1 DR. W. SCHMOELLER'S ADDITION
VOLUME 557 PAGE 58 H.C.D.R.

BLOCK 1
MAGNOLIA TERRACE
VOLUME 572 PAGE 293 H.C.D.R.

HARRISBURG BLVD

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING CONNECTION.

NO.	DATE	REVISION	APP.

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

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(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRISBURG BLVD
PLAN AND PROFILE
STA. 66+00 TO STA. 71+00
(SHEET 10 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 38 OF 318	

PROP 8" WL BY TRENCHLESS CONSTRUCTION

PROP 8" WL BY TRENCHLESS CONSTRUCTION

PROP 8" WET CONNECTION

CL OF WESTBOUND LANE
NORTH R.O.W.
SOUTH R.O.W.

EXIST. 8" WATER PIPE
EXIST. 4" PVC SAN SWR
EXIST. 8" PVC SAN SWR
EXIST. 8" SAN SWR
EXIST. 4" SAN SWR
EXIST. 18" STRM
EXIST. 18" RCP
EXIST. 10" PVC SAN SWR
EXIST. 21" STRM
EXIST. 15" STRM
EXIST. 18" STRM
EXIST. 70' ROW 75TH ST

5' MIN.
2' MIN.

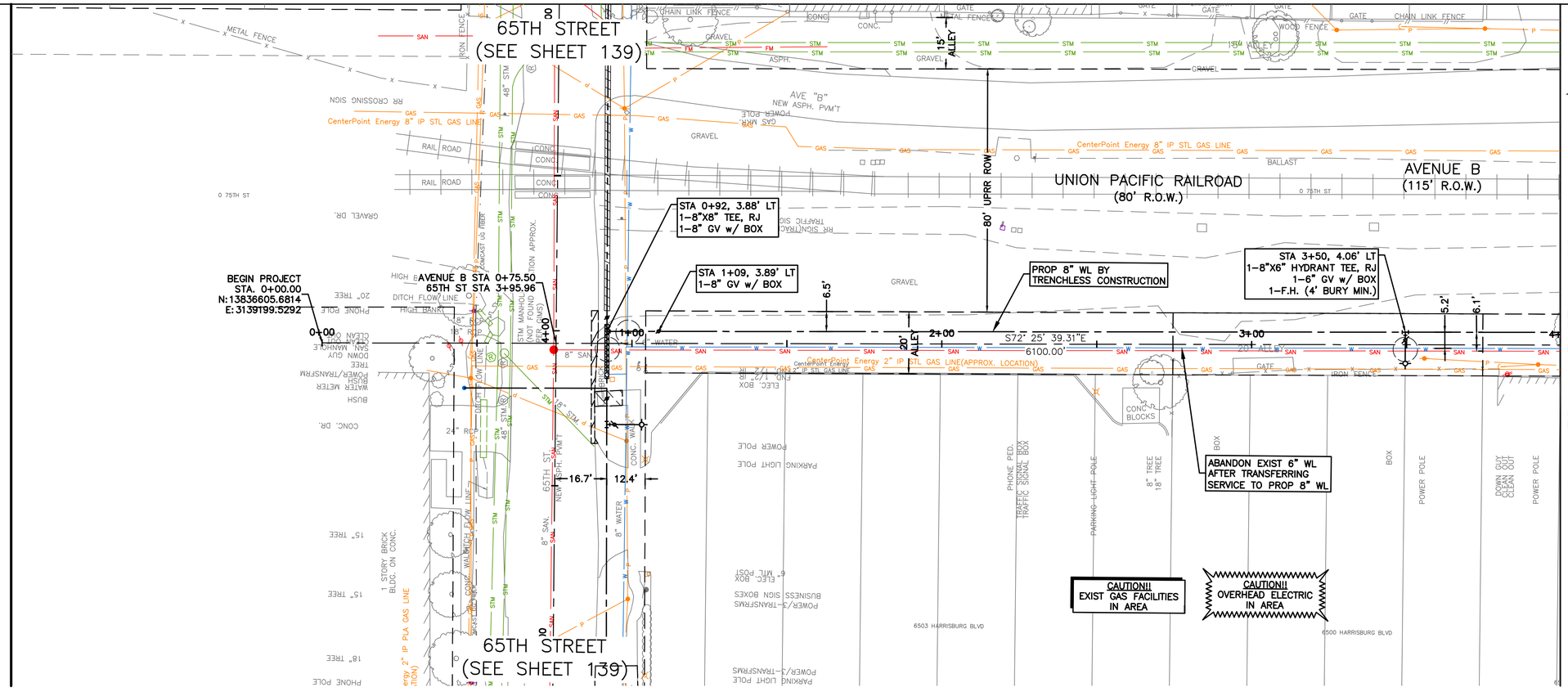
LIMITS OF RESTRAINED JOINTS 199 LF

LIMITS OF RESTRAINED JOINTS 45 LF

66+00 67+00 68+00 69+00 70+00 71+00

PLOTTED: 12/12/2025 1:09 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-1.dwg



MATCH LINE STA 4+00
(SEE SHEET 40)

20' 0' 20'
SCALE 1"=20'

NO.	DATE	REVISION	APP.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
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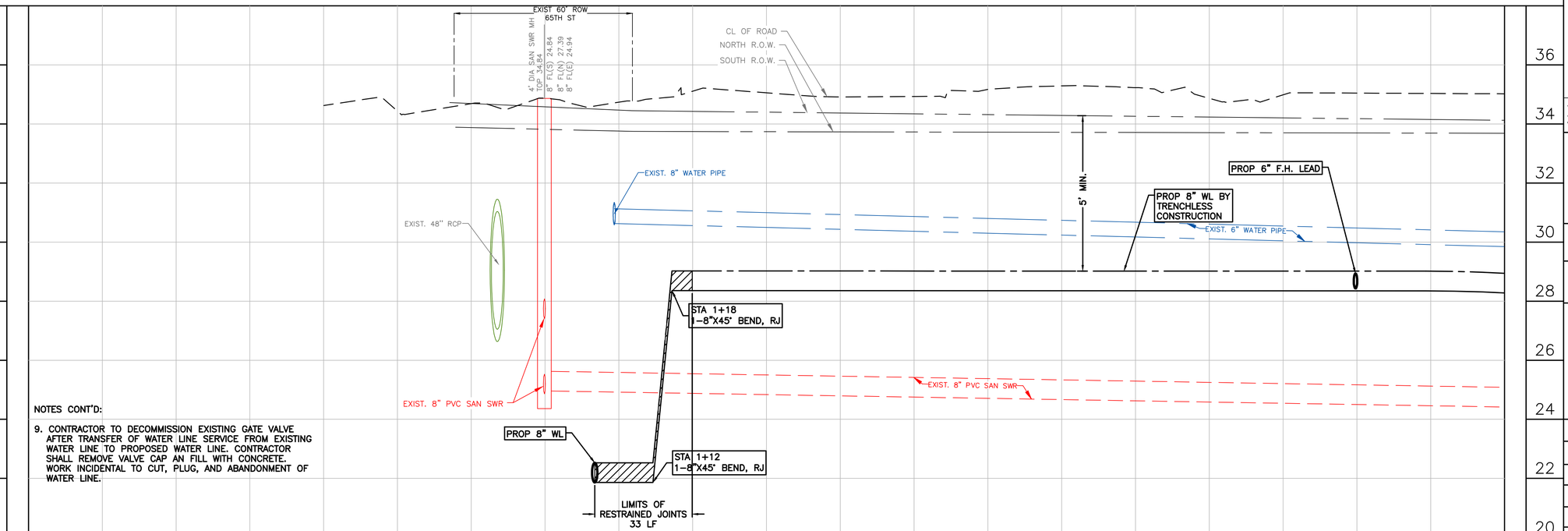

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AN FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDONMENT OF WATER LINE.

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VERIFICATION OF PRIVATE UTILITY LINES

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ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN AND PROFILE
STA. 0+00 TO STA. 4+00
(SHEET 1 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 39 OF 318	

PLOTTED: 12/12/2025 1:10 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-1.dwg

MATCH LINE STA 4+00 (SEE SHEET 39)

66TH STREET (SEE SHEET 145)

AVENUE B (115' R.O.W.)

UNION PACIFIC RAILROAD (80' R.O.W.)

80' UPRR ROW

MATCH LINE STA 8+00 (SEE SHEET 41)

AVENUE B STA 5+54.94
66TH ST STA 4+00.43

STA 5+27, 8.76' LT
1–8"X45° BEND, RJ

STA 5+23, 4.18' LT
1–8"X45° BEND, RJ

STA 5+79, 8.80' LT
1–8"X8" TEE, RJ
1–8" GV w/ BOX

STA 5+99, 3.82' LT
1–8"X45° BEND, RJ

PROP 8" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

STA 5+94, 8.80' LT
1–8"X45° BEND, RJ

STA 5+70, 8.79' LT
1–8"X8" TEE, AB
1–8" GV w/ BOX

SEE NOTE 7

SEE NOTE 6

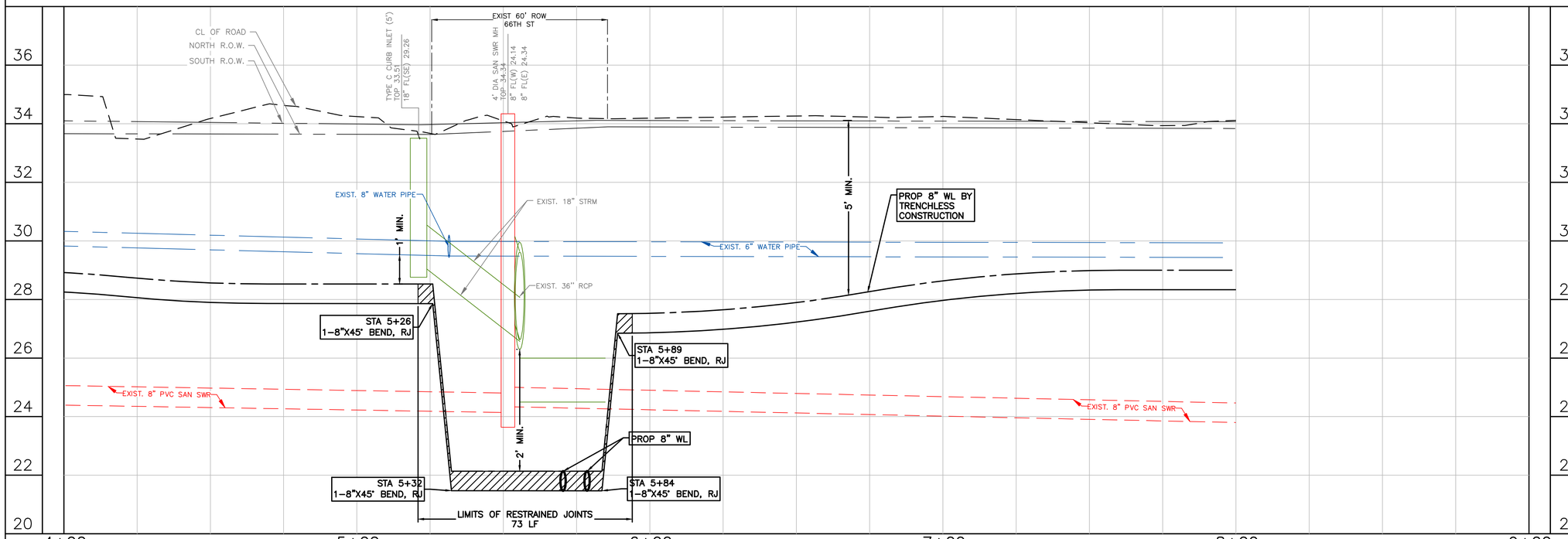
ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 5+32, 1.17' RT
2–6" CUT, PLUG & ABANDON

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

AVENUE B



20' 0' 20'
SCALE 1"=20'

N

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO REMOVE AND REPLACE EXISTING STORM SEWER. CONTRACTOR TO REDIRECT STORM SEWER DISCHARGE USING BYPASS PUMPS, MAINTAIN POSITIVE DRAINAGE, AND DRY EXCAVATED PIT DURING WATER LINE CONSTRUCTION OPERATION.

NOTES CONT'D:

8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN AND PROFILE
STA. 4+00 TO STA. 8+00
(SHEET 2 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 40 OF 318	

PLOTTED: 12/12/2025 1:10 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-1.dwg

MATCH LINE STA 8+00
(SEE SHEET 40)

MATCH LINE STA 13+00
(SEE SHEET 42)

67TH STREET
(SEE SHEET 151)

UNION PACIFIC RAILROAD
(80' R.O.W.)

AVENUE B
(115' R.O.W.)

80' UPRR R.O.W.

15' ALLEY

20' ALLEY

AVE "B"
NEW ASPH. PVM'T

BH B-55

CenterPoint Energy 8" IP STL GAS LINE

SEE NOTE 6

STA 9+10, 3.93' LT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

SEE NOTE 6

STA 11+87, 4.02' LT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

STA 12+29, 4.03' LT
1-8"X8" CROSS, RJ
2-8" GV w/ BOX

AVENUE B STA 12+13.36
67TH ST STA 3+90.79

PROP 8" WL BY
TRENCHLESS CONSTRUCTION

STA 11+95, 1.26' RT
2-6" CUT, PLUG & ABANDON

ABANDON EXIST 6" WL
AFTER TRANSFERRING
SERVICE TO PROP 8" WL

CAUTION!!
OVERHEAD ELECTRIC
IN AREA

CAUTION!!
EXIST GAS FACILITIES
IN AREA

6619 HARRISBURG BLVD
6623 HARRISBURG BLVD
6625 HARRISBURG BLVD
6629 HARRISBURG BLVD
6300 HARRISBURG BLVD

CESAR CHAVEZ BLVD.)
N 67TH STREET

AVENUE B

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
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9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

EXIST 60' ROW
67TH ST

4' DIA. SAN SWR MH
TOP 34.21
8" FL(W) 22.91
8" FL(E) 22.81

PROP 6" F.H. LEAD

5' MIN.

PROP 8" WL BY
TRENCHLESS
CONSTRUCTION

EXIST. 6" WATER PIPE

EXIST. 8" WATER PIPE

PROP 8" WL

STA 11+79
1-8"X45' BEND, RJ

STA 11+81
1-8"X45' BEND, RJ

PROP 6" F.H. LEAD

LIMITS OF RESTRAINED JOINTS
13 LF

EXIST. 8" PVC SAN SWR

36 34 32 30 28 26 24 22 20

8+00 9+00 10+00 11+00 12+00 13+00

NOTICE:

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NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

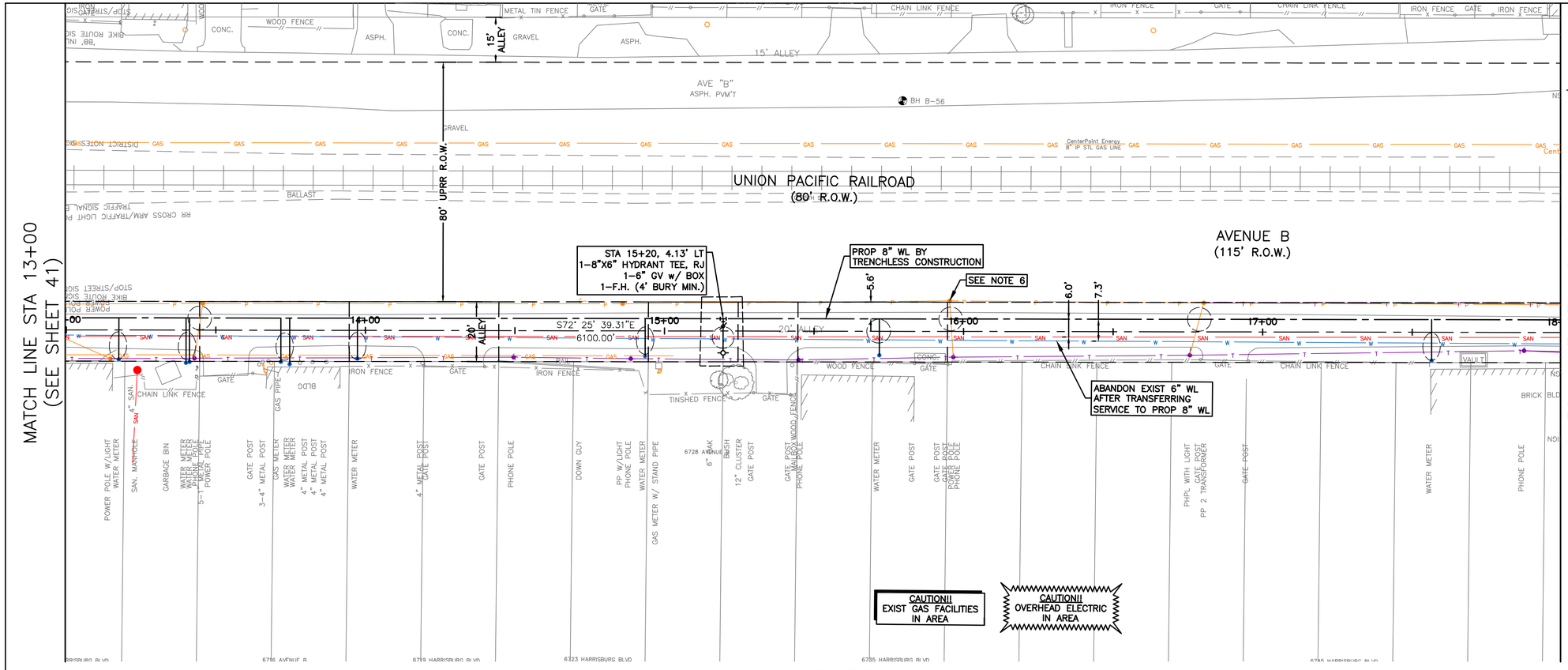
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN AND PROFILE
STA. 8+00 TO STA. 13+00
(SHEET 3 OF 16)

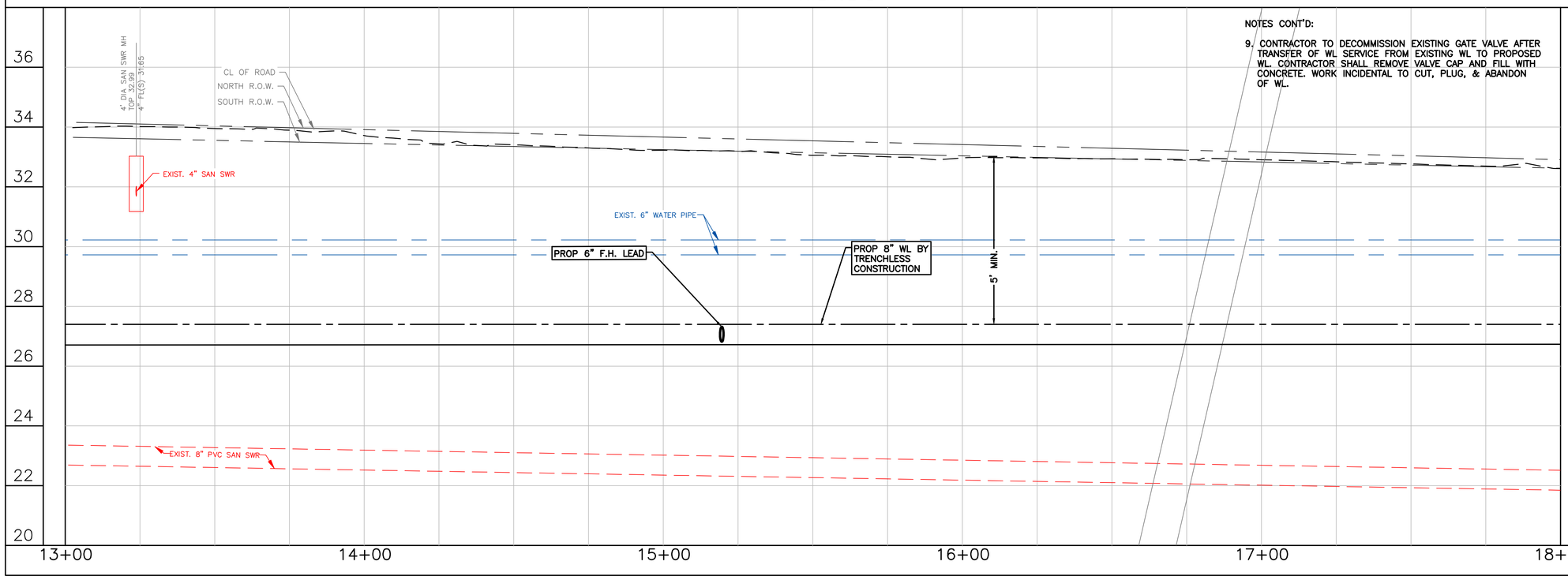
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 41 OF 318	

PLOTTED: 12/12/2025 1:11 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-1.dwg



AVENUE B



NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

20' 0' 20'
SCALE 1"=20'

NO.	DATE	REVISION	APP.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

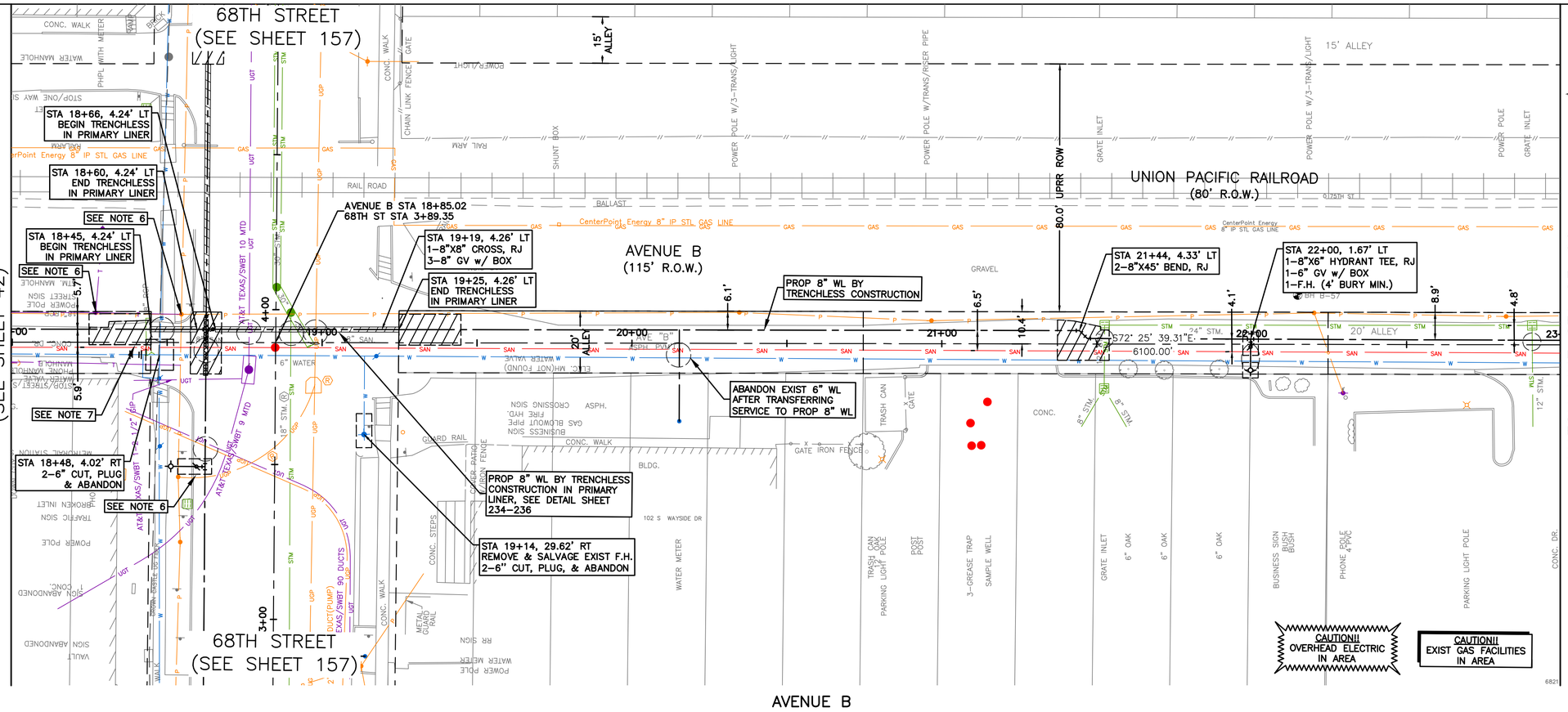
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN AND PROFILE
STA. 13+00 TO STA. 18+00
(SHEET 4 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 42 OF 318	



AVENUE B

SEE SHEET 44
FOR PROFILE VIEW

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO REMOVE AND REPLACE EXISTING STORM SEWER. CONTRACTOR TO REDIRECT STORM SEWER DISCHARGE USING BYPASS PUMPS, MAINTAIN POSITIVE DRAINAGE, AND DRY EXCAVATION PIT DURING WATER LINE CONSTRUCTION OPERATION.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
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713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN VIEW
STA. 18+00 TO STA. 23+00
(SHEET 5 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 43 OF 318	

PLOTTED: 12/12/2025 1:11 PM
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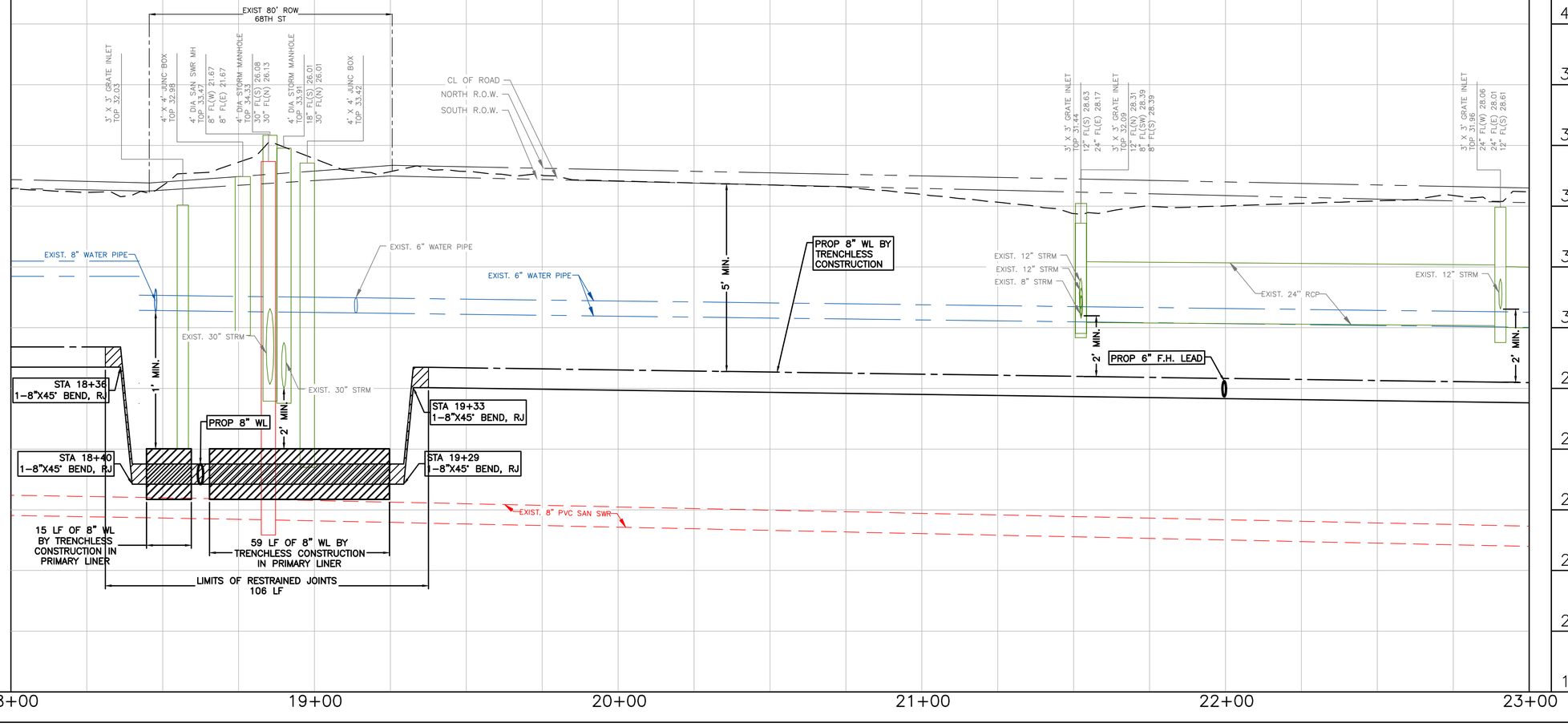
SEE SHEET 43
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

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TEXAS REGISTRATION No.107085

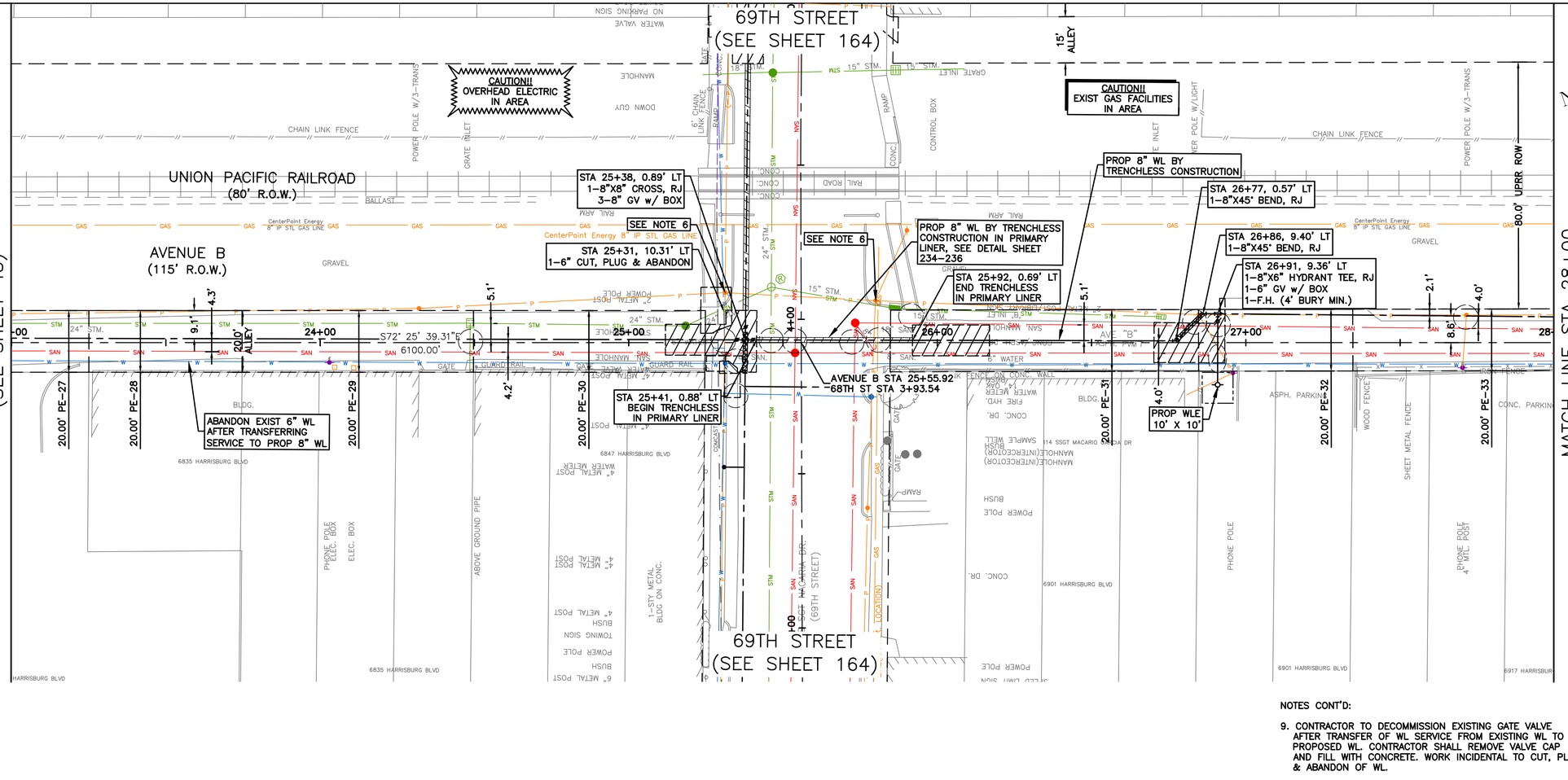
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PROFILE VIEW
STA. 18+00 TO STA. 23+00
(SHEET 6 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 44 OF 318	



SEE SHEET 46
FOR PROFILE VIEW

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

20' 0' 20'
SCALE 1"=20'

NO.	DATE	REVISION	APP.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX (6) MONTHS

DATE:
AT&T
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DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN VIEW
STA. 23+00 TO STA. 28+00
(SHEET 7 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 45 OF 318	

PLOTTED: 12/12/2025 1:13 PM

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PLOTTED: 12/12/2025 1:13 PM

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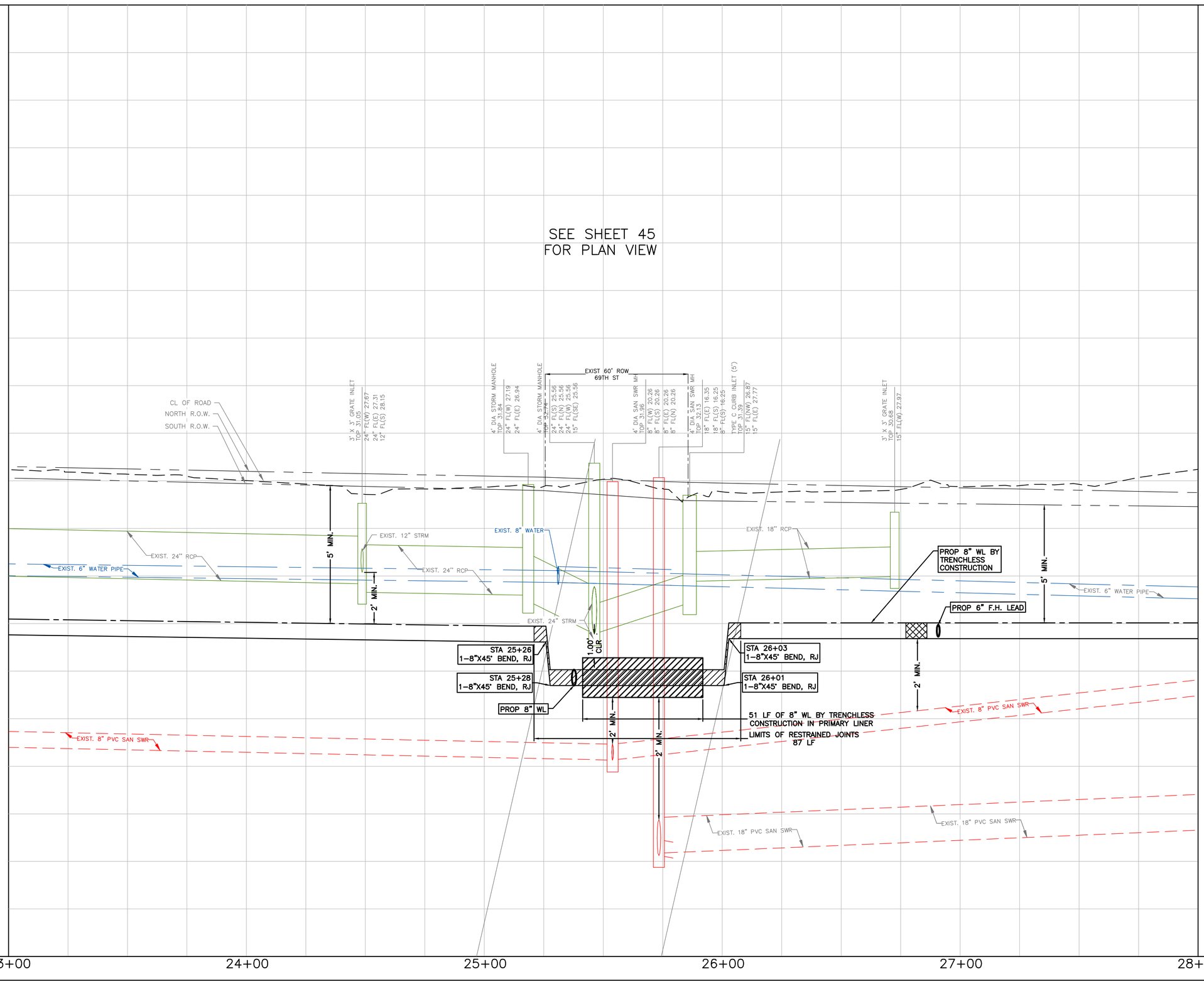
SEE SHEET 45
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

AT&T

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1710 Seamist Dr, Houston, TX 77008
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SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

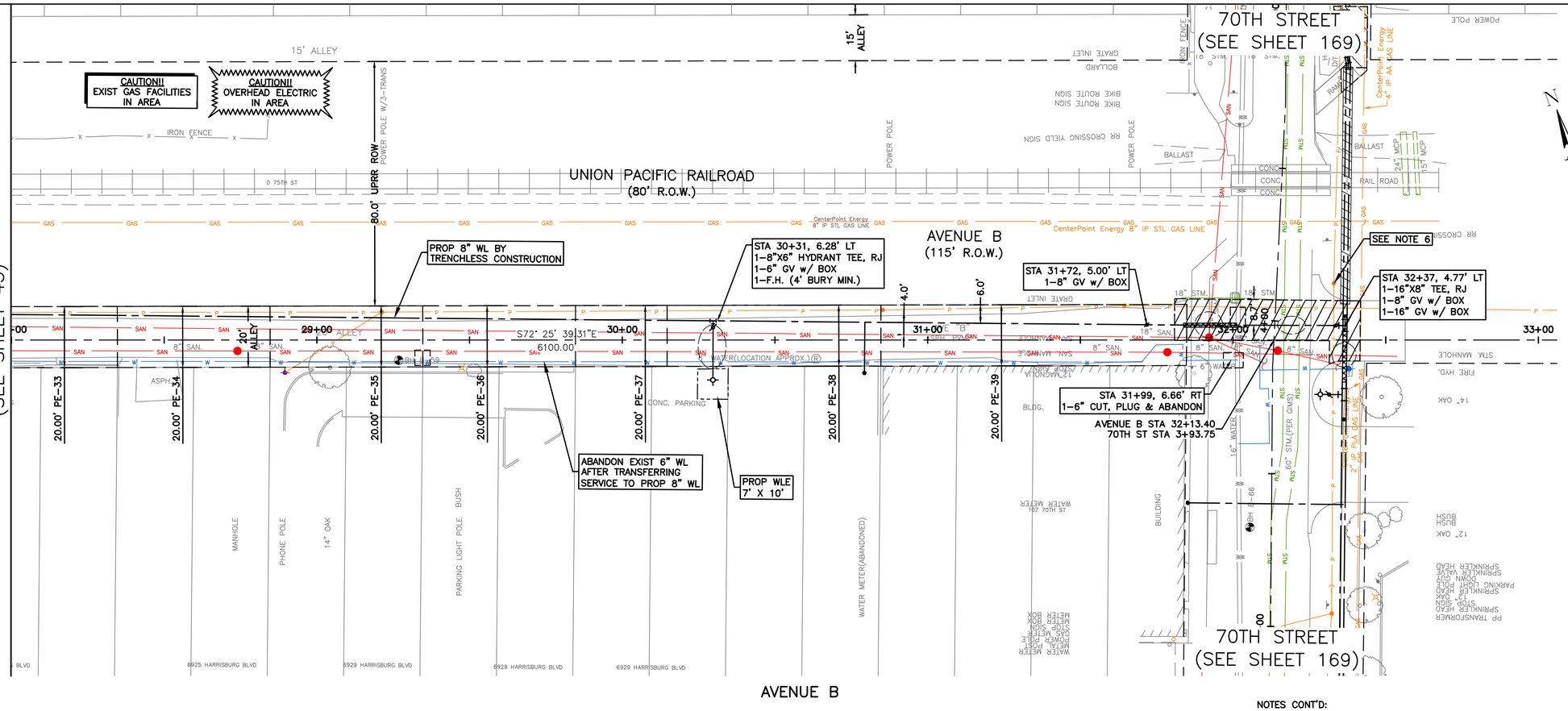
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PROFILE VIEW
STA. 23+00 TO STA. 28+00
(SHEET 8 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 46 OF 318	



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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SIGNATURE VALID FOR SIX MONTHS.

DATE:

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN VIEW
STA. 28+00 TO STA. 33+00
(SHEET 9 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 47 OF 318	

NO.	DATE	REVISION	APP.

PLOTTED: 12/12/2025 1:14 PM

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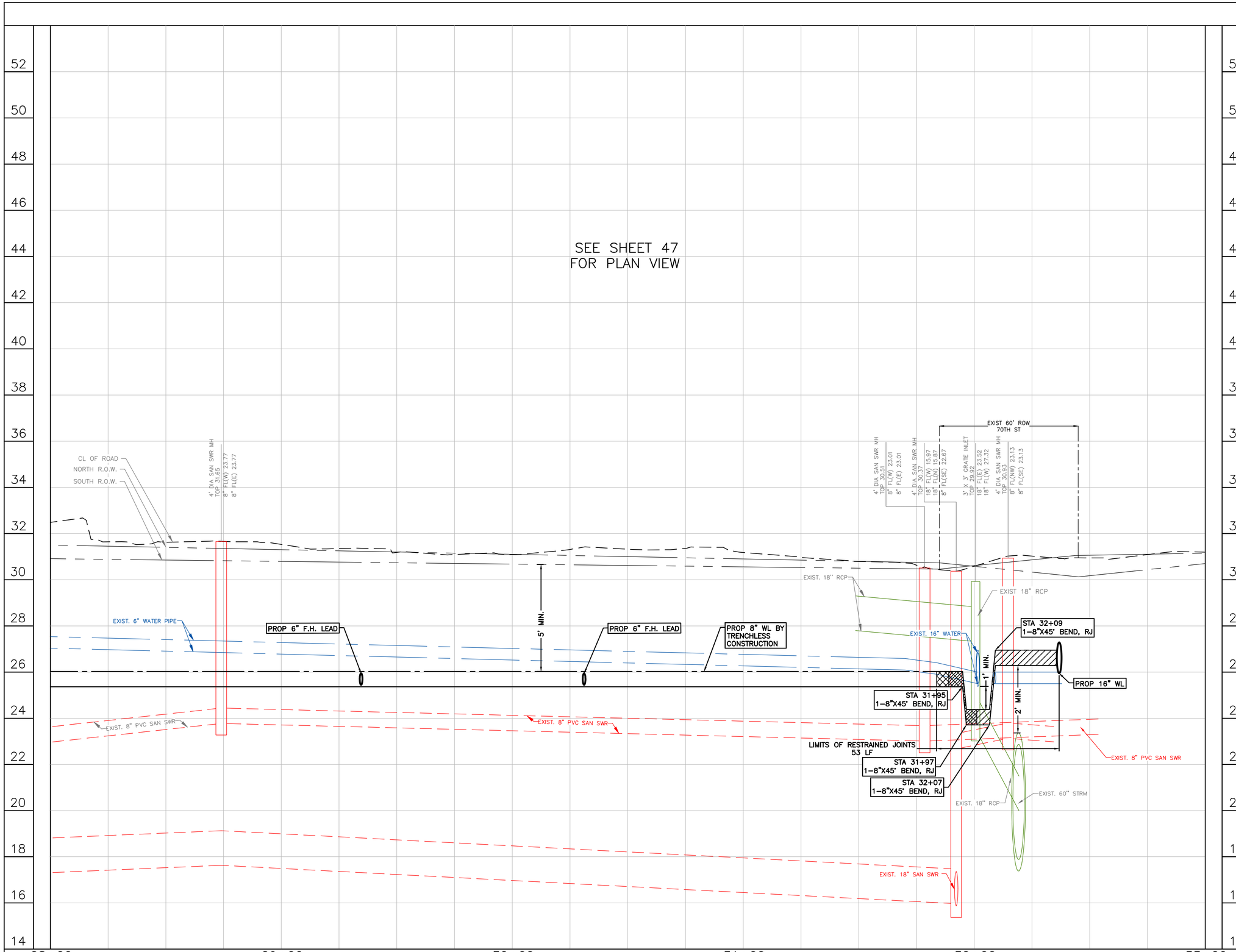
PLOTTED: 12/12/2025 1:14 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-2.dwg



NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

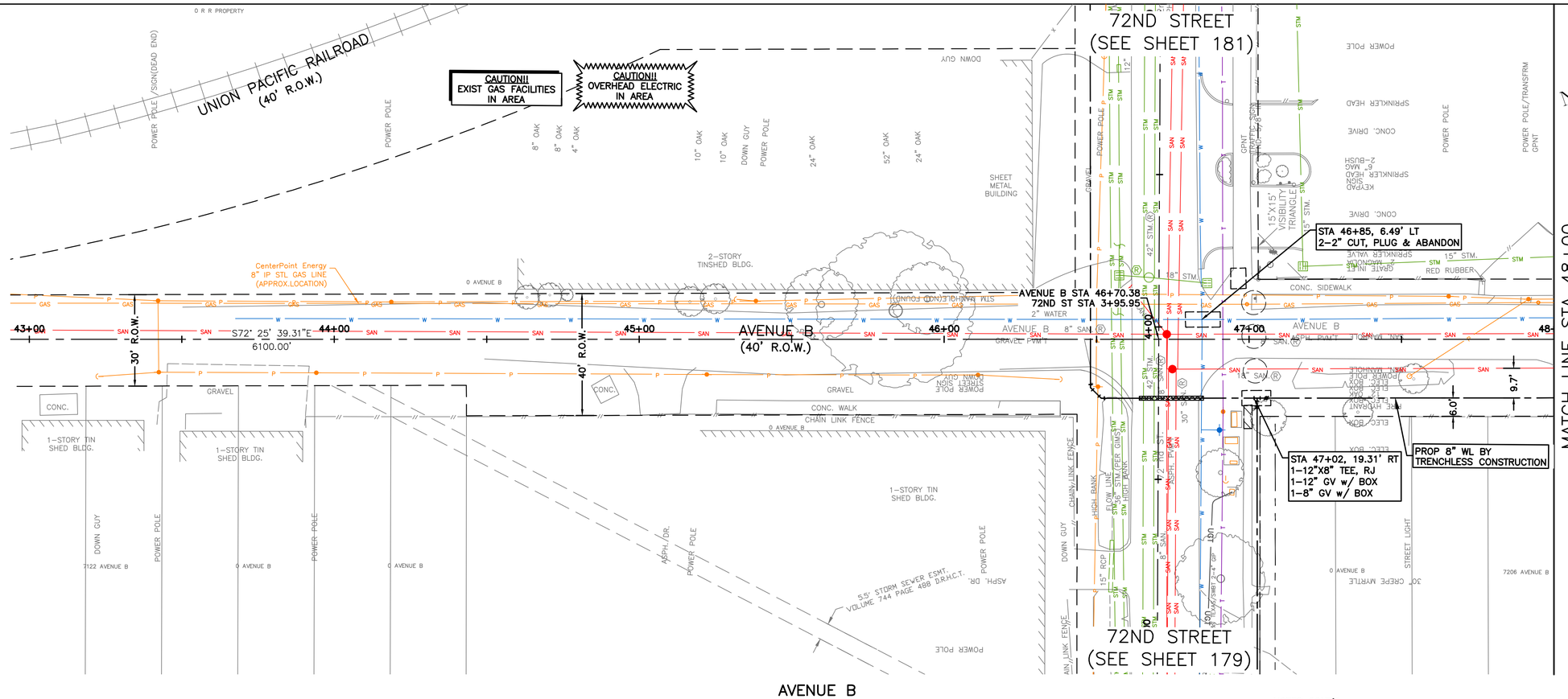
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PROFILE VIEW
STA. 28+00 TO STA. 33+00
(SHEET 10 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 48 OF 318	



AVENUE B

SEE SHEET 50
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN VIEW
STA. 43+00 TO STA. 48+00
(SHEET 11 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 49 OF 318	

PLOTTED: 12/12/2025 1:14 PM
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PLOTTED: 12/12/2025 1:15 PM
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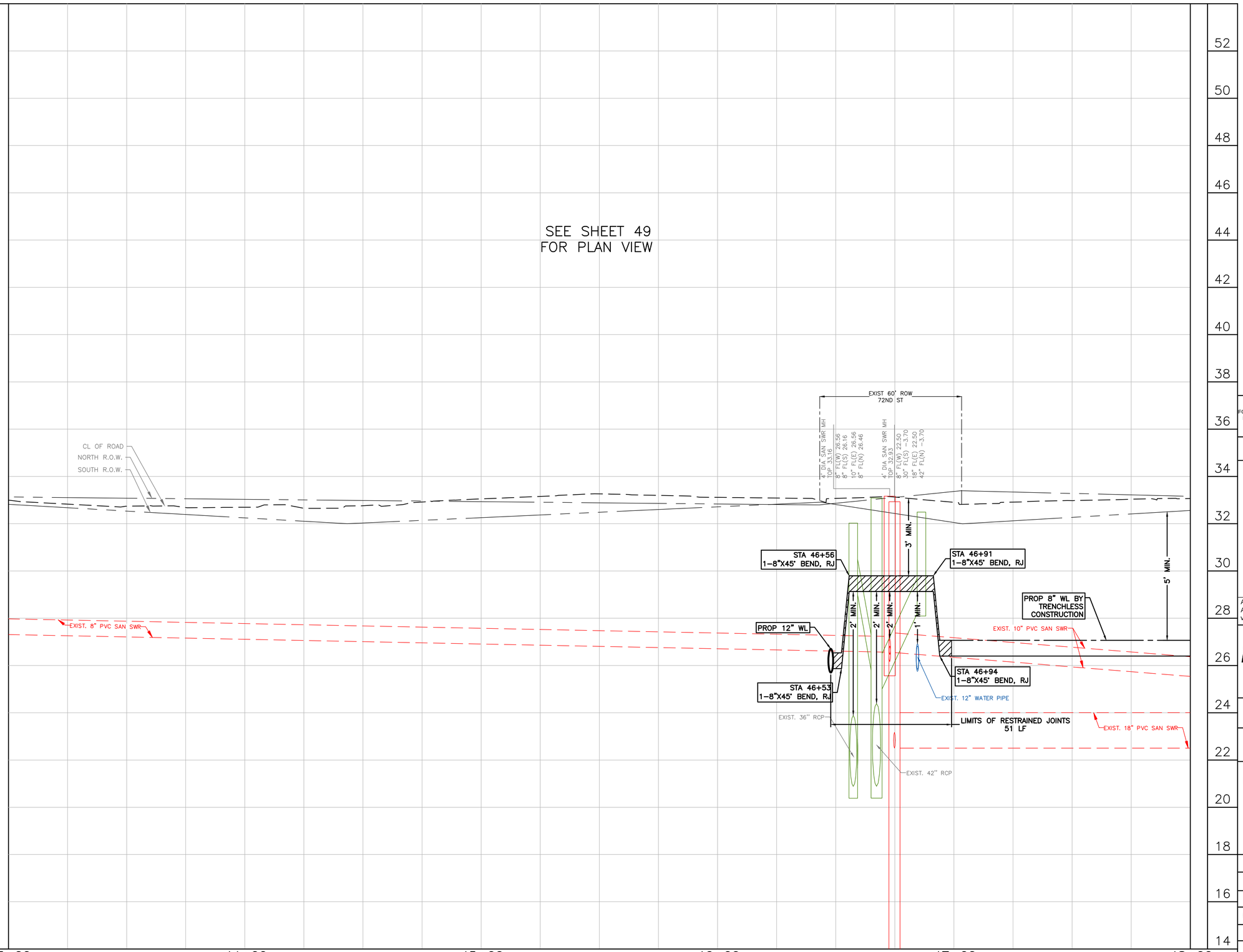

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PROFILE VIEW
STA. 43+00 TO STA. 48+00
(SHEET 12 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 50 OF 318	

PLOTTED: 12/12/2025 1:16 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-3.dwg

MATCH LINE STA 48+00 (SEE SHEET 49)

MATCH LINE STA 52+50 (SEE SHEET 52)

7250 AVENUE C

GRATE INLET · PHONE POLE · DOWN GUY · PHONE POLE · PHONE POLE · DOWN GUY · POLE

CenterPoint Energy 8" IP STL GAS LINE (APPROX.LOCATION)

RED RUBBER

ABANDON EXIST 2" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

CONC. SIDEWALK · WOOD FENCE · CONC. WALK

2" WATER · 8" SAN. · 2" WATER(PER GIMS)

S72° 25' 39.31"E 6100.00'

49+00 · 50+00 · 51+00 · 52+00

AVENUE B (40' R.O.W.)

45' R.O.W.

BH B-62

8" SAN.

15" RCP

SEE NOTE 6

10.0' · 19.0' · 6.1' · 9.5'

CHAIN LINK FENCE · GATE · SHEET METAL FENCE

PROP 8" WL BY TRENCHLESS CONSTRUCTION

7206 AVENUE B · 7212 AVENUE B · 7214 AVENUE B · 7228 AVENUE B · 7232 AVENUE B

GRAVEL DR. · GRAVEL DR. · STREET LIGHT · MAILBOX · SAN. MANHOLE · STREET LIGHT · WATER METER · ASPH. DR. · PHONE POLE · SAN. MANHOLE · ASPH. DR. · 3" TREE · 3" TREE · WOOD POST

AVENUE B

20' 0' 20'
SCALE 1"=20'

N

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
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- EASEMENTS

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:
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(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
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TEXAS REGISTRATION No.107085

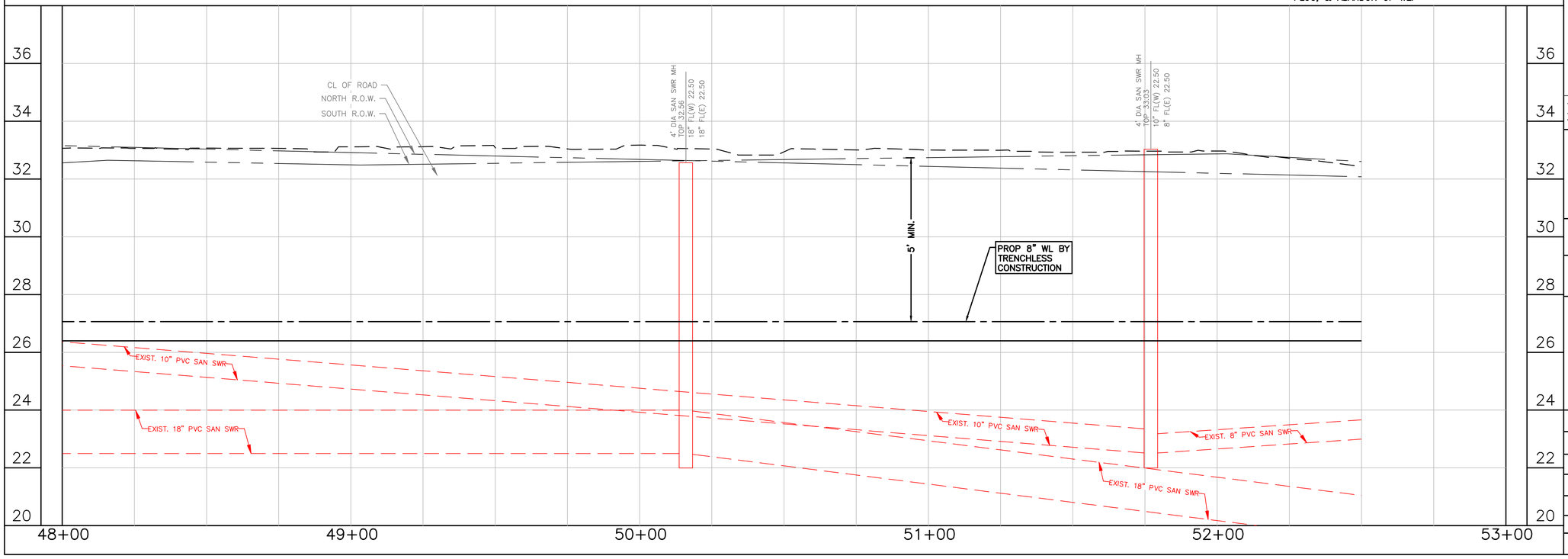
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

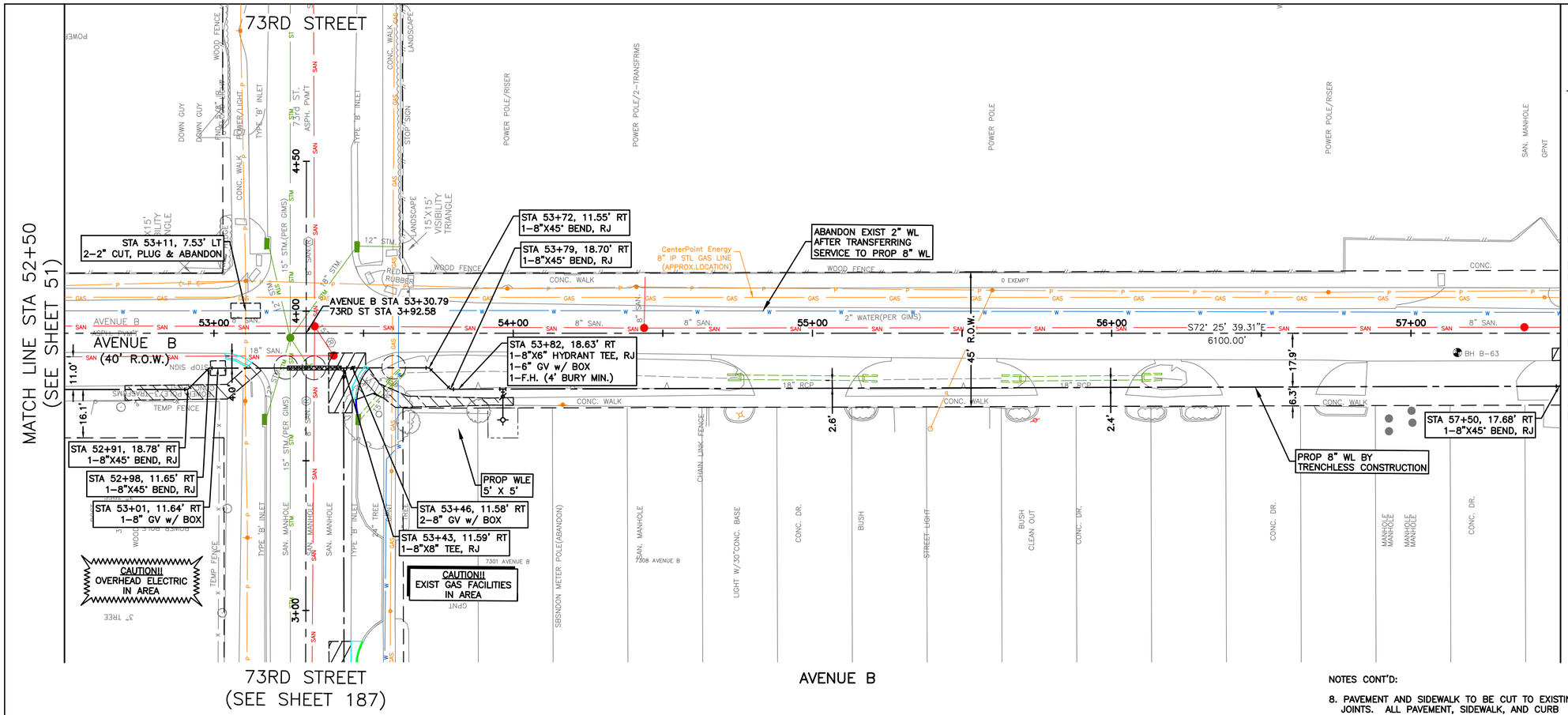
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN AND PROFILE
STA. 48+00 TO STA. 52+50
(SHEET 13 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 51 OF 318	





SEE SHEET 53
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN VIEW
STA. 52+50 TO STA. 57+50
(SHEET 14 OF 16)

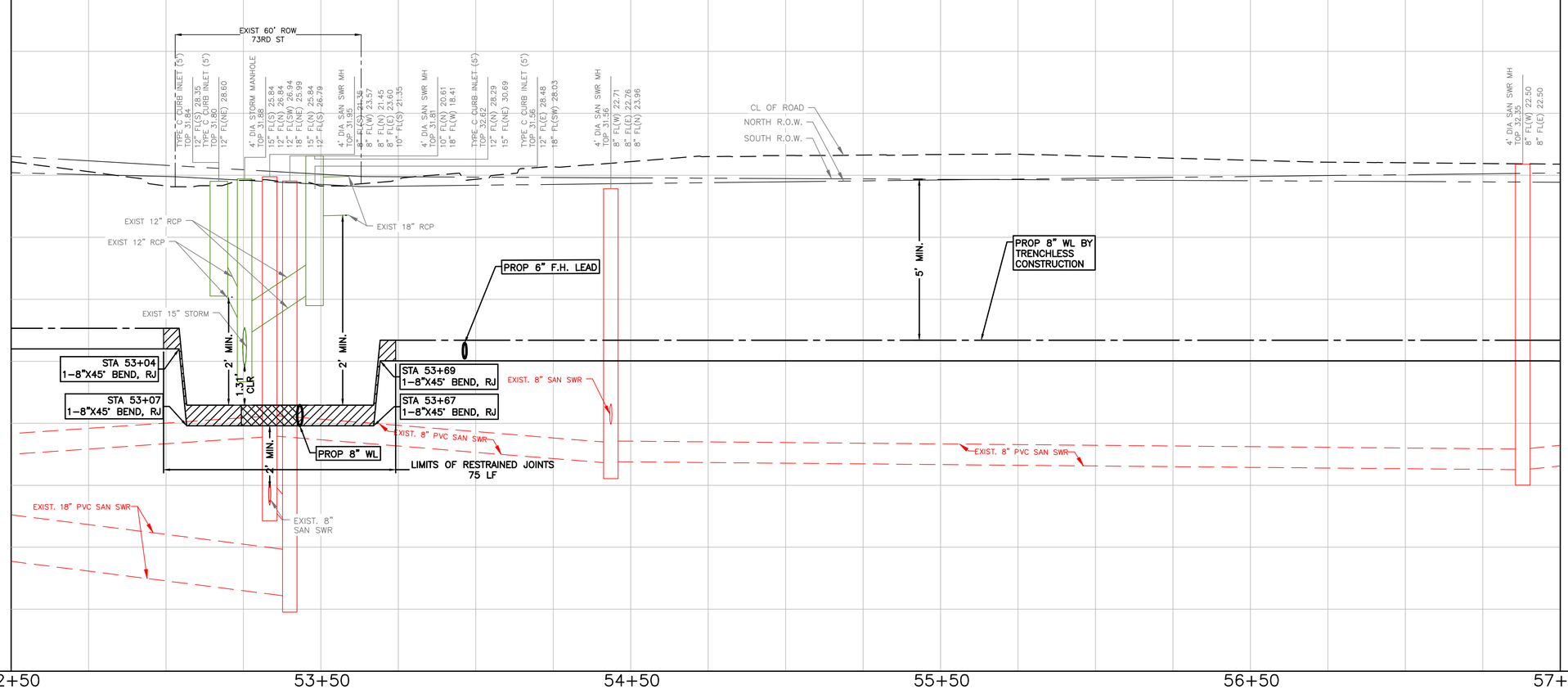
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 52 OF 318	

PLOTTED: 12/12/2025 1:17 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-3.dwg

PLOTTED: 12/12/2025 1:17 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-3.dwg

SEE SHEET 52
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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CITY OF HOUSTON

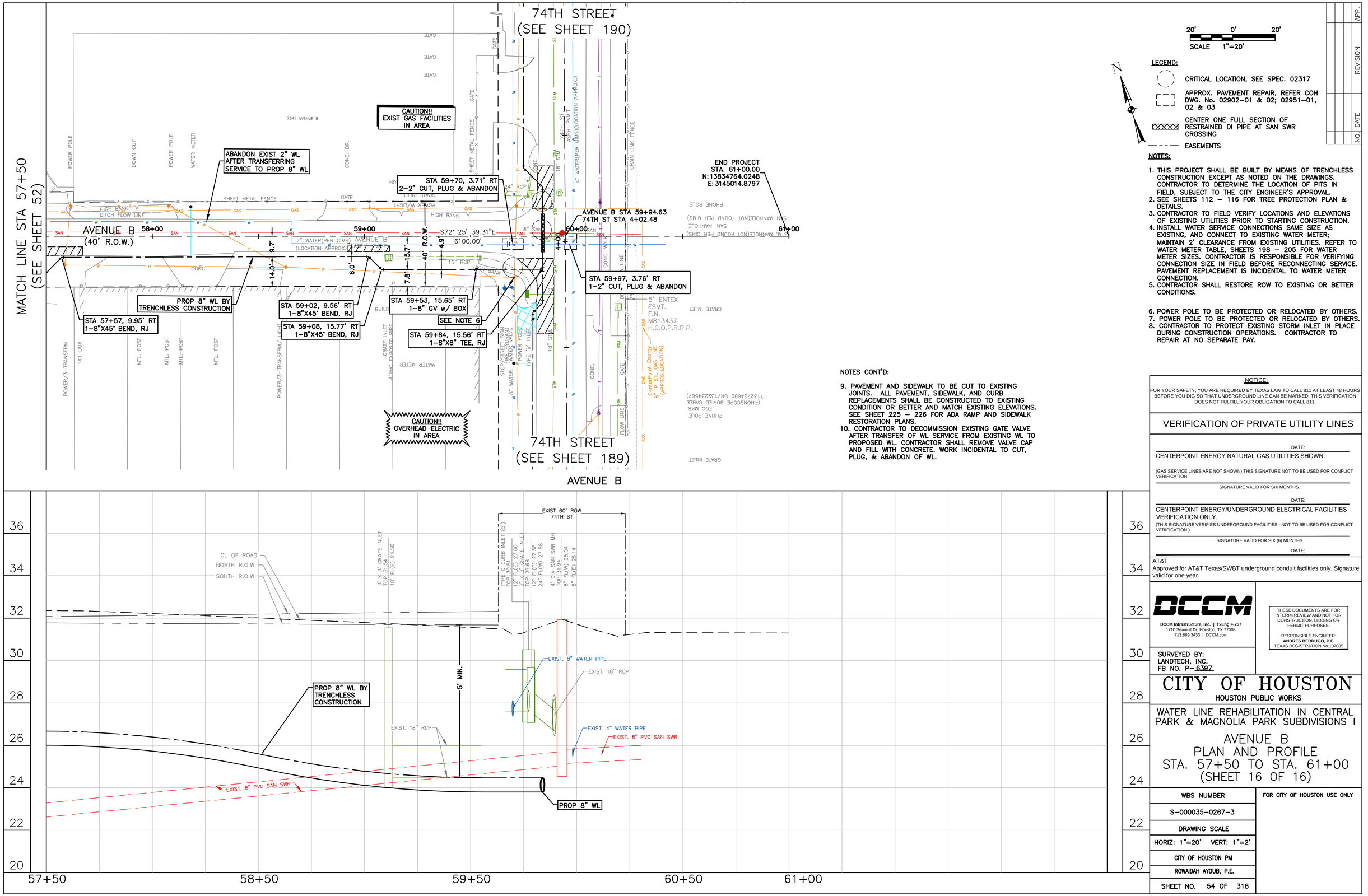
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PROFILE VIEW
STA. 52+50 TO STA. 57+50
(SHEET 15 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 53 OF 318	

PLOTTED: 12/12/2025 1:18 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE B-3.dwg



20' 0' 20'
SCALE 1"=20'

N

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
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- EASEMENTS

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX (6) MONTHS

DATE:
AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

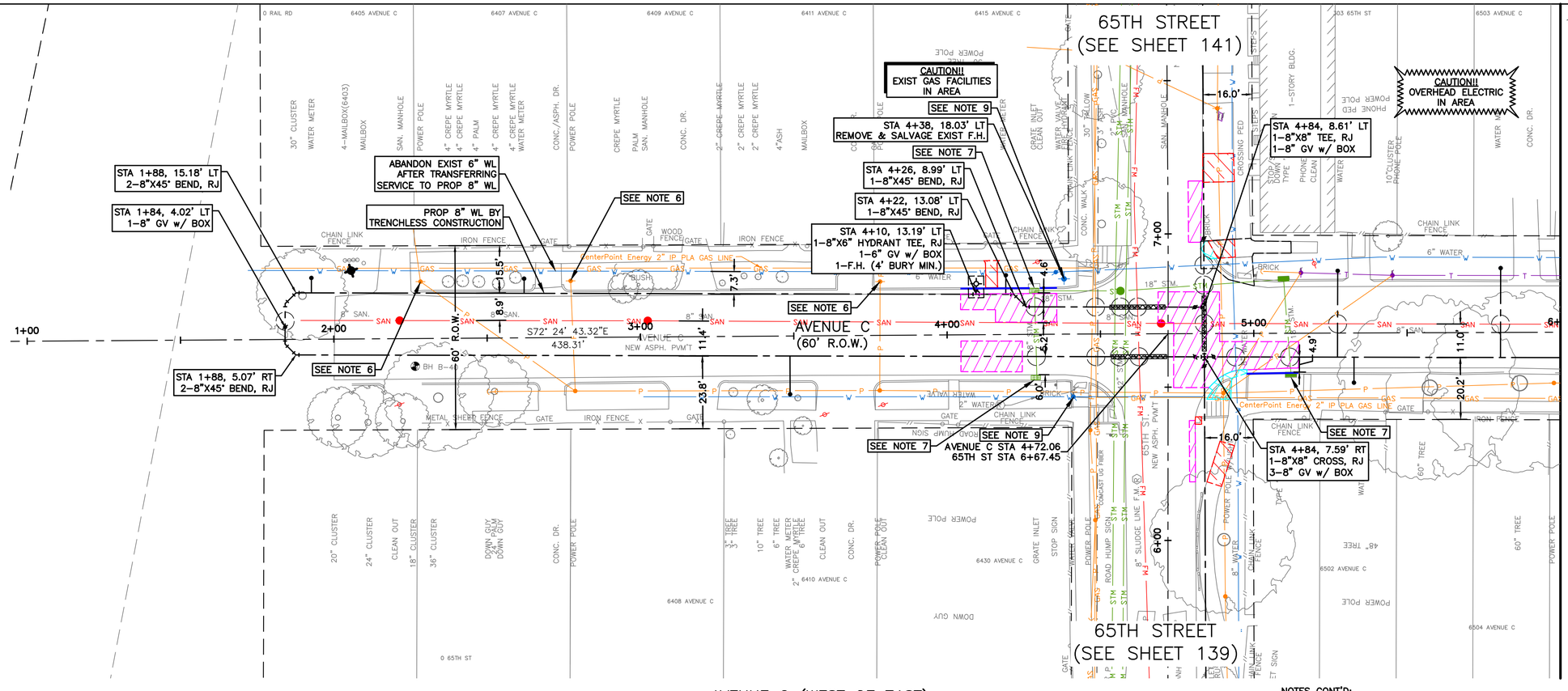
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE B
PLAN AND PROFILE
STA. 57+50 TO STA. 61+00
(SHEET 16 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 54 OF 318	

PLOTTED: 12/12/2025 1:55 PM



AVENUE C (WEST OF 71ST)

SEE SHEETS 56–57
FOR PROFILE VIEW

MATCH LINE STA 6+00
(SEE SHEET 57)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVED VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATER LINE.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

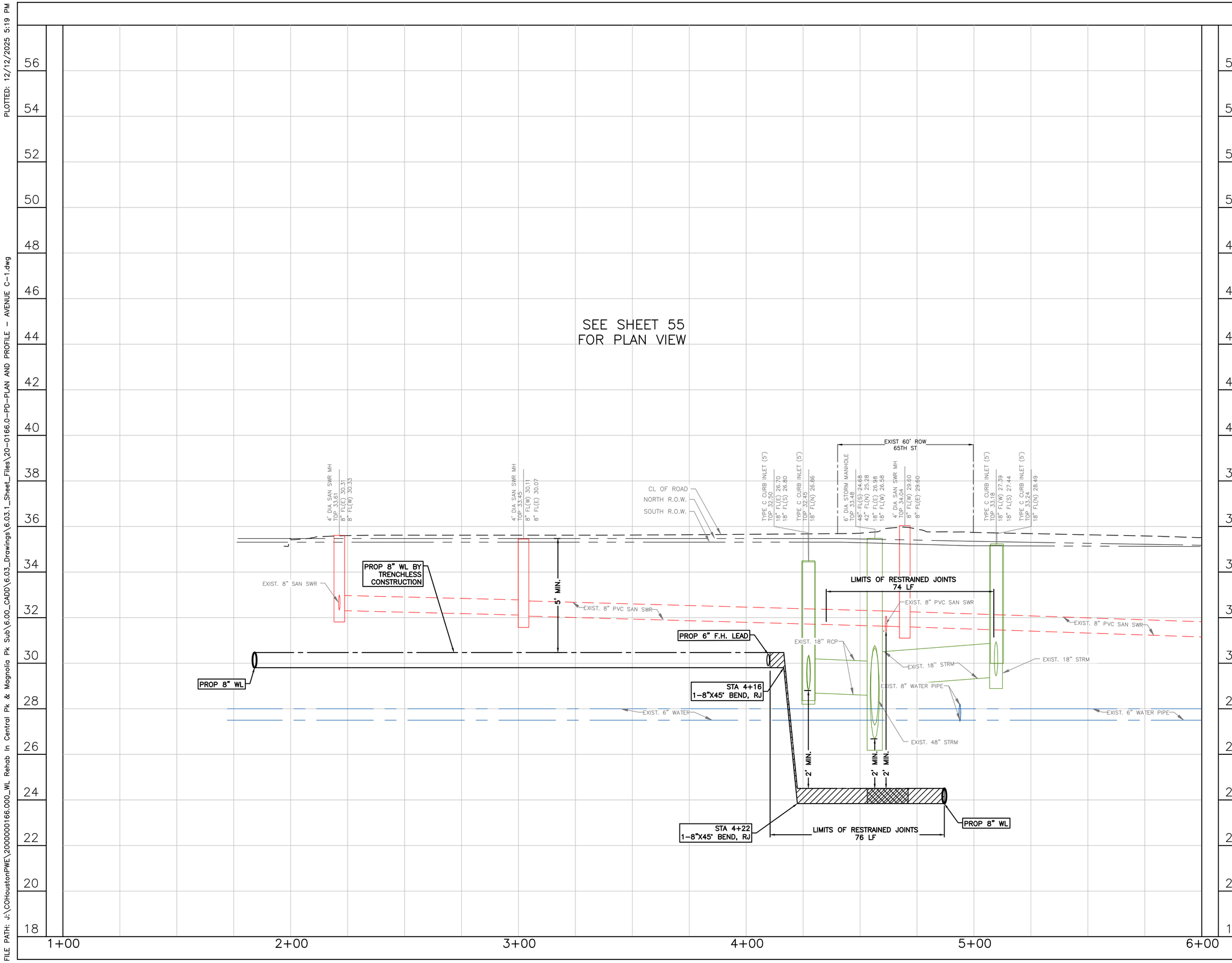
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN VIEW
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 55 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – AVENUE C–1.dwg

PLOTTED: 12/12/2025 5:19 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-1.dwg



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

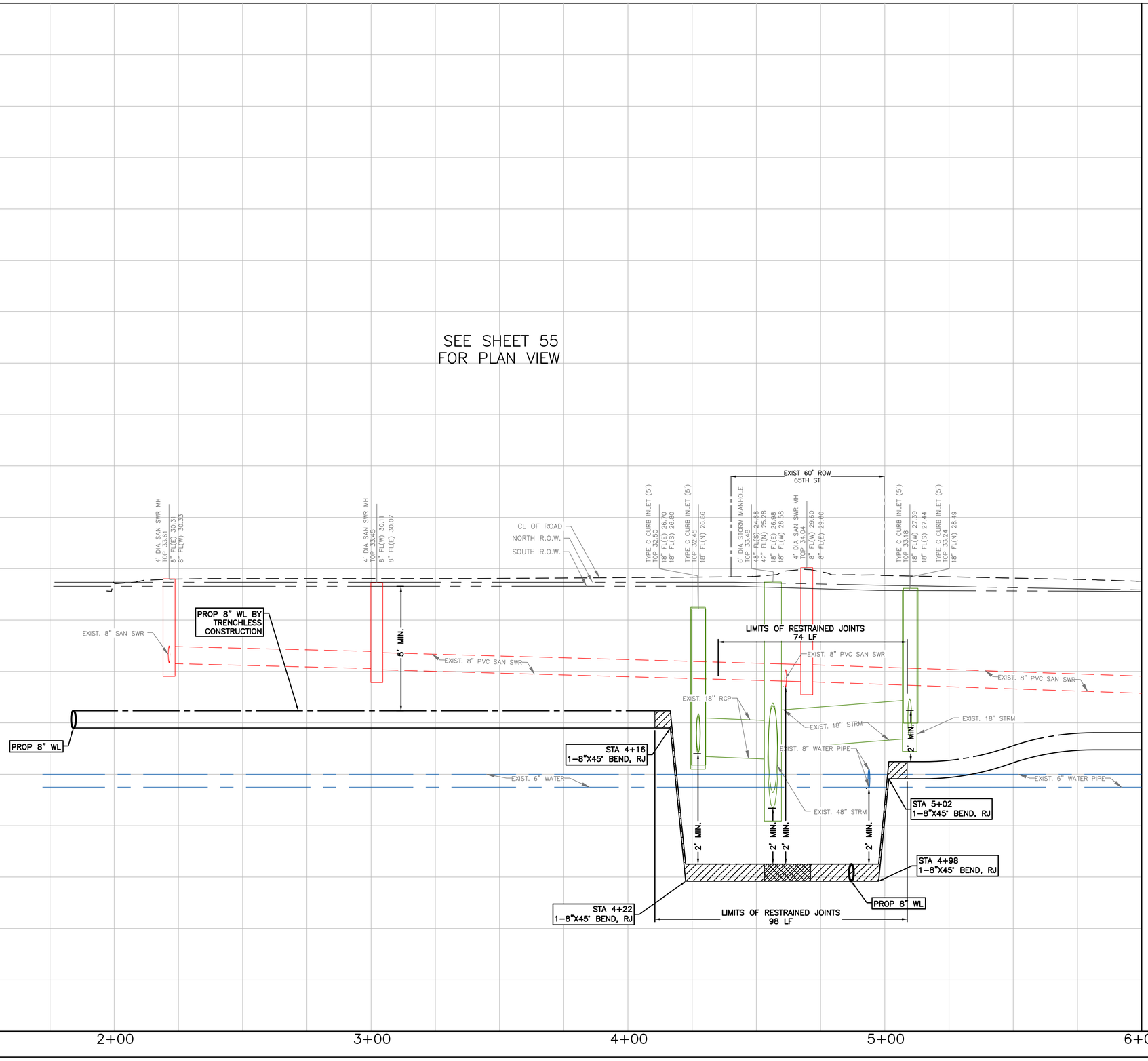
AVENUE C (WEST OF 71ST) NORTH ROW PROFILE VIEW STA. 1+00 TO STA. 6+00 (SHEET 2 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 56 OF 318	

PLOTTED: 12/12/2025 5:20 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-1.dwg

SEE SHEET 55
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST) SOUTH ROW PROFILE VIEW STA. 1+00 TO STA. 6+00 (SHEET 3 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 57 OF 318	

PLOTTED: 12/12/2025 1:56 PM

MATCH LINE STA 6+00
(SEE SHEET 56)

6509 AVENUE C | 6515 AVENUE C | 6519 AVENUE C | 6523 AVENUE C | 6527 AVENUE C | 6531 AVENUE C | 301 66TH ST

66TH STREET
(SEE SHEET 147)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

AVENUE C
(60' R.O.W.)

AVENUE C
NEW ASPH. PVM'T

S72°14'21.43"E
481.94'

AVENUE C STA 9+52.26
66TH ST STA 6+70.14

SEE NOTE 6 | SEE NOTE 7 | SEE NOTE 8 | SEE NOTE 10

STA 6+66, 8.68' RT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 9+19, 21.03' RT
REMOVE & SALVAGE EXIST F.H.

STA 9+62, 10.19' RT
1–8"X8" CROSS, RJ
3–8" GV w/ BOX

66TH STREET
(SEE SHEET 145)

6506 AVENUE C | 6508 AVENUE C | 6510 AVENUE C | 6512 AVENUE C | 6512 AVENUE C | 6515 AVENUE B | 6516 AVENUE C | 6520 AVENUE C

AVENUE C (WEST OF 71ST)

MATCH LINE STA 10+00
(SEE SHEET 59)

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATERLINE.
10. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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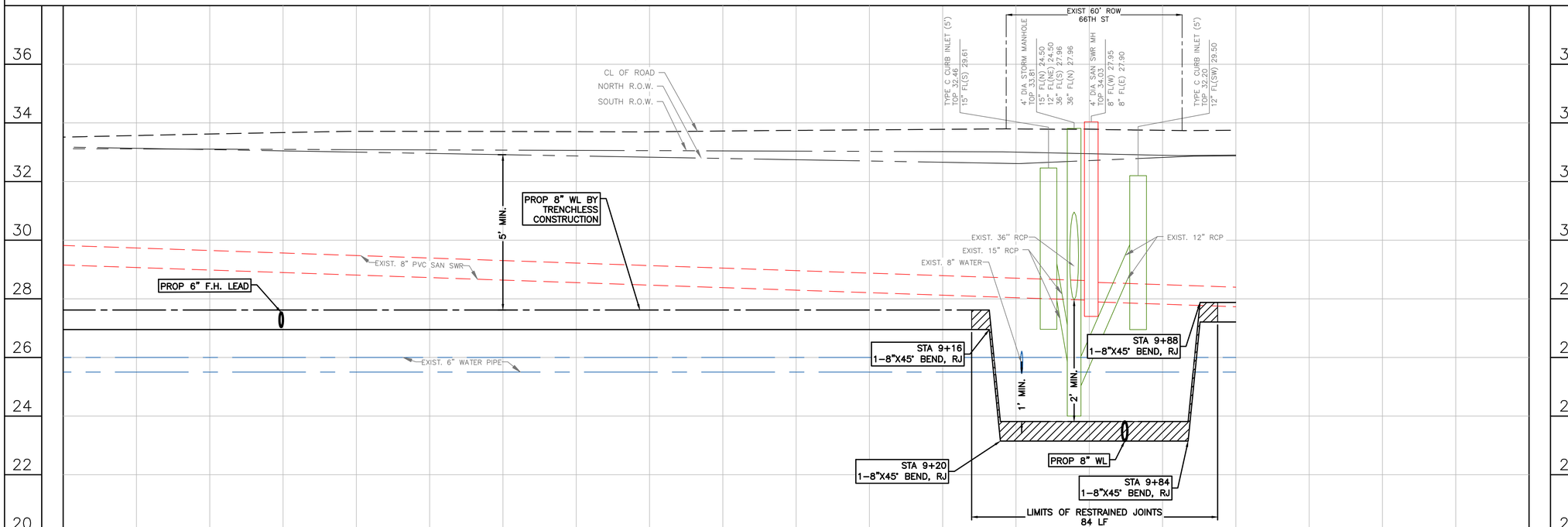

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN AND PROFILE
STA. 6+00 TO STA. 10+00
(SHEET 4 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 58 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – AVENUE C–1.dwg

PLOTTED: 12/12/2025 1:56 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-1.dwg

MATCH LINE STA 10+00
(SEE SHEET 58)

6607 AVENUE C | 6611 AVENUE C | 6615 AVENUE C | 6617 AVENUE C | 6619 AVENUE C | 6623 AVENUE C | 6625 AVENUE C | 6637 AVENUE C

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

SEE NOTE 6 | SEE NOTE 6 | SEE NOTE 7 | SEE NOTE 7

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 12+57, 10.10' RT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

AVENUE C
(60' R.O.W.)
NEW ASPH. PVM'T

11+00 | 12+00 | 13+00 | 14+00 | 15+00

S71° 52' 46.51"E
742.24'

60' R.O.W. | 10.7' | 20.3' | 4.9' | 5.0'

6" WATER | 6" MTL. PIPE | 6" PVC | BROKEN CONC. SIDEWALK | CHAIN LINK FENCE | IRON FENCE | WOOD FENCE | GATE | GATE WALL | IRON FENCE W/ BRICK COLUMN | BRICK COL. FENCE

6608 AVENUE C | 6610 AVENUE C | 6614 AVENUE C | 6616 AVENUE C | 6620 AVENUE C | 6622 AVENUE C | 6626 AVENUE C | 6628 AVENUE C | 6632 AVENUE C | 6638 AVENUE C | 204 66TH ST

AVENUE C (WEST OF 71ST)

MATCH LINE STA 15+00
(SEE SHEET 60)

SCALE 1"=20'
20' 0' 20'

LEGEND:
- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN AND PROFILE
STA. 10+00 TO STA. 15+00
(SHEET 5 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 59 OF 318	

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

5' MIN.

PROP 6" F.H. LEAD

EXIST. 8" PVC SAN SWR

EXIST. 6" WATER PIPE

EXIST. 8" PVC SAN SWR

EXIST. 6" WATER PIPE

36 | 34 | 32 | 30 | 28 | 26 | 24 | 22 | 20

10+00 | 11+00 | 12+00 | 13+00 | 14+00 | 15+00

PLOTTED: 12/12/2025 1:56 PM

MATCH LINE STA 15+00 (SEE SHEET 59)

67TH STREET (SEE SHEET 153)

67TH STREET (SEE SHEET 151)

AVENUE C (WEST OF 71ST)

MATCH LINE STA 20+00 (SEE SHEET 61)

STA 15+88, 35.63' LT
REMOVE & SALVAGE EXIST F.H.

STA 15+27, 10.01' RT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

SEE NOTE 9

SEE NOTE 9

SEE NOTE 9

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

SEE NOTE 7

AVENUE C STA 16+09.71
67TH ST STA 6+54.21

SEE NOTE 7

STA 16+26, 9.98' RT
1–8"X8" CROSS, RJ
3–8" GV w/ BOX

PROP 8" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

STA 19+42, 9.94' RT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

BH B-43

S71° 53' 26.05"E
670.82'

AVENUE C
(60' R.O.W.)

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 228 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.

EXIST 60' ROW
67TH ST

TYPE C CURB INLET (5')
TOP 33.18
24" FL(N) 28.98

4' DIA SAN SWR MH
TOP 33.48
8" FL(W) 25.67
12" FL(N) 25.47
8" FL(E) 25.67

4' DIA SAN SWR MH
TOP 33.59
8" FL(W) 25.75
8" FL(E) 25.75

4' DIA STORM MANHOLE
TOP 33.49
24" FL(N) 28.29
24" FL(S) 28.29
24" FL(NW) 28.67
24" FL(E) 29.89

TYPE C CURB INLET (5')
TOP 33.14
24" FL(N) 29.43

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

EXIST. 24" STRM
EXIST. 8" WATER PIPE
EXIST. 8" WATER
EXIST. 6" WATER PIPE
EXIST. 8" PVC SAN SWR

5' MIN.

STA 15+57
1–8"X45° BEND, RJ
PROP 6" F.H. LEAD

STA 16+62
1–8"X45° BEND, RJ
PROP 6" F.H. LEAD

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 15+61
1–8"X45° BEND, RJ

PROP 8" WL

STA 16+58
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
117 LF

2' MIN. 1' MIN. 2' MIN. 2' MIN.

15+00 16+00 17+00 18+00 19+00 20+00

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

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NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

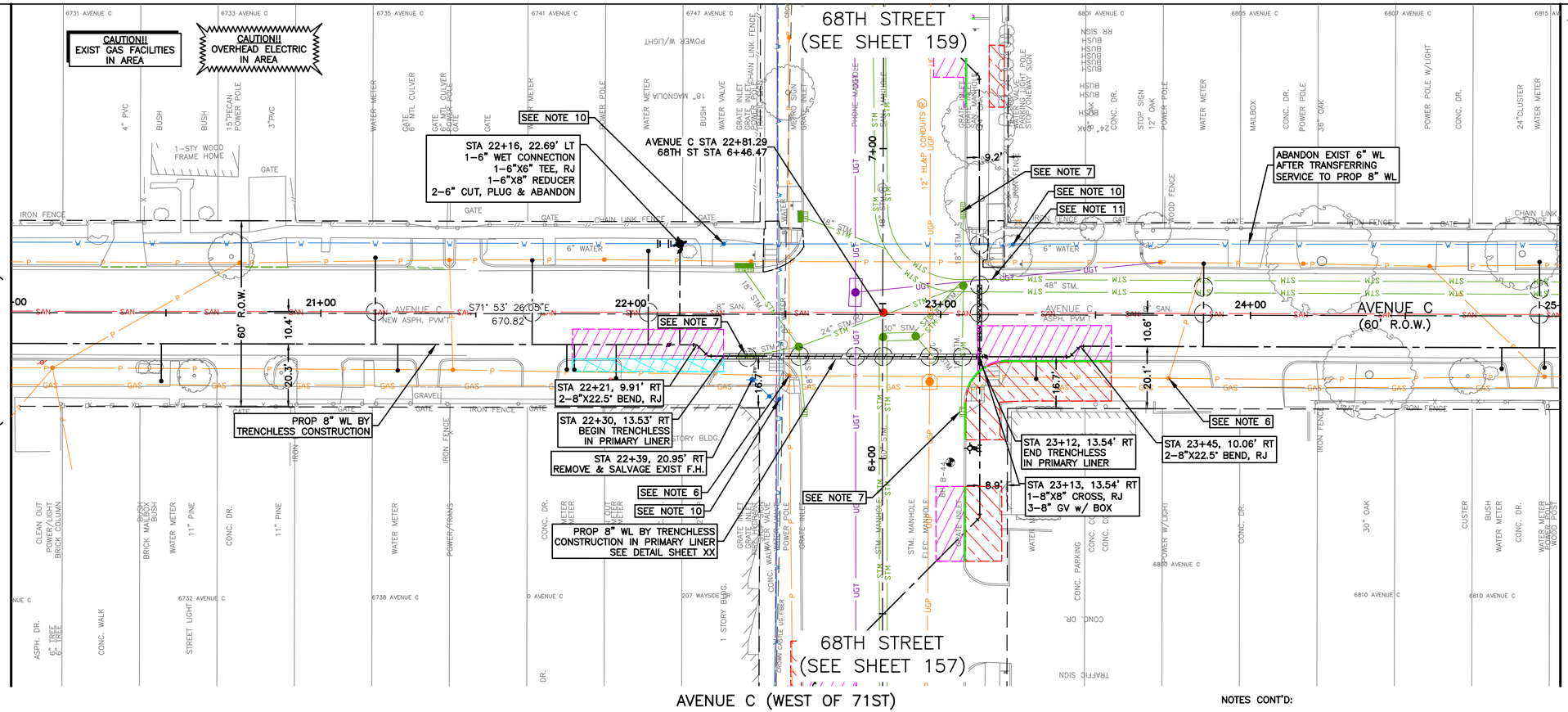
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN AND PROFILE
STA. 15+00 TO STA. 20+00
(SHEET 6 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 60 OF 318	

FILE PATH: J:\COHoustonPWE\200000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE – AVENUE C-1.dwg



SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATER LINE.
11. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN VIEW
STA. 20+00 TO STA. 25+00
(SHEET 7 OF 21)

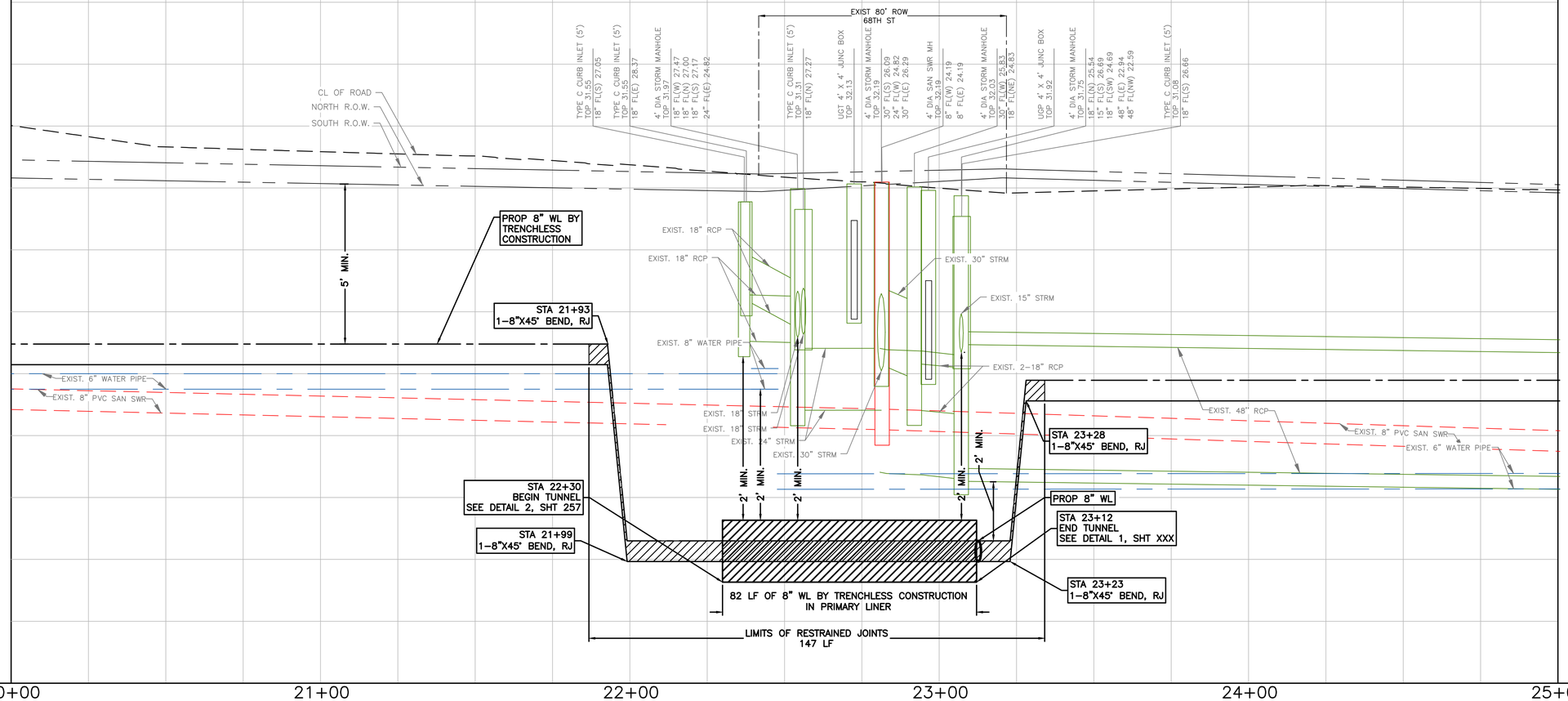
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 61 OF 318	

PLOTTED: 12/12/2025 1:57 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-1.dwg

PLOTTED: 12/12/2025 1:57 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-1.dwg

SEE SHEET 61
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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TEXAS REGISTRATION No.107085

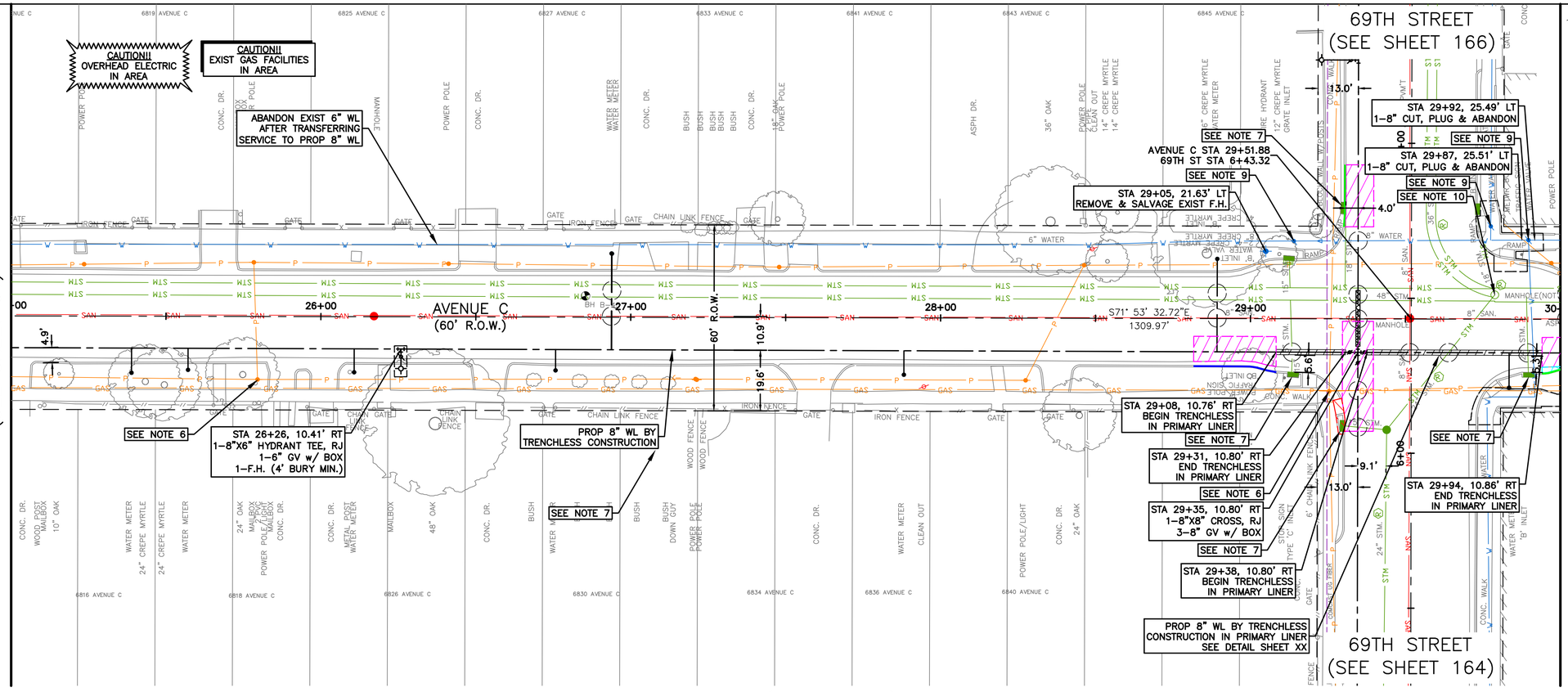
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PROFILE VIEW
STA. 20+00 TO STA. 25+00
(SHEET 8 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 62 OF 318	



SEE SHEET 64
FOR PROFILE VIEW

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

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9. CONTRACTOR TO DECOMMISSION ON EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
10. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZE PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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DATE:

AT&T
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DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN VIEW
STA. 25+00 TO STA. 30+00
(SHEET 9 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 63 OF 318	

PLOTTED: 12/12/2025 1:57 PM
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PLOTTED: 12/12/2025 1:57 PM
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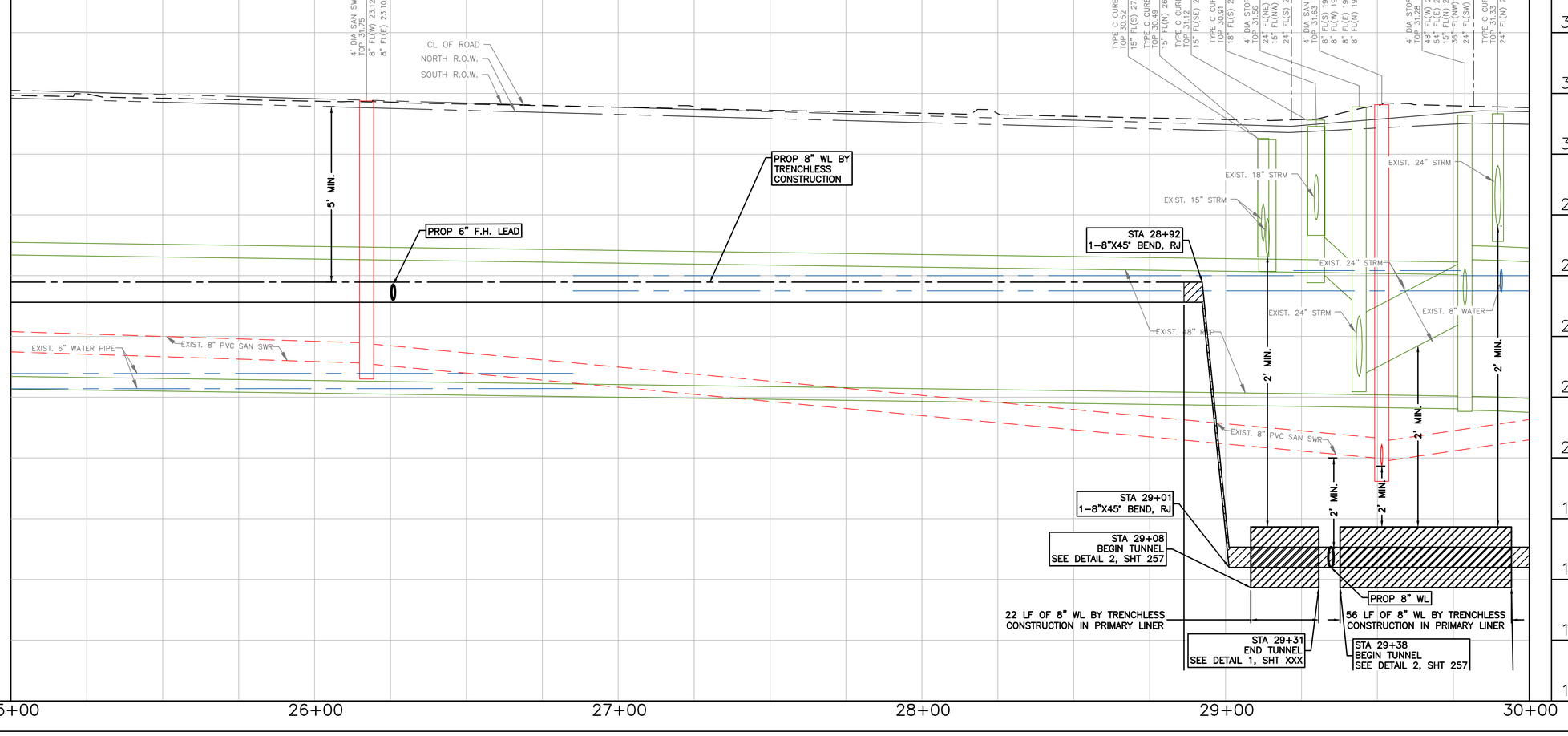
SEE SHEET 63
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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RESPONSIBLE ENGINEER:
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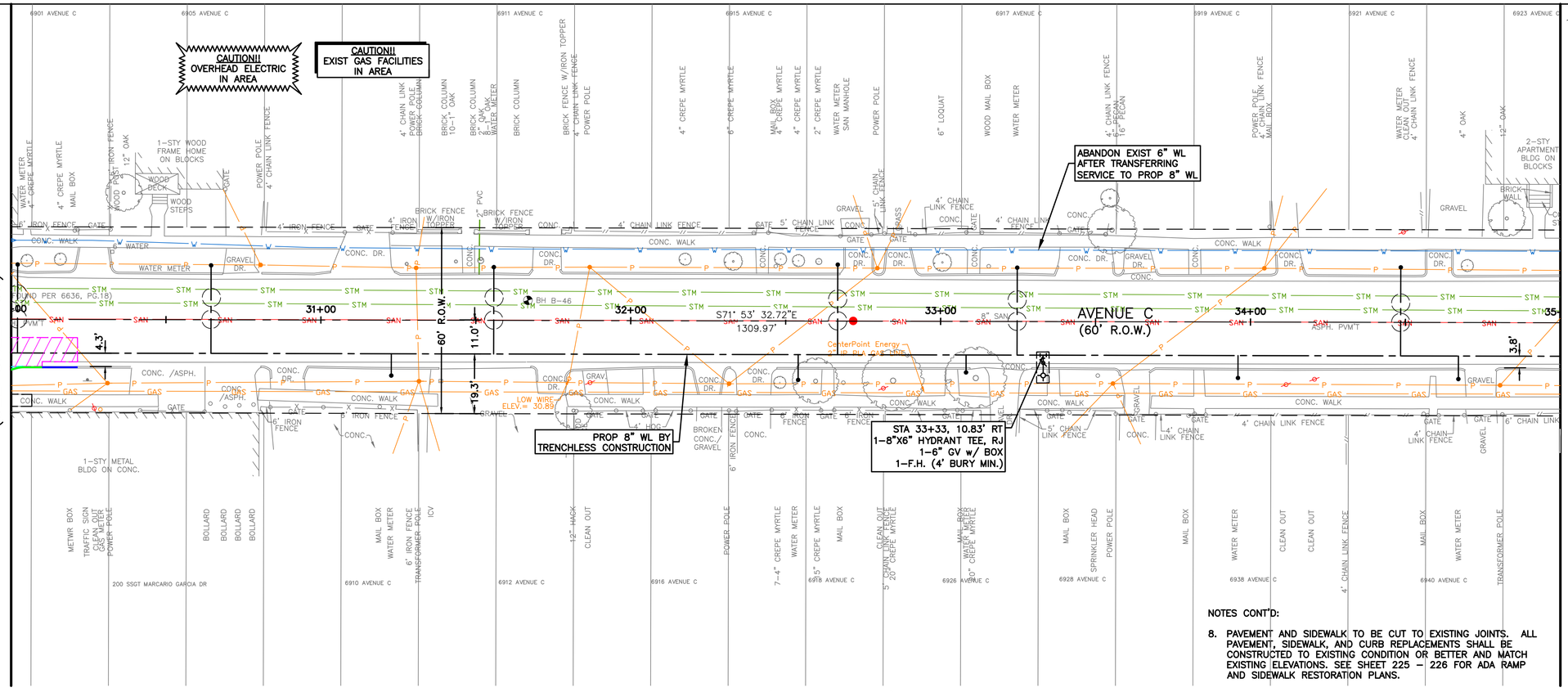
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PROFILE VIEW
STA. 25+00 TO STA. 30+00
(SHEET 10 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 64 OF 318	



AVENUE C (WEST OF 71ST)

SEE SHEET 66
FOR PROFILE VIEW

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

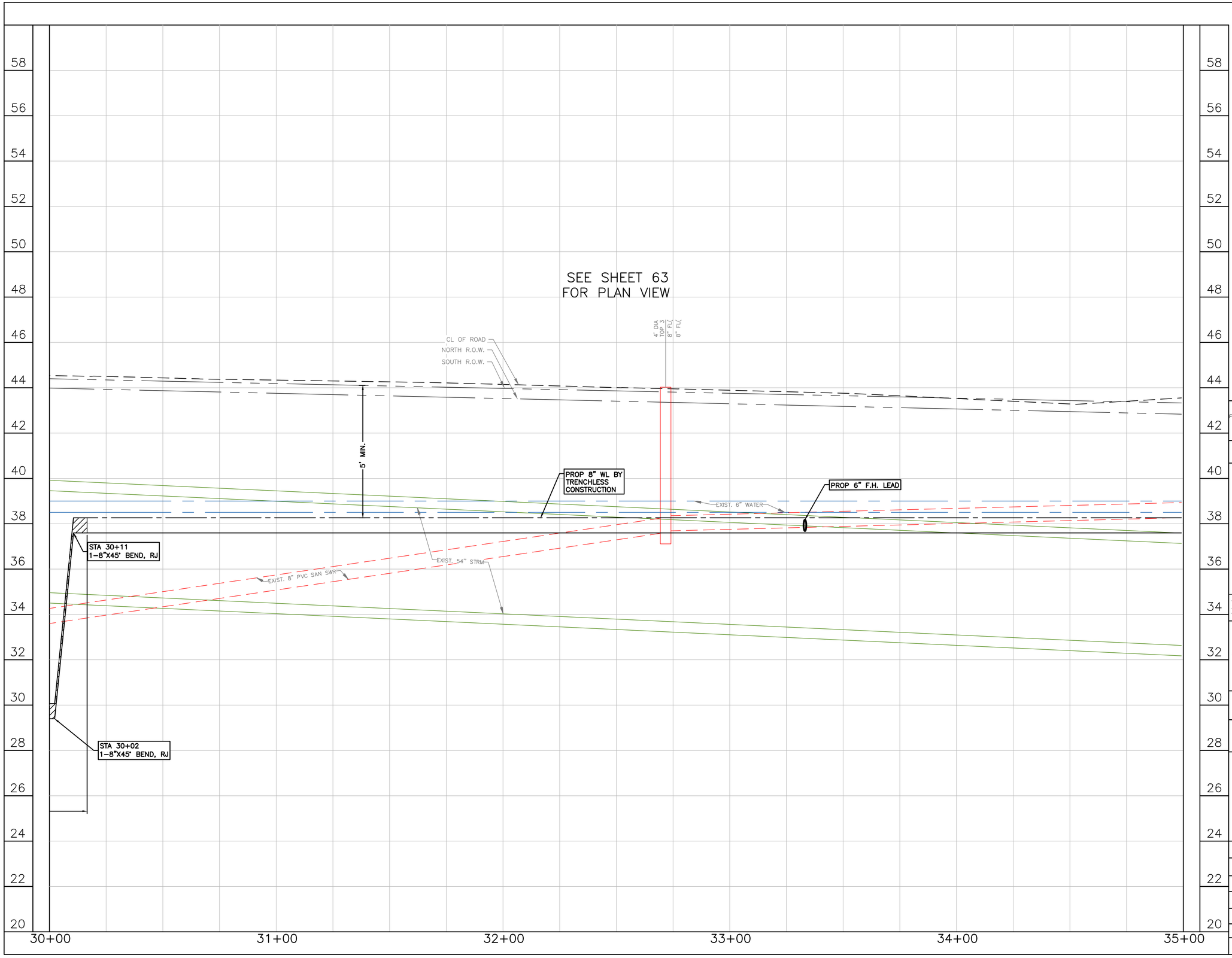
AVENUE C (WEST OF 71ST)
PLAN VIEW
STA. 30+00 TO STA. 35+00
(SHEET 11 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 65 OF 318	

PLOTTED: 12/12/2025 5:25 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-2.dwg

PLOTTED: 12/12/2025 1:58 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-2.dwg



NO.	DATE	REVISION	APP.

NOTICE:

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SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

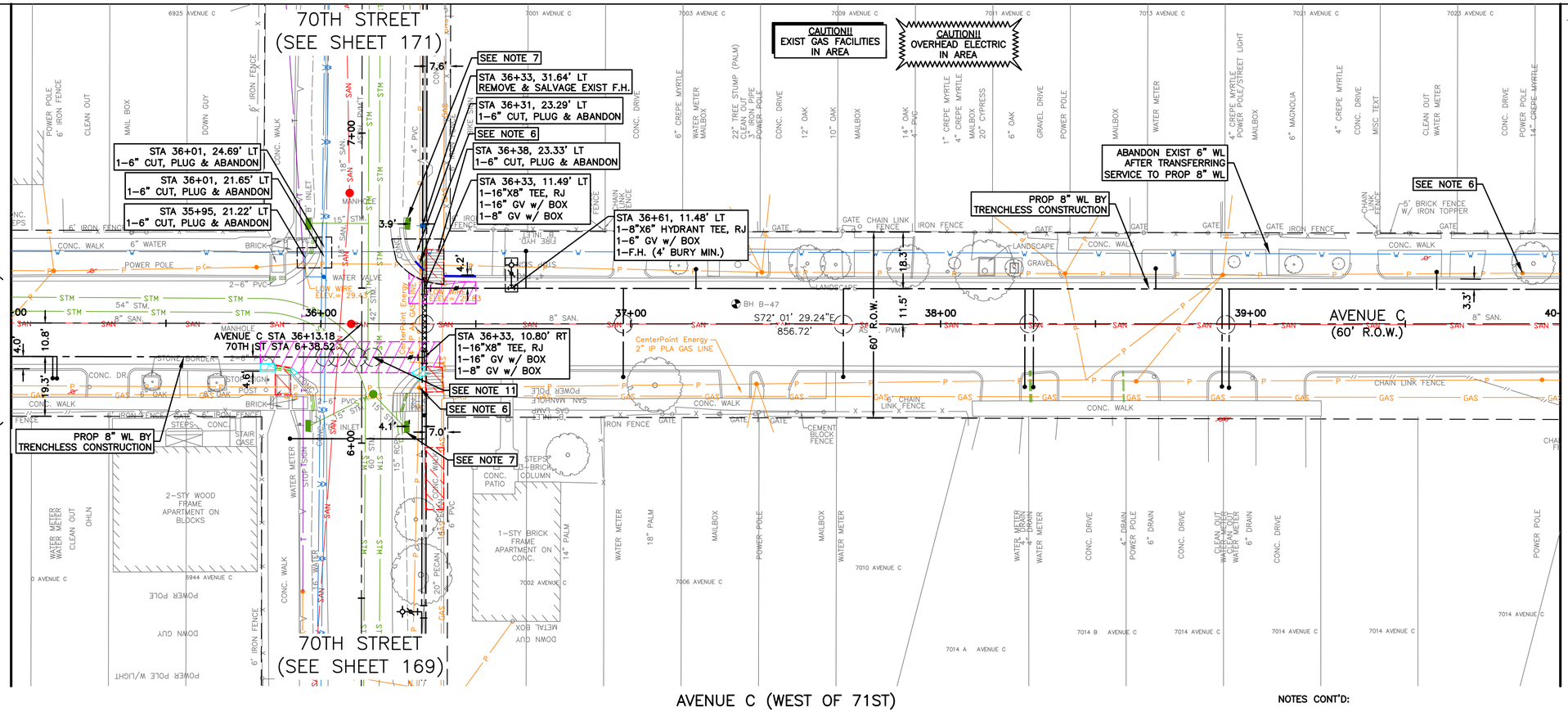
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

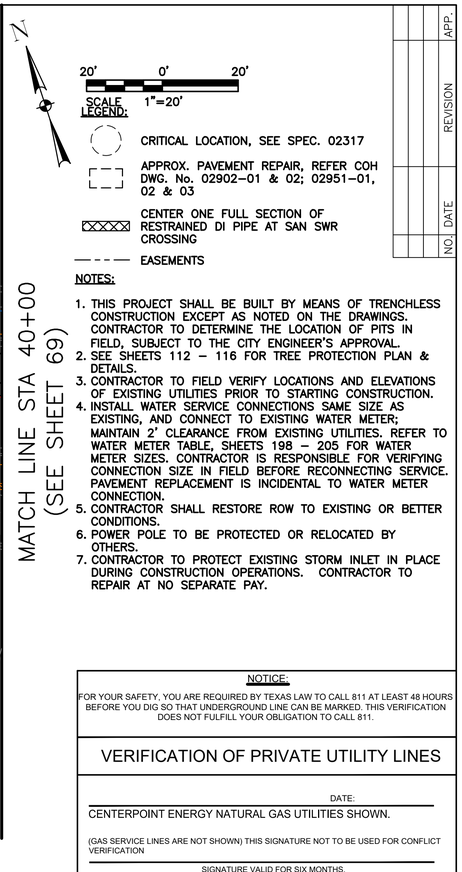
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PROFILE VIEW
STA. 30+00 TO STA. 35+00
(SHEET 12 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 66 OF 318	



SEE SHEET 68
FOR PROFILE VIEW



NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
10. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZE PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

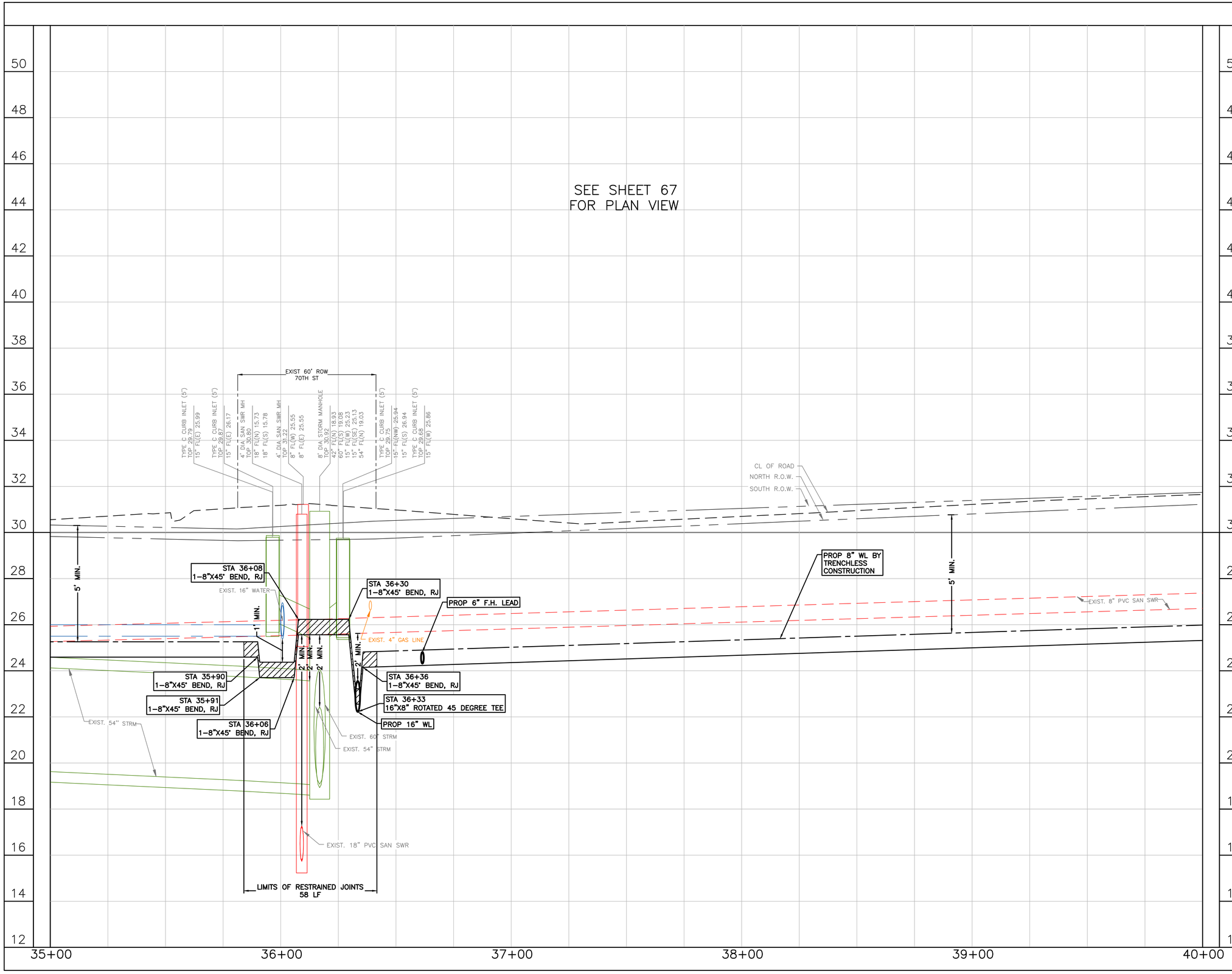
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN VIEW
STA. 35+00 TO STA. 40+00
(SHEET 12 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 67 OF 318	

PLOTTED: 12/12/2025 1:58 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-2.dwg

PLOTTED: 12/12/2025 1:58 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-2.dwg



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PROFILE VIEW
STA. 35+00 TO STA. 40+00
(SHEET 13 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 68 OF 318	

PLOTTED: 12/12/2025 1:59 PM

MATCH LINE STA 40+00
(SEE SHEET 67)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 40+66, 11.03' LT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

AVENUE C
(60' R.O.W.)

BASELINE "AVENUE C–1"

BEGIN BASELINE
STA. 0+00.00
N:13835651.2320
E:3142887.3775

71ST STREET
(SEE SHEET 175)

STA 43+83, 21.28' LT
1–6" CUT, PLUG & ABANDON

STA 43+79, 21.30' LT
1–6" CUT, PLUG & ABANDON

SEE NOTE 6

STA 44+10, 10.60' LT
1–8"X8" TEE, RJ
2–8" GV w/ BOX

STA 44+10, 12.87' RT
1–8"X8" TEE, RJ
2–8" GV w/ BOX

STA 44+20, 11.09' RT
REMOVE & SALVAGE EXIST F.H.

STA 44+27, 9.33' RT
2–6" CUT, PLUG & ABANDON

AVENUE C STA 44+01.34
71ST ST STA 6+37.11

END BASELINE
STA. 45+00.00
N:13835593.4604
E:3143185.3034

SEE NOTE 10

SEE NOTE 6

STA 44+38, 9.32' RT
1–6" WET CONNECTION
1–6" GV w/ BOX
1–6"X6" TEE, RJ
SEE NOTE 8

BASELINE "AVENUE C–2"

71ST STREET
(SEE SHEET 175)

(SEE SHEET 70)

NOTES CONT'D:

8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATER LINE.

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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AVENUE C (WEST OF 71ST)

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.
EXIST. 50' ROW 71ST ST
PROP 6" F.H. LEAD
EXIST. 8" PVC SAN SWR
5' MIN.
PROP 8" WL BY TRENCHLESS CONSTRUCTION
EXIST. 8" PVC SAN SWR
EXIST. 24" RCP
EXIST. 8" WATER
1' MIN.
STA 44+10 8"X8" TEE
PROP 8" WL

DCCM

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (WEST OF 71ST)
PLAN AND PROFILE
STA. 40+00 TO STA. 44+50
(SHEET 14 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 69 OF 318	

APP. | REVISION | NO. | DATE

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-2.dwg

PLOTTED: 12/12/2025 1:59 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-3.dwg

71ST STREET (SEE SHEET 175)

(SEE SHEET 69)

71ST STREET (SEE SHEET 173)

AVENUE C (50' R.O.W.)

MATCH LINE STA 6+00 (SEE SHEET 71)

STA 43+72, 10.69' LT 1–8" GV w/ BOX

STA 44+10, 10.60' LT 1–8"X8" TEE, RJ 2–8" GV w/ BOX

STA 44+10, 12.87' RT 1–8"X8" TEE, RJ 1–8" GV w/ BOX

STA 2+22, 24.63' LT REMOVE & SALVAGE EXIST F.H.

STA 2+30, 26.34' LT 2–6" CUT, PLUG & ABANDON

END BASELINE STA. 45+00.00 N:13835593.4617 E:3143185.2996

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

STA 4+22, 21.24' LT 1–8"X6" HYDRANT TEE, RJ 1–6" GV w/ BOX 1–F.H. (4' BURY MIN.)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 4+96, 20.65' LT 1–8"X45° BEND, RJ

STA 5+06, 11.07' LT 1–8"X45° BEND, RJ

BASELINE "AVENUE C–1"

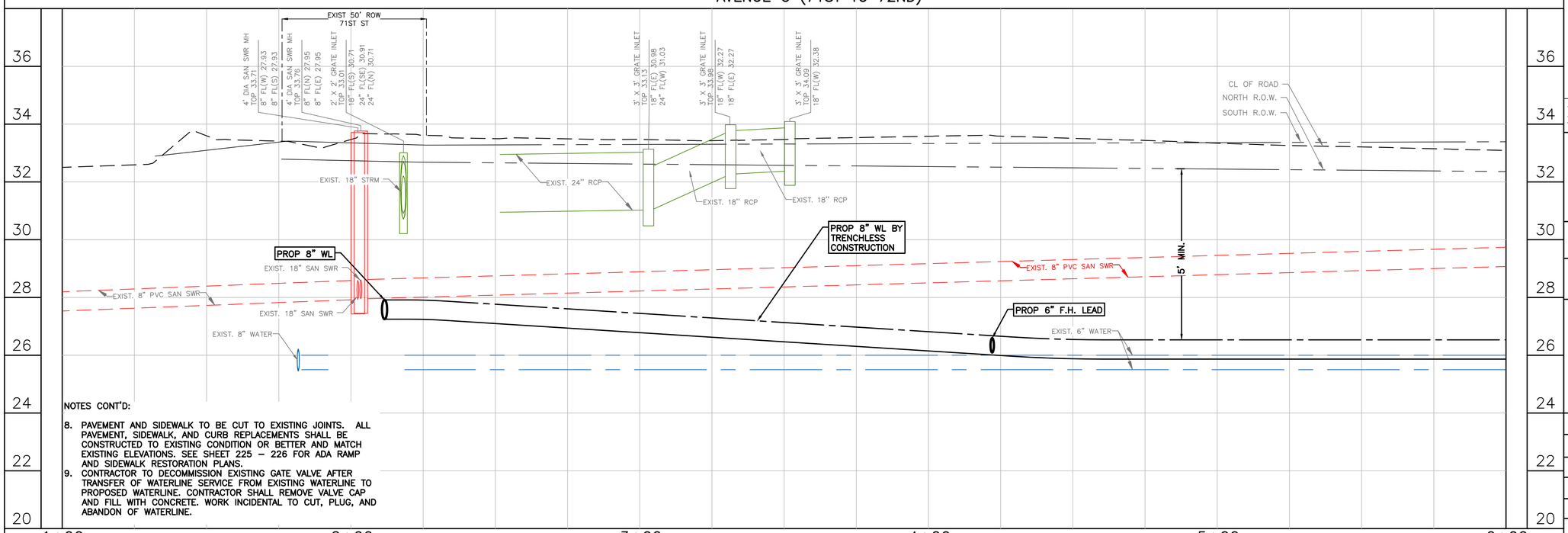
BASELINE "AVENUE C–2"

AVENUE C STA 2+03.08 71ST ST STA 6+01.28

STA 44+38, 9.32' RT 1–6" WET CONNECTION 1–6" GV w/ BOX 1–6"X6" TEE, RJ SEE NOTE 8

SEE NOTE 6

AVENUE C (71ST TO 72ND)



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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

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SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
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- EASEMENTS

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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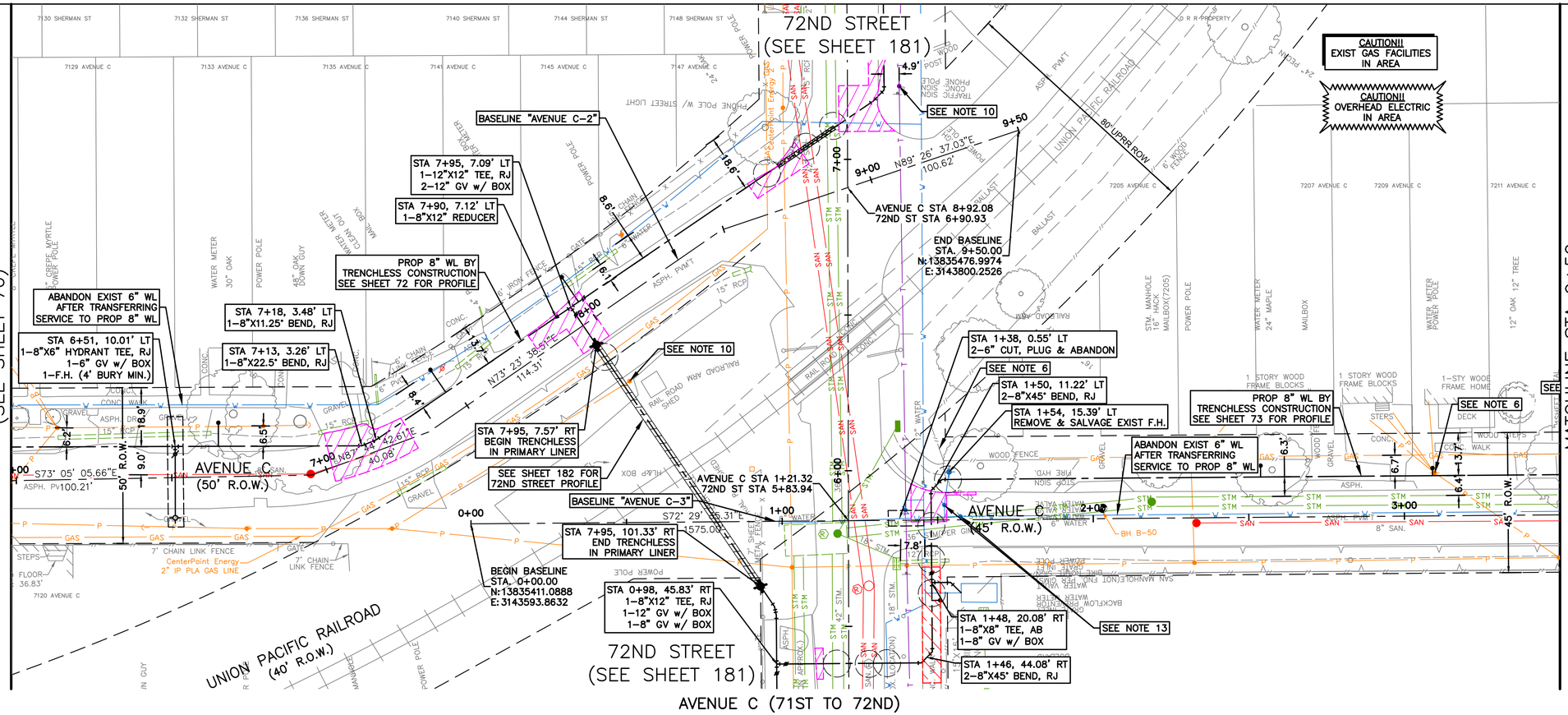
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (71ST TO 72ND)
PLAN AND PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 15 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 70 OF 318	



SEE SHEETS 72 AND 73
FOR PROFILE VIEWS

SCALE 1"=20'

LEGEND:

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.

NOTES CONT'D:

6. CONTRACTOR TO TEMPORARILY REMOVE AND REPLACE WOODEN FENCE DURING TUNNELING OPERATIONS.
7. CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UNION PACIFIC RAILROAD (UPRR) AT 682–223–5271 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT–OF–WAY.
8. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OF CRITICAL STRUCTURES ADJACENT TO THE WATER LINE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SETTLEMENT MITIGATION, AS NECESSARY. SETTLEMENT MONITORING AND MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION. SEE SPEC SECTION 02425.
9. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AROUND UPRR FACILITIES AND RIGHT–OF–WAY.
10. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
11. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
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NO.	DATE	REVISION	APP.

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

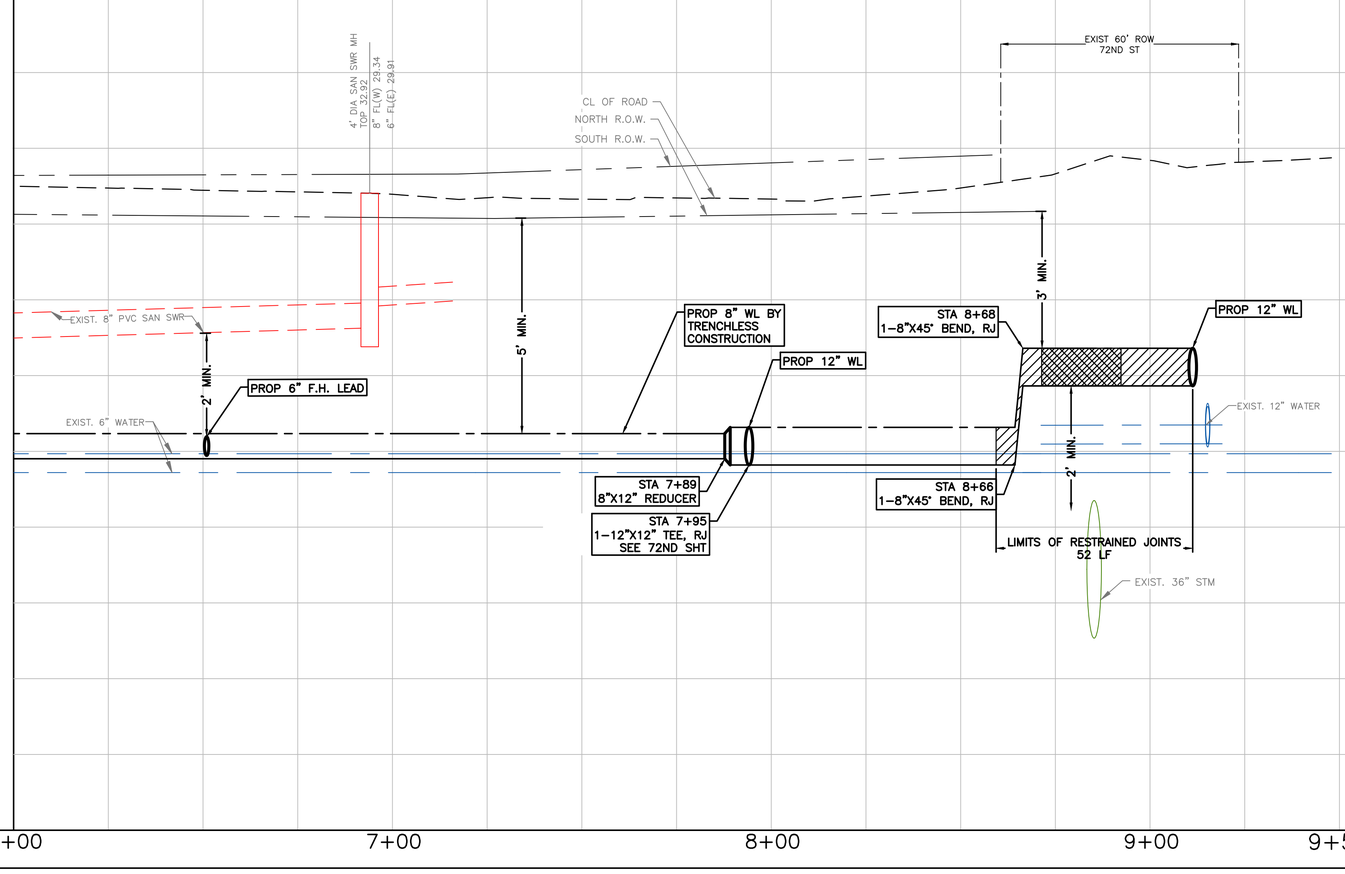
AVENUE C (71ST TO 72ND)
PLAN VIEW
STA. 6+00 TO STA. 9+50
(SHEET 16 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 71 OF 318	

PLOTTED: 12/12/2025 2:00 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – AVENUE C–3.dwg

PLOTTED: 12/12/2025 2:00 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-3.dwg

SEE SHEET
71 FOR
PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX (6) MONTHS

DATE:
AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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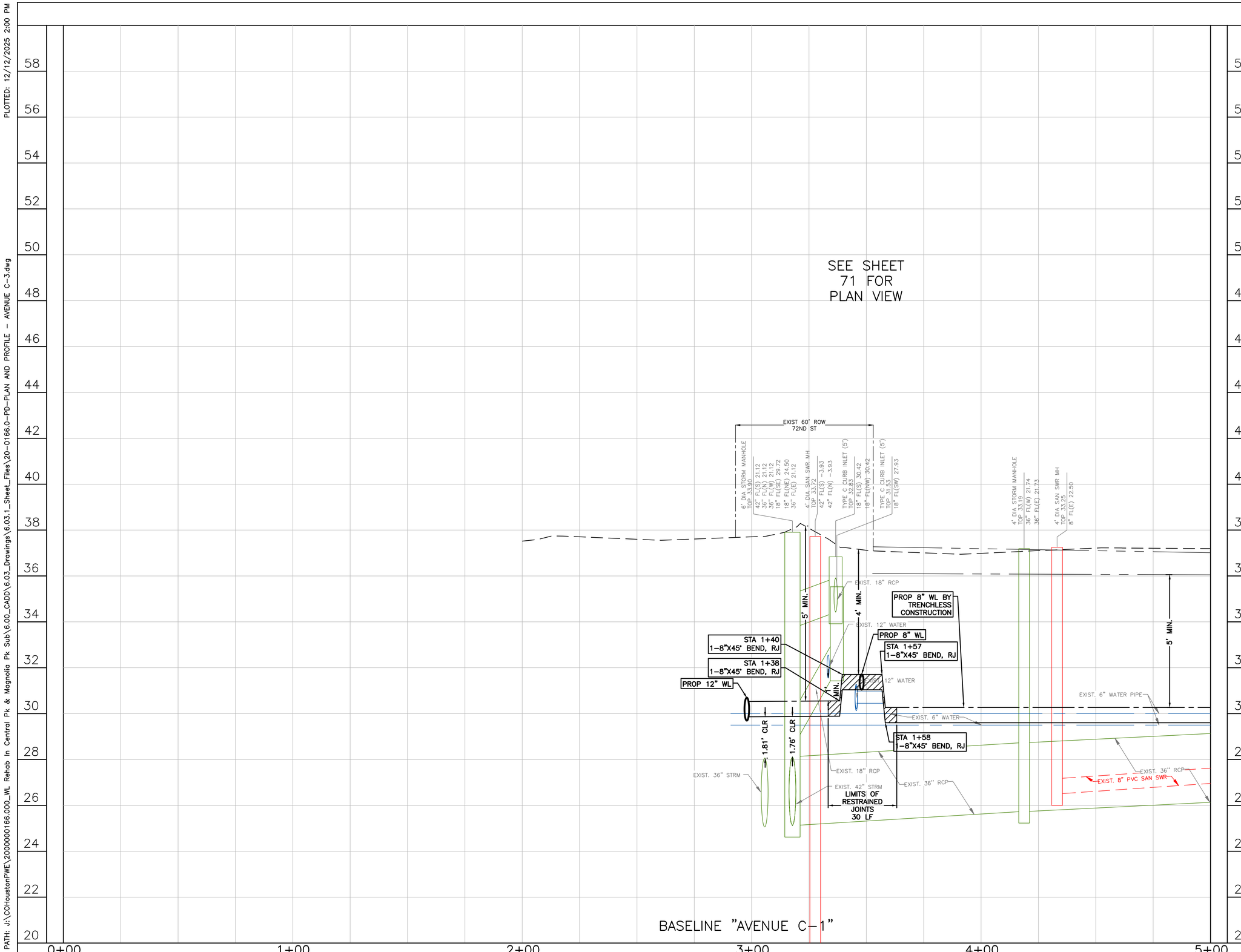
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (71ST TO 72ND)
PROFILE VIEW
STA. 6+00 TO STA. 9+50
(SHEET 17 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 72 OF 318	

PLOTTED: 12/12/2025 2:00 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-3.dwg



NO.	DATE	REVISION	APP.

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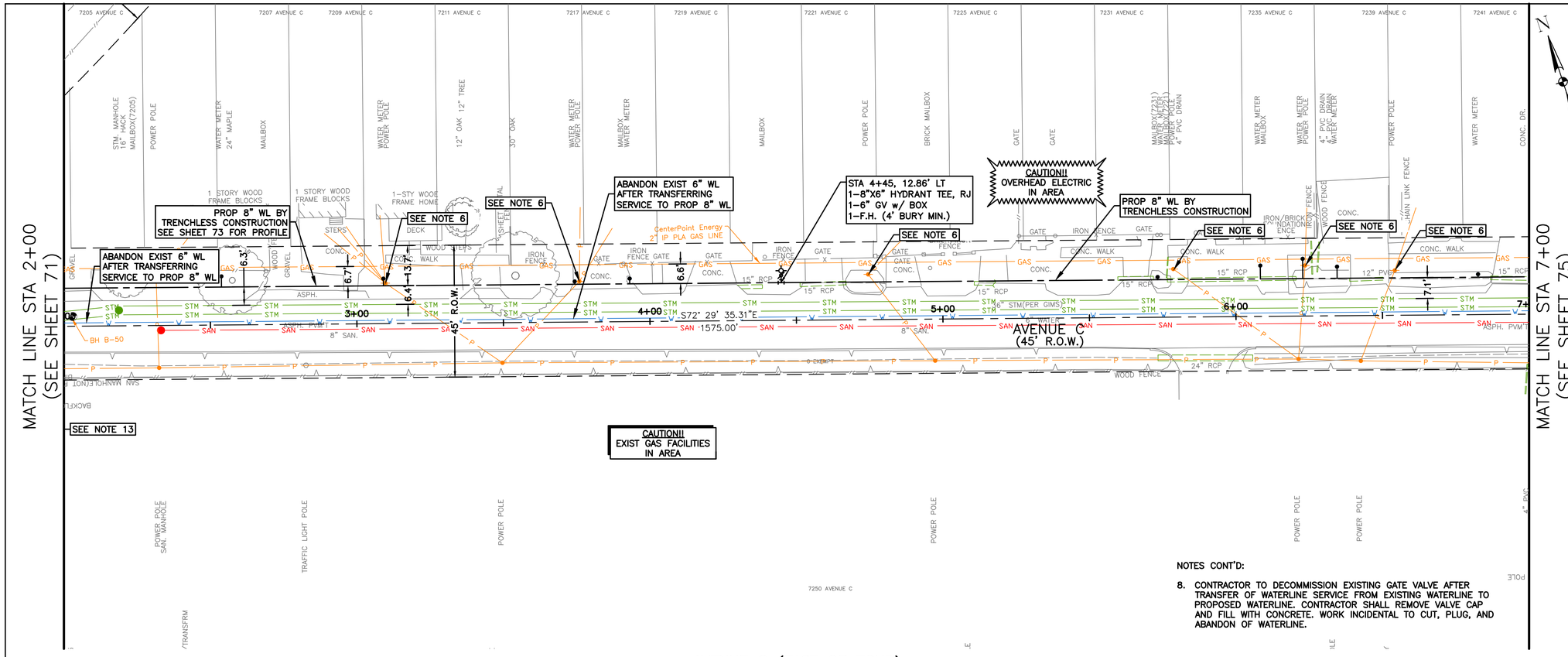
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (EAST OF 72ND)
PROFILE VIEW
STA. 0+00 TO STA. 3+00
(SHEET 18 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 73 OF 318	

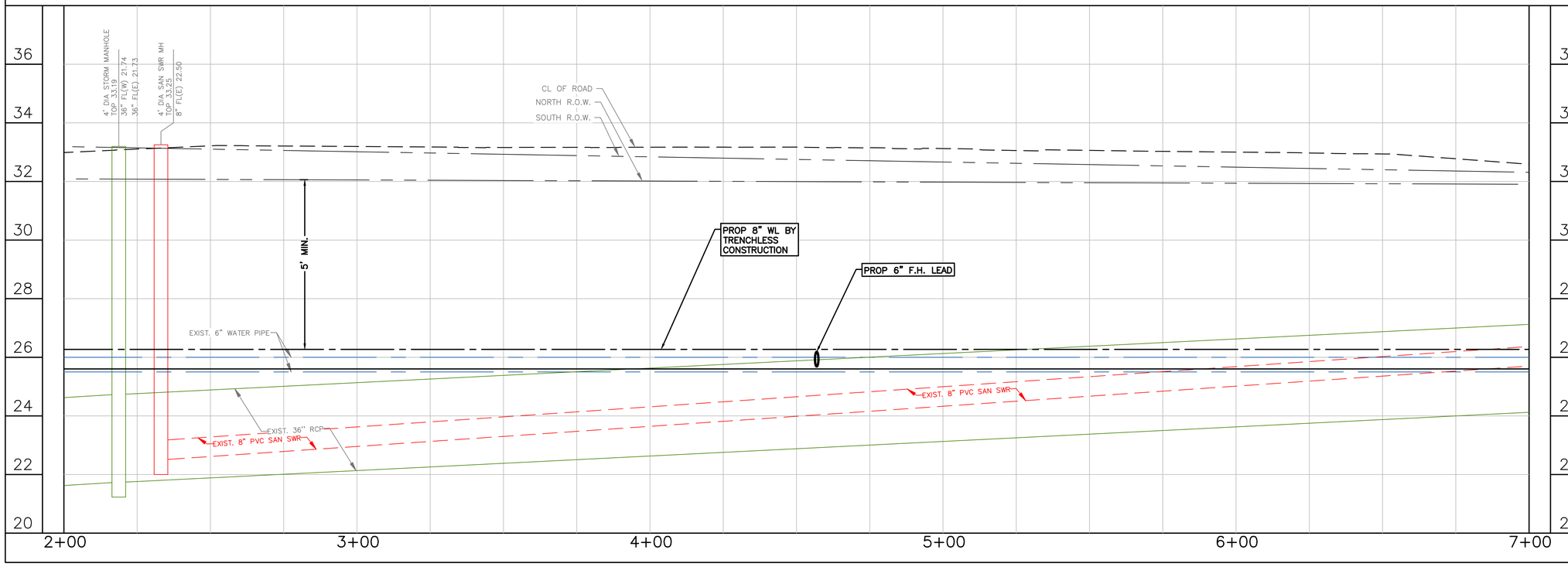
PLOTTED: 12/12/2025 2:00 PM



NOTES CONT'D:

8. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

AVENUE C (EAST OF 72ND)



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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1710 Seamist Dr, Houston, TX 77008
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ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

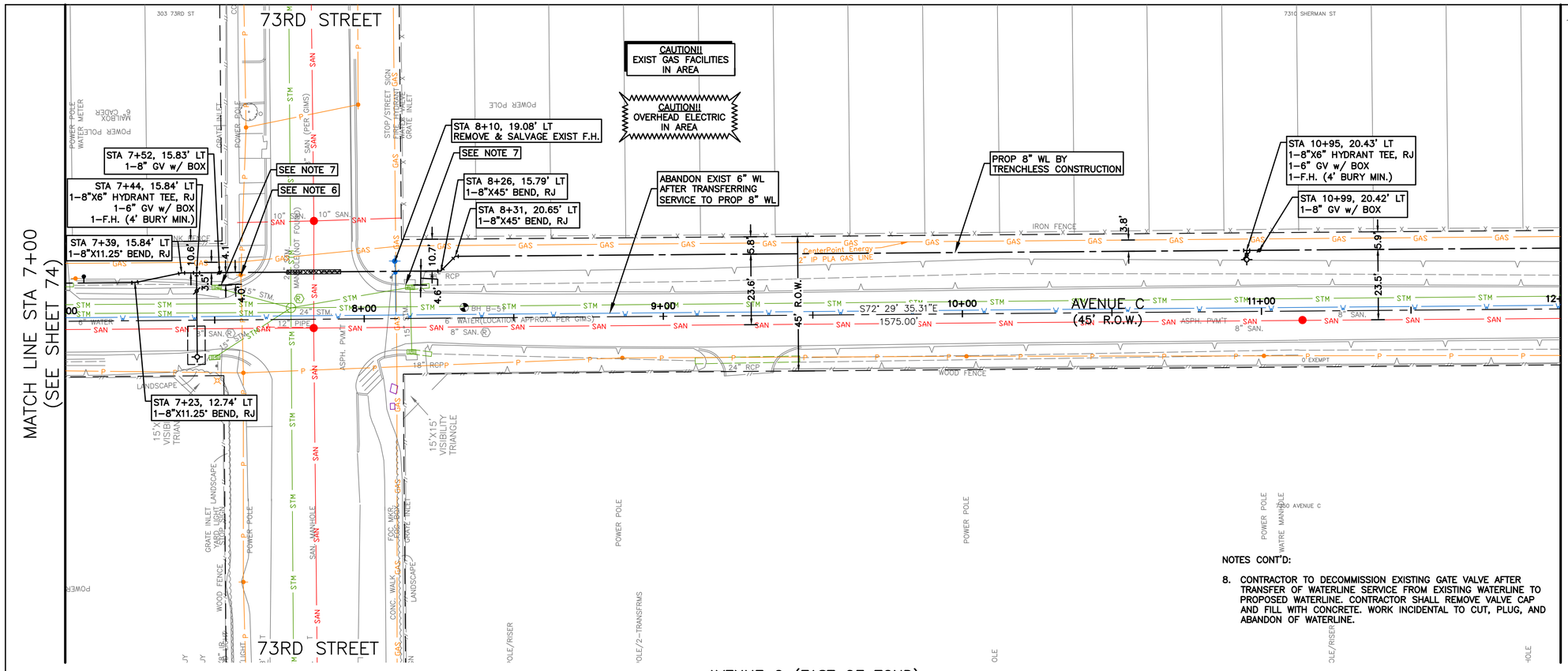
AVENUE C (EAST OF 72ND)
PLAN AND PROFILE
STA. 2+00 TO STA. 7+00
(SHEET 19 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 74 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-3.dwg

PLOTTED: 12/12/2025 2:01 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-3.dwg



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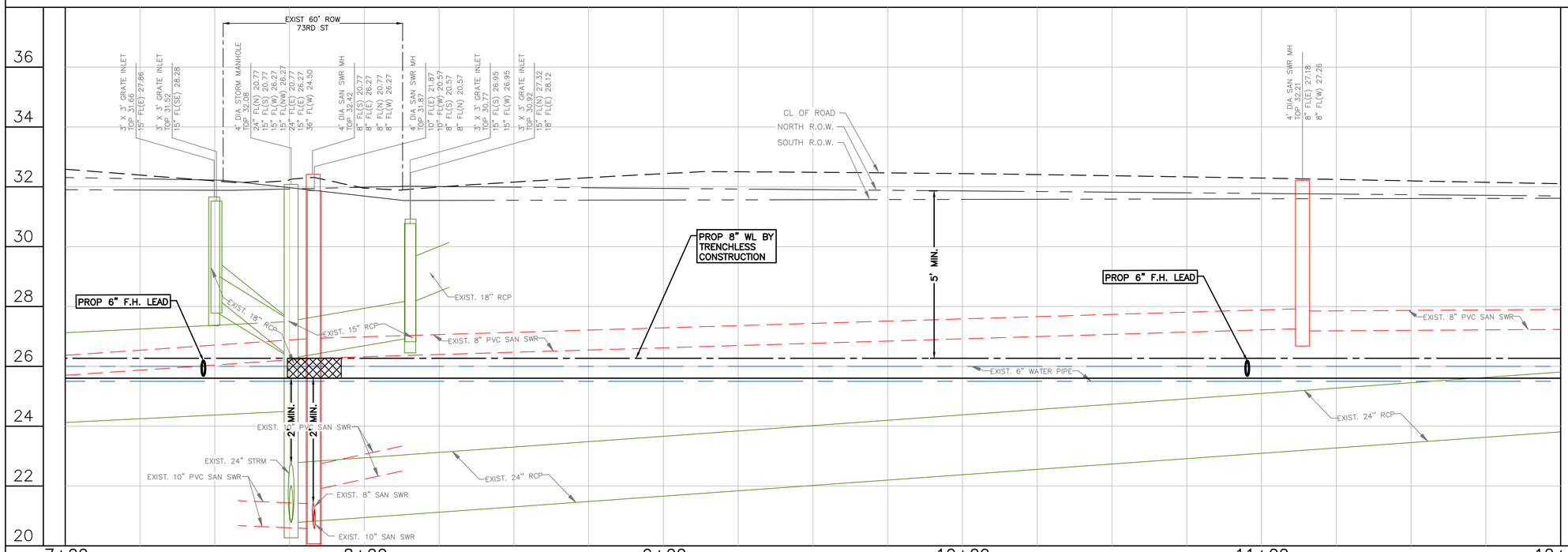
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

AVENUE C (EAST OF 72ND)



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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

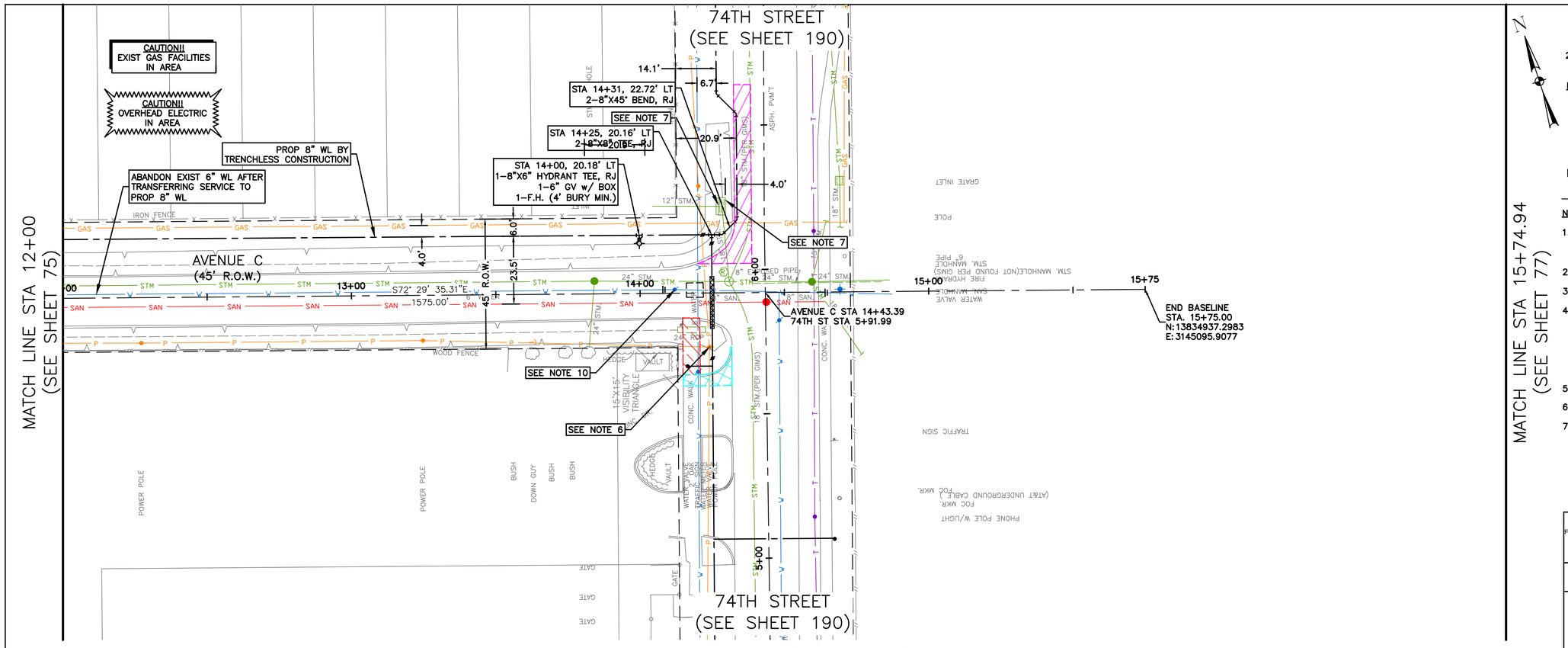
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

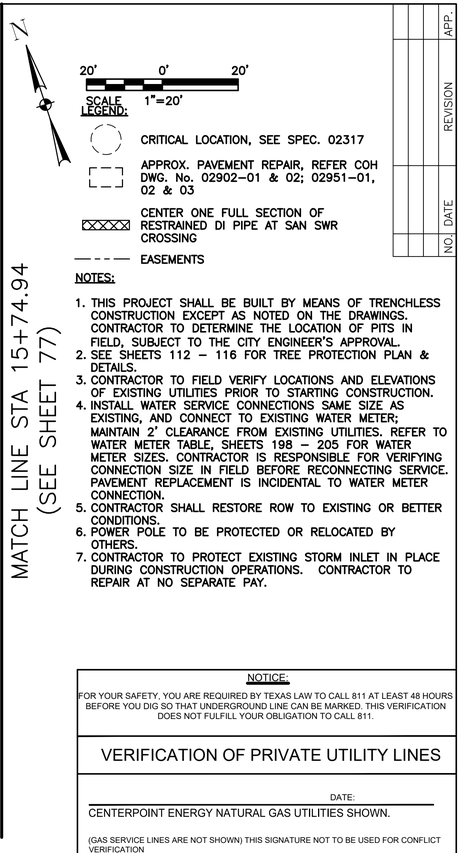
AVENUE C (EAST OF 72ND)
PLAN AND PROFILE
STA. 7+00 TO STA. 12+00
(SHEET 20 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 75 OF 318	

NO.	DATE	REVISION	APP.

PLOTTED: 12/12/2025 2:01 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE C-3.dwg





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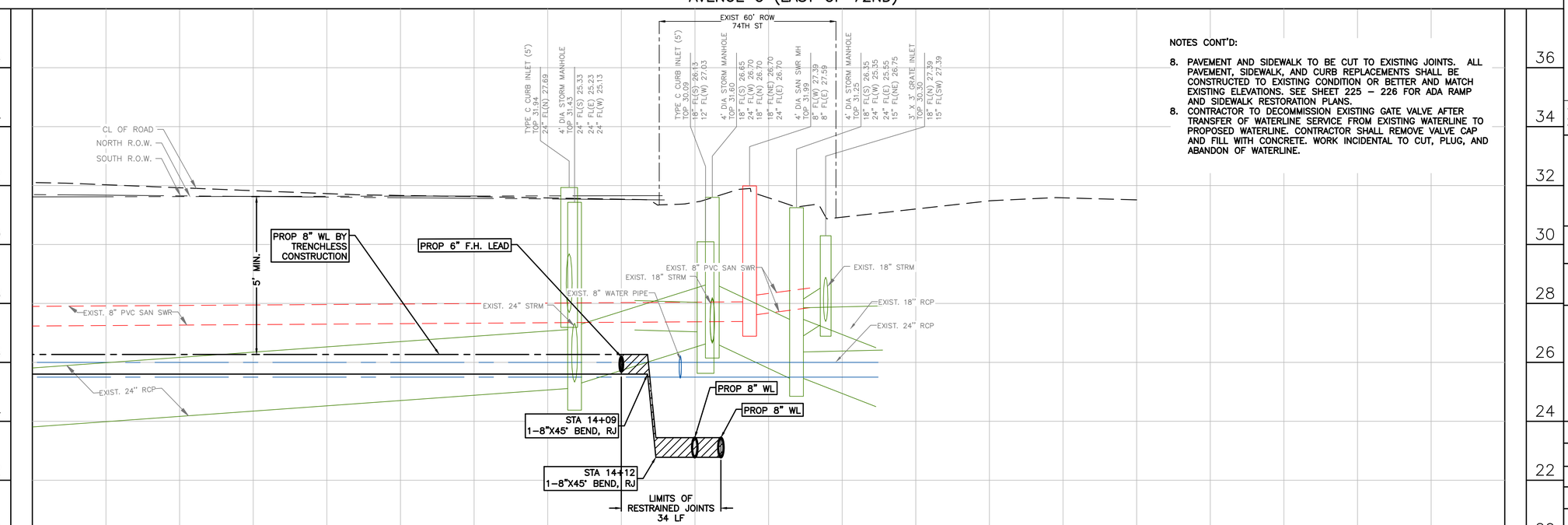

NOTES CONT'D:

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NO.	DATE	REVISION	APP.

DCCM

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE C (EAST OF 72ND)
PLAN AND PROFILE
STA. 12+00 TO STA. 15+74.94
(SHEET 21 OF 21)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 76 OF 318	

PLOTTED: 12/12/2025 5:32 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-1.dwg

MATCH LINE STA 1+00 (SEE SHEET 76)

MATCH LINE STA 6+00 (SEE SHEET 78)

65TH STREET (SEE SHEET 141)

65TH STREET (SEE SHEET 141)

SHERMAN ST (WEST OF 71ST)

SHERMAN STREET (70' R.O.W.)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

STA 1+96, 15.22' LT
2–12"X45° BEND, RJ

SEE NOTE 7

SEE NOTE 11

STA 1+95, 3.25' LT
1–12" GV w/ BOX

STA 1+97, 8.66' RT
2–12"X45° BEND, RJ

STA 2+27, 12.49' RT
REMOVE & SALVAGE EXIST F.H.

PROPOSED 12" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

PROPOSED 12" WL BY TRENCHLESS CONSTRUCTION

SEE SHEET 78 FOR PROFILE

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

SEE NOTE 10

STA 4+44, 32.55' LT
1–12"X45° BEND, RJ

STA 4+30, 20.84' LT
1–12"X45° BEND, RJ

PROP WLE
15' X 15'

SEE NOTE 7

SHERMAN ST STA 4+69.74
65TH ST STA 9+54.12

PROPOSED 20" WL BY TRENCHLESS CONSTRUCTION

STA 3+92, 8.22' RT
1–12"X20" REDUCER

PROPOSED 20" WL BY TRENCHLESS CONSTRUCTION

REMOVE & SALVAGE EXIST F.H.

STA 4+88, 31.21' LT
1–20"X12" TEE, RJ
1–12" GV w/ BOX
1–20" GV w/ BOX

PROP TCE
12' X 10'

SEE NOTE 10

ABANDON EXIST 24" WL (SEE NOTE 12)

STA 4+88, 9.56' RT
1–20"X20" TEE, RJ
2–20" GV w/ BOX

ABANDON EXIST 4" WL AFTER TRANSFER OF SERVICE

SEE NOTE 7

SEE NOTE 10

1–4" CUT, PLUG & ABANDON

STA 4+82, 9.22' RT
1–20"X8" TEE, RJ
1–8" GV w/ BOX

PROPOSED 8" WL BY TRENCHLESS CONSTRUCTION

STA 5+54, 10.21' RT
1–20"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

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3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING CONNECTION.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
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NOTES CONT'D

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.
11. CONTRACTOR TO PROTECT EXIST TRAIL GUARD, DIAMOND SIGNS, AND POSTS.
12. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

EXIST. 18" STRM
EXIST. 18" RCP
EXIST. 8" PVC SAN SWR
EXIST. 24" RCP
8" C.I. SLUDGE LINE F.M. (APPROX. DEPTH)
PROP 12" WL
5' MIN.
PROP 12" WL BY TRENCHLESS CONSTRUCTION
APPROX. DEPTH 4'–5' ACC'D TO REC DWG FIELD VERIFY
EXIST. 24" WATER
EXIST. 6" WATER
EXIST. 8" PVC SAN SWR
EXIST. 18" STRM
EXIST. 8" PVC SAN SWR
EXIST. 24" WATER PIPE
EXIST. 12" STRM RCP
EXIST. 42" RCP
EXIST. 18" STRM
EXIST. 12" WATER
EXIST. 12" WATER
EXIST. 8" WATER
EXIST. 4" WATER
STA 4+39
1–12"X45° BEND, RJ
STA 4+44
1–12"X45° BEND, RJ
2' MIN.
2' MIN.
1' MIN.
LIMITS OF RESTRAINED JOINTS 55 LF
PROP 20" WL
EXIST 60' ROW 65TH ST
CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PLAN AND NORTH ROW PROFILE STA. 1+00 TO STA. 6+00 (SHEET 1 OF 26)

WBS NUMBER	S–000035–0267–3
DRAWING SCALE	HORIZ: 1"=20' VERT: 1"=2'
CITY OF HOUSTON PM	ROWAIDAH AYOUB, P.E.
SHEET NO.	77 OF 318

FOR CITY OF HOUSTON USE ONLY

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-1.dwg
PLOTTED: 12/12/2025 5:33 PM

MATCH LINE STA 1+00 (SEE SHEET 77)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

STA 1+96, 15.22' LT 2–12"X45° BEND, RJ

SEE NOTE 7

SEE NOTE 11

STA 1+95, 3.25' LT 1–12" GV w/ BOX

STA 1+97, 8.66' RT 2–12"X45° BEND, RJ

STA 2+27, 12.49' RT REMOVE & SALVAGE EXIST F.H.

PROPOSED 12" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

PROPOSED 12" WL BY TRENCHLESS CONSTRUCTION

SEE SHEET 78 FOR PROFILE

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

SEE NOTE 10

STA 4+44, 32.55' LT 1–12"X45° BEND, RJ

STA 4+30, 20.84' LT 1–12"X45° BEND, RJ

PROP WLE 15' X 15'

SEE NOTE 7

SHERMAN ST STA 4+69.74
65TH ST STA 9+54.12

PROPOSED 20" WL BY TRENCHLESS CONSTRUCTION

STA 3+92, 8.22' RT 1–12"X20" REDUCER

65TH STREET (SEE SHEET 141)

PROPOSED 20" WL BY TRENCHLESS CONSTRUCTION

REMOVE & SALVAGE EXIST F.H.

STA 4+88, 31.21' LT 1–20"X12" TEE, RJ 1–12" GV w/ BOX 1–20" GV w/ BOX

PROP TCE 12' X 10'

SEE NOTE 10

ABANDON EXIST 24" WL (SEE NOTE 12)

STA 4+88, 9.56' RT 1–20"X20" TEE, RJ 2–20" GV w/ BOX

ABANDON EXIST 4" WL AFTER TRANSFER OF SERVICE

SHERMAN STREET (70' R.O.W.)

SEE NOTE 7

SEE NOTE 10

1–4" CUT, PLUG & ABANDON

STA 4+82, 9.22' RT 1–20"X8" TEE, RJ 1–8" GV w/ BOX

PROPOSED 8" WL BY TRENCHLESS CONSTRUCTION

STA 5+54, 10.21' RT 1–20"X6" HYDRANT TEE, RJ 1–6" GV w/ BOX 1–F.H. (4' BURY MIN.)

65TH STREET (SEE SHEET 141)

MATCH LINE STA 6+00 (SEE SHEET 79)

SHERMAN ST (WEST OF 71ST)

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING CONNECTION.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

SHERMAN ST (WEST OF 71ST)

EXIST. 18" STRM
EXIST. 18" RCP
8" C.I. SLUDGE LINE F.M. (APPROX. DEPTH)
PROP 12" WL
EXIST. 8" PVC SAN SWR
EXIST. 24" RCP
EXIST. 12" WATER
PROP 12" WL BY TRENCHLESS CONSTRUCTION
5' MIN.
APPROX. DEPTH 4'–5' ACC'D TO REC DWG FIELD VERIFY
EXIST. 24" WATER
EXIST. 8" PVC SAN SWR
EXIST. 6" WATER
EXIST. 42" RCP
EXIST. 12" WATER
EXIST. 18" STRM
EXIST. 8" WATER
PROP 20" WL BY TRENCHLESS CONSTRUCTION
EXIST. 8" PVC SAN SWR
EXIST. 24" WATER PIPE
EXIST. 12" STRM RCP
EXIST. 4" WATER
PROP 6" F.H. LEAD
STA 4+11 1–20"X45° BEND, RJ
STA 4+16 1–20"X45° BEND, RJ
STA 5+16 1–20"X45° BEND, RJ
STA 5+12 1–20"X45° BEND, RJ
PROP 8" WL
PROP 20" WL
LIMITS OF RESTRAINED JOINTS 128 LF
2' MIN.
1' MIN.

NOTES CONT'D

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS.
10. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
11. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

DCCM Infrastructure, Inc. | TxEng F-257
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713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

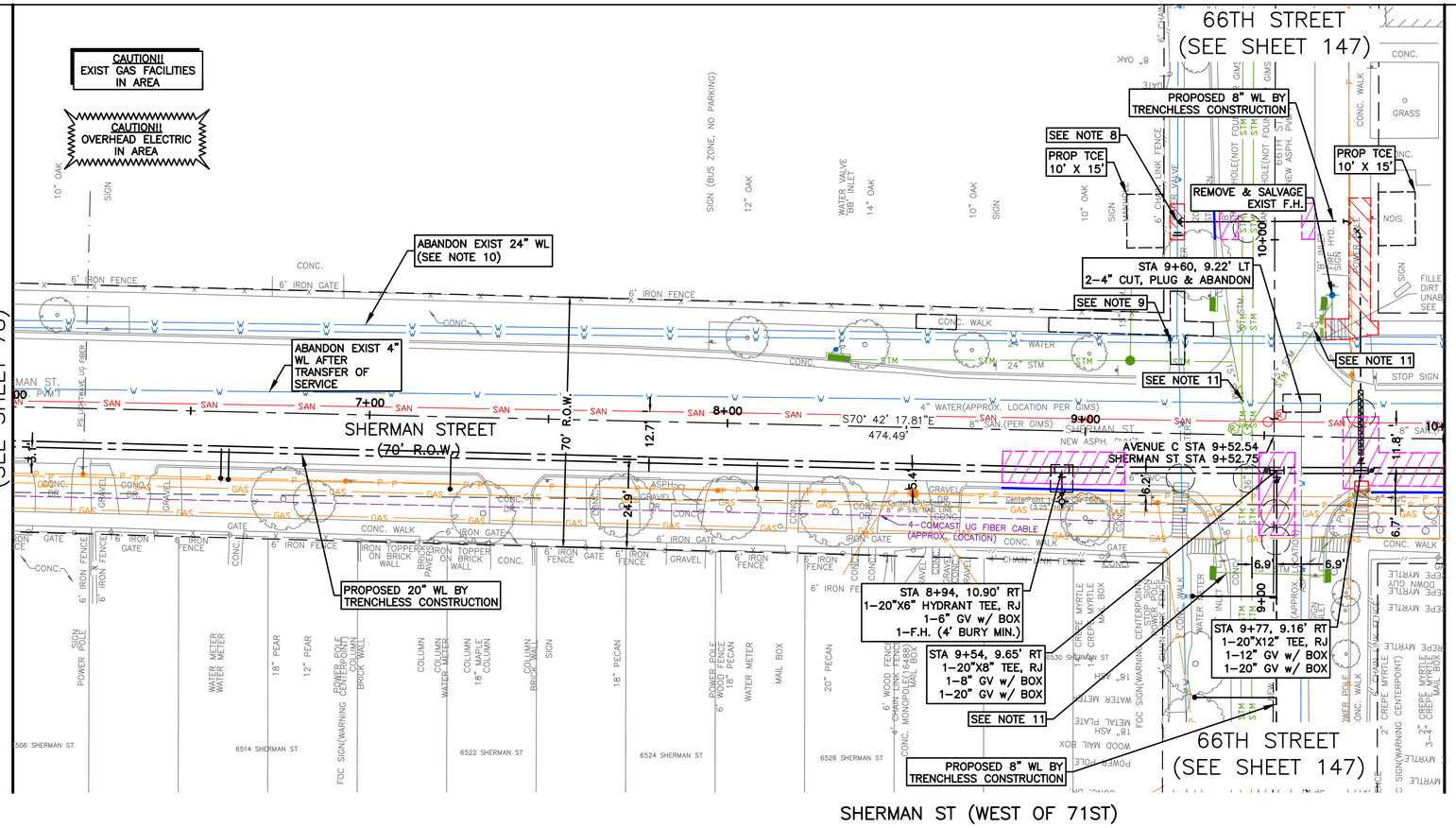
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PLAN AND SOUTH ROW PROFILE STA. 1+00 TO STA. 6+00 (SHEET 2 OF 26)

WBS NUMBER	S–000035–0267–3
DRAWING SCALE	HORIZ: 1"=20' VERT: 1"=2'
CITY OF HOUSTON PM	ROWAIDAH AYOUB, P.E.
SHEET NO.	78 OF 318

FOR CITY OF HOUSTON USE ONLY



SEE SHEET 80
FOR PROFILE VIEW

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING CONNECTION.

NOTES CONT'D

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.
11. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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SURVEYED BY:
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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PLAN
STA. 6+00 TO STA. 10+00
(SHEET 3 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 79 OF 318	

PLOTTED: 12/12/2025 5:36 PM

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PLOTTED: 12/12/2025 1:38 PM
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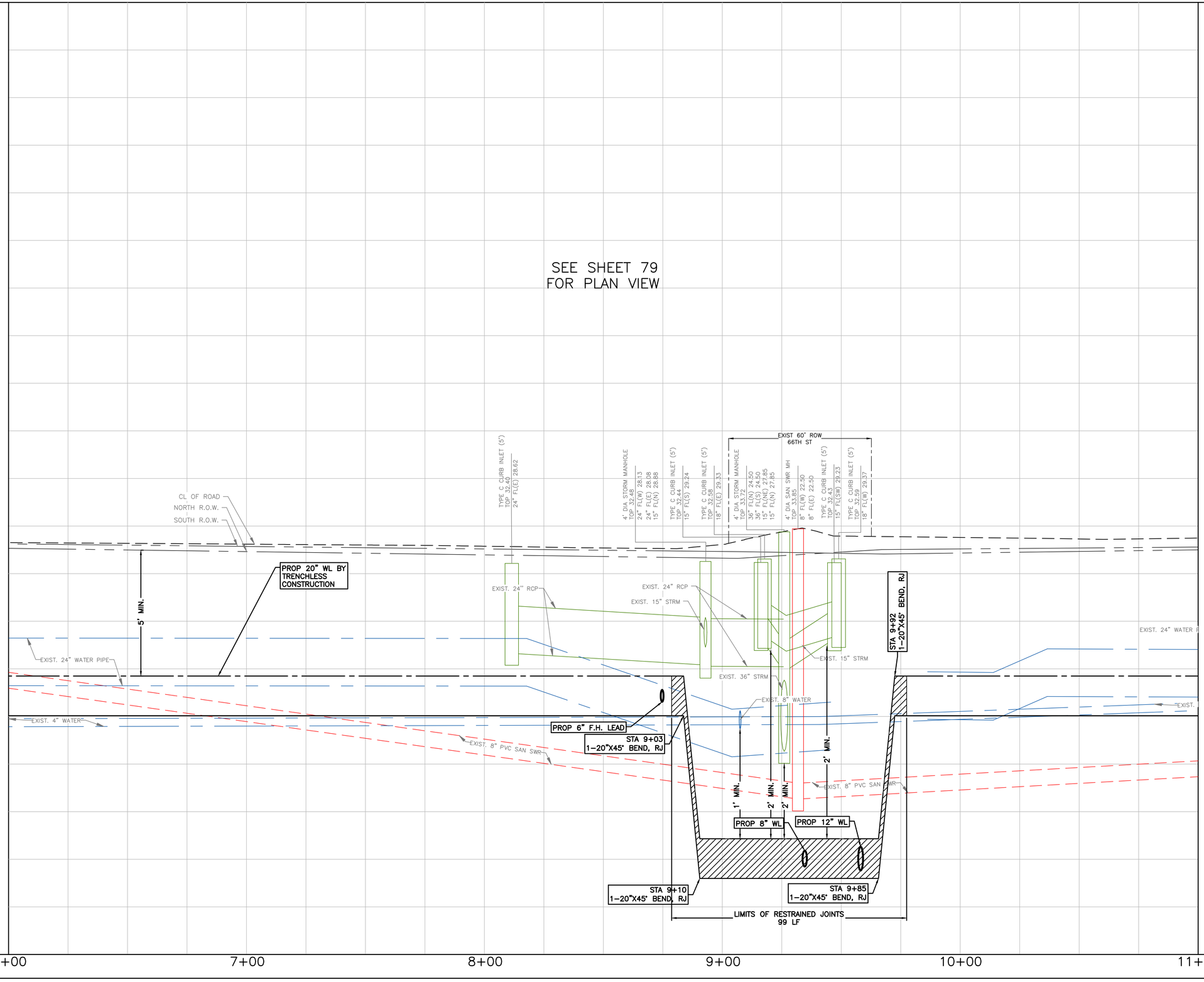
SEE SHEET 79
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST)
PROFILE
STA. 6+00 TO STA. 10+00
(SHEET 4 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 80 OF 318	

PLOTTED: 12/12/2025 1:38 PM

MATCH LINE STA 10+00 (SEE SHEET 80)

MATCH LINE STA 15+00 (SEE SHEET 82)

6601 SHERMAN ST | 6615 SHERMAN ST | 6619 SHERMAN ST | 6621 SHERMAN ST | 6623 SHERMAN ST | 6625 SHERMAN ST | 6627 SHERMAN ST

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

SEE NOTE 11

ABANDON EXIST 4" WL AFTER TRANSFER OF SERVICE

SHERMAN ST. NEW ASPH. PVM'T

SHERMAN STREET (70' R.O.W.)

S71° 59' 28.61"E 575.21'

4" WATER(APPROX. LOCATION PER GIMS)

CenterPoint Energy 8" HP STEEL GAS LINE

CenterPoint Energy 2" HP PLA GAS LINE (APPROX. LOCATION)

CenterPoint Energy 12" LOW WIRE ELEV. 32.32

CenterPoint Energy 12" HP STEEL GAS LINE (3.25' HORIZ. OFF)

SEE NOTE 6

STA 12+45, 8.45' RT
1–20"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

PROPOSED 20" WL BY TRENCHLESS CONSTRUCTION

70' R.O.W.

12.3'

5.0'

7.6'

25.9'

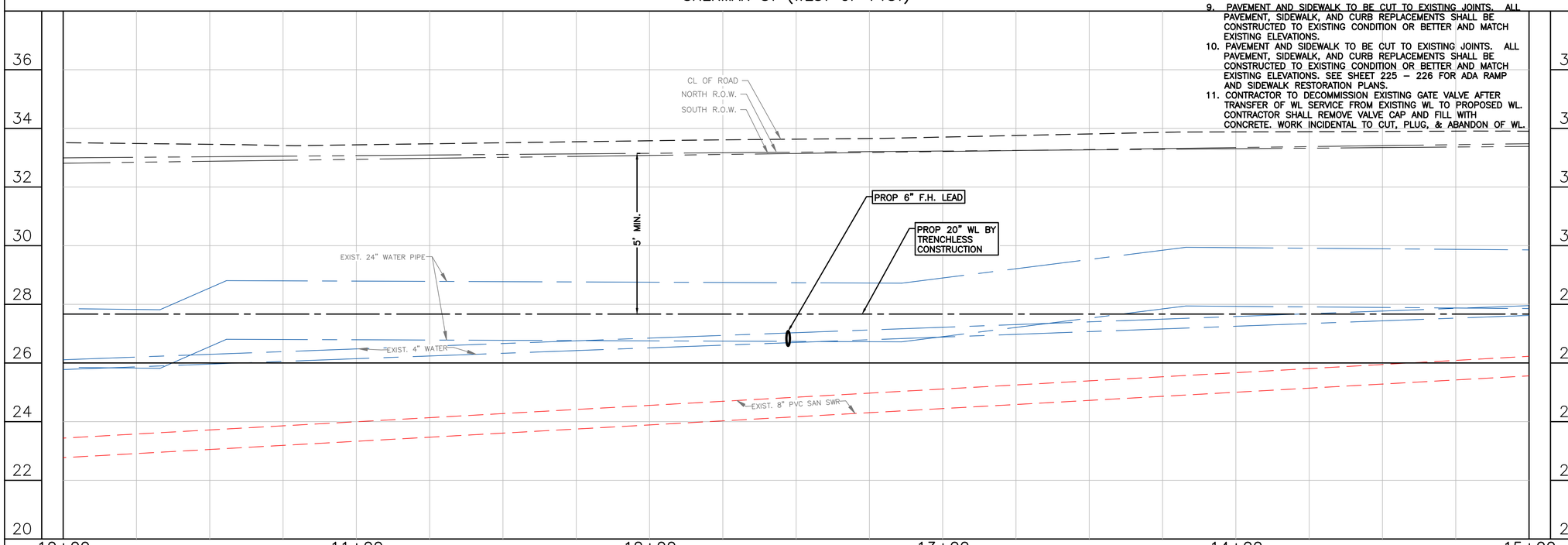
8.4'

3.9'

9.0'

6600 SHERMAN ST | 6604 SHERMAN ST | 6606 SHERMAN ST | 6614 SHERMAN ST | 6618 SHERMAN ST | 6620 SHERMAN ST | 6626 SHERMAN ST | 6630 SHERMAN ST | 6632 SHERMAN ST | 6636 SHERMAN ST | 6638 SHERMAN ST

SHERMAN ST (WEST OF 71ST)



20' 0' 20'

SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
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8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING CONNECTION.

NOTES CONT'D

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS.
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NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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FB NO. P–6397

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

CITY OF HOUSTON

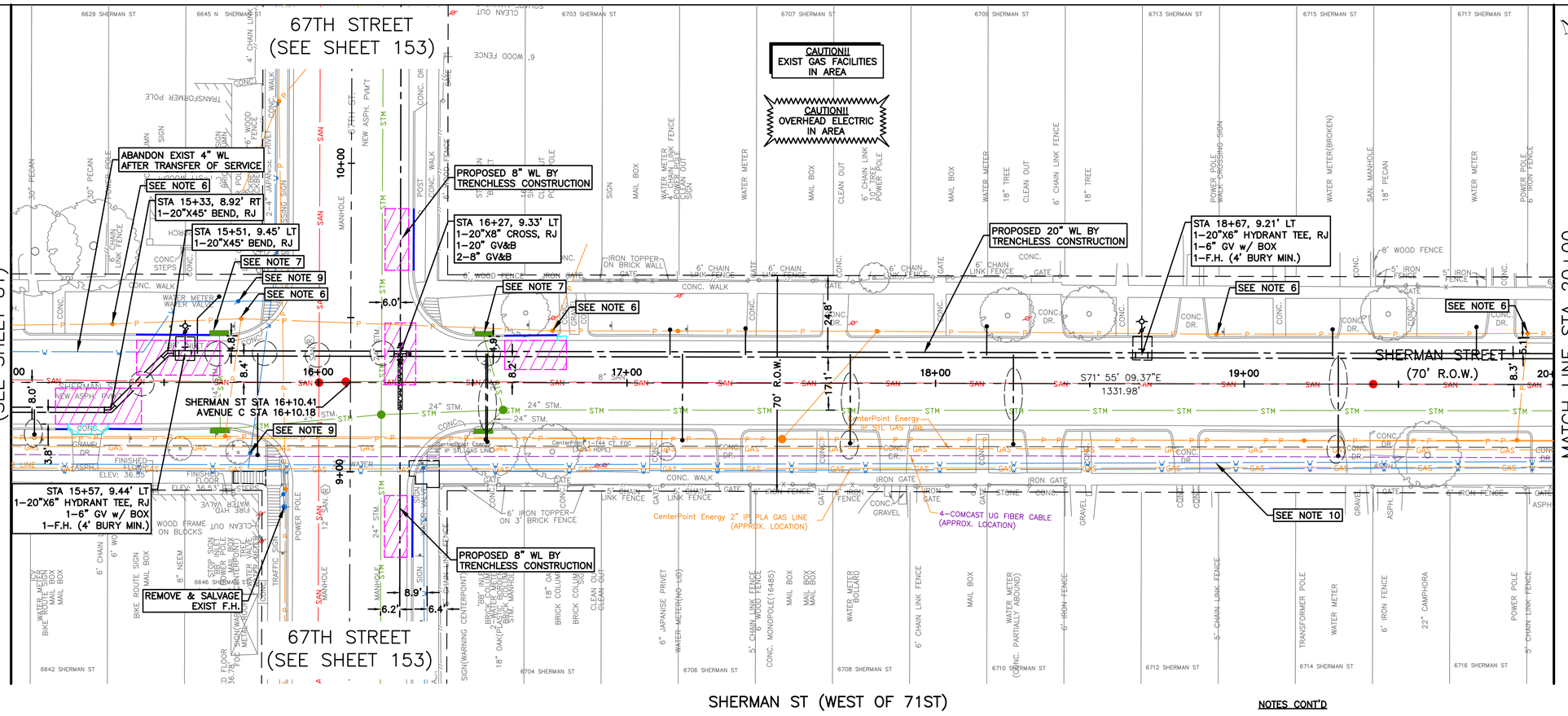
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST)
PLAN AND PROFILE
STA. 10+00 TO STA. 15+00
(SHEET 5 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 81 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – SHERMAN–1.dwg



SEE SHEET 83
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING CONNECTION.

NOTES CONT'D

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST)
PLAN
STA. 15+00 TO STA. 20+00
(SHEET 6 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 82 OF 318	

PLOTTED: 12/12/2025 1:39 PM
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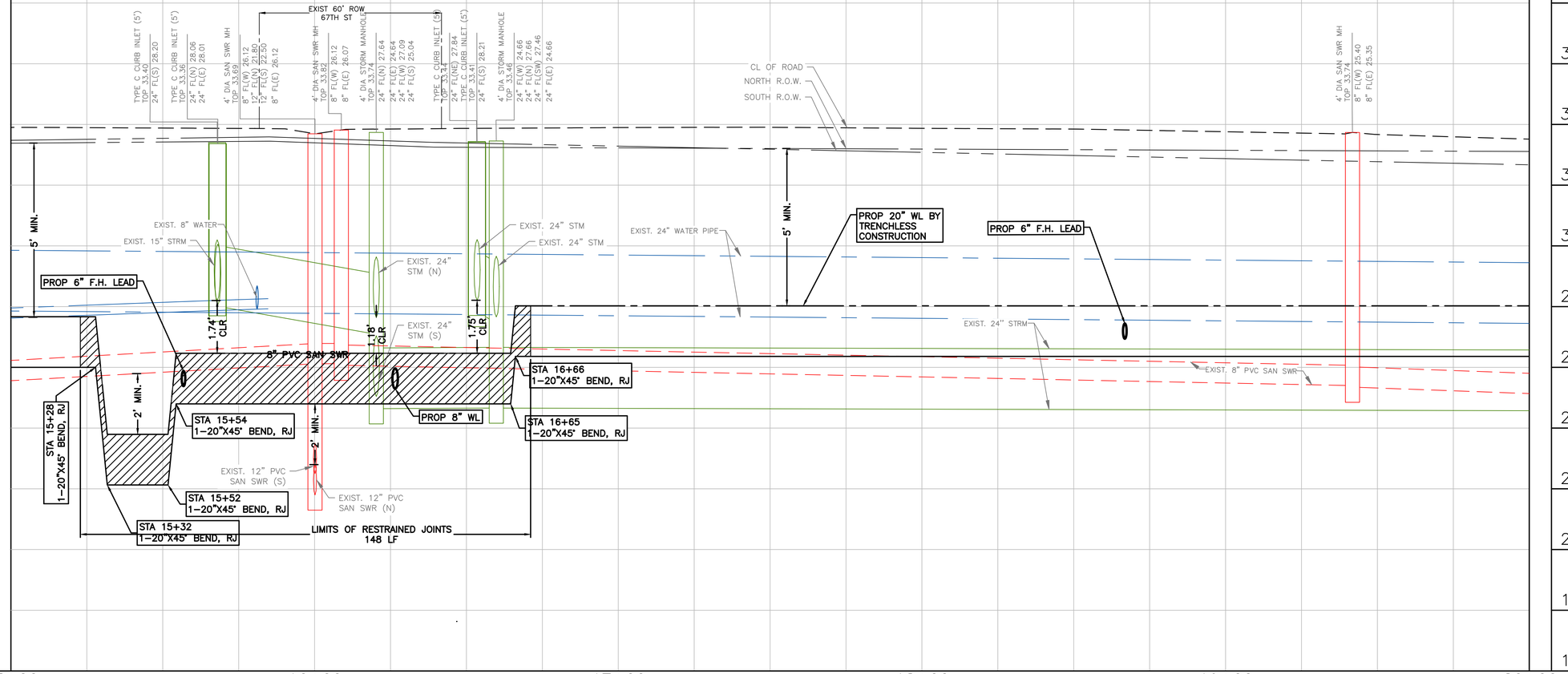
SEE SHEET 82
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PROFILE
STA. 15+00 TO STA. 20+00
(SHEET 7 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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DRAWING SCALE	
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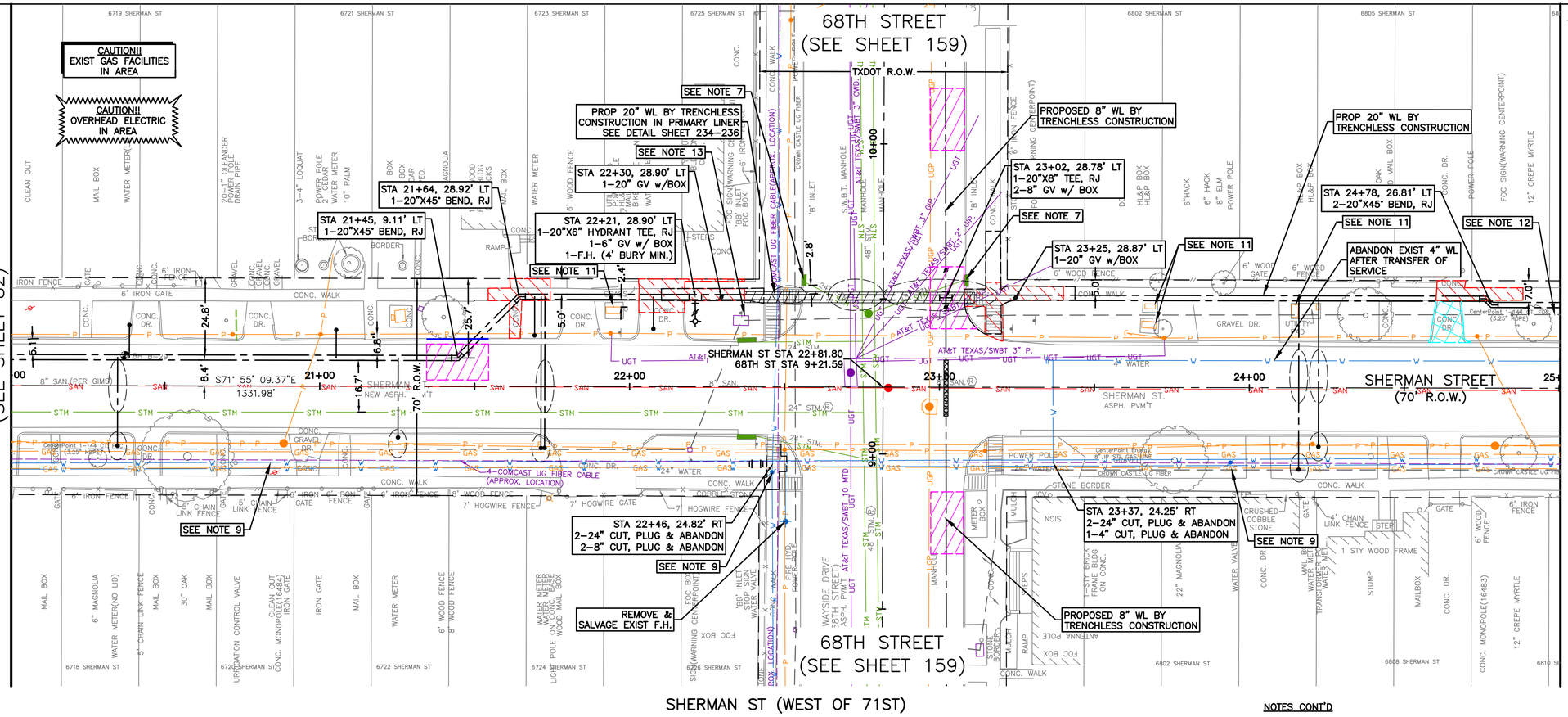
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 83 OF 318	



SEE SHEET 85
FOR PROFILE VIEW

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS.SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.
10. CONTRACTOR SHALL RESTORES EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 TO 226 FOR STANDARD DETAILS.
11. EXISTING HL&P BOX TO BE RELOCATED BY OTHERS.
12. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATED BY OTHERS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PLAN
STA. 20+00 TO STA. 25+00
(SHEET 8 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 84 OF 318	

PLOTTED: 12/12/2025 1:41 PM
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PLOTTED: 12/12/2025 1:42 PM
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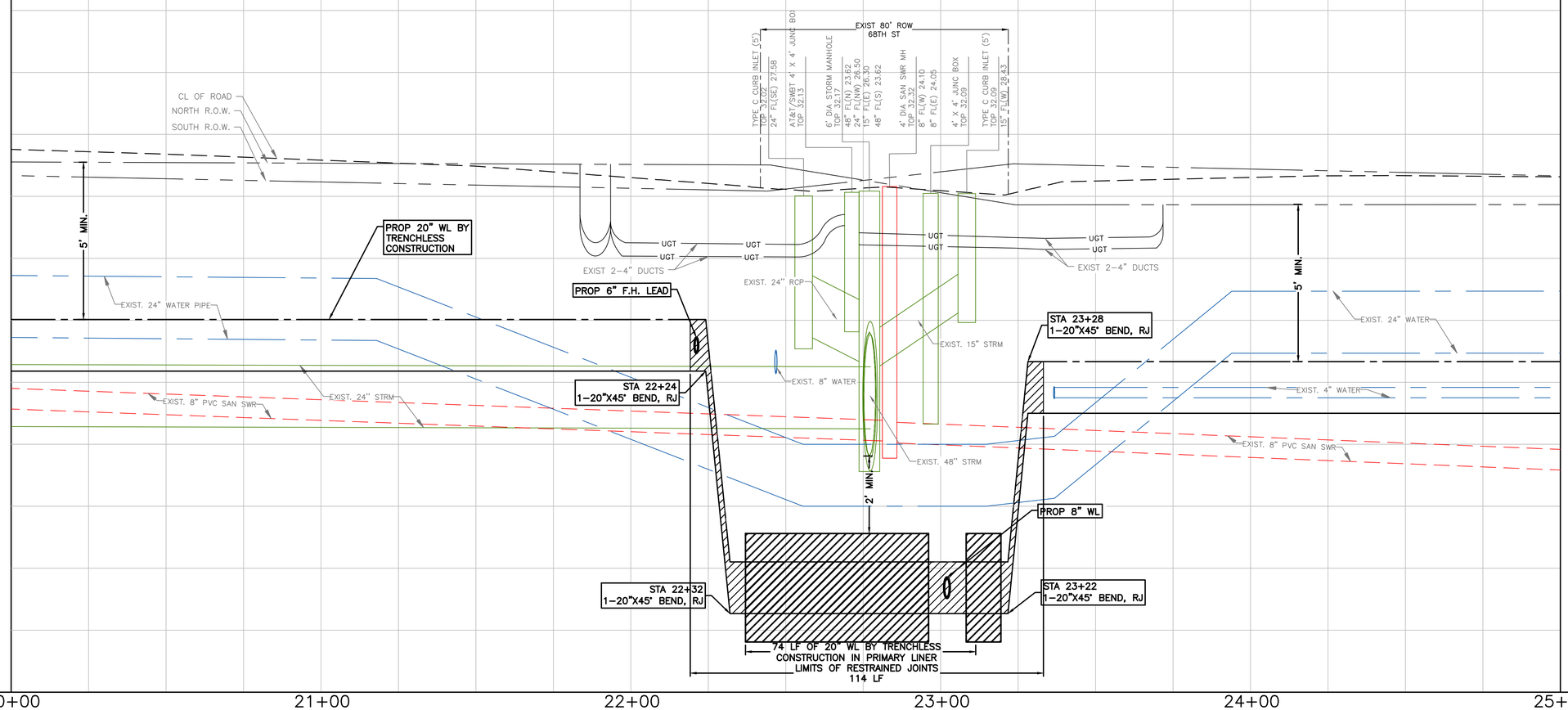
SEE SHEET 84
FOR PLAN VIEW



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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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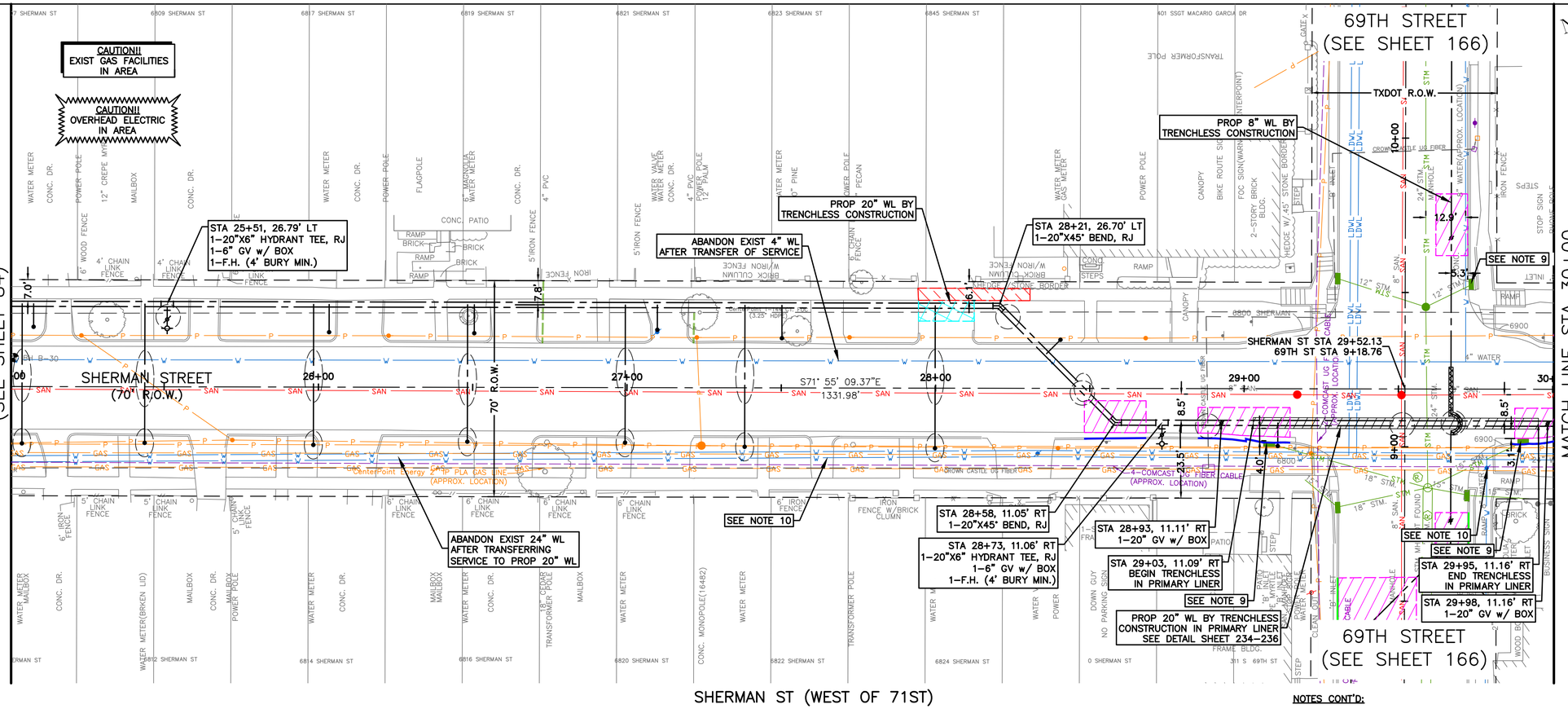
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST)
PROFILE
STA. 20+00 TO STA. 25+00
(SHEET 9 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 85 OF 318	



SEE SHEET 87
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 30" WL PRIOR TO MAKING CONNECTION.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225–226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.
11. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS, SPECS, AND MATCH EXISTING ELEVATIONS. SEE SHEET 206 TO 208 FOR STANDARD DETAILS.
12. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATED BY OTHERS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PLAN
STA. 25+00 TO STA. 30+00
(SHEET 10 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 86 OF 318	

PLOTTED: 12/12/2025 1:42 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – SHERMAN–2.dwg

PLOTTED: 12/12/2025 1:43 PM

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SEE SHEET 86
FOR PLAN VIEW

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

TYPE C CURB INLET (5')
TOP 31.84
18" FL(SE) 28.79

4' DIA SAN SWR MH
TOP 32.05
8" FL(W) 21.47
8" FL(E) 19.27

TYPE C CURB INLET (5')
TOP 31.68
18" FL(E) 28.06
15" FL(NW) 28.46

TYPE C CURB INLET (5')
TOP 31.68
12" FL(SE) 28.08

4' DIA SAN SWR MH
TOP 32.02
8" FL(W) 18.86
8" FL(S) 18.86
8" FL(E) 22.71
8" FL(N) 18.76

5' DIA STORM MANHOLE
TOP 31.89
12" FL(NW) 24.50
12" FL(E) 24.50
36" FL(S) 24.50
24" FL(N) 24.50

EXIST 60' ROW
69TH ST

6' DIA STORM MANHOLE
TOP 31.60
15" FL(E) 24.50
18" FL(W) 24.50
15" FL(SE) 24.50
18" FL(NW) 24.50
36" FL(S) 24.50
36" FL(N) 24.50

TYPE C CURB INLET (5')
TOP 31.61
15" FL(NW) 28.12
15" FL(E) 29.32

TYPE C CURB INLET (5')
TOP 31.63
12" FL(W) 24.50

TYPE C CURB INLET (5')
TOP 31.70
15" FL(W) 29.00

EXIST. 15" RCP
EXIST. 15" STRM
EXIST. 36" STRM
EXIST. 8" WATER
EXIST. 36" STRM
EXIST. 24" STRM
EXIST. 24" WATER PIPE
EXIST. 30" WATER PIPE
EXIST. 8" PVC SAN SWR
EXIST. 12" PVC SAN SWR (S)
EXIST. 8" PVC SAN SWR
EXIST. 12" PVC SAN SWR (N)

PROP 6" F.H. LEAD
EXIST. 24" WATER
PROP 20" WL BY TRENCHLESS CONSTRUCTION
EXIST. 4" WATER
EXIST. 8" PVC SAN SWR
5' MIN.

PROP 6" F.H. LEAD
2' MIN.
STA 28+87
1-20"X45° BEND, RJ
PROP 8" WL
2' MIN.
2' MIN.
STA 28+98
1-20"X45° BEND, RJ
PROP 20" WL
92 LF OF 20" WL BY TRENCHLESS CONSTRUCTION IN PRIMARY LINER
LIMITS OF RESTRAINED JOINTS
181 LF

25+00 26+00 27+00 28+00 29+00 30+00

NO.	DATE	REVISION	APP.

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SHERMAN ST (WEST OF 71ST) PROFILE
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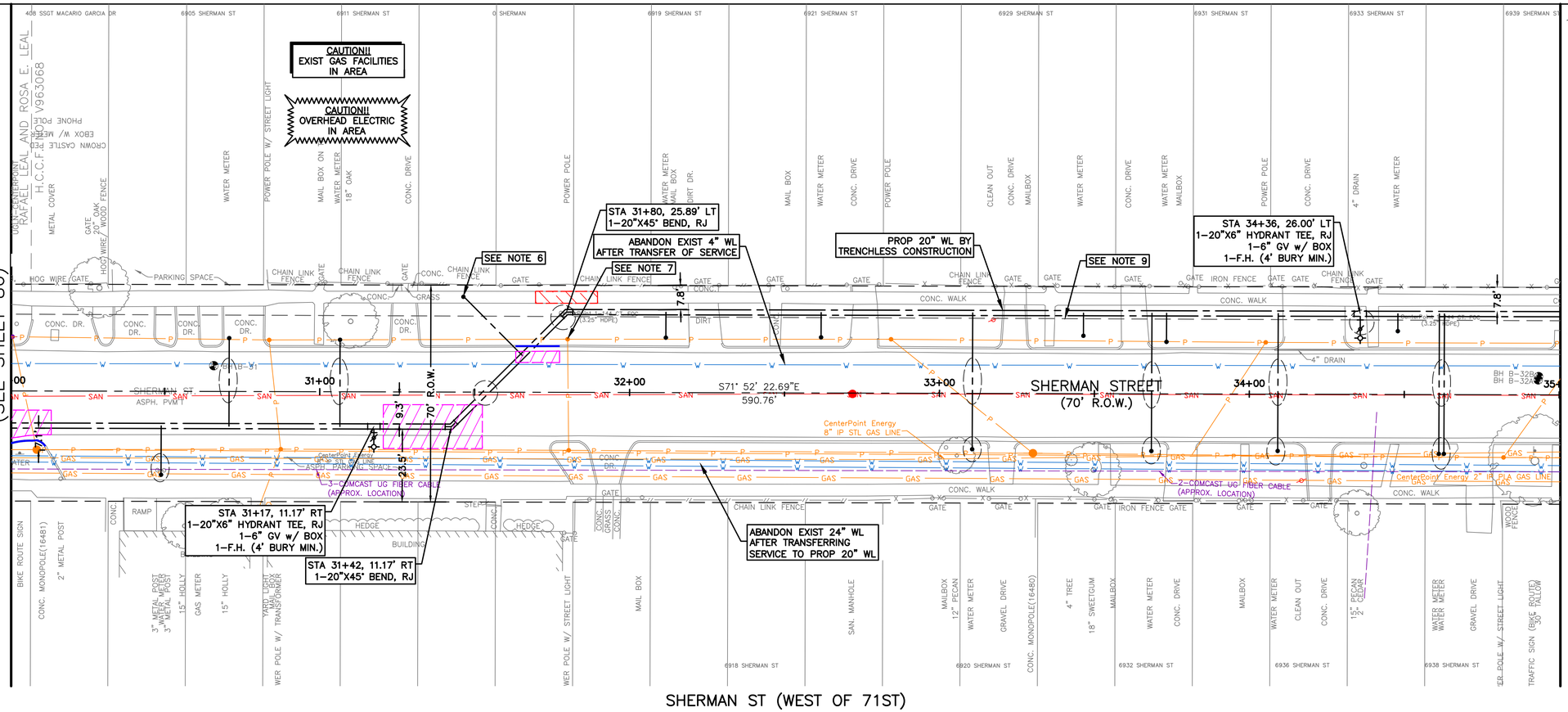
SHEET NO. 87 OF 318	



SEE SHEET 89
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225–226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.
10. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATE3D BY OTHERS.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

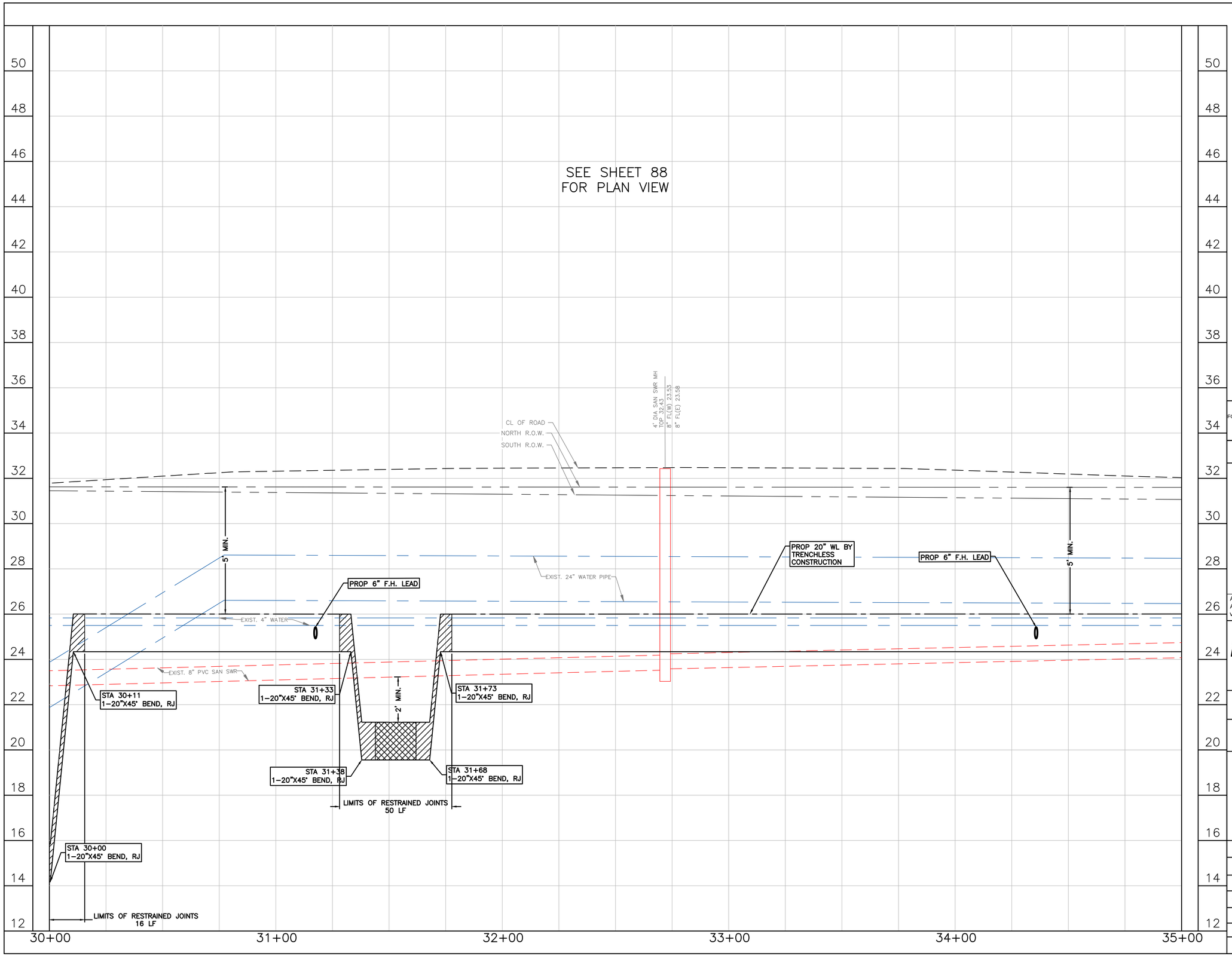
SHERMAN ST (WEST OF 71ST)
PLAN
STA. 30+00 TO STA. 35+00
(SHEET 12 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 88 OF 318	

PLOTTED: 12/12/2025 1:44 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – SHERMAN–2.dwg

PLOTTED: 12/12/2025 2:21 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-2.dwg

SEE SHEET 88
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

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RESPONSIBLE ENGINEER:
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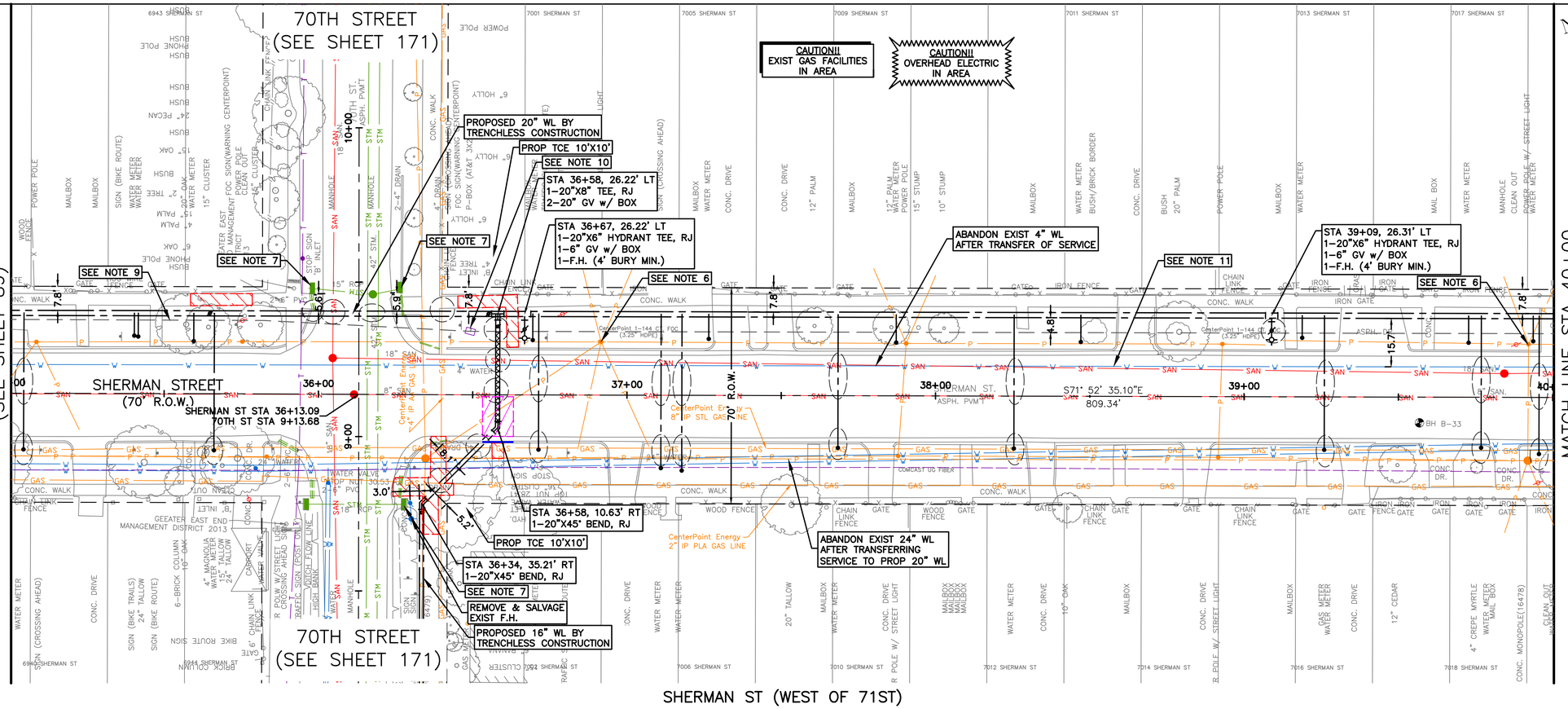
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PROFILE
STA. 30+00 TO STA. 35+00
(SHEET 13 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 89 OF 318	



SEE SHEET 91
FOR PROFILE VIEW

NOTES CONT'D:

9. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATED BY OTHERS.
10. EXISTING P-BOX (AT&T) TO BE RELOCATED BY OTHERS.
11. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CU, PLUG, & ABANDON OF WL.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225–226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

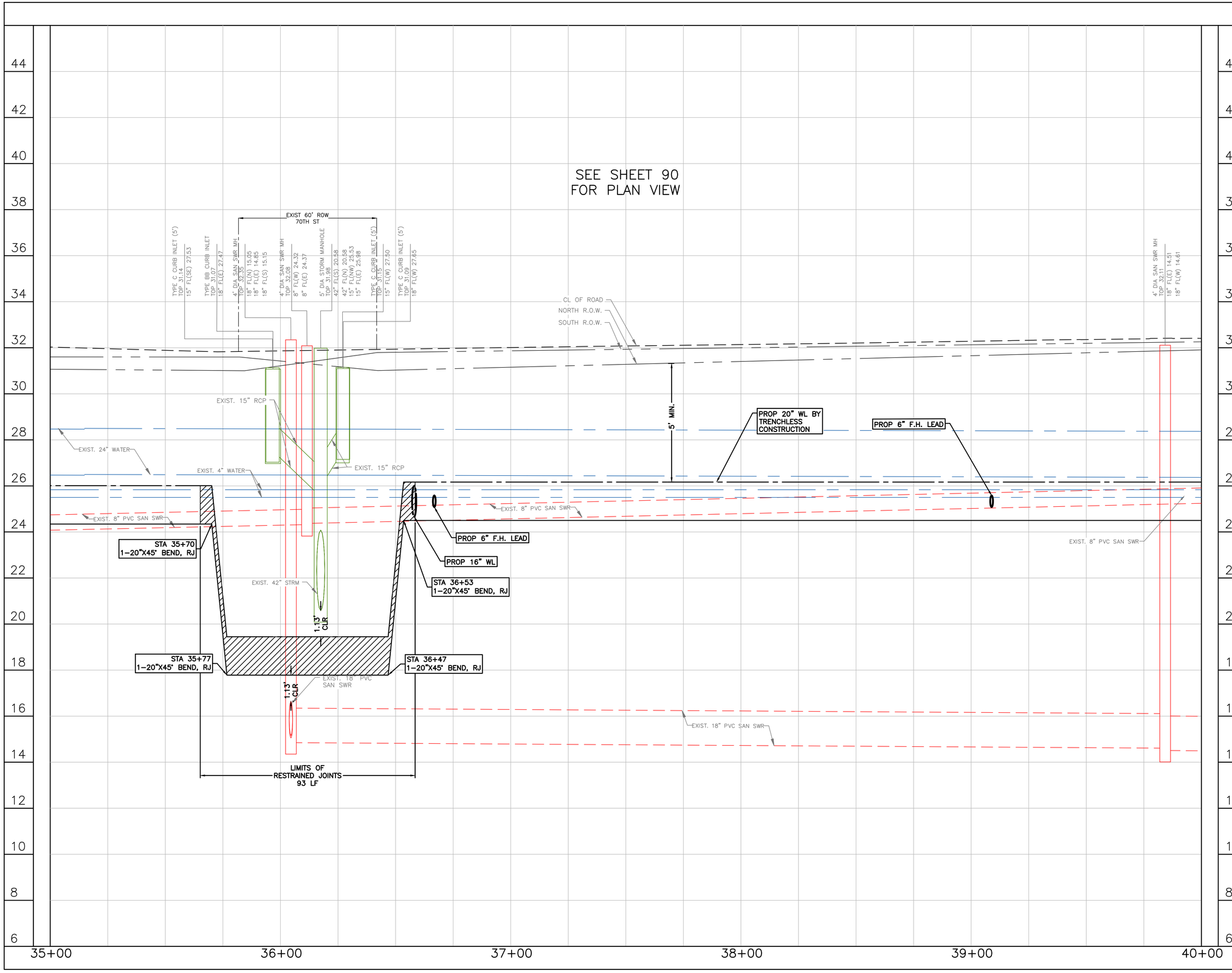
SHERMAN ST (WEST OF 71ST)
PLAN
STA. 35+00 TO STA. 40+00
(SHEET 14 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 90 OF 318	

PLOTTED: 12/12/2025 2:21 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-2.dwg

PLOTTED: 12/12/2025 2:23 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-2.dwg



NO.	DATE	REVISION	APP.

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST)
PROFILE
STA. 35+00 TO STA. 40+00
(SHEET 15 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 91 OF 318	

PLOTTED: 12/12/2025 2:23 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-2.dwg

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

MATCH LINE STA 40+00 (SEE SHEET 90)

ABANDON EXIST 4" WL AFTER TRANSFER OF SERVICE

SEE NOTE 6

SEE NOTE 10

STA 41+92, 26.41' LT
1–20"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

PROP 20" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

BASELINE "SHERMAN ST–1"

ABANDON EXIST 24" WL AFTER TRANSFERRING SERVICE TO PROP 20" WL

SHERMAN STREET
(70' R.O.W.)
ASPH. PVMT

S71° 52' 35.10"E
809.34'

BEGIN BASELINE E
STA. 0+00.00
N: 13835903.1144
E: 3142967.0501

BASELINE "SHERMAN ST–2"

REMOVE & SALVAGE EXIST F.H.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

STA 43+85, 26.45' LT
1–20"X8" TEE, RJ
1–8" GV w/ BOX

SEE NOTE 9

SHERMAN ST STA 43+96.85
71ST ST STA 9+10.29

BASELINE "SHERMAN ST–1"

SHERMAN ST STA 2+01.13
71ST ST STA 8+65.94

71ST STREET
(SEE SHEET 177)

71ST STREET
(SEE SHEET 175)

STA 44+08, 25.67' LT
2–20"X45° BEND, RJ

SEE NOTE 6

PROP 20" WL BY TRENCHLESS CONSTRUCTION

BEGIN BASELINE E
STA. 44+50.00
N: 13835868.4307
E: 3143222.4454

SEE SHEET 93 FOR PLAN AND PROFILE

(SEE SHEET 93)

SHERMAN ST (WEST OF 71ST)

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (WEST OF 71ST) PLAN AND PROFILE STA. 40+00 TO STA. 44+42.85 (SHEET 16 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 92 OF 318	

EXIST 50' ROW 71ST ST

PROP 6" F.H. LEAD

5' MIN.

PROP 20" WL BY TRENCHLESS CONSTRUCTION

PROP 8" WL

PROP 20" WL

EXIST. 18" PVC SAN SWR

EXIST. 8" SAN SWR

EXIST. 8" WATER

EXIST. 24" WATER PIPE

EXIST. 8" PVC SAN SWR

EXIST. 4" WATER

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

NOTES CONT'D:

9. EXISTING FOC BOX TO BE RELOCATED BY OTHERS.
10. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATED BY OTHERS.

PLOTTED: 12/12/2025 1:39 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-3.dwg

(SEE SHEET 92)

71ST STREET
(SEE SHEET 175)

SEE SHEET 92 FOR PLAN AND PROFILE

PROPOSED 8" WL BY TRENCHLESS CONSTRUCTION

PROPOSED 20" WL BY TRENCHLESS CONSTRUCTION

END SHERMAN ST STA: 44+50.00
N:13835868.4319
E:3143222.4415

BASELINE "SHERMAN ST-1"

SEE NOTE 8

STA 1+83, 36.00' LT
2-24" CUT, PLUG & ABANDON
1-8" CUT, PLUG & ABANDON

REMOVE & SALVAGE EXIST F.H.

SHERMAN ST STA 2+01.13
71ST ST STA 8+65.94

STA 2+12, 9.64' RT
1-20"X20" TEE, RJ
2-20" GV w/ BOX

STA 2+12, 11.16' LT
2-24" CUT, PLUG & ABANDON

SEE NOTE 6

STA 2+12, 53.50' RT
1-20"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

PROPOSED 8" WL BY TRENCHLESS CONSTRUCTION

BASELINE "SHERMAN ST-2"

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

ABANDON EXIST 4" WL AFTER TRANSFER OF SERVICE

ABANDON EXIST 24" WL AFTER TRANSFERRING SERVICE TO PROP 20" WL

STA 4+92, 10.64' RT
1-20"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

3-COMCAST UG FIBER CABLE (APPROX. LOCATION)

SHERMAN STREET
(60' R.O.W.)

MATCH LINE STA 6+00
(SEE SHEET 94)

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
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NO.	DATE	REVISION	APP.

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SHERMAN ST (EAST OF 71ST)

EXIST 50' ROW
71ST ST

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

4" DIA SAN SWR MH TOP 32.94 18" FL(E) 13.74 18" FL(N) 13.94

4" DIA SAN SWR MH TOP 33.12 18" FL(S) 26.02 18" FL(S) 13.92 18" FL(W) 14.12

4" DIA SAN SWR MH TOP 33.41 8" FL(N) 26.41 8" FL(E) 26.21

4" DIA SAN SWR MH TOP 33.3 8" FL(W) 24.48 8" FL(S) 26.14 18" FL(N) 26.24

4" DIA SAN SWR MH TOP 32.50 18" FL(E) 22.50 18" FL(W) 22.50

4" DIA SAN SWR MH TOP 32.98 8" FL(W) 27.78 8" FL(E) 27.83

EXIST. 24" WATER
EXIST. 18" PVC SAN SWR
EXIST. 8" SAN SWR
EXIST. 8" SAN SWR
EXIST. 4" WATER
EXIST. 4" WATER
EXIST. 8" PVC SAN SWR
LIMITS OF RESTRAINED JOINTS 69 LF
EXIST. 24" WATER PIPE
EXIST. 8" PVC SAN SWR
EXIST. 8" PVC SAN SWR
EXIST. 4" WATER
EXIST. 18" PVC SAN SWR
EXIST. 18" PVC SAN SWR

PROP 20" WL BY TRENCHLESS CONSTRUCTION

5' MIN.

PROP 6" F.H. LEAD

PROP 20" WL

PROP 6" F.H. LEAD

STA 2+77
1-20"X45° BEND, RJ

STA 2+72
1-20"X45° BEND, RJ

1+00 43+00 | 2+00 44+00 | 44+50 | 3+00 | 4+00 | 5+00 | 6+00

DCCM

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

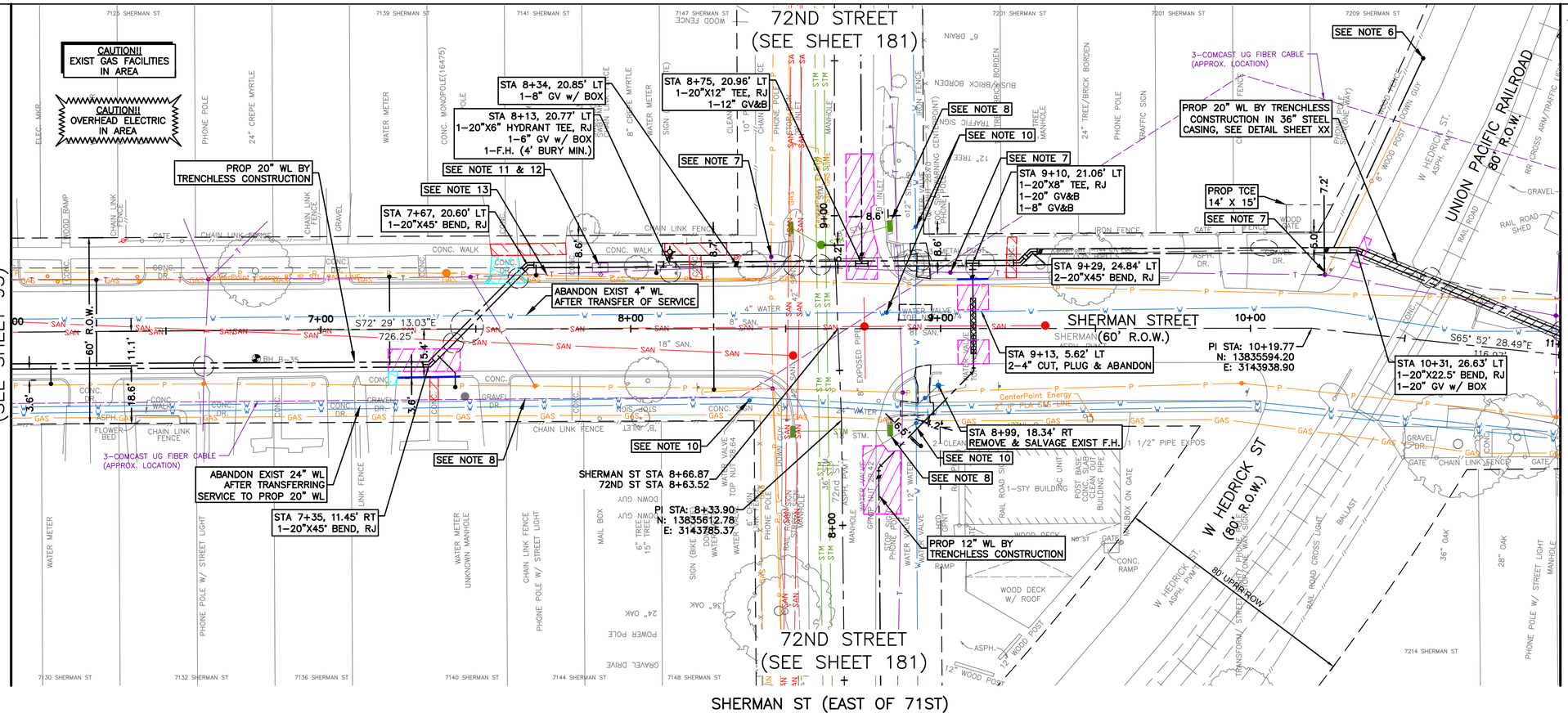
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST)
PLAN AND PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 17 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 93 OF 318	



SEE SHEET 95
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225–226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL TO SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON.
11. EXISTING FOC BOX TO BE RELOCATED BY OTHERS.
12. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATED BY OTHERS.
13. EXISTING OVER HEAD TELECOMMUNICATION LINES TO BE RAISED BY OTHERS. CONTRACTOR SHALL FIELD VERIFY SUFFICIENT VERTICAL CLEARANCE UNDERNEATH OVER HEAD TELEPHONE LINE BEFORE COMMENCING WORK.
14. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OVER THE WATER LINE AND ADJACENT CRITICAL STRUCTURES FOR WORK WITHIN THE UPRR ROW. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING. SETTLEMENT MONITORING AND SETTLEMENT MITIGATION AND INCIDENTAL TO WATER LINE CONSTRUCTION PER SPEC 02425.
15. REFER TO SPEC 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.
16. CONTRACTOR SHALL CONTACT UPRR AT LEAST 10 DAYS PRIOR TO WATER LINE CONSTRUCTION ADJACENT AND WITHIN UPRR ROW.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST) PLAN
STA. 6+00 TO STA. 11+00
(SHEET 18 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 94 OF 318	

PLOTTED: 12/12/2025 1:41 PM
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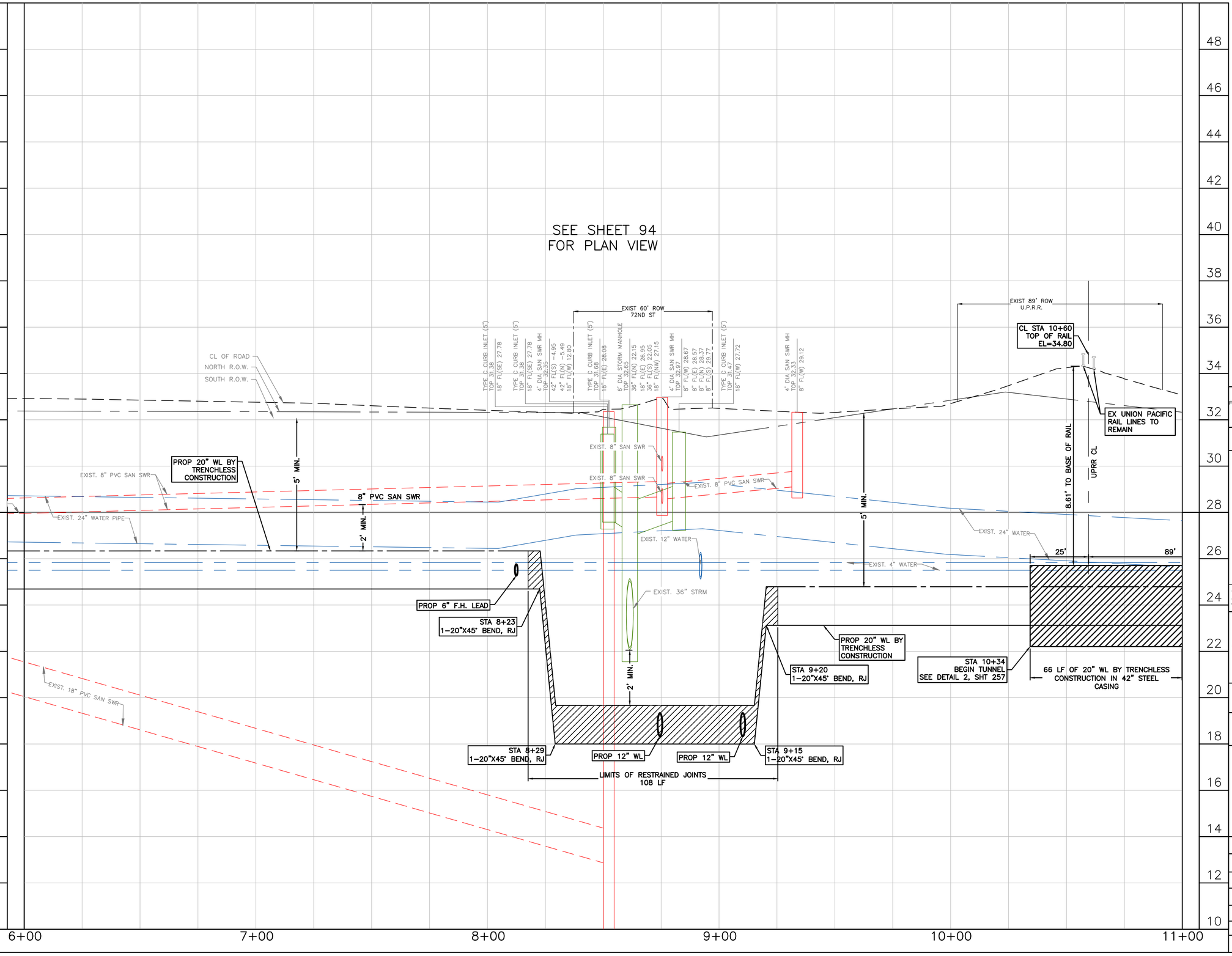
PLOTTED: 12/12/2025 1:42 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-3.dwg



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

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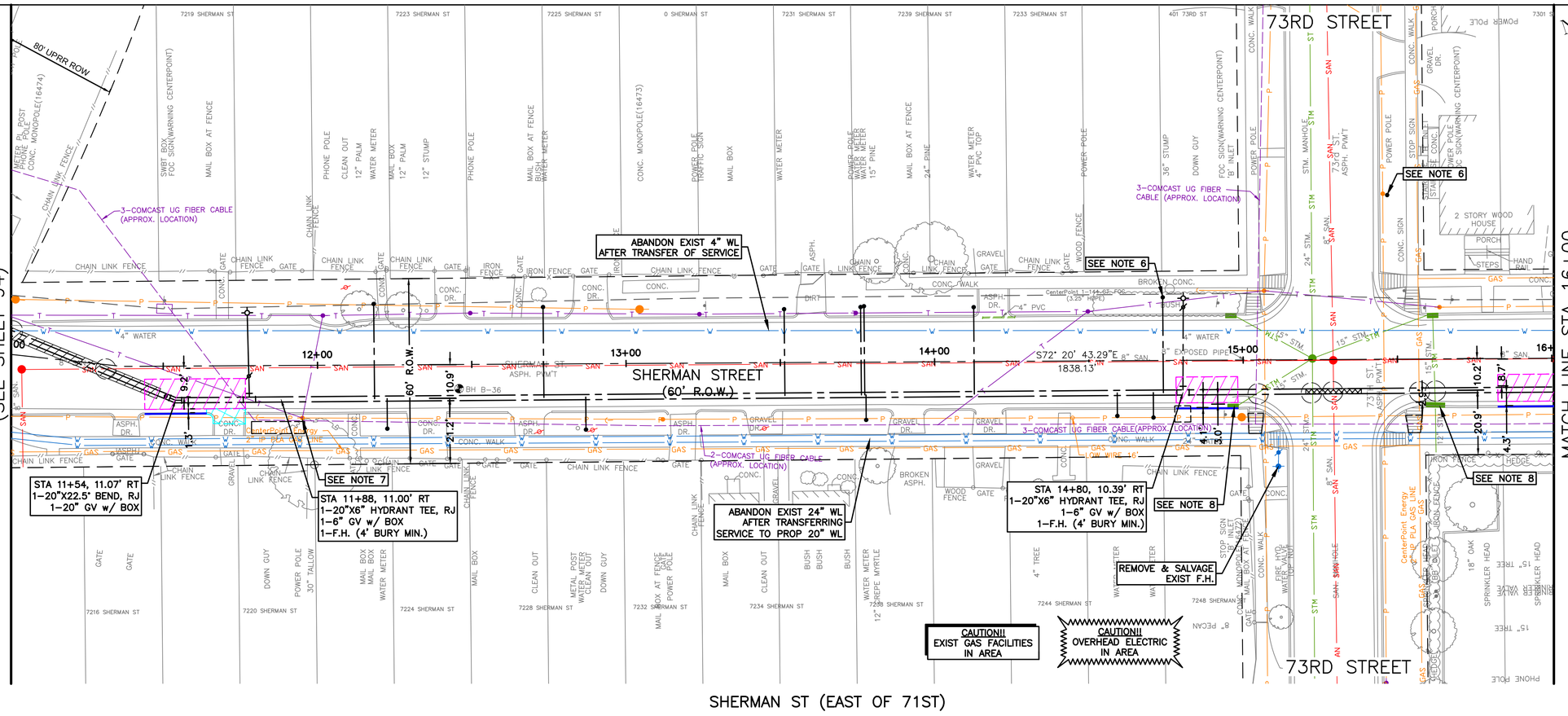
SHERMAN ST (EAST OF 71ST) PROFILE
STA. 6+00 TO STA. 11+00
(SHEET 19 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 95 OF 318	



20' 0' 20'

SCALE 1"=20'

LEGEND:

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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SURVEYED BY:
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FB NO. P–6397

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TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST) PLAN
STA. 11+00 TO STA. 16+00
(SHEET 20 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 96 OF 318	

PLOTTED: 12/12/2025 1:42 PM
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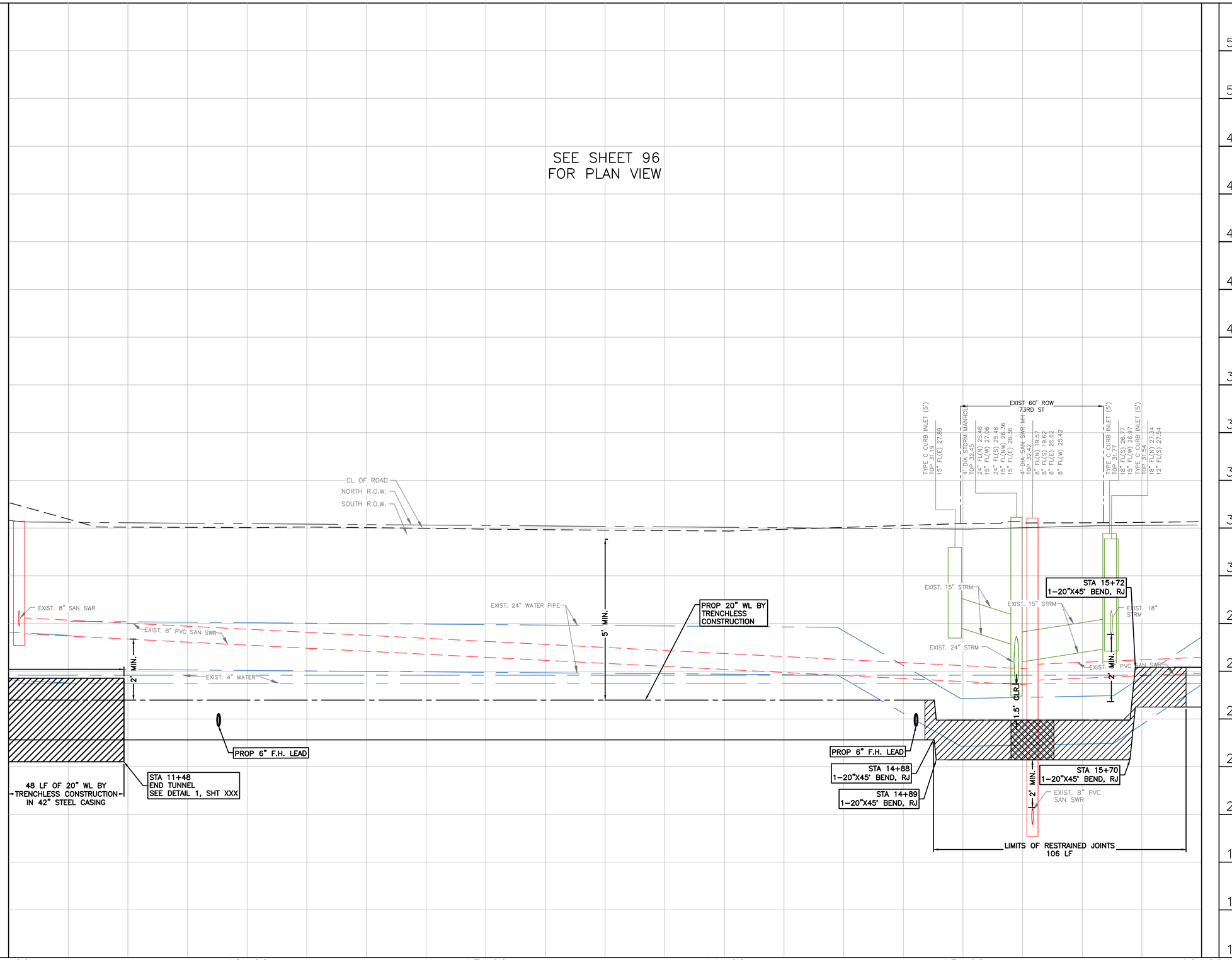
SEE SHEET 96
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST) PROFILE
STA. 11+00 TO STA. 16+00
(SHEET 21 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 97 OF 318	

PLOTTED: 12/12/2025 1:55 PM

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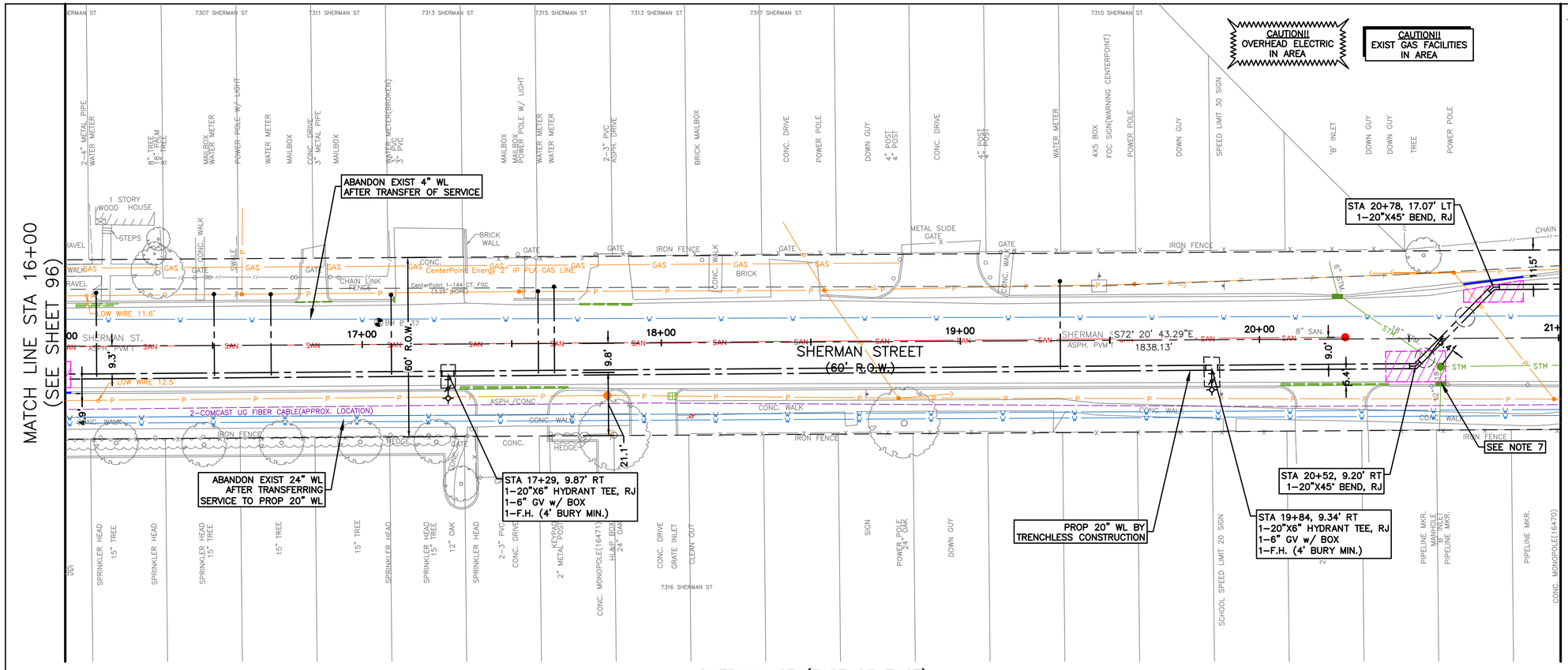

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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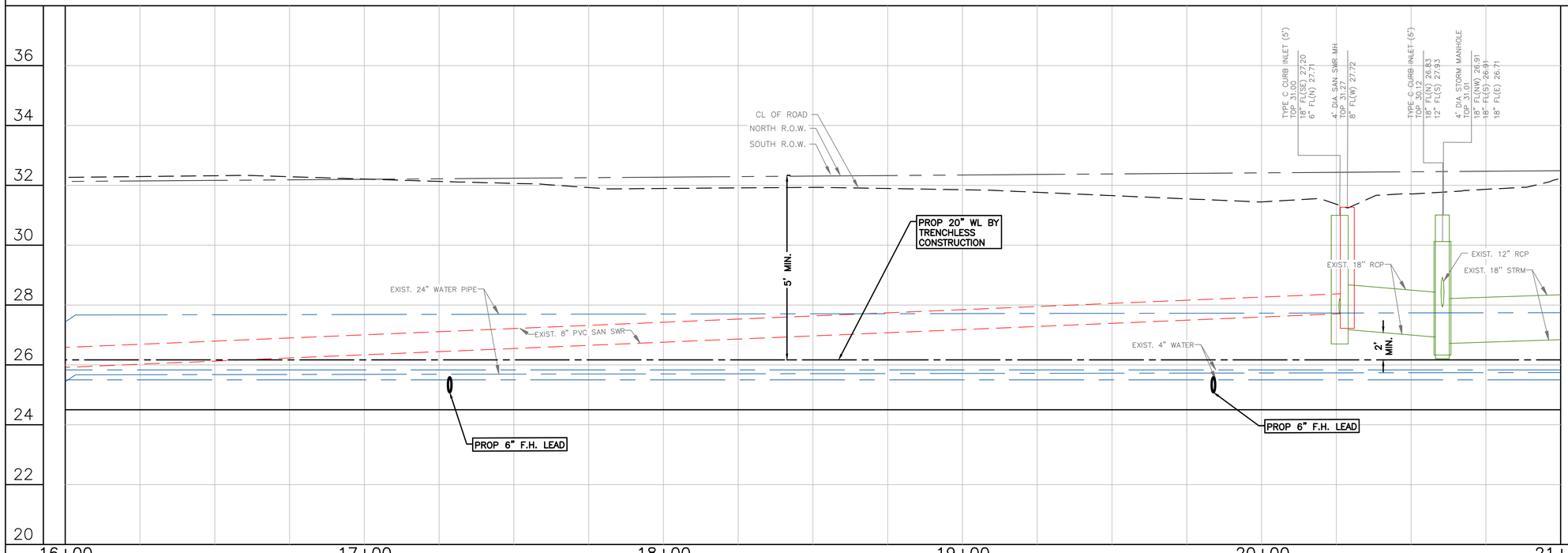

SHERMAN ST (EAST OF 71ST)

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST)
PLAN AND PROFILE
STA. 16+00 TO STA. 21+00
(SHEET 22 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
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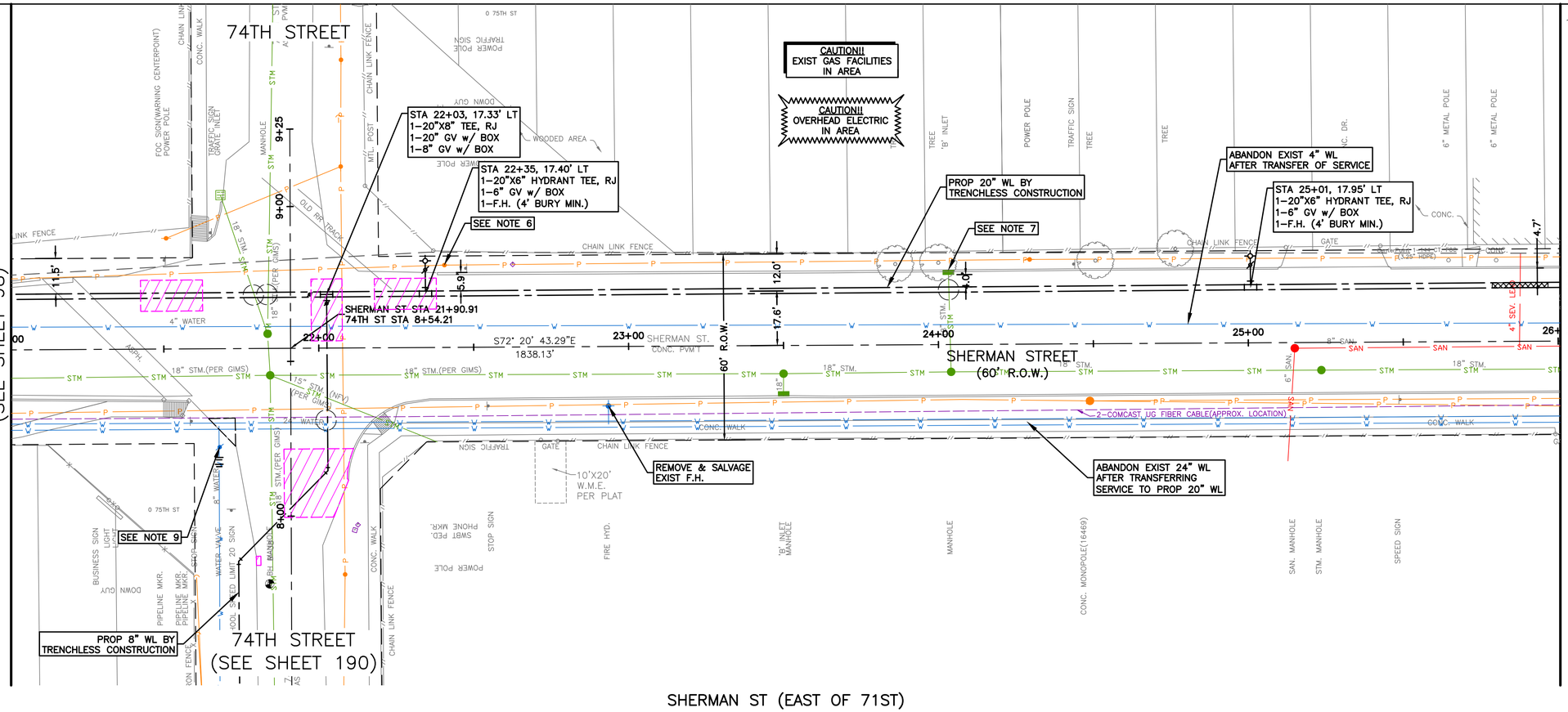
SHEET NO. 98 OF 318	



SEE SHEET 100
FOR PROFILE VIEW

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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HOUSTON PUBLIC WORKS

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STA. 21+00 TO STA. 26+00
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HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 99 OF 318	

PLOTTED: 12/12/2025 2:05 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – SHERMAN–4.dwg

PLOTTED: 12/12/2025 2:13 PM

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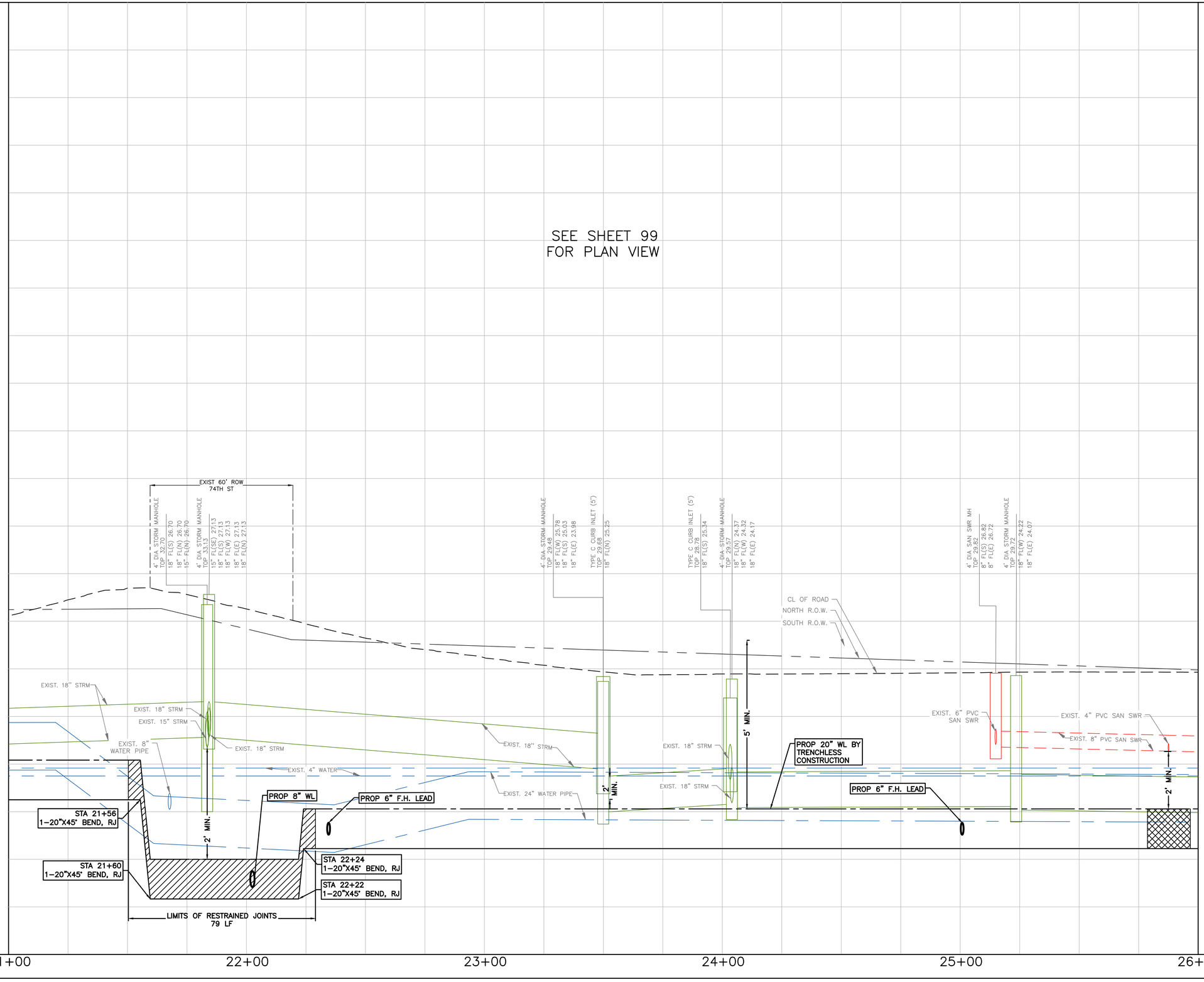
SEE SHEET 99
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

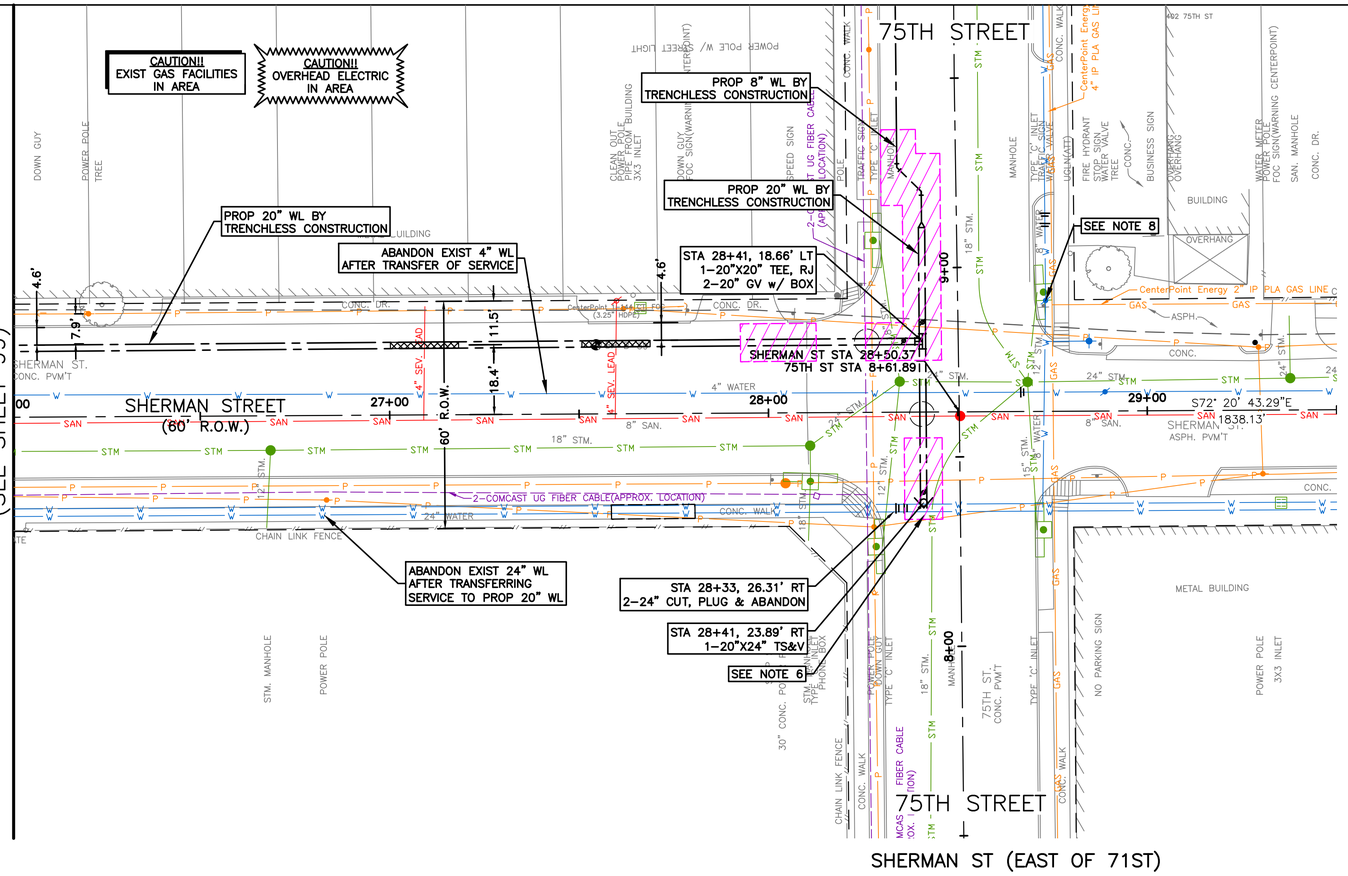
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST) PROFILE
STA. 21+00 TO STA. 26+00
(SHEET 24 OF 26)

WBS NUMBER	S-000035-0267-3
DRAWING SCALE	HORIZ: 1"=20' VERT: 1"=2'
CITY OF HOUSTON PM	ROWAIDAH AYOUB, P.E.
SHEET NO.	100 OF 318

FOR CITY OF HOUSTON USE ONLY

PLOTTED: 12/12/2025 2:15 PM



SEE SHEET 102
FOR PROFILE VIEW

NOTES CONT'D:

9. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 24" WL PRIOR TO MAKING CONNECTION.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225–226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
8. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST) PLAN
STA. 26+00 TO STA. 29+50
(SHEET 25 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 101 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - SHERMAN-4.dwg

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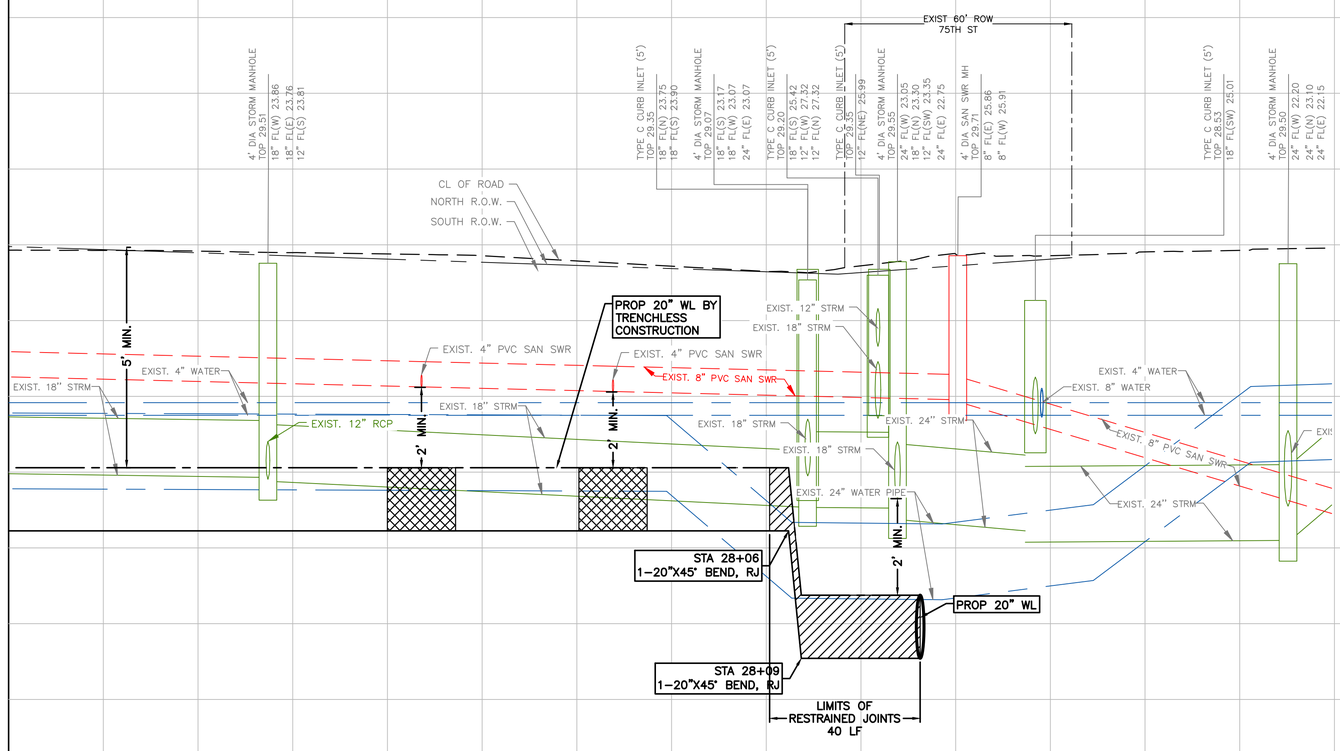
SEE SHEET 101
FOR PLAN VIEW



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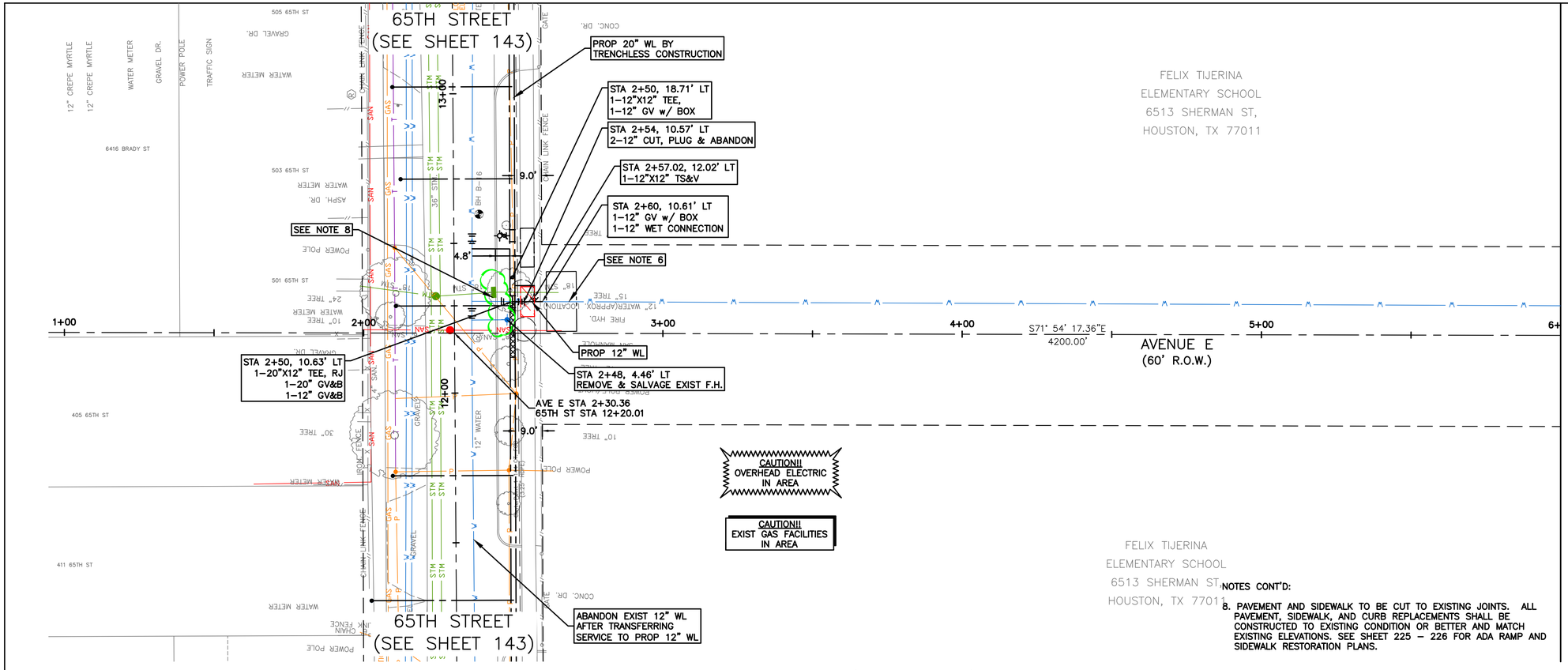
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SHERMAN ST (EAST OF 71ST) PROFILE
STA. 26+00 TO STA. 29+50
(SHEET 26 OF 26)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 102 OF 318	

PLOTTED: 12/12/2025 1:21 PM



MATCH LINE STA 6+00
(SEE SHEET 104)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. CONTRACTOR TO VERIFY EXISTING 12" WL IS IN SERVICE PRIOR TO CONSTRUCTION. IF EXISTING 12" WL IS ABANDONED, PROPOSED CONNECTION NOT TO BE INSTALLED.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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DATE:

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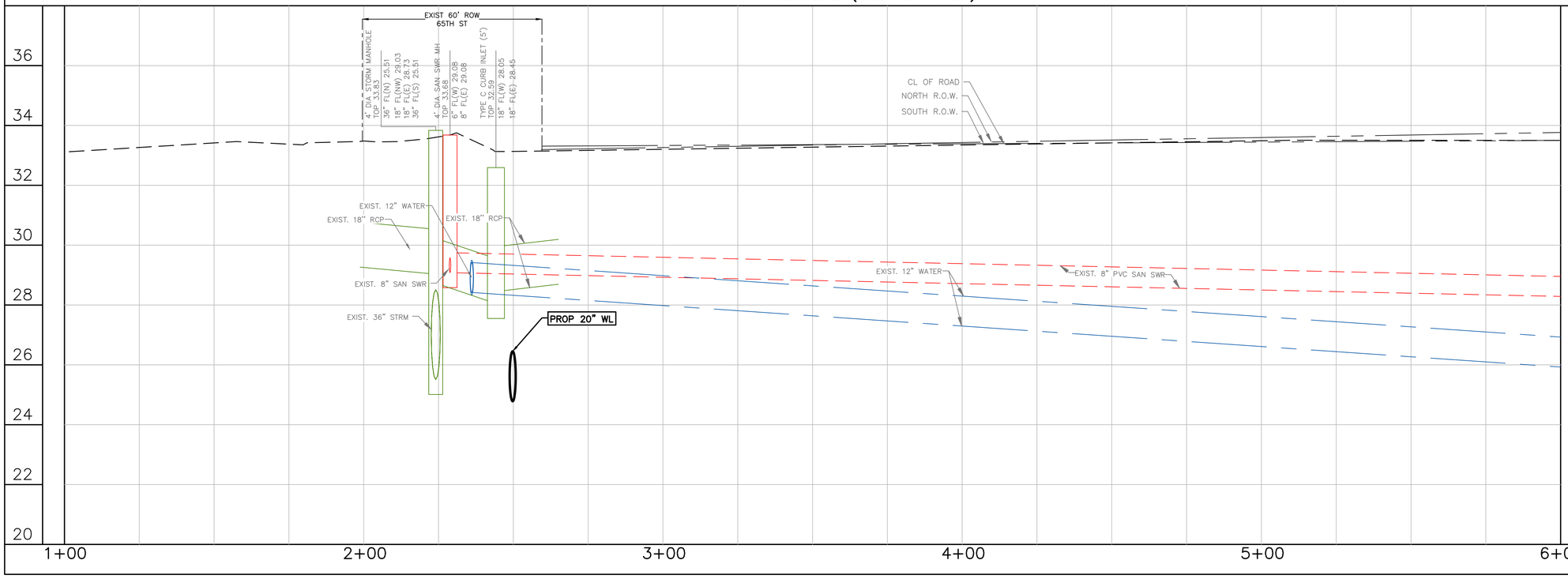
AVENUE E (WEST OF 71ST)



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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PLAN AND PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 103 OF 318	

FILE PATH: J:\cohoustonpwe\200000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE E-1.dwg

PLOTTED: 12/12/2025 1:22 PM
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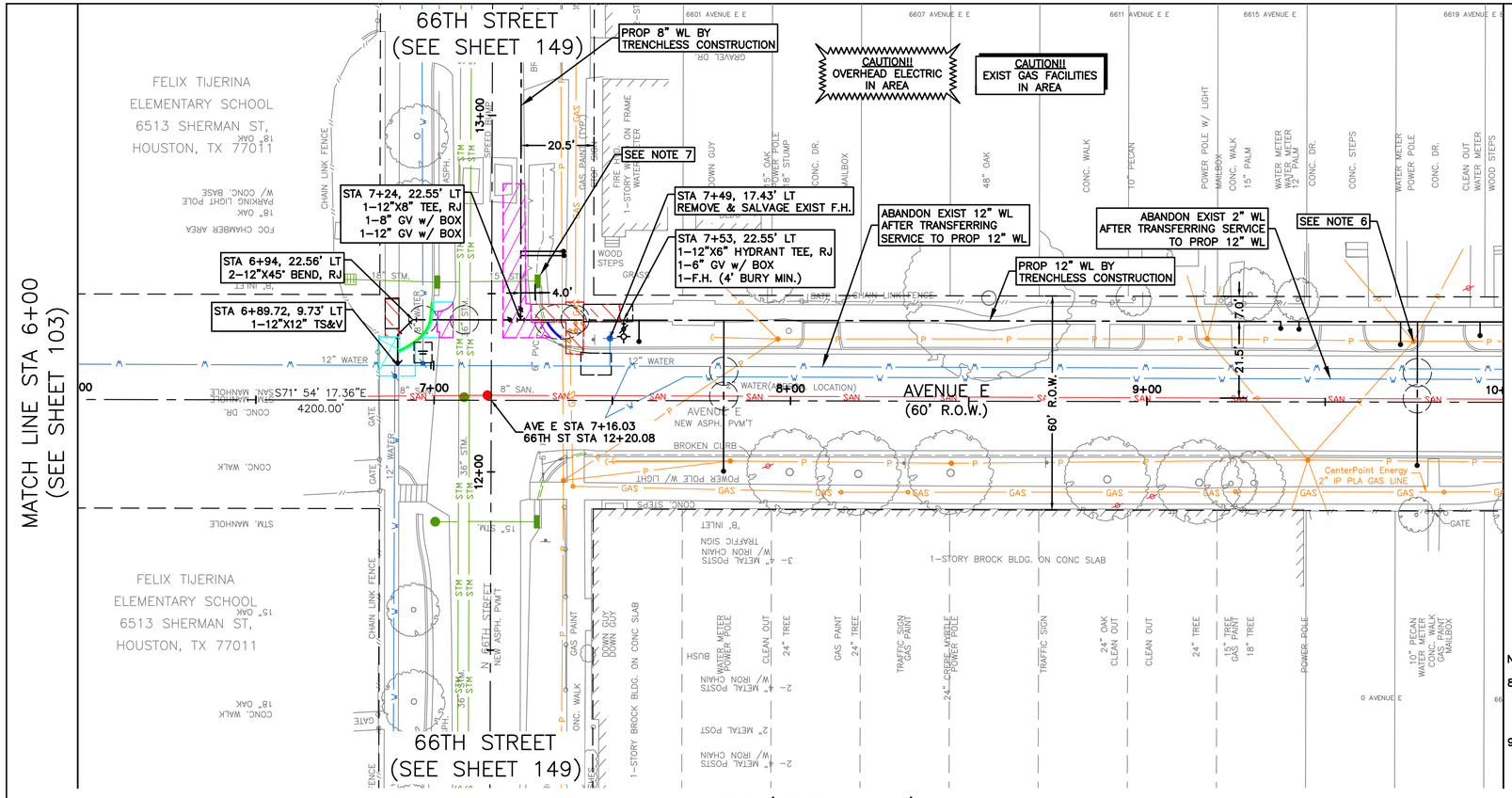

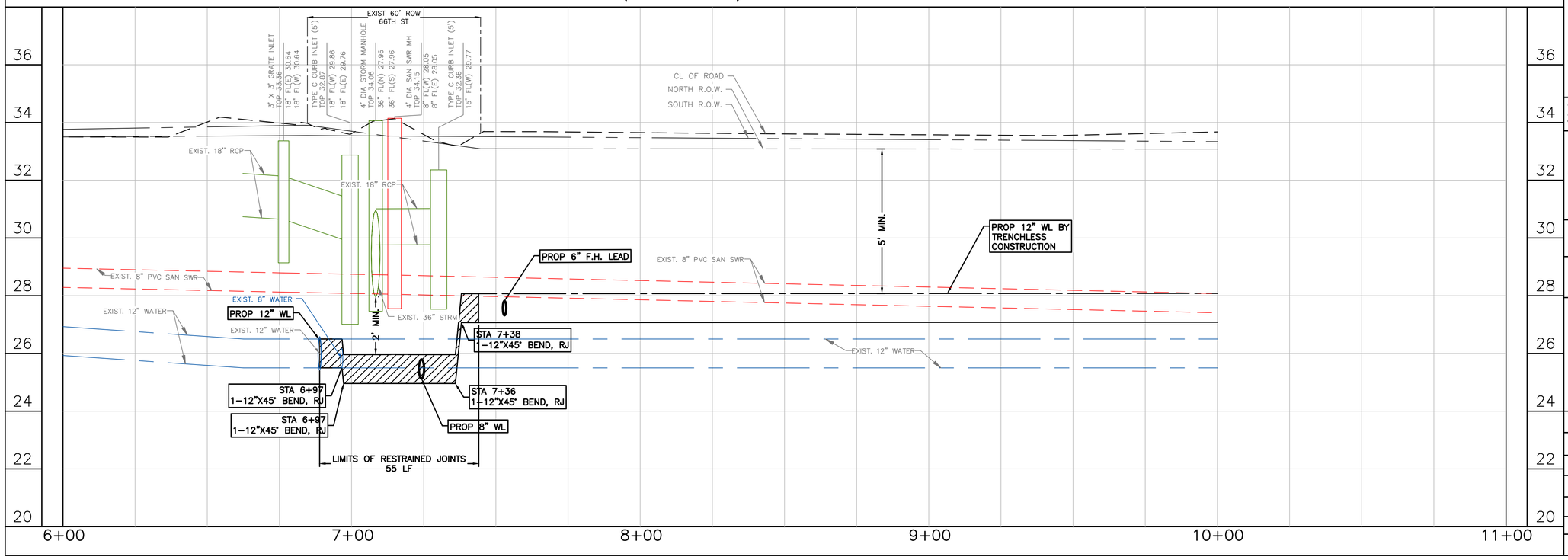

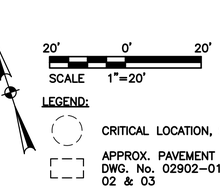

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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TEXAS REGISTRATION No.107085

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FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST) PLAN AND PROFILE STA. 6+00 TO STA. 10+00 (SHEET 2 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 104 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE E-1.dwg
PLOTTED: 12/12/2025 1:22 PM

MATCH LINE STA 10+00 (SEE SHEET 104)

MATCH LINE STA 15+00 (SEE SHEET 106)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

STA 10+84, 22.52' LT
1–12"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

PROP 12" WL BY TRENCHLESS CONSTRUCTION

ABANDON EXIST 2" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

PROP 12" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 6

SEE NOTE 9

SEE NOTE 6

SEE SHEET 195 FOR CROSS SECTION VIEW

SEE NOTE 7

SEE NOTE 6

67TH STREET (SEE SHEET 155)

67TH STREET (SEE SHEET 153)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 13+89, 8.30' RT
1–12"X8" CROSS, RJ
2–12" GV&B
1–8" GV&B

REMOVE & SALVAGE EXIST F.H.

STA 14+74, 22.19' LT
1–12"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

SEE SHEET 195 FOR CROSS SECTION VIEW

SEE NOTE 6

SEE NOTE 7

SEE NOTE 6

AVE E STA 13+73.88
67TH ST STA 12+04.44

ABANDON EXIST 2" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

AVENUE E (60' R.O.W.)

AVENUE E NEW ASPH. PVMT

S71° 54' 17.36"E
4200.80'

AVENUE E (WEST OF 71ST)

NOTES CONT'D:

8. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

SCALE 1"=20'

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
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- EASEMENTS

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NO.	DATE	REVISION	APP.

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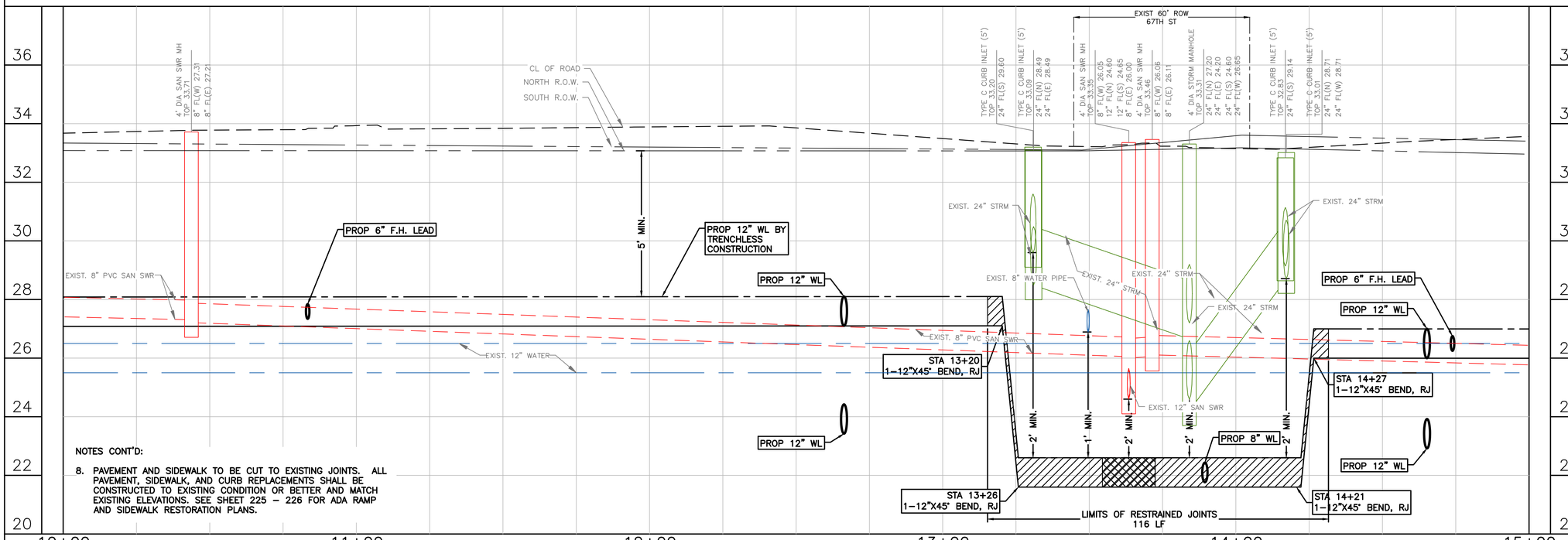
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST) PLAN AND PROFILE STA. 10+00 TO STA. 15+00 (SHEET 3 OF 15)

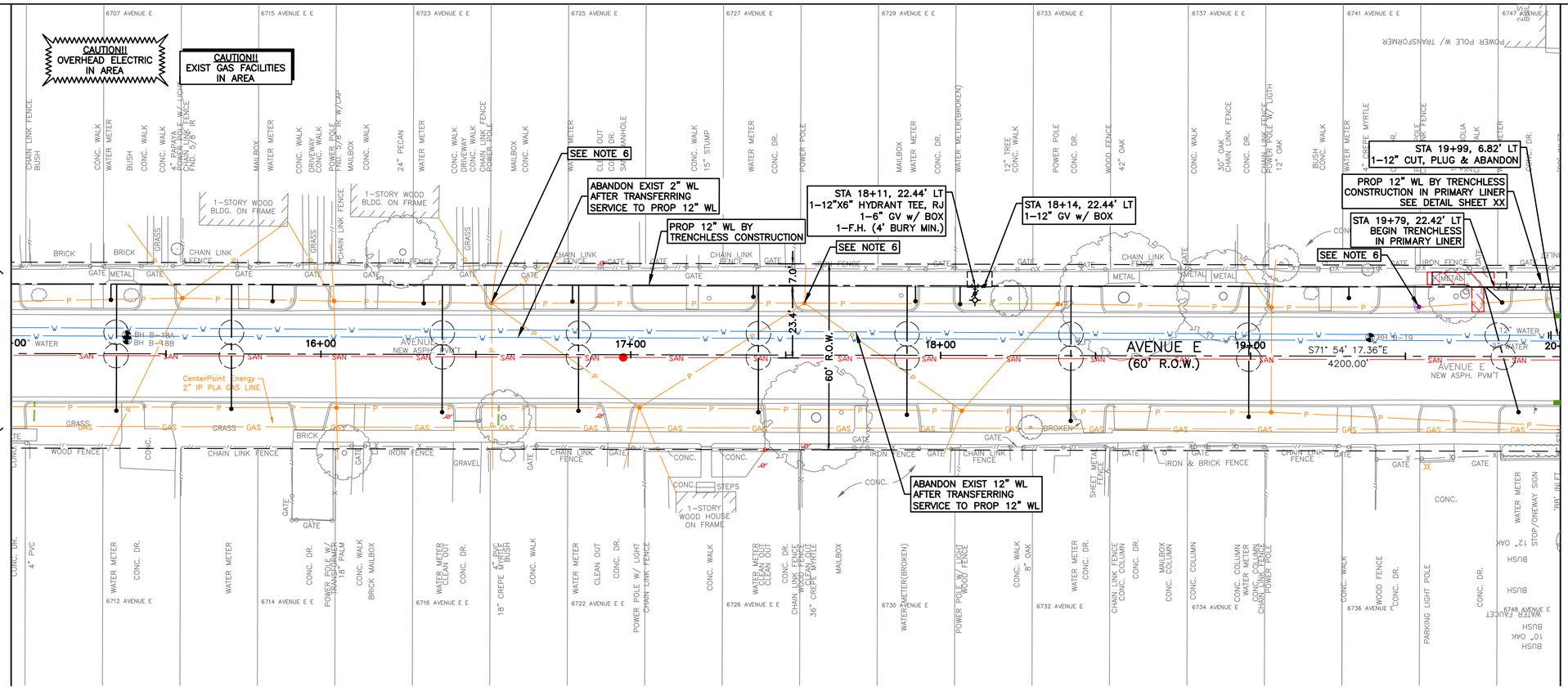
WBS NUMBER	S–000035–0267–3
DRAWING SCALE	HORIZ: 1"=20' VERT: 1"=2'
CITY OF HOUSTON PM	ROWAIDAH AYOUB, P.E.
SHEET NO.	105 OF 318

FOR CITY OF HOUSTON USE ONLY



NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.



SEE SHEET 107
FOR PROFILE VIEW

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PLAN VIEW
STA. 15+00 TO STA. 20+00
(SHEET 4 OF 15)

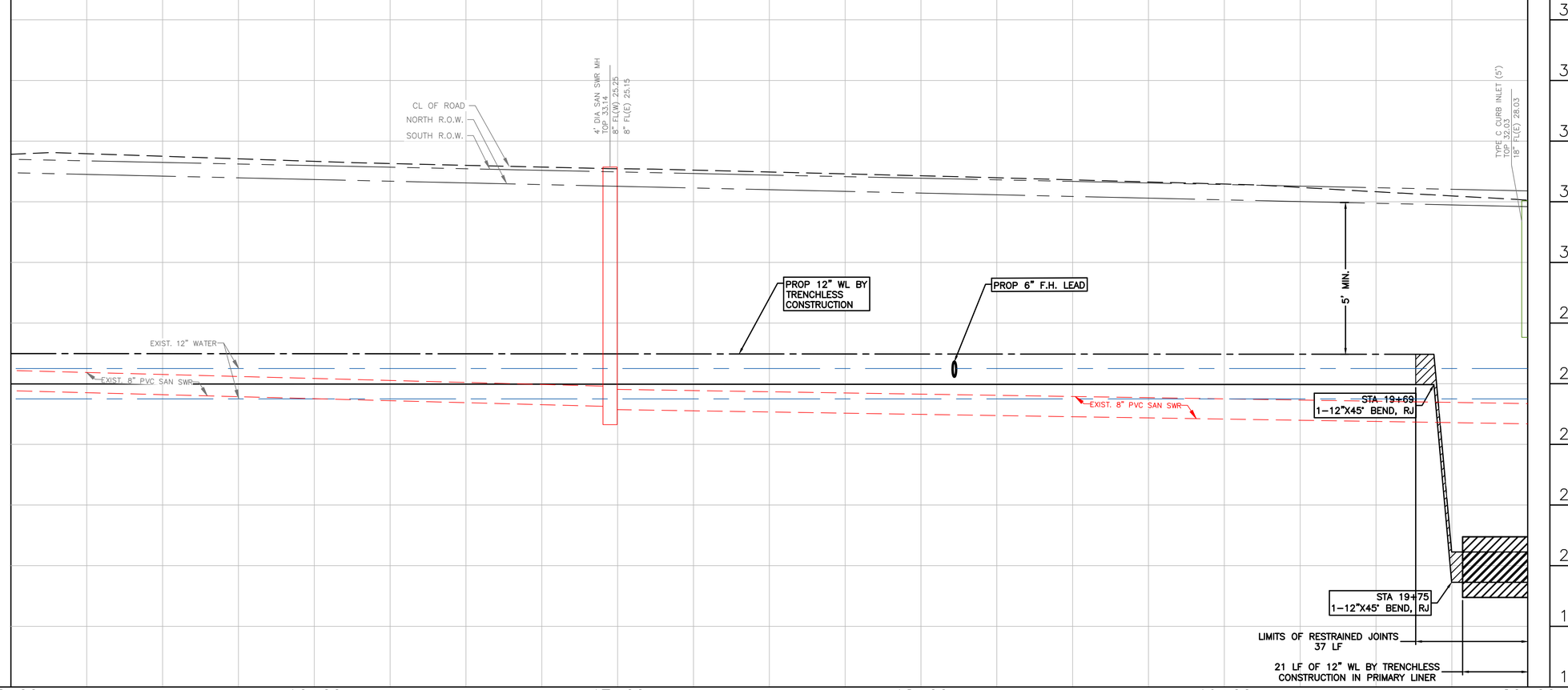
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 106 OF 318	

PLOTTED: 12/12/2025 1:23 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE E-1.dwg

PLOTTED: 12/12/2025 1:23 PM

FILE PATH: J:\cohoustonpwe\200000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE E-1.dwg

SEE SHEET 106
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PROFILE VIEW
STA. 15+00 TO STA. 20+00
(SHEET 5 OF 15)

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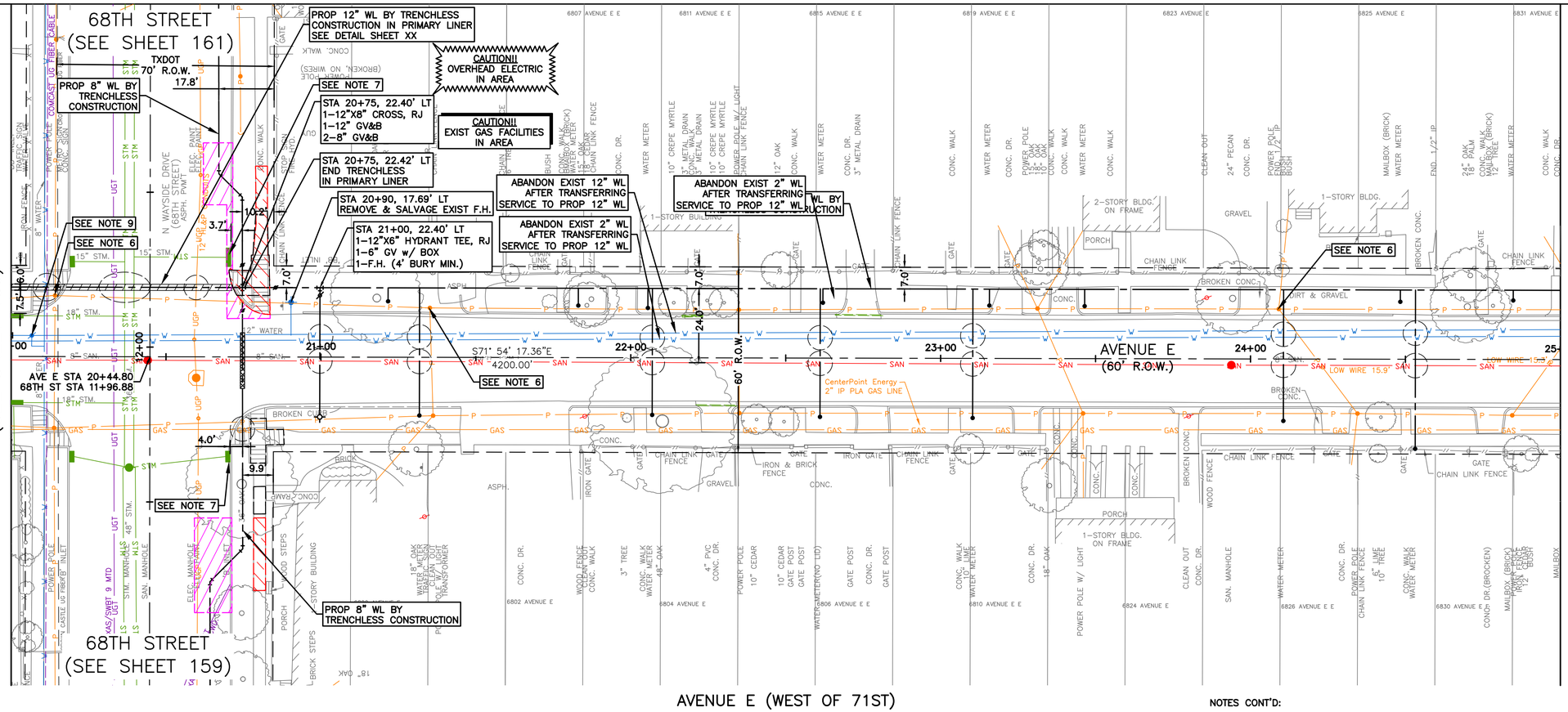
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 107 OF 318	



SEE SHEET 109
FOR PROFILE VIEW

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
10. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT STANDARD DETAILS AND SPECS, AND MATCH EXISTING ELEVATIONS. SEE SHEET 224 TO 236 FOR STANDARD DETAILS.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PLAN VIEW
STA. 20+00 TO STA. 25+00
(SHEET 6 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 108 OF 318	

PLOTTED: 12/12/2025 1:23 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE E-1.dwg

PLOTTED: 12/12/2025 1:24 PM

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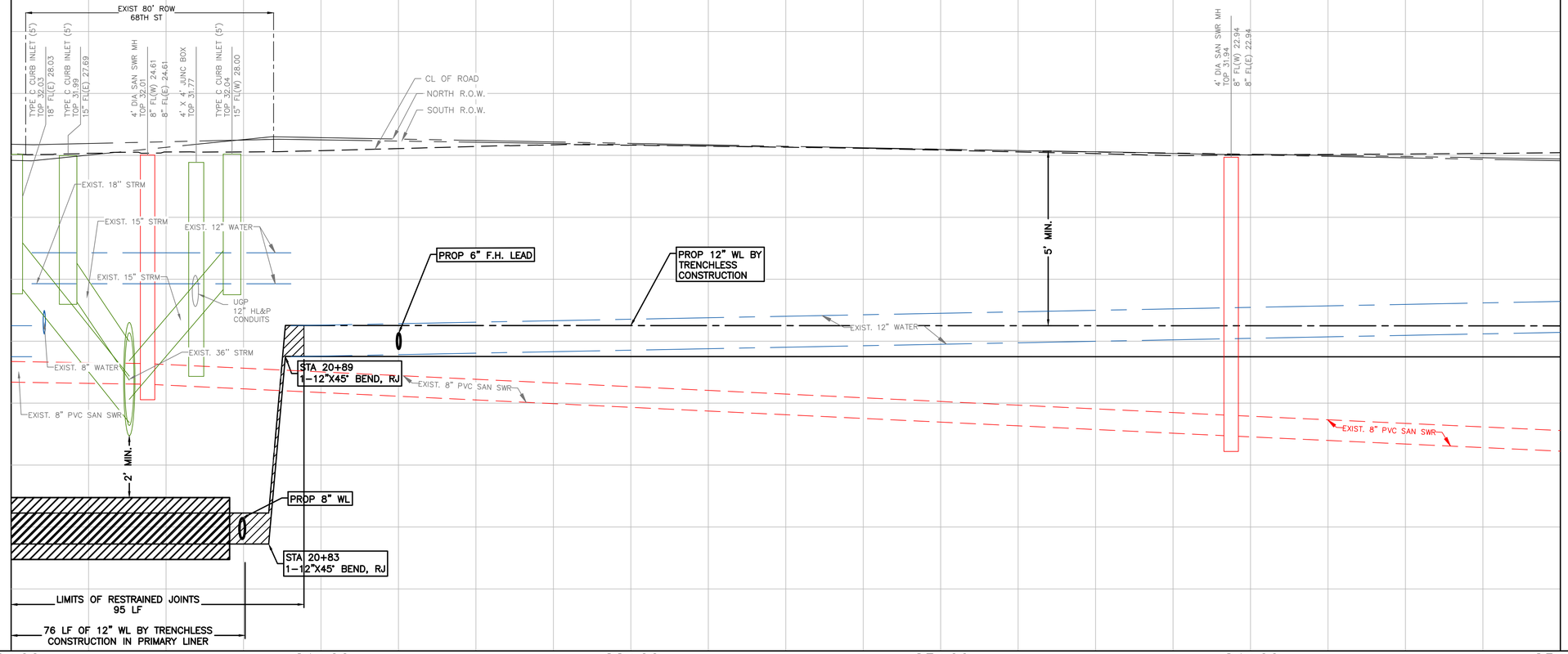
NO.	DATE	REVISION	APP.

SEE SHEET 108
FOR PLAN VIEW



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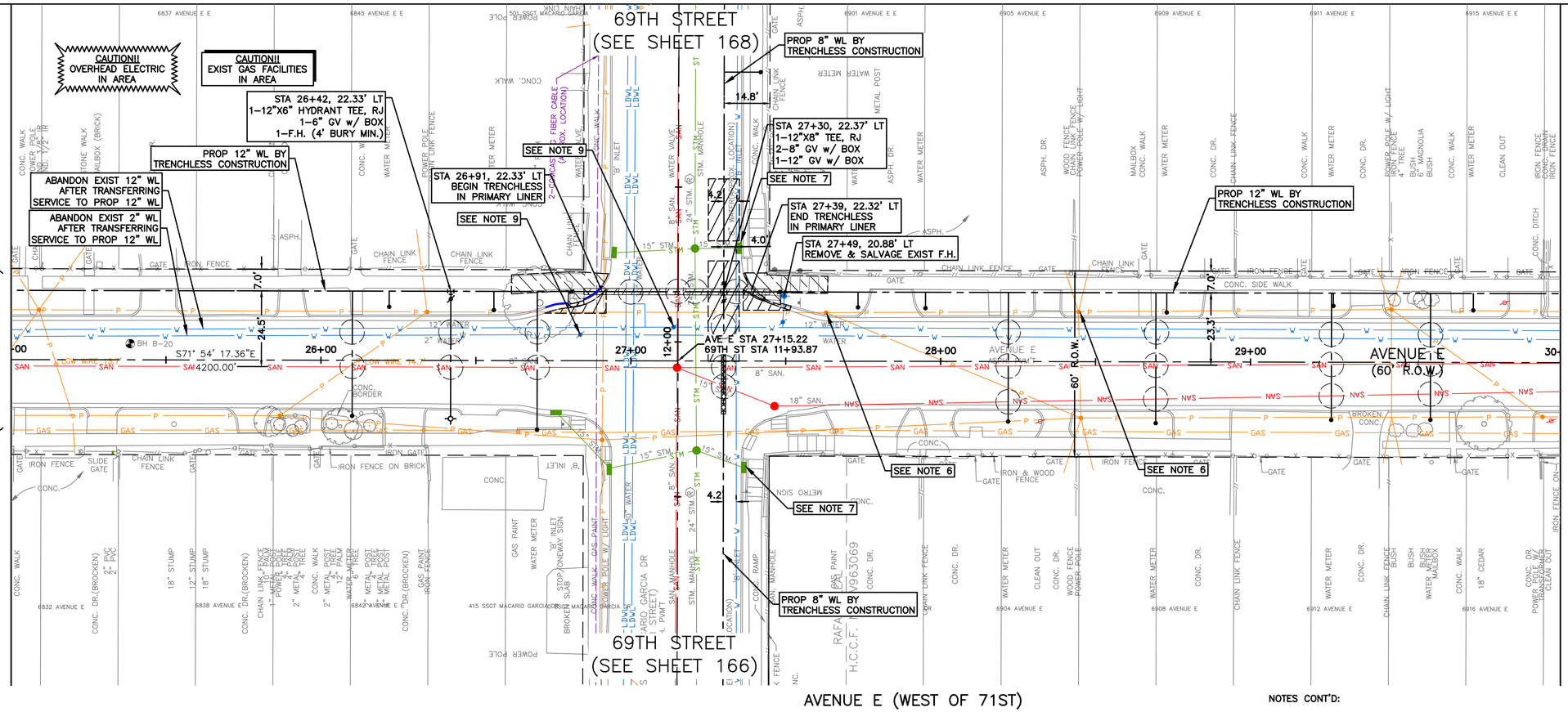
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PROFILE VIEW
STA. 20+00 TO STA. 25+00
(SHEET 7 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 109 OF 318	



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WL.
10. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH EXISTING ELEVATIONS. SEE SHEET 224 TO 236 FOR STANDARD DETAILS.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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SURVEYED BY:
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PLAN VIEW
STA. 25+00 TO STA. 30+00
(SHEET 8 OF 14)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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CITY OF HOUSTON PM	
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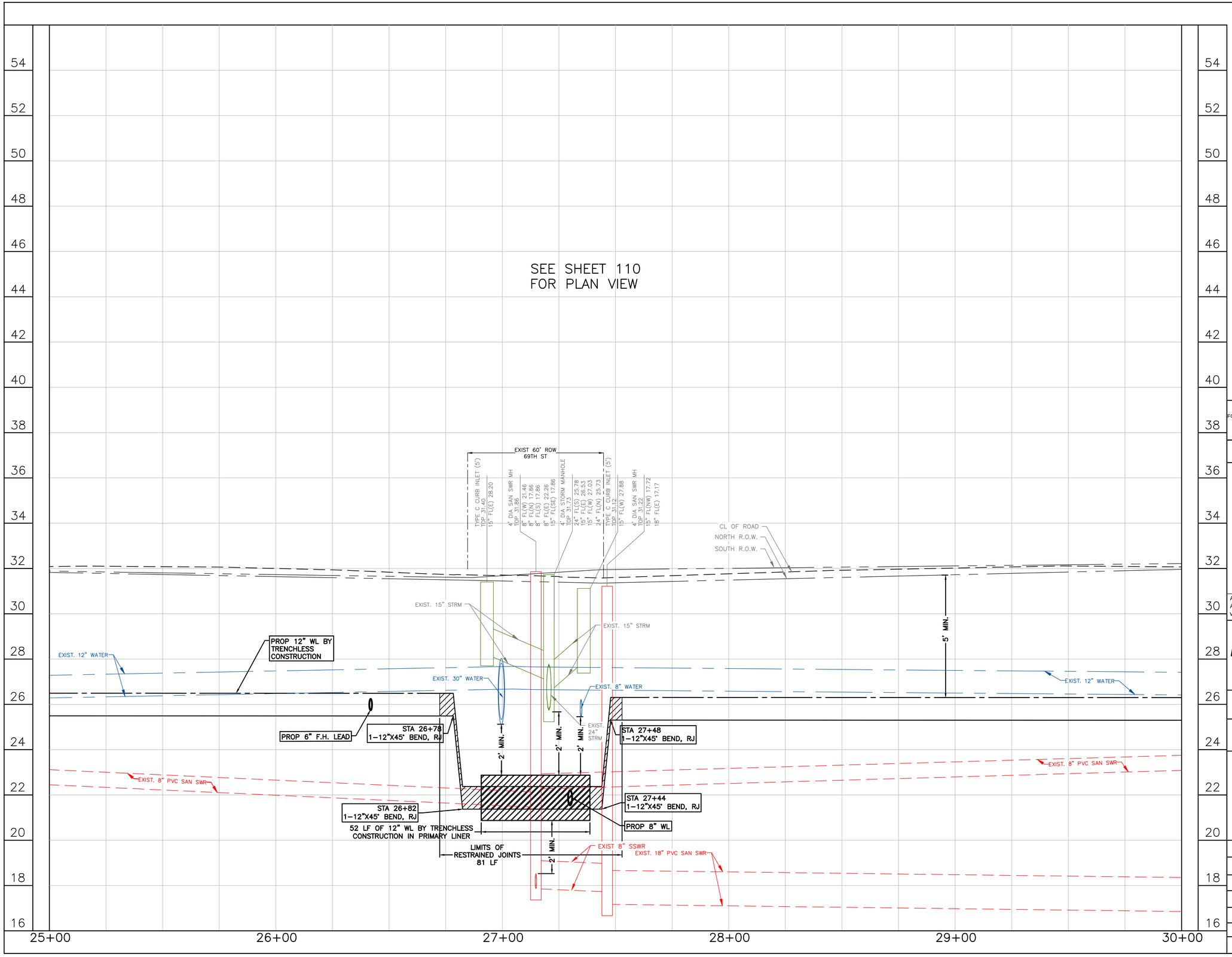

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SHEET NO. 111 OF 318	

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MATCH LINE STA 30+00
(SEE SHEET 110)

MATCH LINE STA 35+00
(SEE SHEET 113)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

STA 30+26, 22.28' LT
1–12"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

ABANDON EXIST 2" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

SEE NOTE 6

PROP 12" WL BY TRENCHLESS CONSTRUCTION

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

STA 33+43, 22.24' LT
1–12" GV w/ BOX

SEE NOTE 6

STA 34+09, 16.69' LT
REMOVE & SALVAGE EXIST F.H.

STA 34+14, 22.23' LT
1–12"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

AVENUE E (60' R.O.W.)

70TH STREET

70TH STREET (SEE SHEET 171)

S71° 54' 17.36"E
4200.00'

AVENUE E (WEST OF 71ST)

EXIST 60' ROW
70TH ST

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

PROP 12" WL BY TRENCHLESS CONSTRUCTION

PROP 6" F.H. LEAD

EXIST. 12" WATER

EXIST. 8" PVC SAN SWR

EXIST. 42" STRM

EXIST. 18" RCP

5' MIN.

2' MIN.

STA 33+40
1–12"X45° BEND, RJ

STA 33+44
1–12"X45° BEND, RJ

STA 34+10
1–12"X45° BEND, RJ

STA 34+06
1–12"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
81 LF

30+00 31+00 32+00 33+00 34+00 35+00

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
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- EASEMENTS

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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AT&T
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DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PLAN AND PROFILE
STA. 30+00 TO STA. 35+00
(SHEET 10 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 112 OF 318	

PLOTTED: 12/12/2025 1:26 PM

FILE PATH: J:\cohoustonpwe\200000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE E-2.dwg

MATCH LINE STA 35+00
(SEE SHEET 112)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

ABANDON EXIST 2" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

PROP 12" WL BY TRENCHLESS CONSTRUCTION

STA 37+24, 22.19' LT
1-12"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

SEE NOTE 6

SEE NOTE 6

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

7009 AVENUE E | 7013 AVENUE E | 7015 AVENUE E E | 7021 AVENUE E E | 7025 AVENUE E E | 7029 AVENUE E E | 7033 AVENUE E E | 7037 AVENUE E E | 7039 AVENUE E E | 7041 AVENUE E E | 7045 AVENUE E

AVENUE E
(60' R.O.W.)

S71° 54' 17.36"E
4200.00'

35+00 | 36+00 | 37+00 | 38+00 | 39+00 | 40+00

60' R.O.W.

23.1'

7.0'

CenterPoint Energy
2" IP PLA GAS LINE

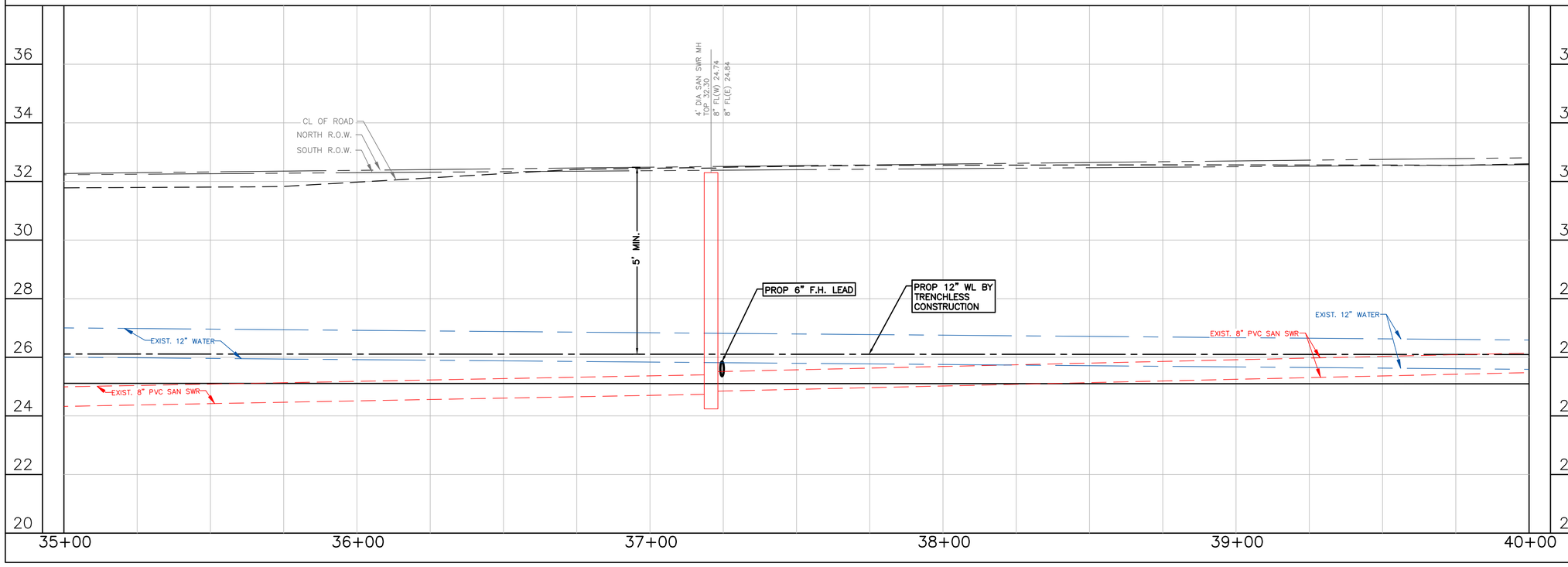
8" SAN.

BEGIN BASELINE
STA. 0+00.00
N: 13836151.6616
E: 3143045.6677

0+00

7010 AVENUE E | 7014 AVENUE E E | 7020 AVENUE E E | 7022 AVENUE E E | 7024 AVENUE E E | 7026 AVENUE E E | 7028 AVENUE E E | 7036 AVENUE E | 7040 AVENUE E E | 7044 AVENUE E E

AVENUE E (WEST OF 71ST)



MATCH LINE STA 40+00
(SEE SHEET 114)

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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NO.	DATE	REVISION	APP.

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (WEST OF 71ST)
PLAN AND PROFILE
STA. 35+00 TO STA. 40+00
(SHEET 11 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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DRAWING SCALE	
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 113 OF 318	

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MATCH LINE STA 40+00
(SEE SHEET 113)

71ST STREET
(SEE SHEET 177)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

PROP 12" WL BY TRENCHLESS CONSTRUCTION

STA 41+36, 3.78' LT
2-2" CUT, PLUG & ABANDON

STA 41+24, 22.14' LT
1-12"X6" PARALLEL HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

STA 41+08, 17.63' LT
REMOVE & SALVAGE EXIST F.H.

PROP 12" WL BY TRENCHLESS CONSTRUCTION

SEE SHEET 114 FOR PLAN & PROFILE INFO

END BASELINE
STA. 42+00.00
N: 13836134.7847
E: 3143295.9283

AVE E STA 41+55.99
71ST ST STA 11+86.29

SEE SHEET 115 FOR PLAN & PROFILE INFO

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

ABANDON EXIST 2" WL AFTER TRANSFERRING SERVICE TO PROP 12" WL

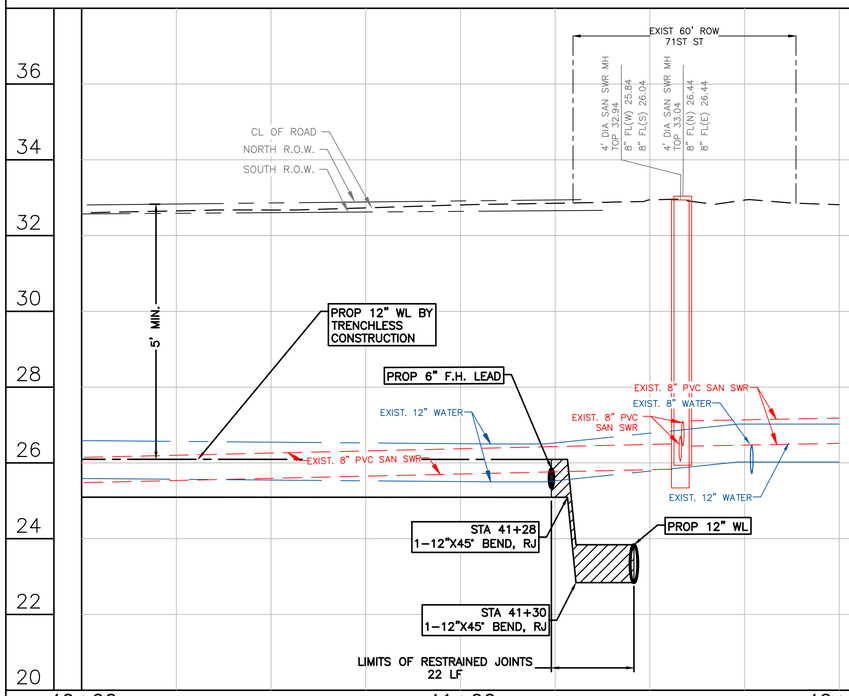
AVE E STA 1+99.72
71ST ST STA 11+48.33

AVE E STA 1+99.75
71ST ST STA 11+26.30

AVENUE E
(60' R.O.W.)

(SEE SHEET 115)

AVENUE E (WEST OF 71ST)



SCALE 1"=20'

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
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- EASEMENTS

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NOTES CONT'D:

8. CONTRACTOR TO DECOMMISSION ON EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
9. EXISTING FOC BOX TO BE RELOCATED BY OTHERS.
10. EXISTING CNP 3.25" HDPE FRANCHISE UTILITY TO BE RELOCATED BY OTHERS.

NO.	DATE	REVISION	APP.

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HOUSTON PUBLIC WORKS

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PLAN AND PROFILE
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 114 OF 318	

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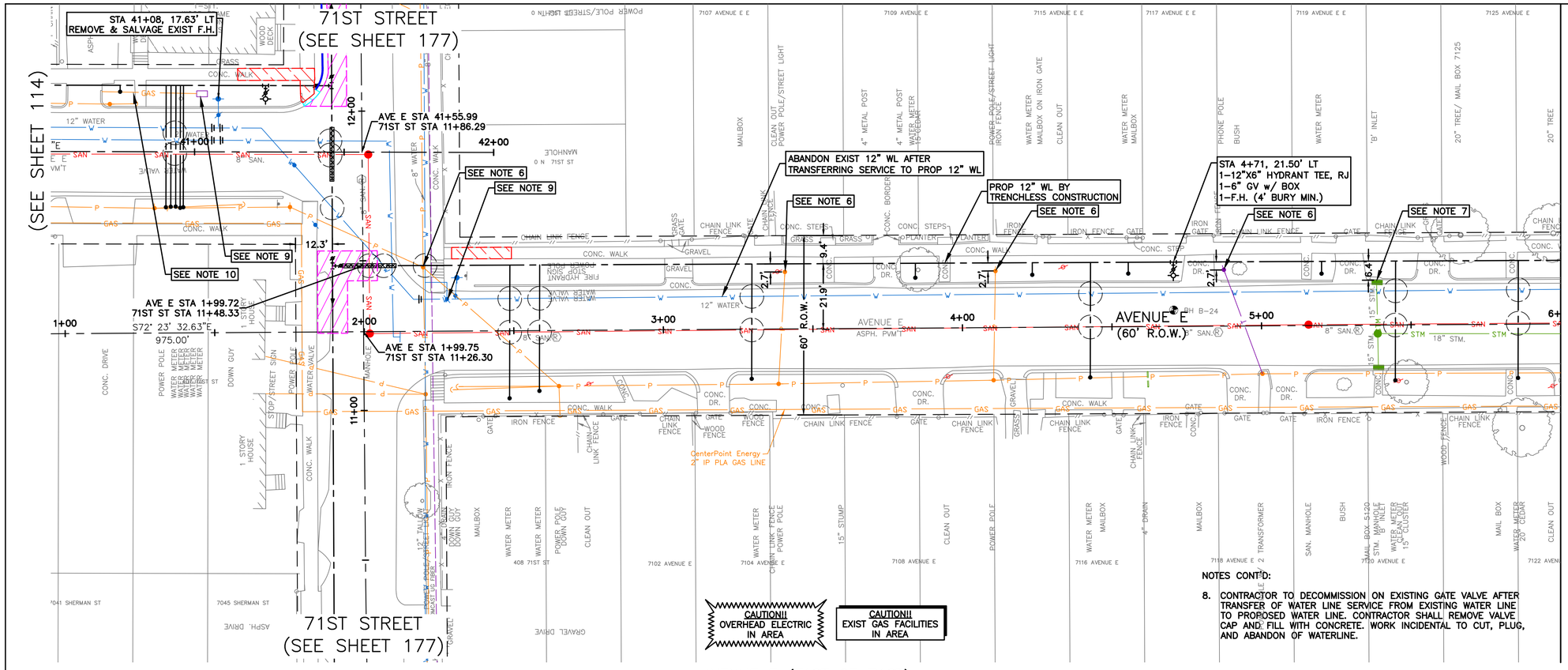

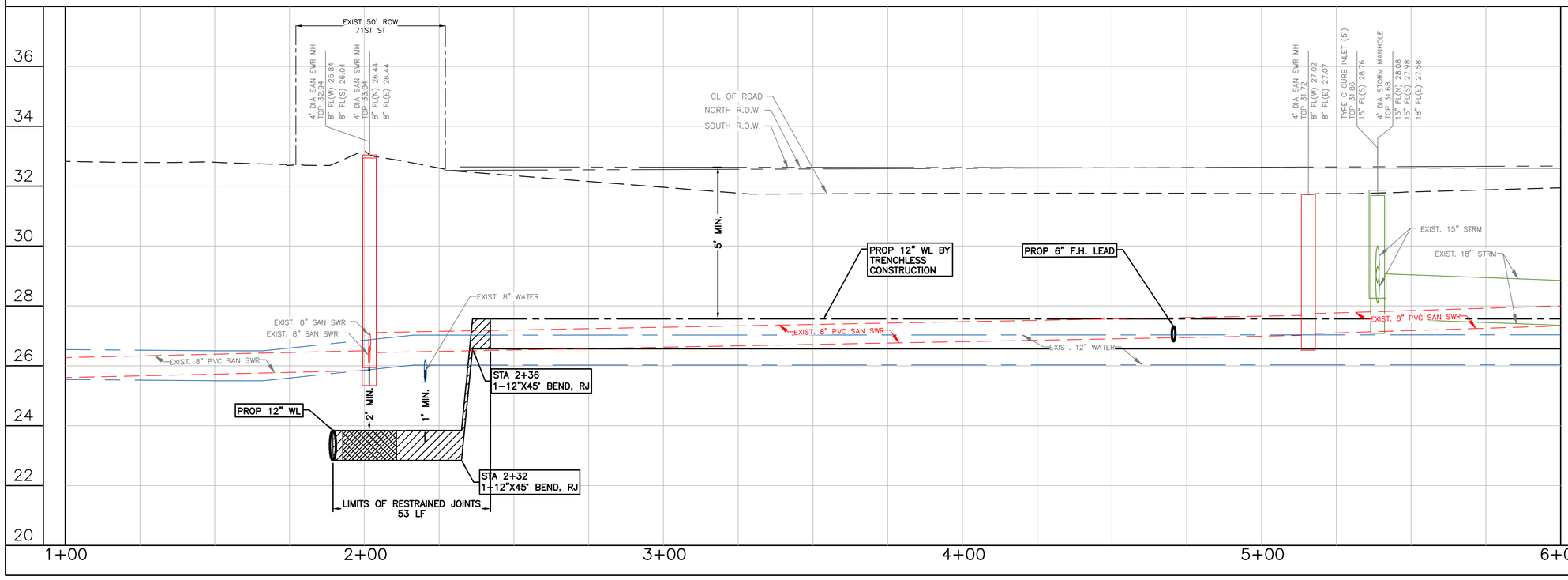

SCALE 1"=20'

LEGEND:

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NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (EAST OF 71ST)
PLAN AND PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 13 OF 15)

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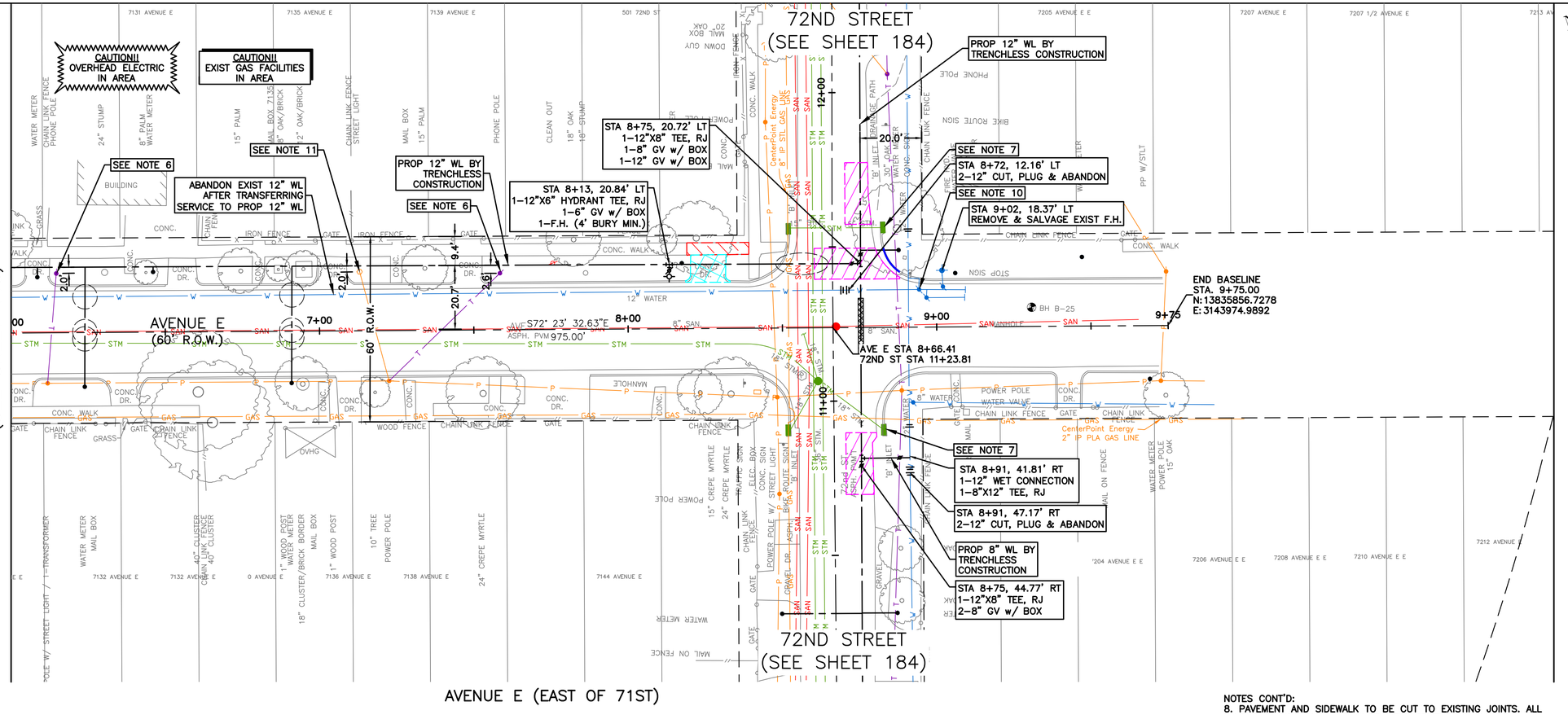
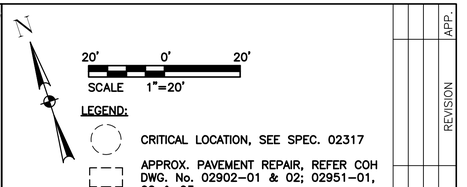


AVENUE E (EAST OF 71ST)

SEE SHEET 111
FOR PROFILE VIEW



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8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO COORDINATE SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
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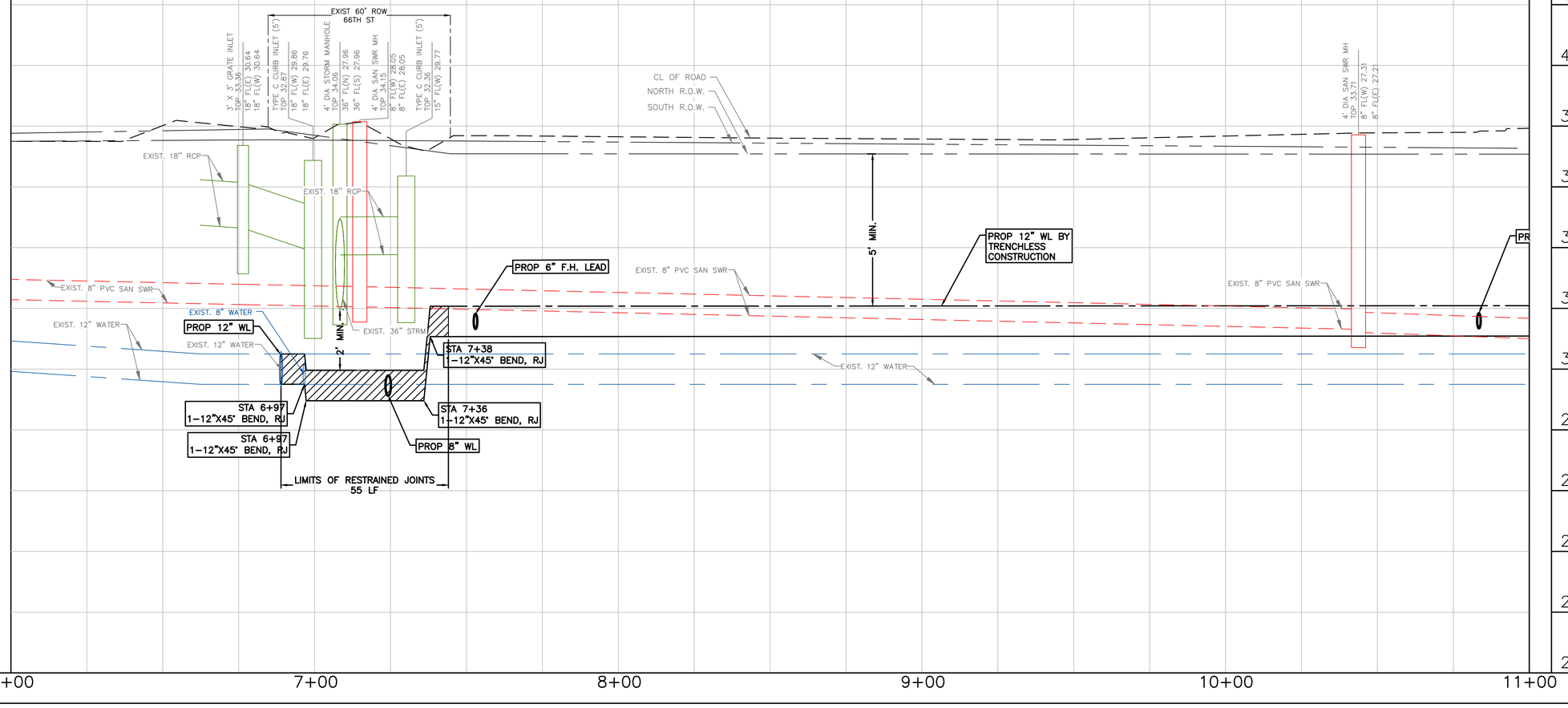
SEE SHEET 110
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE E (EAST OF 71ST)
PROFILE VIEW
STA. 6+00 TO STA. 9+50
(SHEET 15 OF 15)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 117 OF 318	

PLOTTED: 12/12/2025 1:31 PM

BEGIN BASELINE
STA. 0+00.00
N: 13837704.4302
E: 3139313.2479

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

STA 5+37, 14.26' LT
1–20"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

STA 5+27, 14.30' LT
1–20"X45° BEND, RJ

STA 5+18, 5.75' LT
1–20"X45° BEND, RJ

SEE NOTE 11

SEE SHEET 195 FOR CROSS SECTION VIEW

STA 5+18, 10.41' RT
1–20"X24" TS&V

PROP 20" WL BY TRENCHLESS CONSTRUCTION

ABANDON EXIST 2" WL

STA 5+27, 10.45' RT
2–24" CUT, PLUG & ABANDON

ABANDON EXIST 24" WL AFTER TRANSFERRING SERVICE TO PROP 20" WL

STA 6+49, 24.59' LT
1–20"X45° BEND, RJ

STA 6+38, 13.84' LT
1–20"X45° BEND, RJ

SEE NOTE 7

SEE NOTE 6

SEE NOTE 10

BRADY STREET
(60' R.O.W.)

S72° 27' 59.85"E
775.00'

65TH STREET
(SEE SHEET 143)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

END BASELINE
STA. 7+75.00
N: 13837491.1184
E: 3139637.5281

STA 7+23, 24.27' LT
1–20"X20° TEE, RJ

BRADY ST STA 7+02.84
65TH ST STA 13+72.28

SEE NOTE 6

PROP 20" WL BY TRENCHLESS CONSTRUCTION

FELIX HUERTA ELEMENTARY SCHOOL
3400 SHERMAN ST,
HOUSTON, TX 77011

6315 BRADY ST
6319 BRADY ST
6316 BRADY ST
6414 BRADY ST
6415 BRADY ST
6416 BRADY ST
6417 BRADY ST
505 65TH ST
503 65TH ST

UPRR
52' R.O.W.

SCALE 1"=20'

LEGEND:

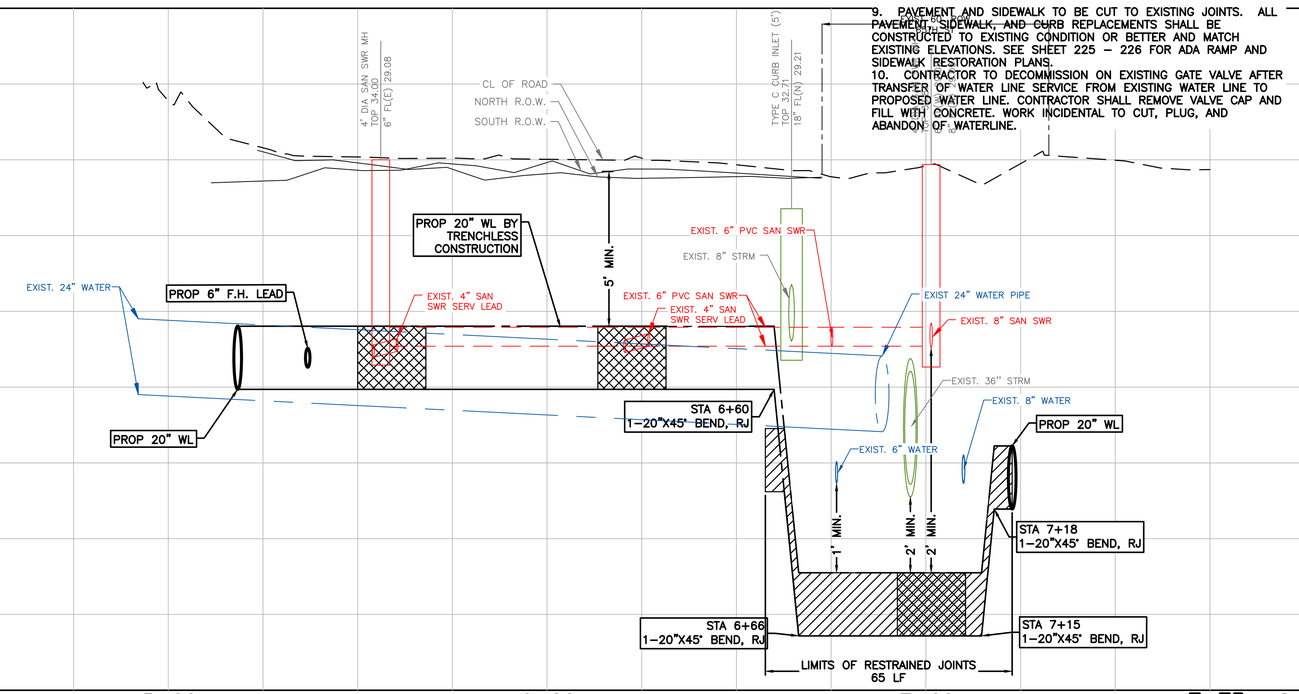
- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 24" WL PRIOR TO MAKING CONNECTION.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO COORDINATE SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION ON EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDONMENT OF WATERLINE.



NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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AT&T
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NO.	DATE	REVISION	APP.

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

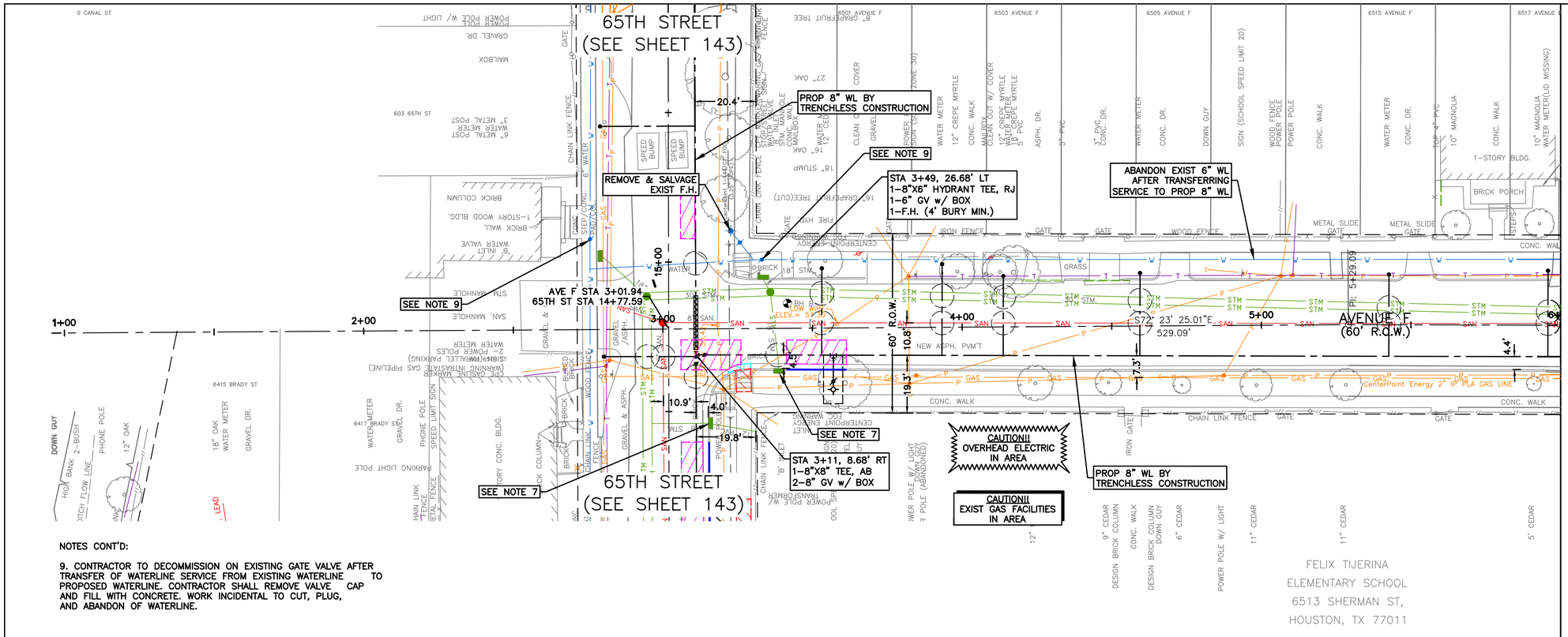
BRADY STREET
PLAN AND PROFILE
STA. 3+00 TO STA. 7+73
(SHEET 1 OF 1)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 118 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – BRADY.dwg

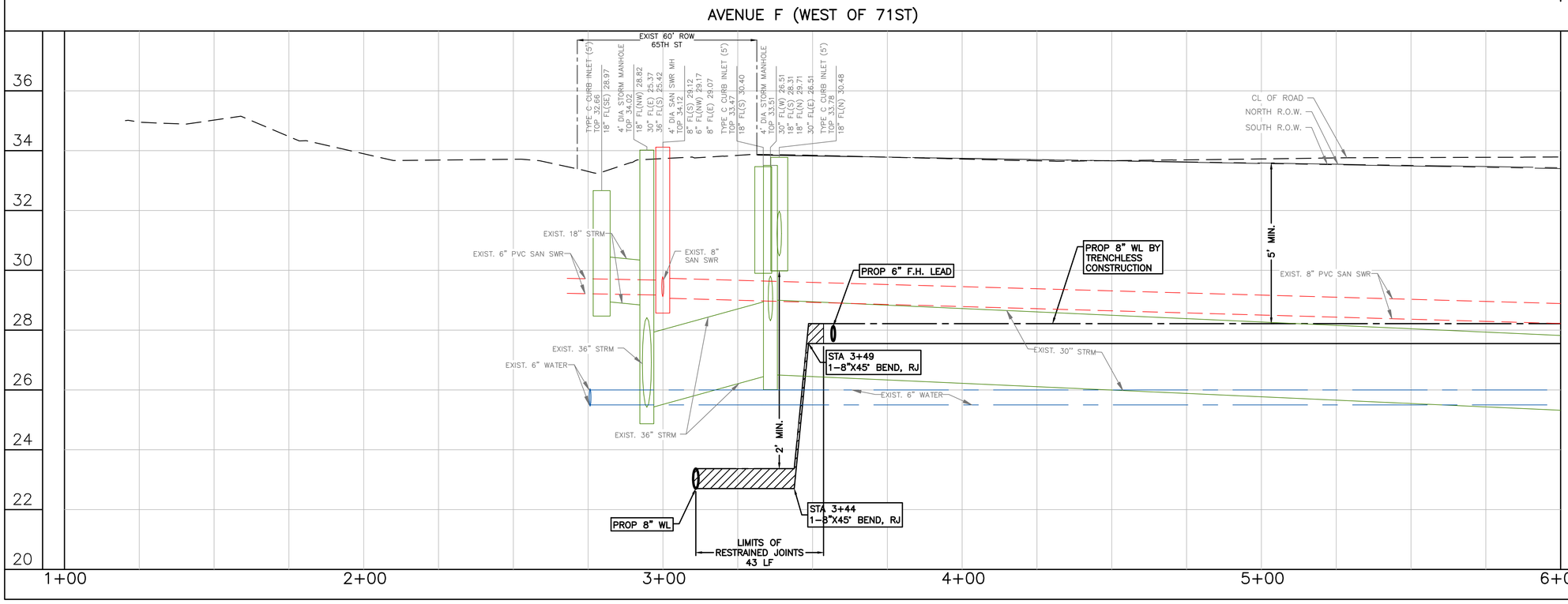
PLOTTED: 12/12/2025 1:33 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-1.dwg



NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION ON EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.



SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

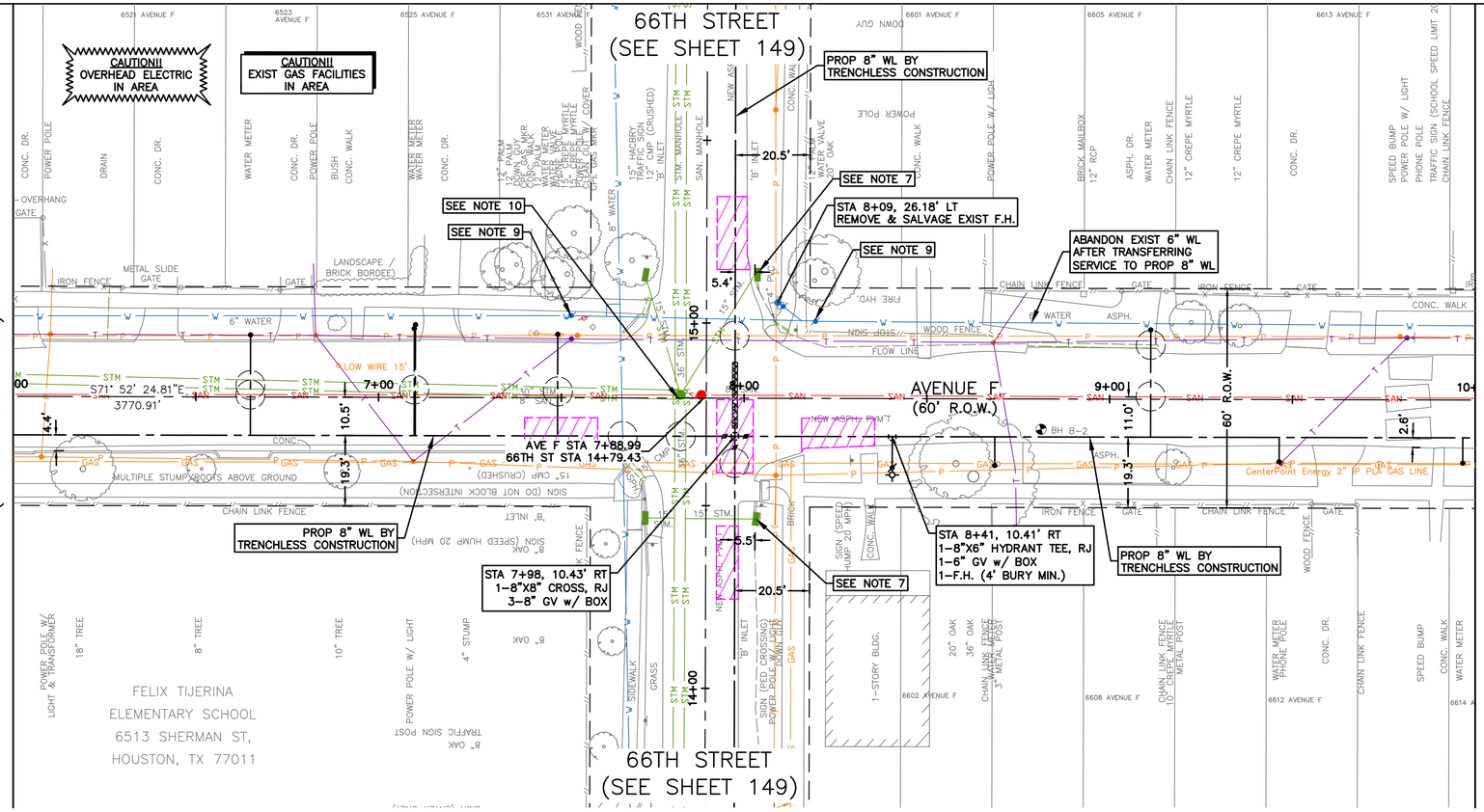
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PLAN AND PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 20)

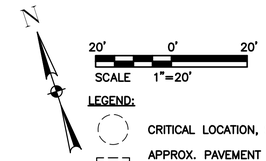
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 119 OF 318	

PLOTTED: 12/12/2025 1:33 PM

MATCH LINE STA 6+00
(SEE SHEET 119)



MATCH LINE STA 10+00
(SEE SHEET 121)



LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVED VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
10. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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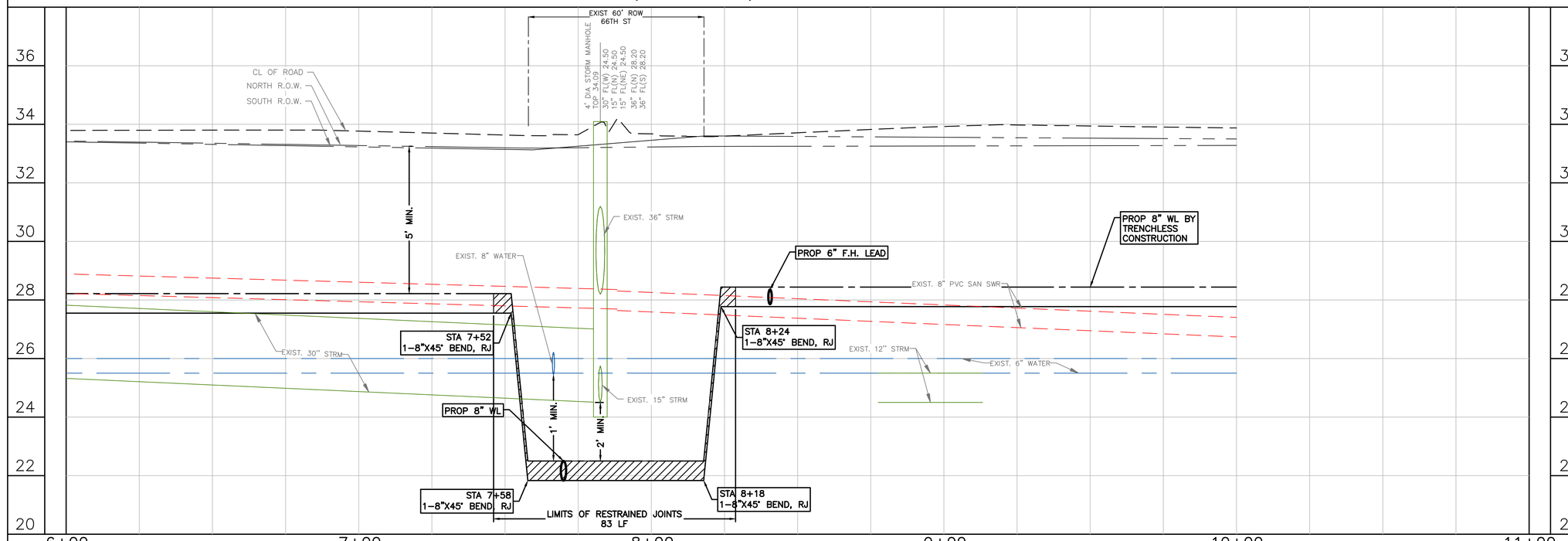

AVENUE F (WEST OF 71ST)

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PLAN AND PROFILE
STA. 6+00 TO STA. 10+00
(SHEET 2 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 120 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-1.dwg

PLOTTED: 12/12/2025 1:34 PM

MATCH LINE STA 10+00 (SEE SHEET 120)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

SELLERS BROS. INVESTMENTS, LTD. H.C.C.F. NO. U219568

67TH STREET (SEE SHEET 155)

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 14+70, 36.17' LT REMOVE & SALVAGE EXIST F.H.

STA 14+63, 10.46' LT 1–8"X8" CROSS, RJ 3–8" GV w/ BOX

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

SEE NOTE 10

SEE NOTE 8

SEE NOTE 10

AVENUE F (60' R.O.W.)

S71° 52' 24.81"E 3770.91'

60' R.O.W.

NEW ASPH. PVM'T

AVE F STA 14+47.36
67TH ST STA 14+63.43

SEE NOTE 7

STA 11+20, 10.29' RT 1–8"X6" HYDRANT TEE, RJ 1–6" GV w/ BOX 1–F.H. (4' BURY MIN.)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 13+70, 10.18' RT 1–8"X6" HYDRANT TEE, RJ 1–6" GV w/ BOX 1–F.H. (4' BURY MIN.)

SELLERS BROS. INVESTMENTS, LTD. 6640 AVENUE F H.C.C.F. NO. U219568

SEE NOTE 6

67TH STREET (SEE SHEET 155)

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVED VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

AVENUE F (WEST OF 71ST)

MATCH LINE STA 15+00 (SEE SHEET 122)

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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SIGNATURE VALID FOR SIX (6) MONTHS

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER: ANDRES BERDUGO, P.E. TEXAS REGISTRATION No.107085

SURVEYED BY: LANDTECH, INC. FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST) PLAN AND PROFILE STA. 10+00 TO STA. 15+00 (SHEET 3 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 121 OF 318	

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.
5' MIN.
PROP 6" F.H. LEAD
PROP 8" WL BY TRENCHLESS CONSTRUCTION
EXIST. 8" PVC SAN SWR
EXIST. 60' ROW 67TH ST
EXIST. 24" STRM
EXIST. 8" WATER PIPE
EXIST. 12" SAN SWR
STA 13+93 1–8"X45° BEND, RJ
PROP 6" F.H. LEAD
EXIST. 6" WATER
EXIST. 8" WATER
2' MIN.
1' MIN.
PROP 8" WL
STA 14+00 1–8"X45° BEND, RJ
STA 14+96 1–8"X45° BEND, RJ

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – AVENUE F–1.dwg

PLOTTED: 12/12/2025 1:34 PM

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MATCH LINE STA 15+00
(SEE SHEET 121)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 17+34, 10.58' LT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

SEE NOTE 6

PROP 8" WL BY TRENCHLESS CONSTRUCTION

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

AVENUE F
(60' R.O.W.)

S71° 52' 24.81"E
3770.91'

BH B-4

CenterPoint Energy 2" IP AA GAS LINE

6" WATER

NEW ASPH. PVM'T

GRAVEL MIX ASPH.

CONC. MIX ASPH.

16+00 17+00 18+00 19+00

60' R.O.W.

3.5' 7.3' 10.3' 20.0' 4.7'

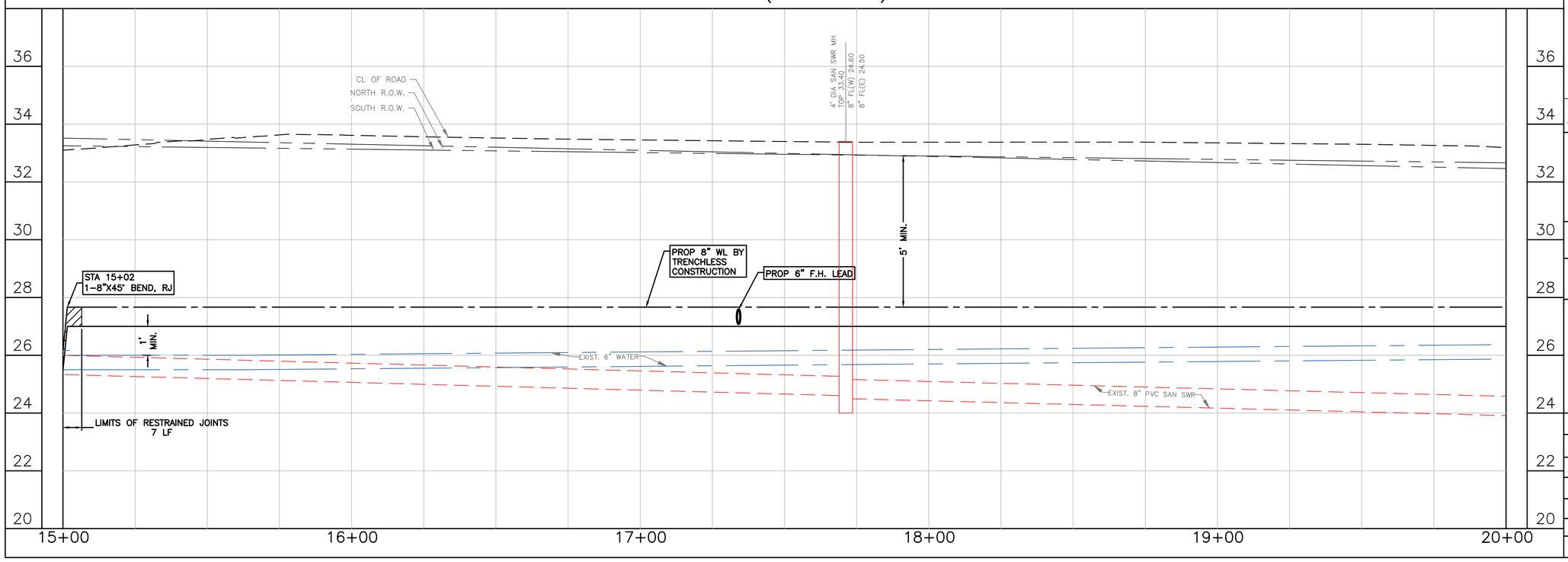
6705 AVENUE F 6707 AVENUE F 6709 AVENUE F 6711 AVENUE F 6713 AVENUE F 6715 AVENUE F 6717 AVENUE F 6719 AVENUE F 6721 AVENUE F

6710 AVENUE F 6712 AVENUE F 6718 AVENUE F 6722 AVENUE F 6724 AVENUE F 6728 AVENUE F 6730 AVENUE F 6734 AVENUE F 6738 AVENUE F

CESAR CHAVEZ BLVD

AVENUE F (WEST OF 71ST)

MATCH LINE STA 20+00
(SEE SHEET 123)



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

AT&T
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DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

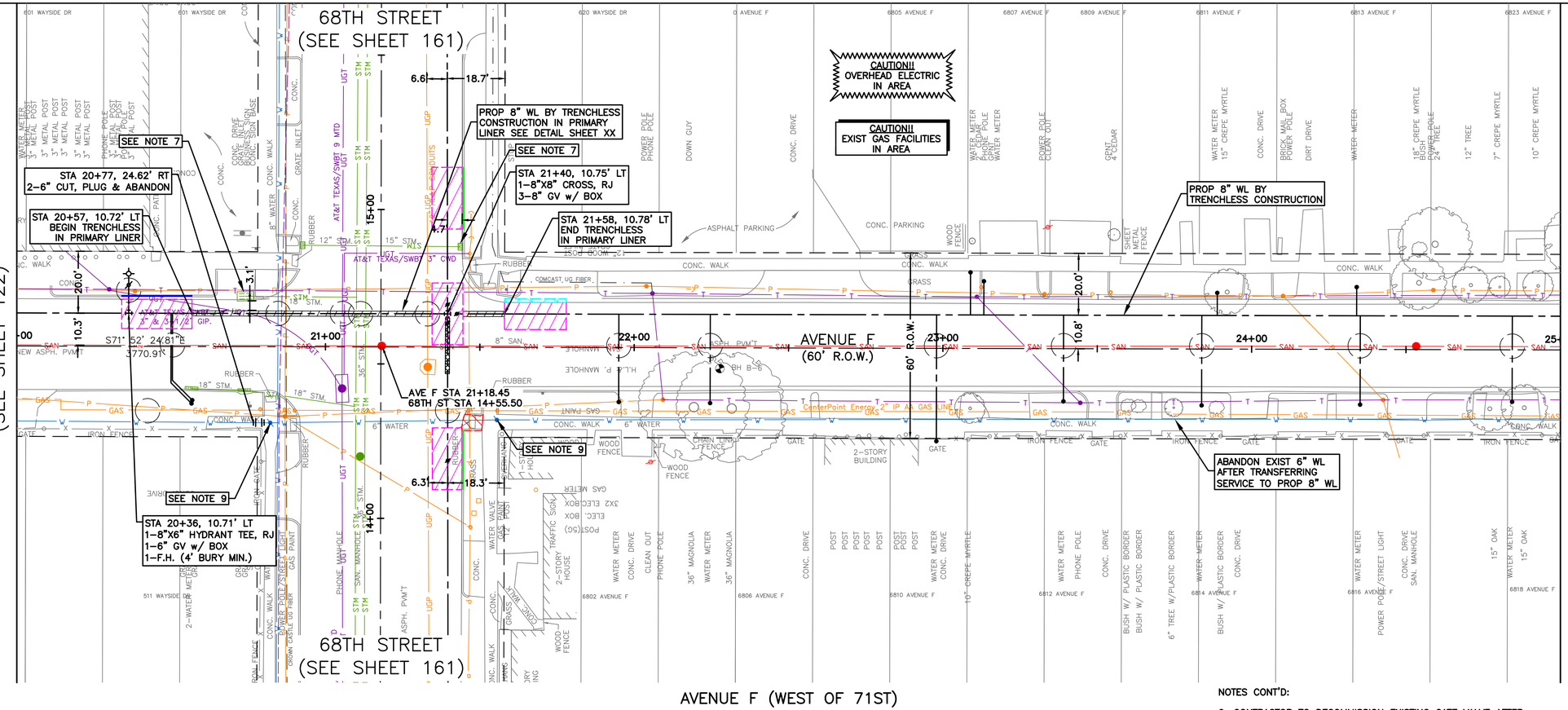
RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST) PLAN AND PROFILE STA. 15+00 TO STA. 20+00 (SHEET 4 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 122 OF 318	



SEE SHEET 124
FOR PROFILE VIEW

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVED VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
10. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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DATE:

AT&T
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NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P– 6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PLAN VIEW
STA. 20+00 TO STA. 25+00
(SHEET 5 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 123 OF 318	

PLOTTED: 12/12/2025 1:35 PM
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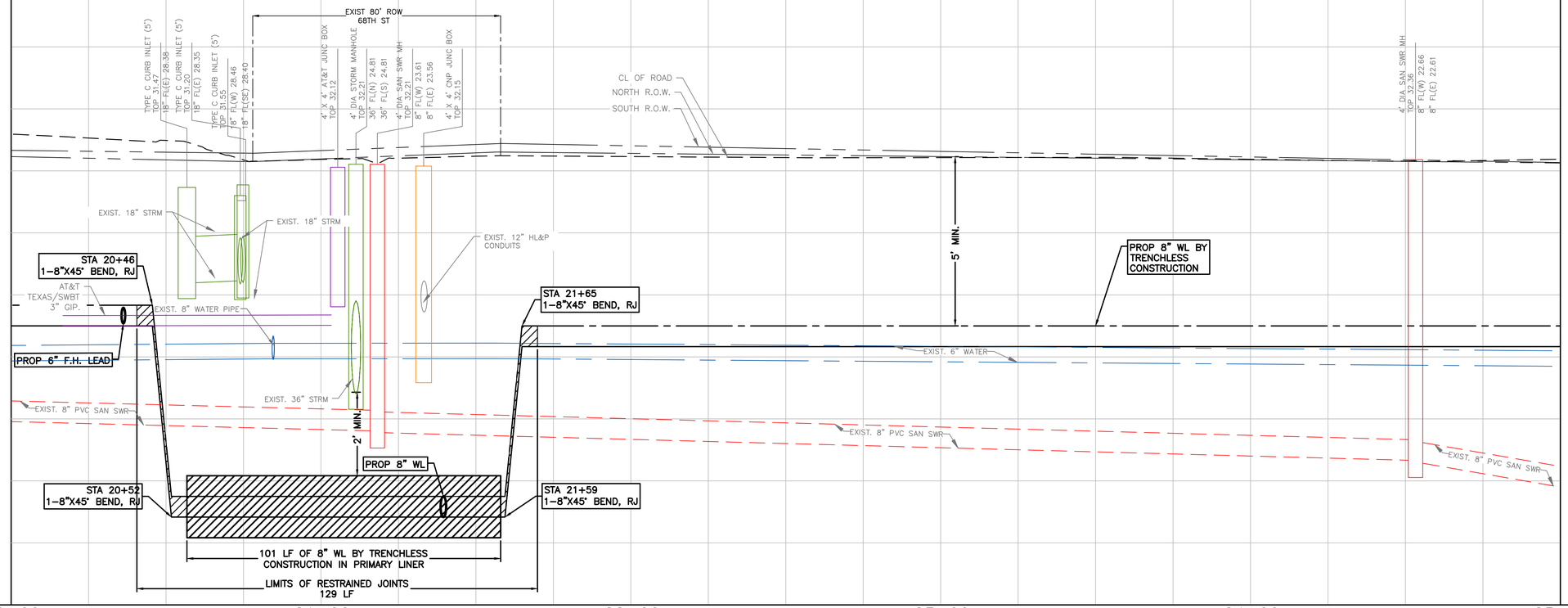
SEE SHEET 123
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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DCCM

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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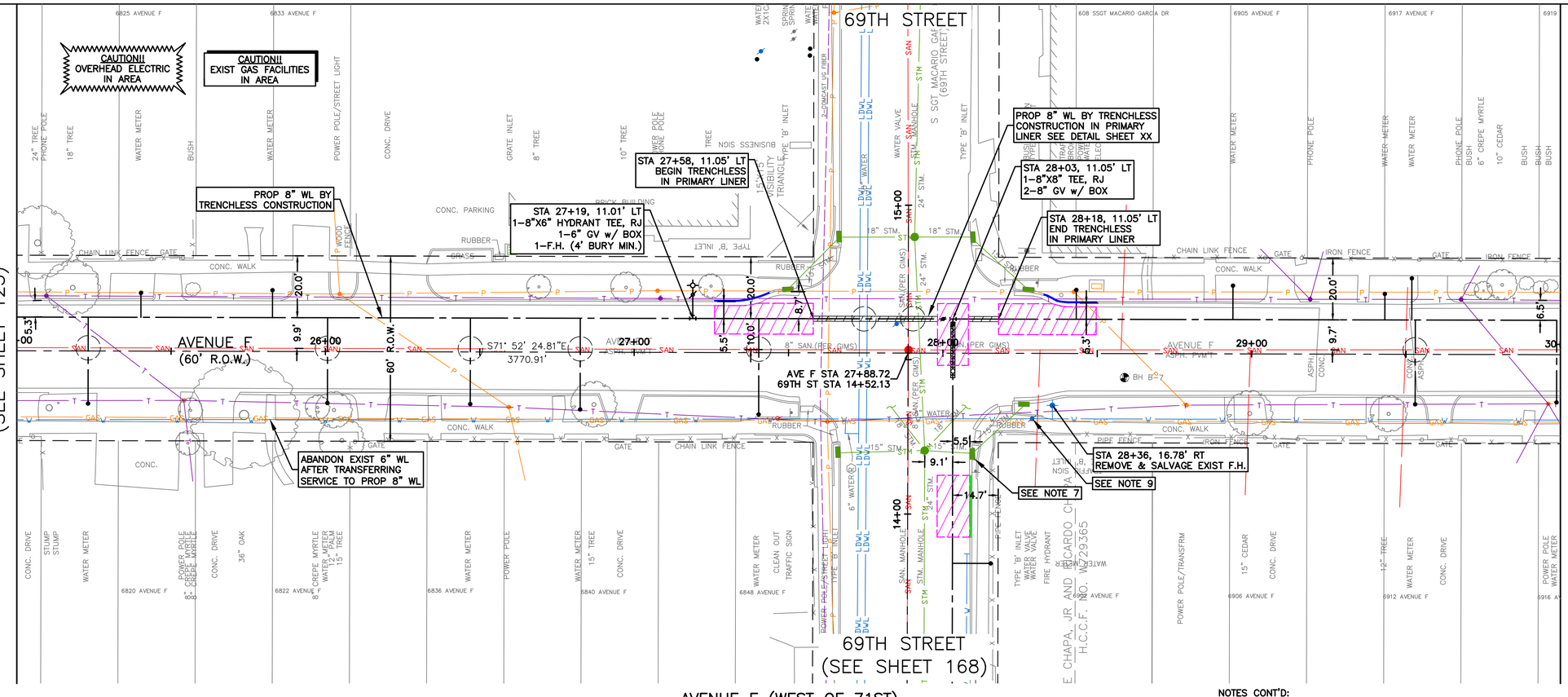
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PROFILE VIEW
STA. 20+00 TO STA. 25+00
(SHEET 6 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 124 OF 318	



SEE SHEET 126
FOR PROFILE VIEW

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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1710 Seamist Dr, Houston, TX 77008
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P– 6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PLAN VIEW
STA. 25+00 TO STA. 30+00
(SHEET 7 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 125 OF 318	

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PLOTTED: 12/12/2025 1:37 PM
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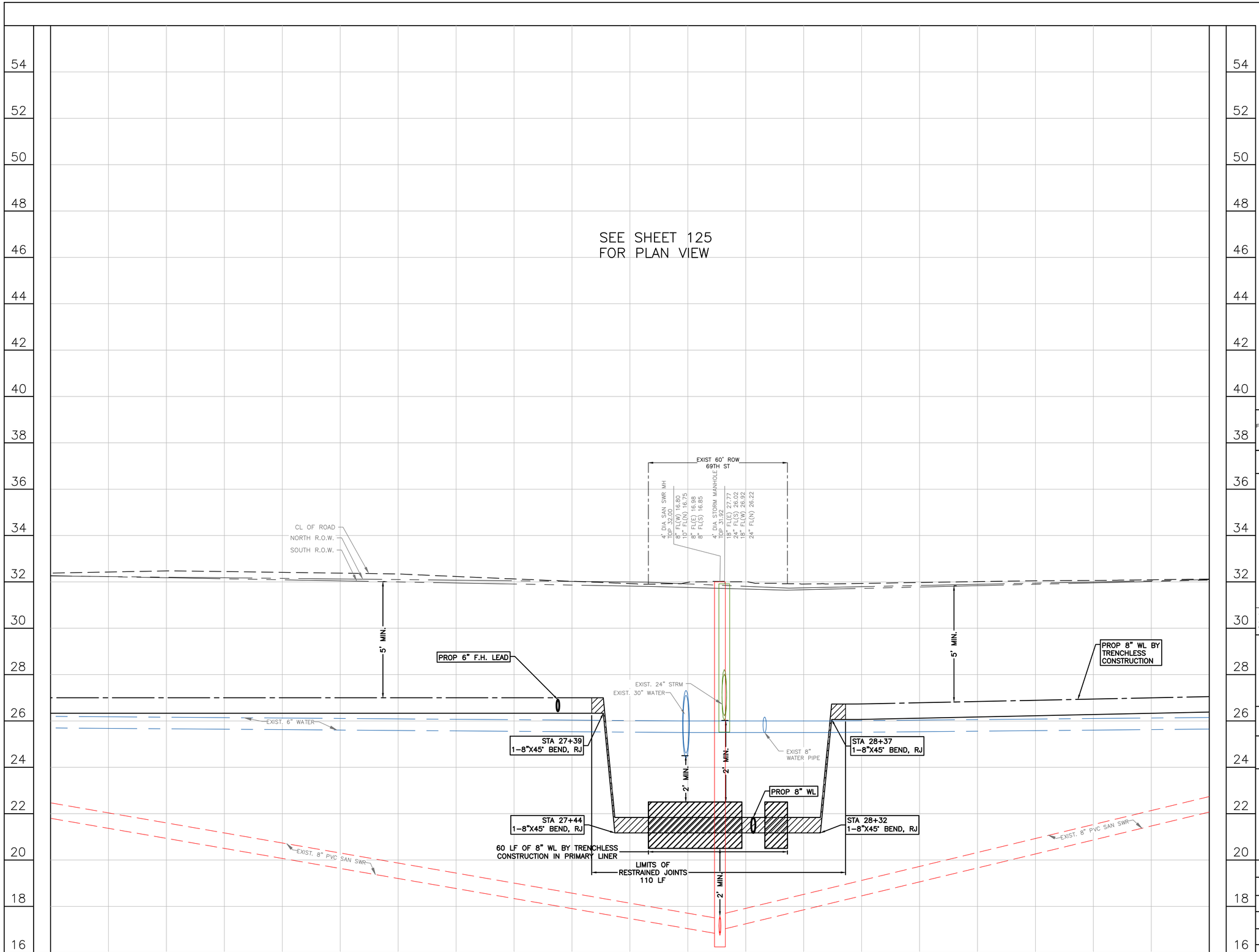

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

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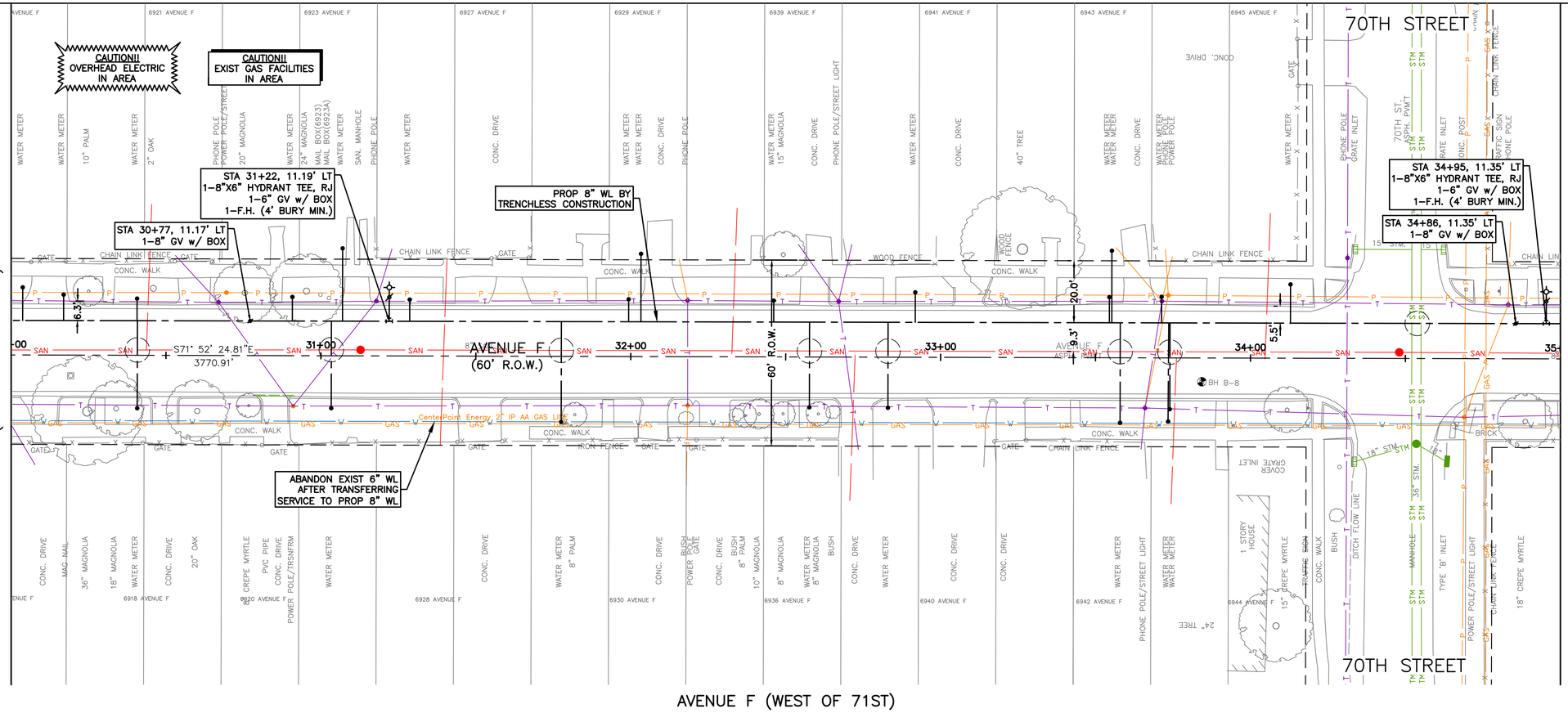
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PROFILE VIEW
STA. 25+00 TO STA. 30+00
(SHEET 8 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 126 OF 318	



SEE SHEET 128
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PLAN VIEW
STA. 30+00 TO STA. 35+00
(SHEET 9 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 127 OF 318	

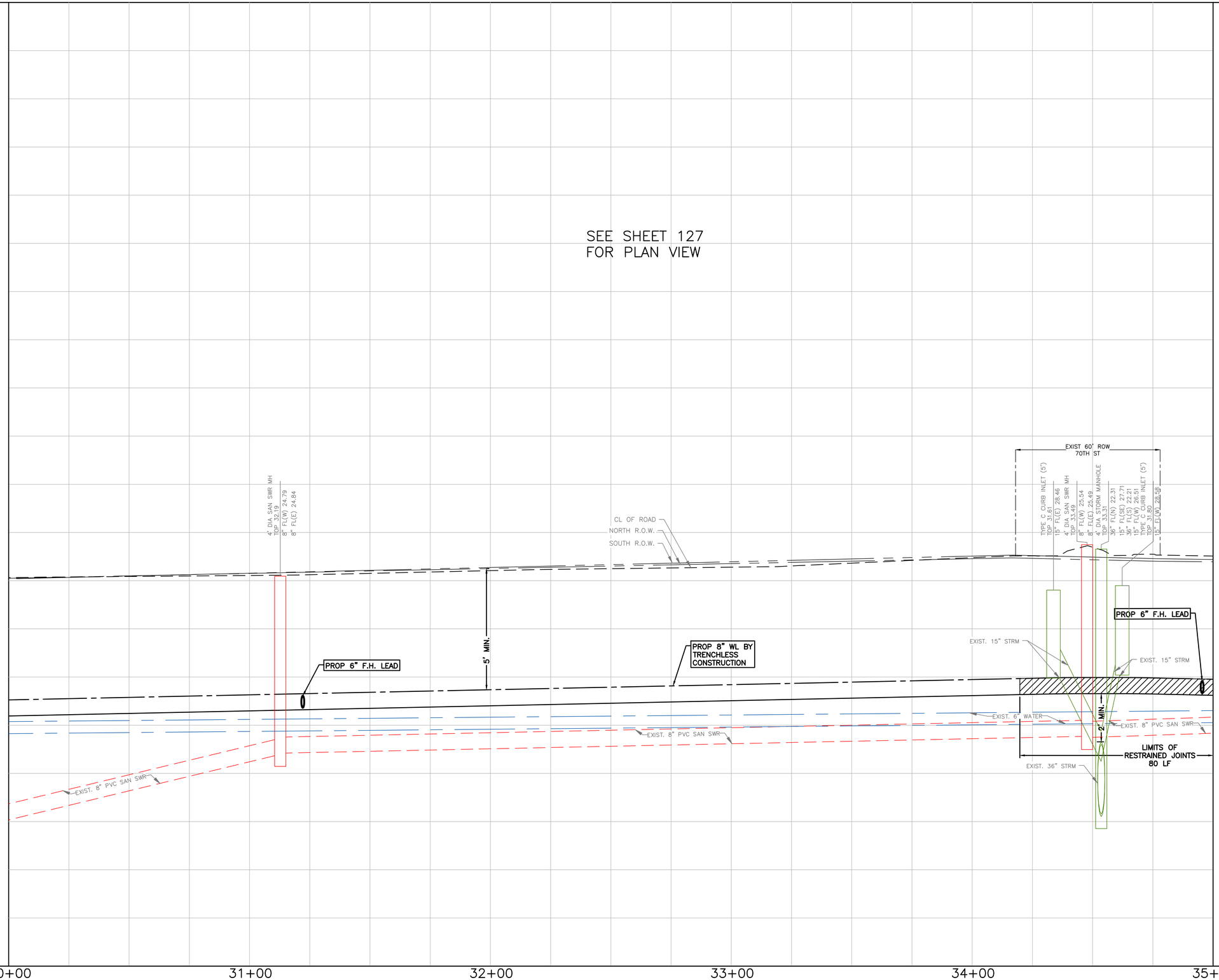
PLOTTED: 12/12/2025 1:37 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – AVENUE F–2.dwg

PLOTTED: 12/12/2025 1:37 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-2.dwg

SEE SHEET 127
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX (6) MONTHS

DATE:
AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PROFILE VIEW
STA. 30+00 TO STA. 35+00
(SHEET 10 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 128 OF 318	

PLOTTED: 12/12/2025 1:38 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-2.dwg

MATCH LINE STA 35+00
(SEE SHEET 127)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

7001 AVENUE F | 7007 AVENUE F | 7011 AVENUE F | 7013 AVENUE F | 7015 AVENUE F | 7017 AVENUE F | 7019 AVENUE F | 7021 AVENUE F | 7023 AVENUE F | 7037 AVENUE F | 7039 AVENUE F

WATER METER, WATER METER, CONC. DRIVE, WATER METER PHONE POLE, WATER METER, POWER POLE, CONC. DRIVE, 12" PALM, 12" PALM, PHONE POLE, CONC. DRIVE, 10" TREE, 10" TREE, WATER METER, WATER METER, 30" OAK PHONE POLE, CONC. DRIVE, CONC. DRIVE, 8" TREE WATER METER, 18" PINE MANHOLE, CONC. DRIVE, PHONE POLE POWER POLE/STREET LIGHT, WATER METER, CONC. DRIVE, 15" CREPE MYRTLE PHONE POLE WATER METER, CONC. DRIVE, 4" PVC DRAIN, 12" PALM, 12" PALM, 10" OAK, MAIL BOX(7039) 12" PALM 4" PVC DRAIN, CONC. DRIVE

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 38+42, 11.50' LT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

FENCE, GATE, IRON FENCE, CONC. WALK, CHAIN LINK FENCE, WOOD GATE

20.0', 10.0'

35+00 | AVENUE F (WEST FORK WCH) | S71° 52' 24.81"E 3770.91' | 36+00 | 37+00 | 38+00 | 39+00 | AVENUE F (60' R.O.W.) | 40-

CenterPoint Energy - 2" IP PLA GAS LINE

60' R.O.W.

B-B-9

6" WATER, SAN, GAS, OAK, W

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

GATE, IRON FENCE, CHAIN LINK FENCE

WATER METER, 7002 AVENUE F, CREPE MYRTLE, 15" CREPE MYRTLE, CONC. DRIVE, 7008 AVENUE F, SPRINKLER HEAD, WATER METER, PHONE POLE/STREET LIGHT, CONC. DRIVE, 7010 AVENUE F, WATER METER, CONC. DRIVE, CLEAN OUT, PHONE POLE/STREET LIGHT, WATER METER, BRICK BORDER, BUSH/BRICK BORDER, 7012 AVENUE F, CONC. DRIVE, WATER METER, CLEAN OUT, CONC. DRIVE, 7014 AVENUE F, PHONE POLE, WATER METER, CONC. DR W/METER PLATE, PHONE POLE, 7016 AVENUE F, 36" CREPE MYRTLE, POWER POLE/TRANSFRM, SMALE SWALE, 24" CREPE MYRTLE, 24" CREPE MYRTLE, WATER METER, 7020 AVENUE F, GRAVEL DRIVE, FIRE HYDRANT, 12" PALM, WATER METER, 7024 AVENUE F, 18" OAK, POLE/STREETLIGHT

AVENUE F (WEST OF 71ST)

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

4" DIA. SAN SWR MH
TOP 33.07'
8" FL(W) 26.87'
8" FL(E) 26.92'

5' MIN.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

PROP 6" F.H. LEAD

EXIST. 8" PVC SAN SWR

EXIST. 6" WATER

LIMITS OF RESTRAINED JOINTS
91 LF

36, 34, 32, 30, 28, 26, 24, 22, 20

35+00 | 36+00 | 37+00 | 38+00 | 39+00 | 40+00

MATCH LINE STA 40+00
(SEE SHEET 130)

N

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

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ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (WEST OF 71ST)
PLAN AND PROFILE
STA. 35+00 TO STA. 40+00
(SHEET 11 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 129 OF 318	

PLOTTED: 12/12/2025 1:38 PM
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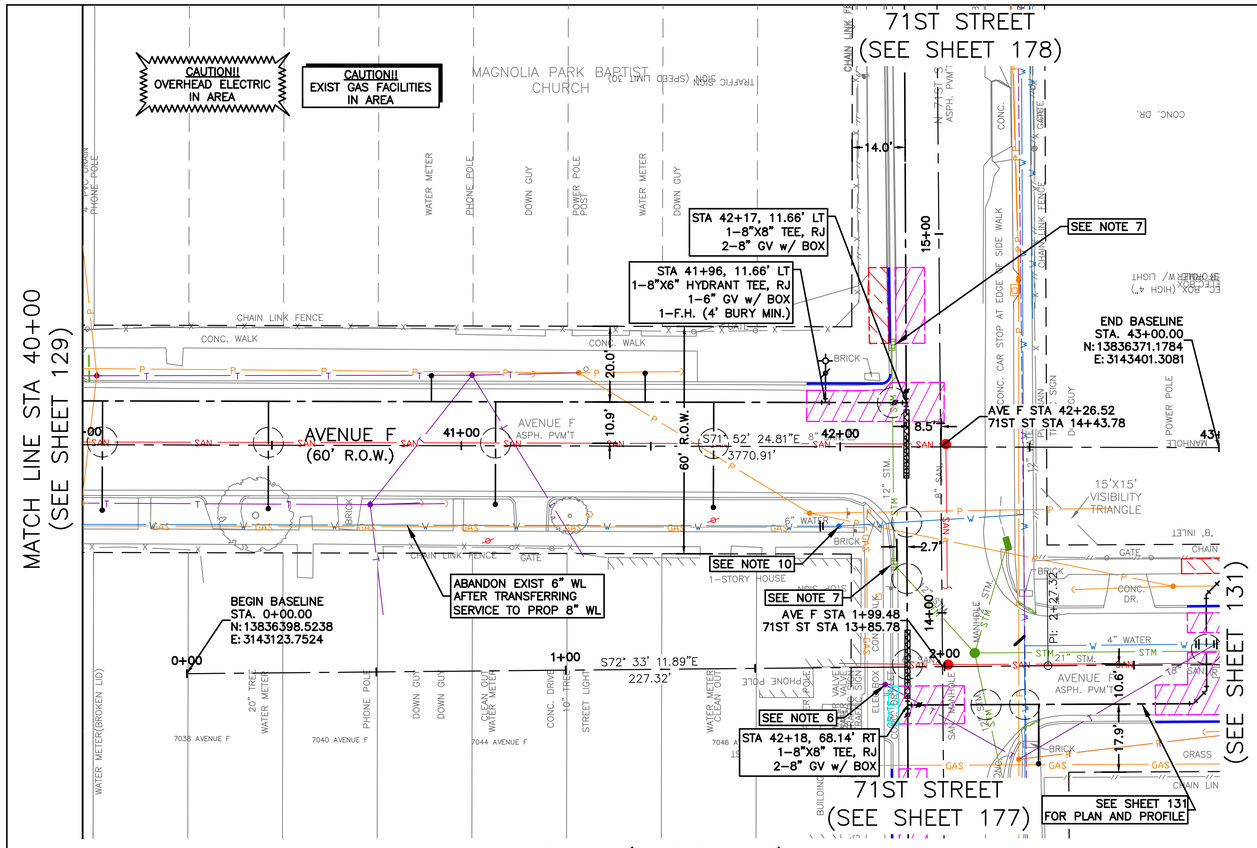

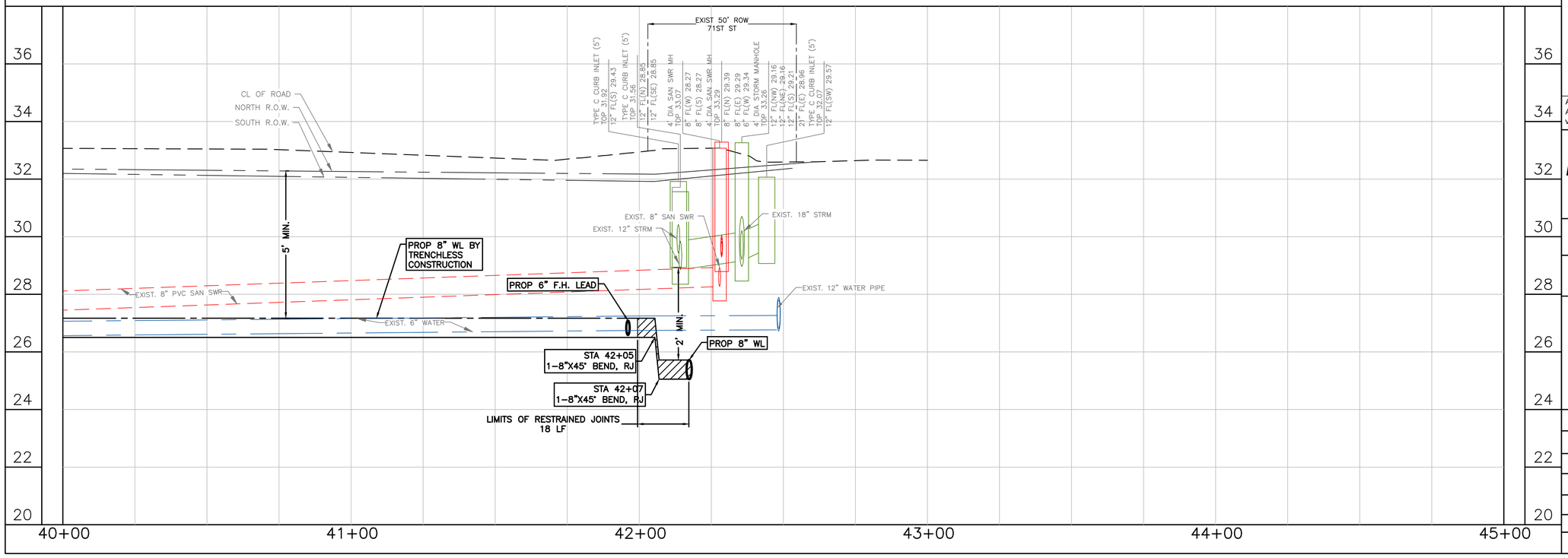

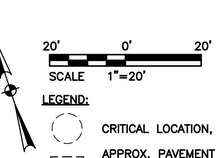

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVED VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

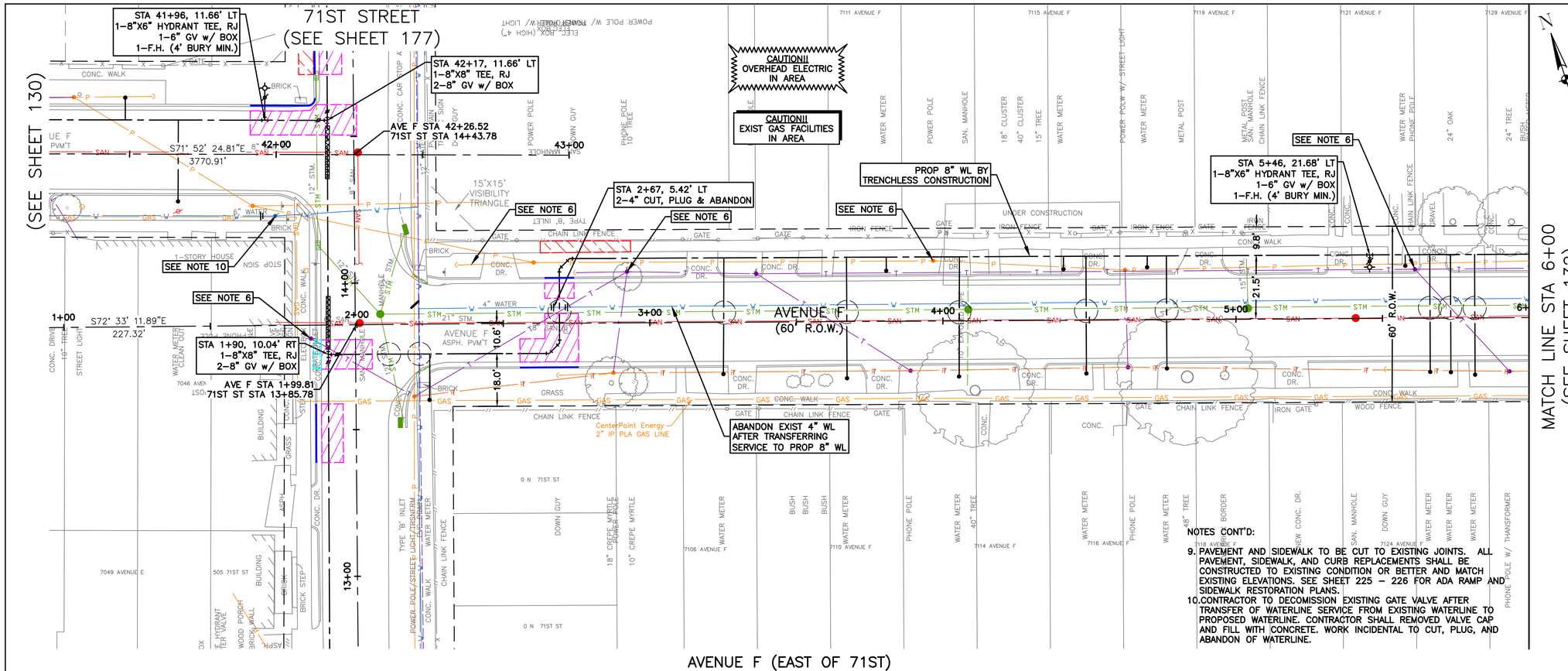
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

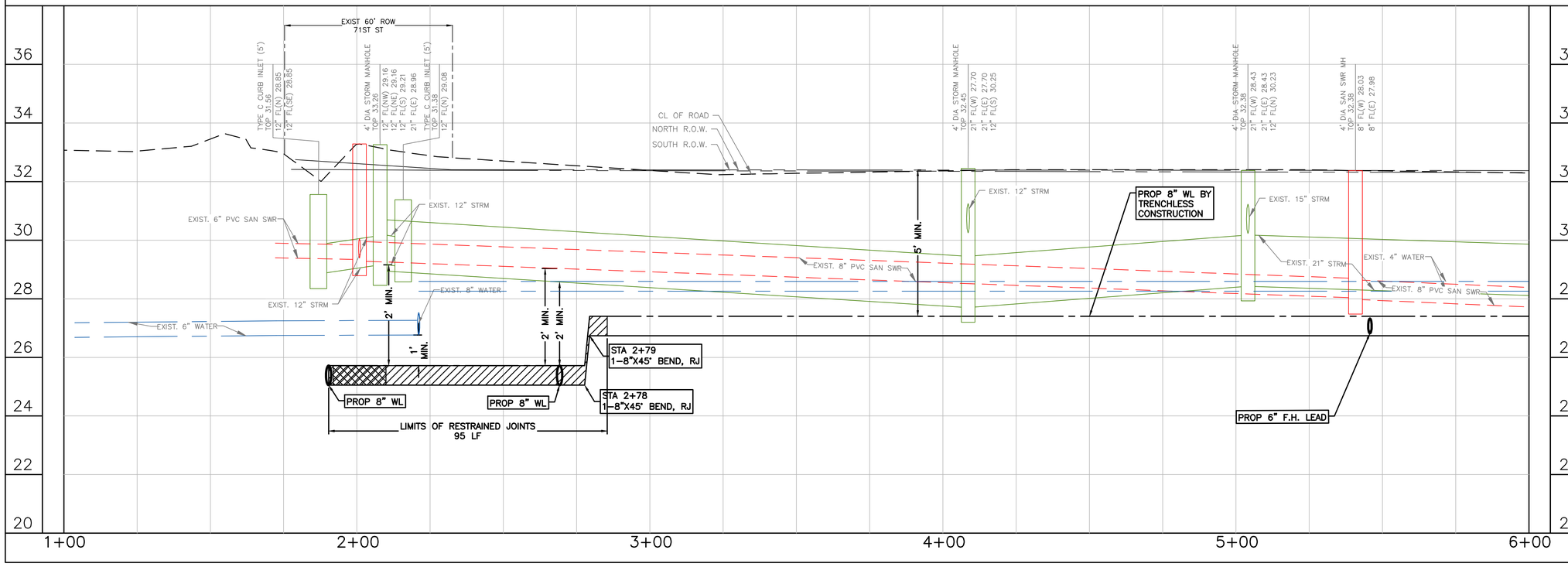
AVENUE F (WEST OF 71ST)
PLAN AND PROFILE
STA. 40+00 TO STA. 43+00
(SHEET 12 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 130 OF 318	

PLOTTED: 12/12/2025 1:24 PM



AVENUE F (EAST OF 71ST)



MATCH LINE STA 6+00
(SEE SHEET 132)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
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NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

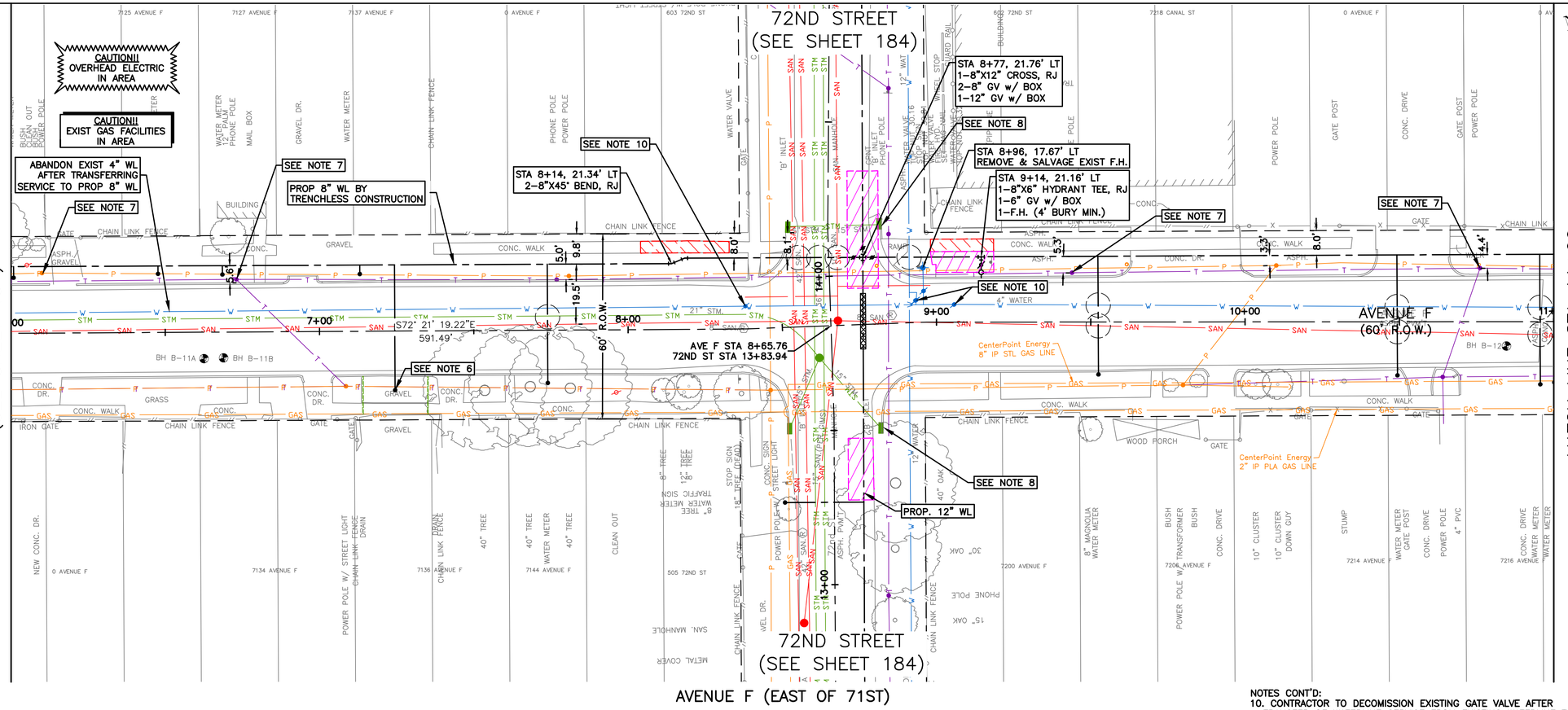
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST)
PLAN AND PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 13 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 131 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – AVENUE F–3.dwg



SEE SHEET 133
FOR PROFILE VIEW

NOTES CONT'D:

10. CONTRACTOR TO DECOMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVED VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST)
PLAN VIEW
STA. 6+00 TO STA. 11+00
(SHEET 14 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 132 OF 318	

PLOTTED: 12/12/2025 1:25 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-3.dwg

PLOTTED: 12/12/2025 1:25 PM

SEE SHEET 132
FOR PLAN VIEW

EXIST 60' ROW
72ND ST

TYPE C CURB INLET (5')
TOP 31.94
15" FL(E) 27.94
15" FL(W) 27.94
4' DIA SAN STORM MANHOLE
TOP 32.94
21" FL(N) 27.24
15" FL(SE) 27.24
15" FL(SW) 27.24
36" FL(S) 22.74
36" FL(N) 22.74
4' DIA SAN SWR MH
TOP 32.94
15" FL(N) 15.85
8" FL(W) 15.85
15" FL(SW) 15.85
8" FL(E) 28.55
TYPE C CURB INLET (5')
TOP 31.61
15" FL(W) 28.35

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

EXIST. 4" WATER
EXIST. 21" STRM
EXIST. 8" PVC SAN SWR
EXIST. 12" WATER
EXIST. 15" STRM
EXIST. 36" STRM
EXIST. 8" PVC SAN SWR
EXIST. 15" SAN SWR
EXIST. 10" SAN SWR

5' MIN.
2' MIN.
1' MIN.

PROP 6" F.H. LEAD
PROP 8" WL BY TRENCHLESS CONSTRUCTION
PROP 12" WL

STA 8+25
1-8"X45° BEND, RJ

STA 8+31
1-8"X45° BEND, RJ

STA 9+00
1-8"X45° BEND, RJ

STA 9+07
1-8"X45° BEND, RJ

LIMITS OF
RESTRAINED JOINTS
92 LF

6+00 7+00 8+00 9+00 10+00 11+00

NO.	DATE	REVISION	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.
DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX (6) MONTHS
DATE:
AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

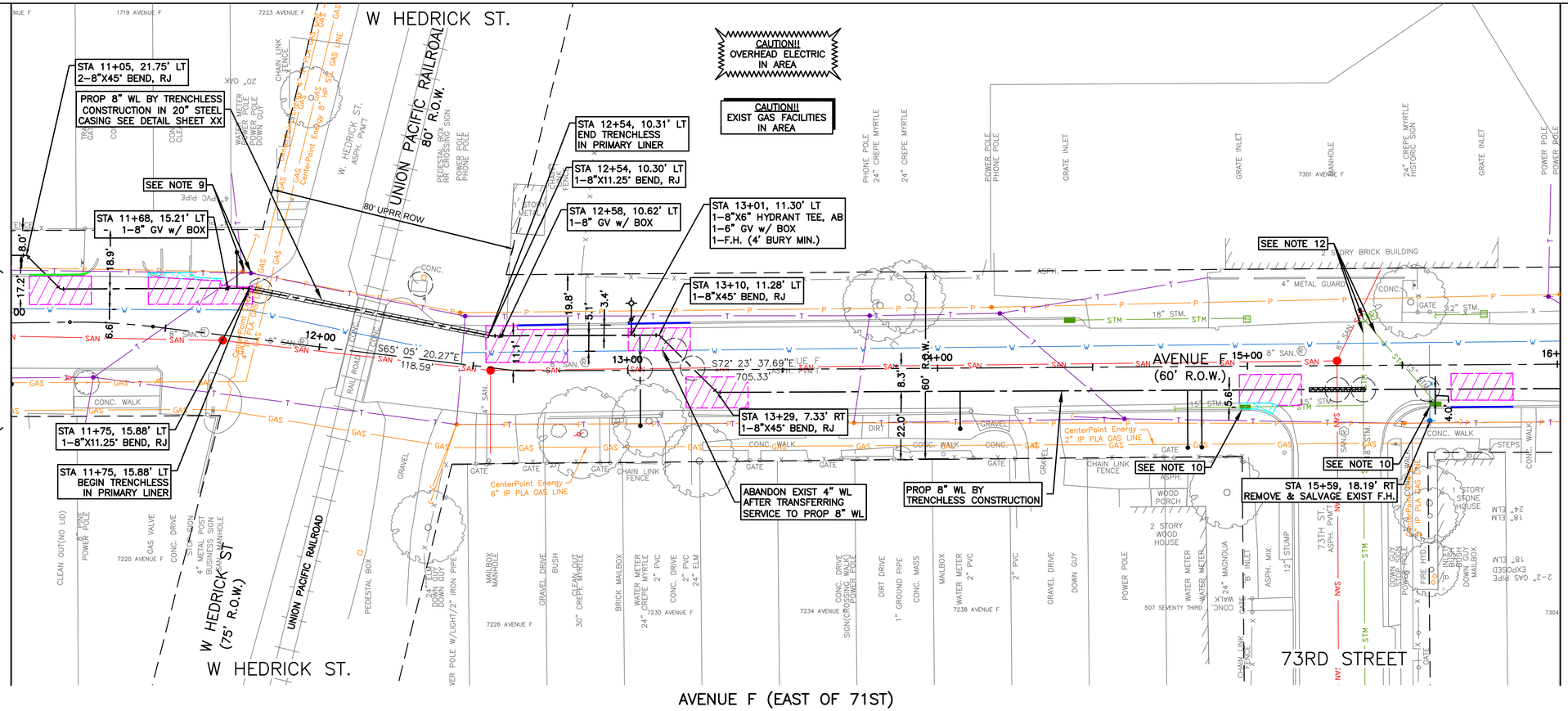
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST)
PROFILE VIEW
STA. 6+00 TO STA. 11+00
(SHEET 15 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 133 OF 318	

FILE PATH: J:\COHoustonPWE\20000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-3.dwg



SEE SHEET 135
FOR PROFILE VIEW

SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UNION PACIFIC RAILROAD (UPRR) AT 682–223–5271 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT–OF–WAY.
10. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OF CRITICAL STRUCTURES ADJACENT TO THE WATER LINE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SETTLEMENT MITIGATION, AS NECESSARY. SETTLEMENT MONITORING AND MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION. SEE SPEC SECTION 02425.
11. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AROUND UPRR FACILITIES AND RIGHT–OF–WAY.
12. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATIONS, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

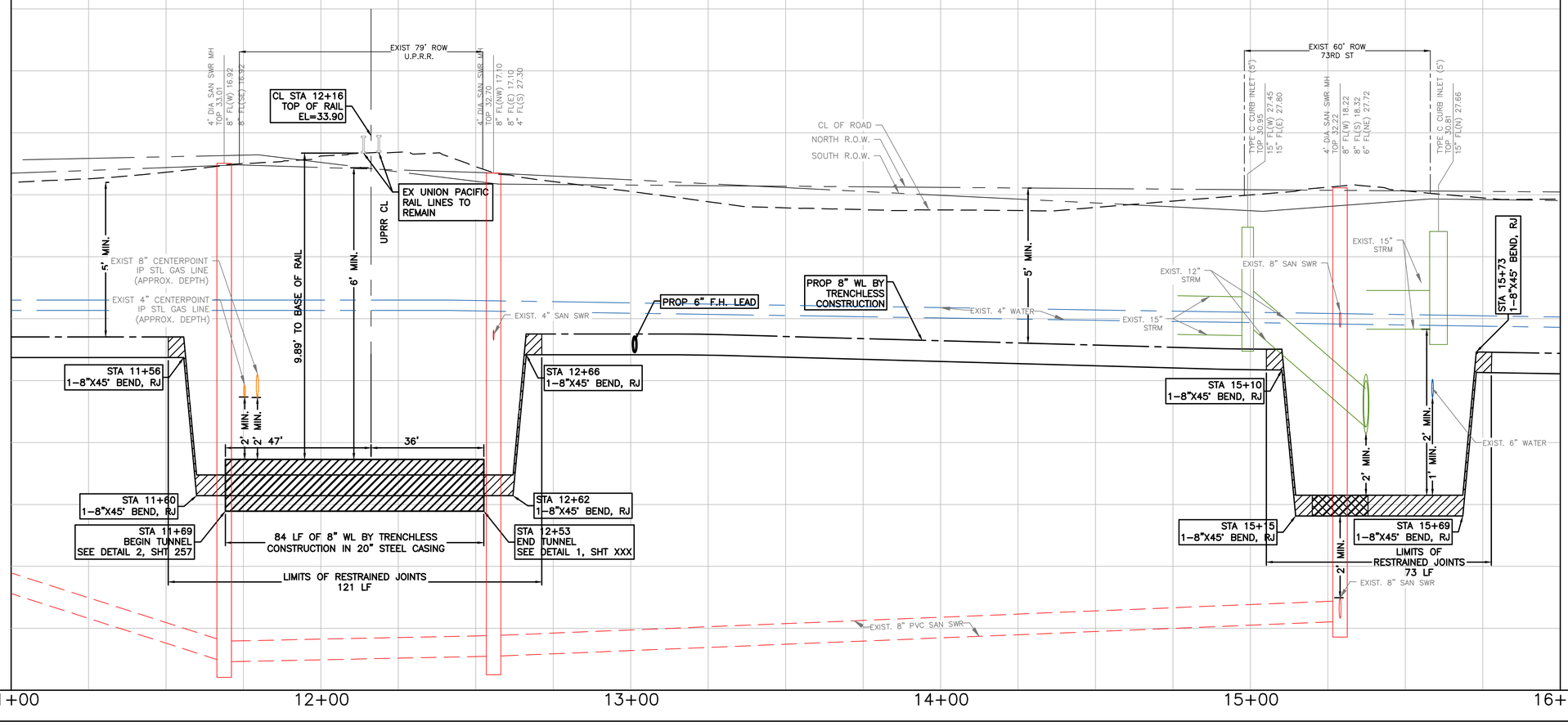
AVENUE F (EAST OF 71ST)
PLAN VIEW
STA. 11+00 TO STA. 16+00
(SHEET 16 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 134 OF 318	

PLOTTED: 12/12/2025 1:26 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-3.dwg

PLOTTED: 12/12/2025 1:26 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-3.dwg

SEE SHEET 134
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST)
PROFILE VIEW
STA. 11+00 TO STA. 16+00
(SHEET 17 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 135 OF 318	

PLOTTED: 12/12/2025 1:27 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-4.dwg

COMMUNITY FAMILY CENTERS
CHILDREN'S CAMPUS
FILM CODE 611265

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

MATCH LINE STA 16+00 (SEE SHEET 134)

ABANDON EXIST 4" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 17+35, 8.13' RT 1-8" GV w/ BOX

STA 17+54, 8.17' RT 1-8"X6" HYDRANT TEE, RJ 1-6" GV w/ BOX 1-F.H. (4' BURY MIN.)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

S72° 23' 37.69"E 705.33'

7323 AVENUE F | 7325 AVENUE F | 7327 AVENUE F | 7333 AVENUE F | 7335 AVENUE F | 7339 AVENUE F | 7341 AVENUE F

AVENUE F (60' R.O.W.)

MATCH LINE STA 21+00 (SEE SHEET 137)

AVENUE F (EAST OF 71ST)

CL OF ROAD
NORTH R.O.W.
SOUTH R.O.W.

4' DIA. SAN SWR MH TOP 31.50 8" F.L.(E) 28.57

EXIST. 4" WATER

PROP 6" F.H. LEAD

PROP 8" WL BY TRENCHLESS CONSTRUCTION

5' MIN.

EXIST. 8" PVC SAN SWR

16+00 | 17+00 | 18+00 | 19+00 | 20+00 | 21+00

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST)
PLAN AND PROFILE
STA. 16+00 TO STA. 21+00
(SHEET 18 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 136 OF 318	

PLOTTED: 12/12/2025 1:28 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-4.dwg

MATCH LINE STA 21+00 (SEE SHEET 136)

MATCH LINE STA 26+00 (SEE SHEET 138)

74TH STREET

AVENUE F (60' R.O.W.)

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

STA 22+19, 18.94' LT
REMOVE & SALVAGE EXIST F.H.

ABANDON EXIST 4" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

S72° 50' 19.42"E
99.01'

60' R.O.W.

STA 21+50, 9.03' RT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

SEE NOTE 10

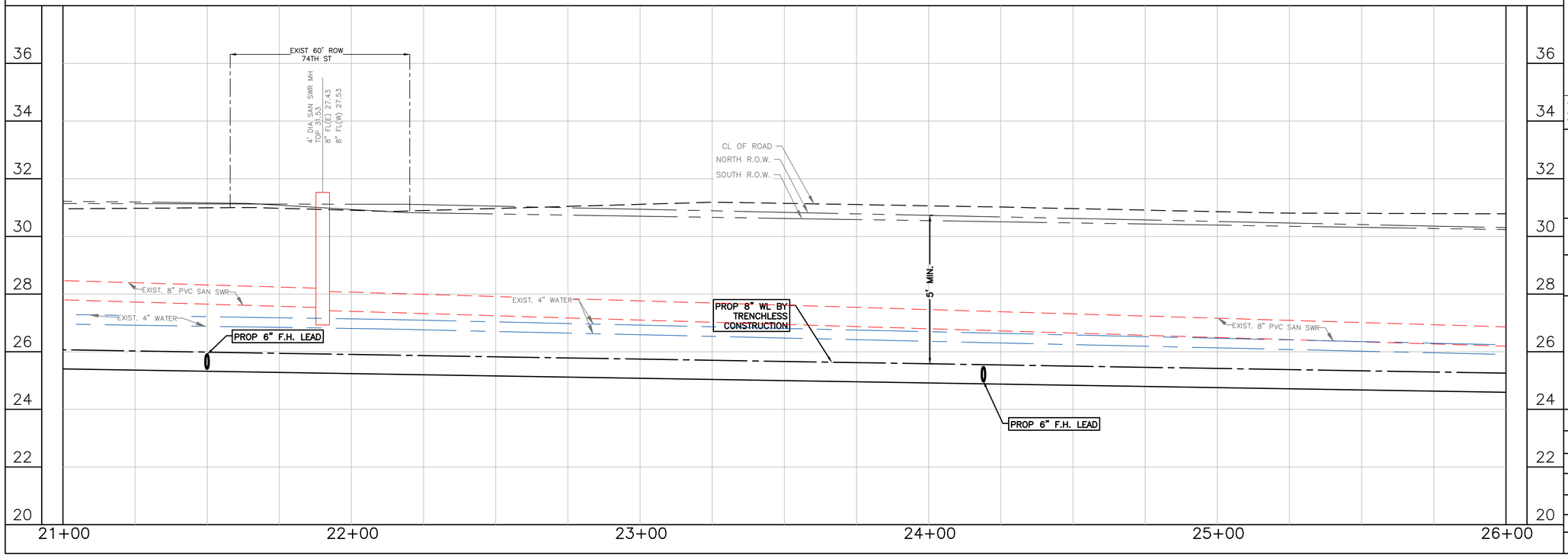
STA 22+42, 8.00' RT
1-8" GV w/ BOX

STA 24+19, 9.11' RT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

SEE NOTE 6

PROP 8" WL BY TRENCHLESS CONSTRUCTION

AVENUE F (EAST OF 71ST)



SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST) PLAN AND PROFILE STA. 21+00 TO STA. 26+00 (SHEET 19 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 137 OF 318	

PLOTTED: 12/12/2025 1:29 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - AVENUE F-4.dwg

MATCH LINE STA 26+00
(SEE SHEET 137)

AVENUE F (EAST OF 71ST)

75TH STREET

CAUTION!! OVERHEAD ELECTRIC IN AREA

CAUTION!! EXIST GAS FACILITIES IN AREA

STA 28+27, 12.51' LT
2-4" CUT, PLUG, ABANDON

ABANDON EXIST 4" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 28+33, 12.60' LT
1-4" WET CONNECTION

END PROJECT
STA. 29+74.99
N: 13835484.0343
E: 3145953.5561

SEE NOTE 9

PROP 8" WL BY TRENCHLESS CONSTRUCTION

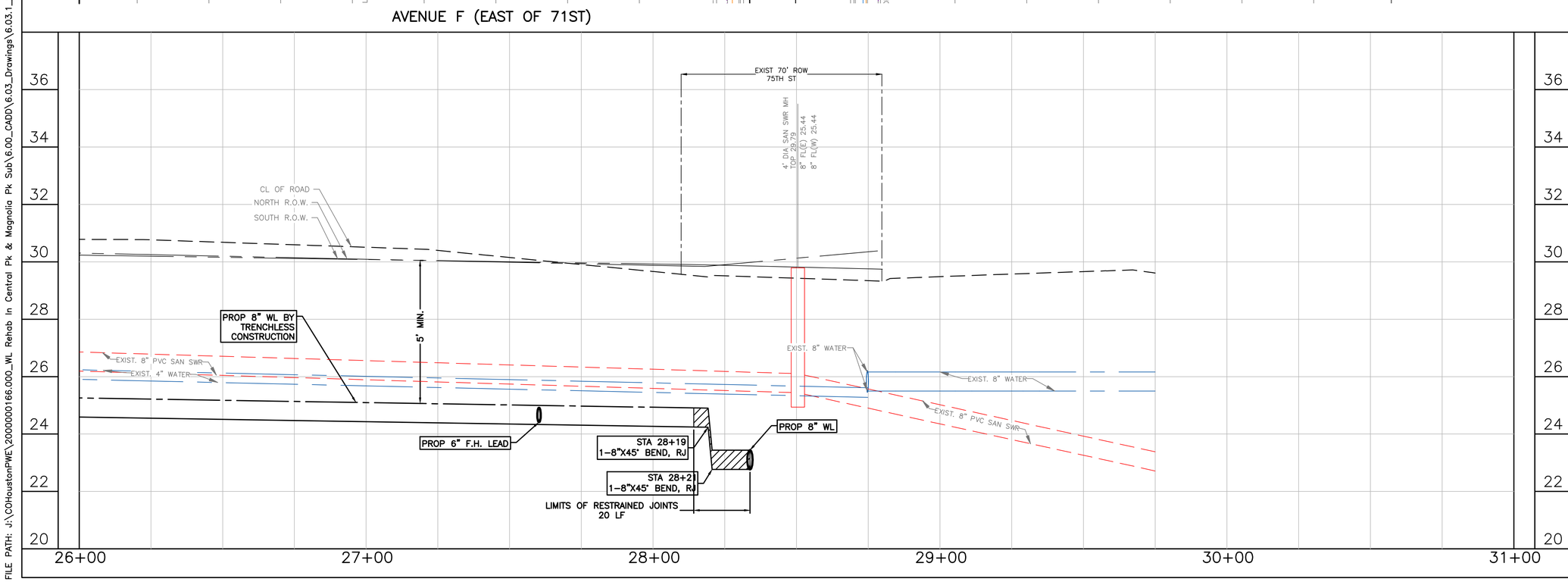
STA 27+60, 9.42' RT
1-8"X6" HYDRANT TEE, RJ
1-6" GV w/ BOX
1-F.H. (4' BURY MIN.)

STA 28+34, 8.81' RT
1-8"X8" TEE, RJ
2-8" GV w/ BOX

SEE NOTE 6

STA 28+85, 16.59' RT
REMOVE & SALVAGE EXIST F.H.

AVENUE F
(60' R.O.W.)



20' 0' 20'
SCALE 1"=20'

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
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- EASEMENTS

NOTES:

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

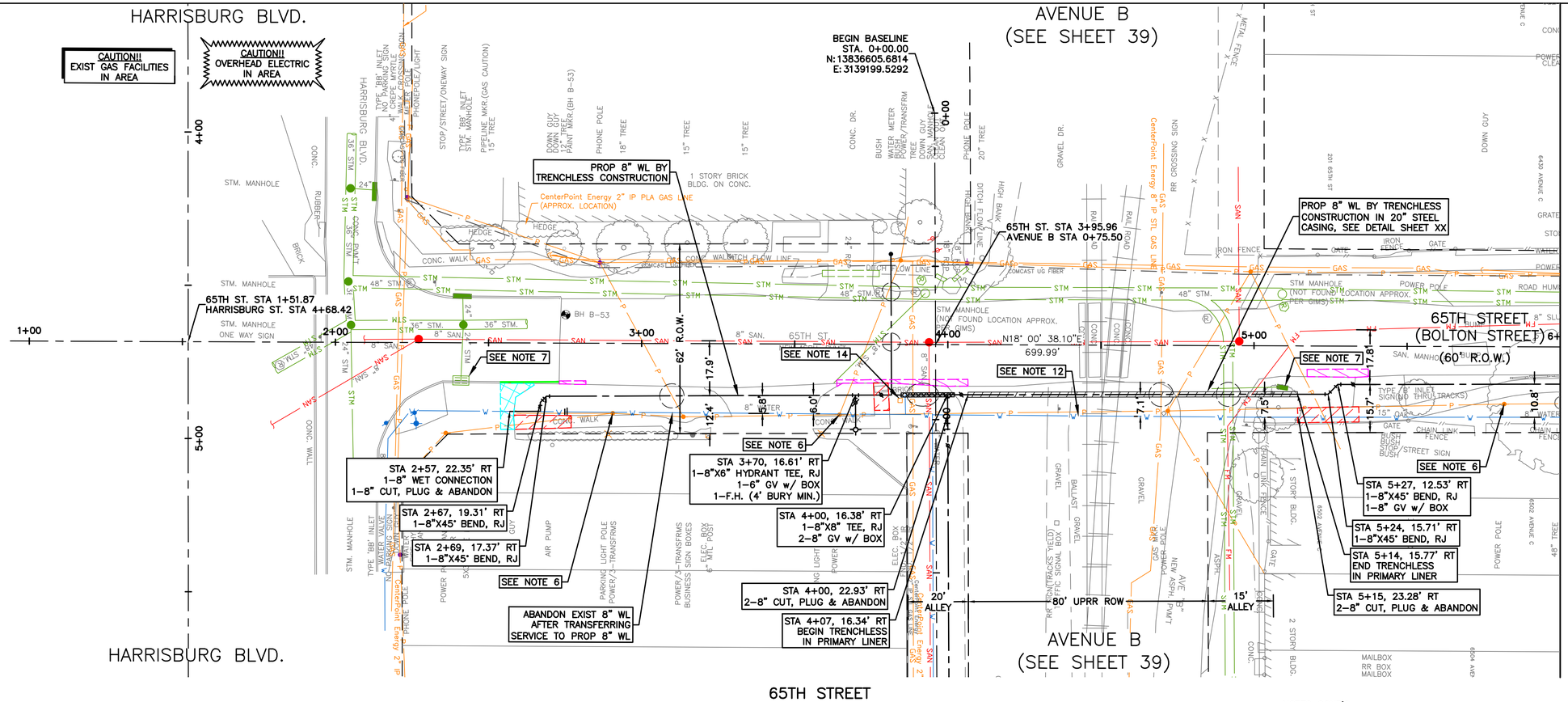
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

AVENUE F (EAST OF 71ST)
PLAN AND PROFILE
STA. 26+00 TO STA. 29+00
(SHEET 20 OF 20)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 138 OF 318	



SEE SHEET 140
FOR PROFILE VIEW

MATCH LINE STA 6+00
(SEE SHEET 141)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE PRIOR TO MAKING CONNECTION. CONTRACTOR TO COORDINATE SHUT DOWN OF EXISTING 8" WL WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXISTING 8" WL.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR SHALL CONTACT UPRR AT LEAST 10 DAYS PRIOR TO WATER LINE ADJACENT AND WITHIN UPRR ROW CONSTRUCTION.
11. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OVER THE WATER LINE AND ADJACENT CRITICAL STRUCTURES FOR WORK WITHIN UPRR ROW. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING. SETTLEMENT MONITORING AND SETTLEMENT MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION PER SPEC 02425.
12. EXIST. 8" WL TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS WITHIN UPRR ROW.
13. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.
14. EXISTING ELECTRICAL BOX TO BE RELOCATED BY OTHERS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

65TH STREET
PLAN VIEW
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 139 OF 318	

PLOTTED: 12/12/2025 1:30 PM
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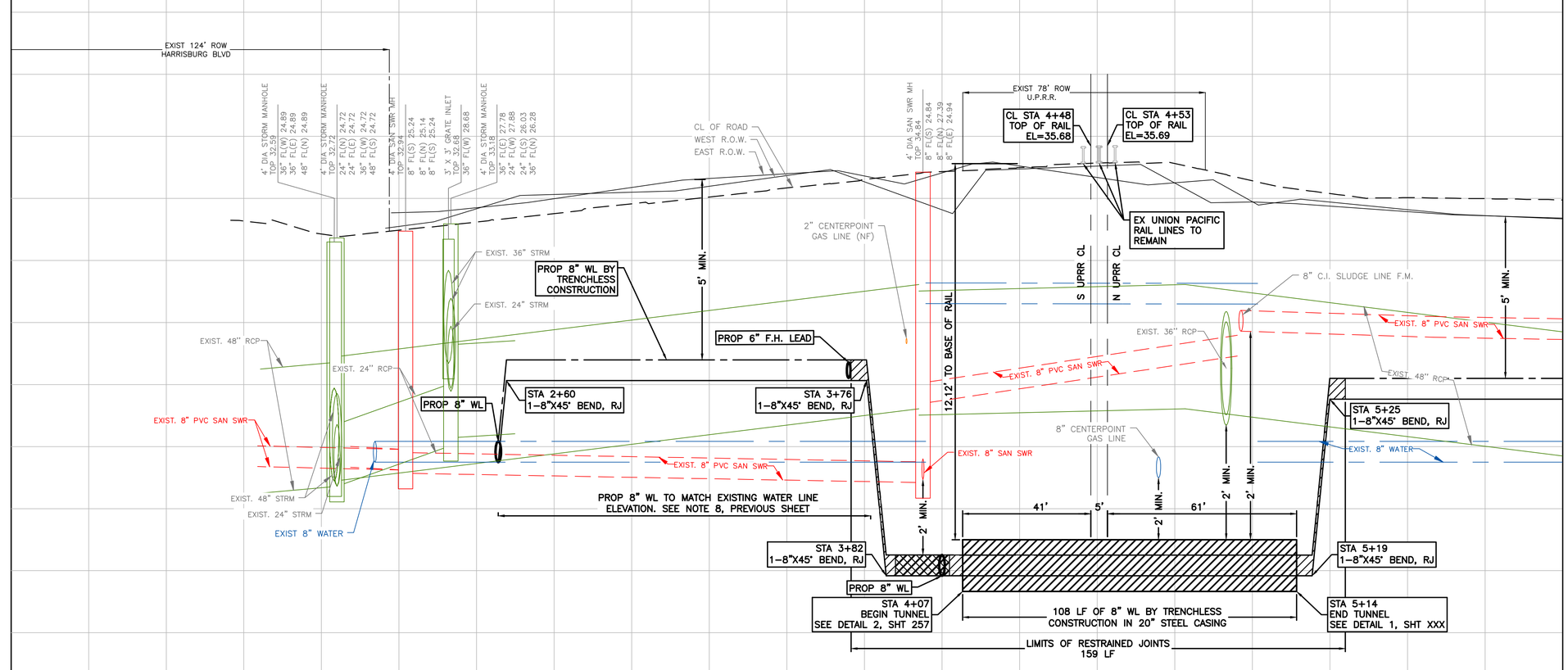
PLOTTED: 12/12/2025 1:31 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 65TH.dwg

SEE SHEET 139
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

65TH STREET
PROFILE VIEW
STA. 1+00 TO STA. 6+00
(SHEET 2 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
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HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 140 OF 318	

PLOTTED: 12/12/2025 1:31 PM

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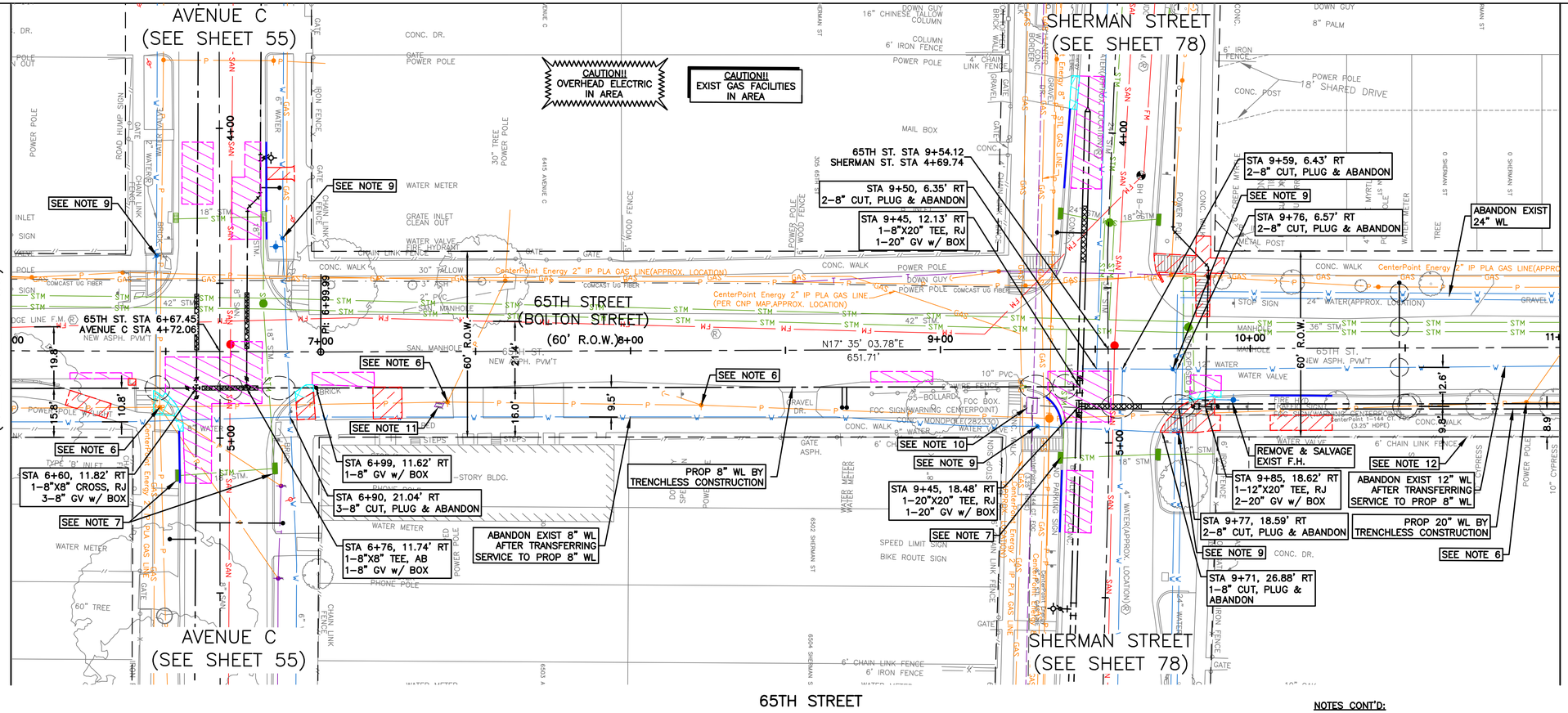

20' 0' 20'
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LEGEND:

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- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
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NO.	DATE	REVISION	APP.

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NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
10. EXISTING FOC BOX TO BE RELOCATED BY OTHERS.
11. EXISTING PHONE PEDESTAL TO BE PROTECTED BY OTHERS.
12. CONTRACTOR TO PROTECT EXISTING CHAIN LINK FENCE. CONTRACTOR TO REMOVE AND REPLACE EXISTING CHAIN LINK FENCE IN–KIND IF DAMAGED AT CONTRACTOR'S EXPENSE.
13. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

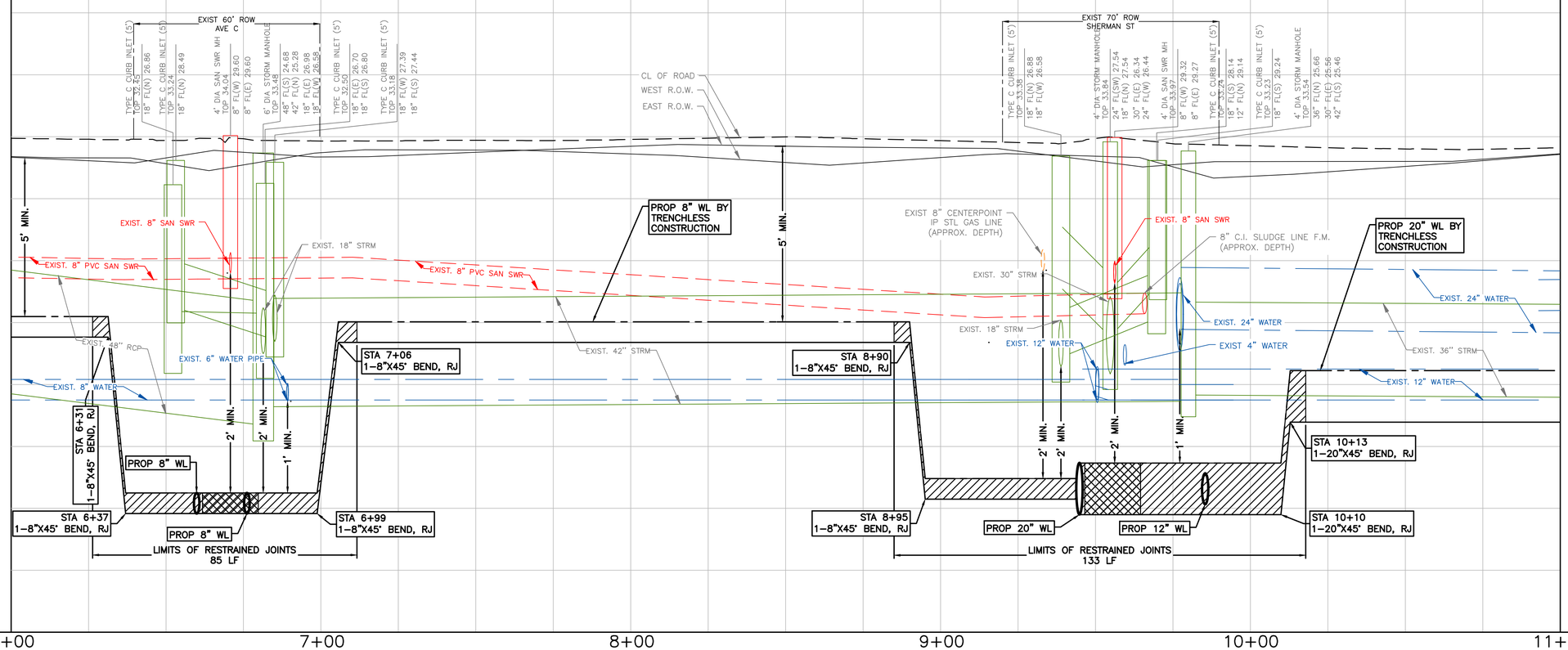
65TH STREET
PLAN VIEW
STA. 6+00 TO STA. 11+00
(SHEET 3 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 141 OF 318	

PLOTTED: 12/12/2025 1:31 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 65TH.dwg

SEE SHEET 141
FOR PLAN VIEW



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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

65TH STREET
PROFILE VIEW
STA. 6+00 TO STA. 11+00
(SHEET 4 OF 6)

WBS NUMBER	S-000035-0267-3
DRAWING SCALE	
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 142 OF 318	

FOR CITY OF HOUSTON USE ONLY

PLOTTED: 12/12/2025 1:32 PM
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MATCH LINE STA 11+00 (SEE SHEET 141)

MATCH LINE STA 16+00 (SEE SHEET 144)

BRADY STREET (SEE SHEET 118)

AVENUE F (SEE SHEET 119)

AVENUE E (SEE SHEET 103)

AVENUE F (SEE SHEET 119)

65TH STREET (BOLTON STREET) (60' R.O.W.)

65TH STREET

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

ABANDON EXIST 24" WL

PROP 20" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 9

SEE NOTE 7

65TH ST. STA 12+20.01
AVENUE E STA 2+30.36
12+00

N17° 35' 03.78"E
651.71'

65TH ST. STA 13+72.28
BRADY ST. STA 7+02.84

P.I. 13+51.70

65TH ST. STA 14+77.59
AVENUE E STA 2+28.70

STA 14+98, 23.31' LT
1–8" CUT, PLUG & ABANDON

ABANDON EXIST 6" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

SEE NOTE 10

ABANDON EXIST 12" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

REMOVE & SALVAGE EXIST F.H.

STA 12+30, 19.45' RT
1–20"X12" TEE, RJ

STA 12+52, 19.52' RT
1–20"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 13+74, 7.11' RT
1–8" CUT, PLUG & ABANDON

STA 14+69, 9.09' RT
1–8"X8" TEE, AB
1–8" GV w/ BOX

STA 14+21, 9.17' RT
1–8"X45° BEND, RJ

STA 14+11, 19.76' RT
1–8"X45° BEND, RJ

STA 13+97, 19.79' RT
1–20"X20" TEE, RJ
2–20" GV w/ BOX

PROP 8" WL BY TRENCHLESS CONSTRUCTION

REMOVE & SALVAGE EXIST F.H.

STA 15+01, 28.76' RT
1–8" CUT, PLUG & ABANDON

STA 12+39, 19.48' RT
1–20" GV w/ BOX

STA 12+31, 16.10' RT
1–12" CUT, PLUG & ABANDON

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
10. EXISTING CNP 3.25" HDPE TO BE RELOCATED BY OTHERS.
11. CONTRACTOR TO PROTECT EXISTING CHAIN LINK FENCE. CONTRACTOR TO REMOVE AND REPLACE EXISTING CHAIN LINK FENCE IN KIND IF DAMAGED AT CONTRACTOR'S EXPENSE.

EXIST 60' ROW AVE E

EXIST 60' ROW BRADY ST

EXIST 60' ROW AVE F

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

EXIST. 18" STRM
EXIST. 6" SAN SWR
EXIST. 12" WATER
EXIST. 24" WATER
EXIST. 36" STRM
EXIST. 6" PVC SAN SWR
EXIST. 8" SAN SWR
EXIST. 12" STRM
EXIST. 30" STRM
EXIST. 6" WATER

5' MIN.
2' MIN.
1' MIN.
APPROX. DEPTH 4'-5'

PROP 6" F.H. LEAD
PROP 12" WL
PROP 20" WL
PROP 8" WL

STA 14+34
1–8"X45° BEND, RJ

STA 14+36
1–8"X45° BEND, RJ

STA 15+15
1–8"X45° BEND, RJ

STA 15+10
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
114 LF

11+00 12+00 13+00 14+00 15+00 16+00

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
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- EASEMENTS

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NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

65TH STREET
PLAN AND PROFILE
STA. 11+00 TO STA. 16+00
(SHEET 5 OF 6)

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SHEET NO. 143 OF 318	

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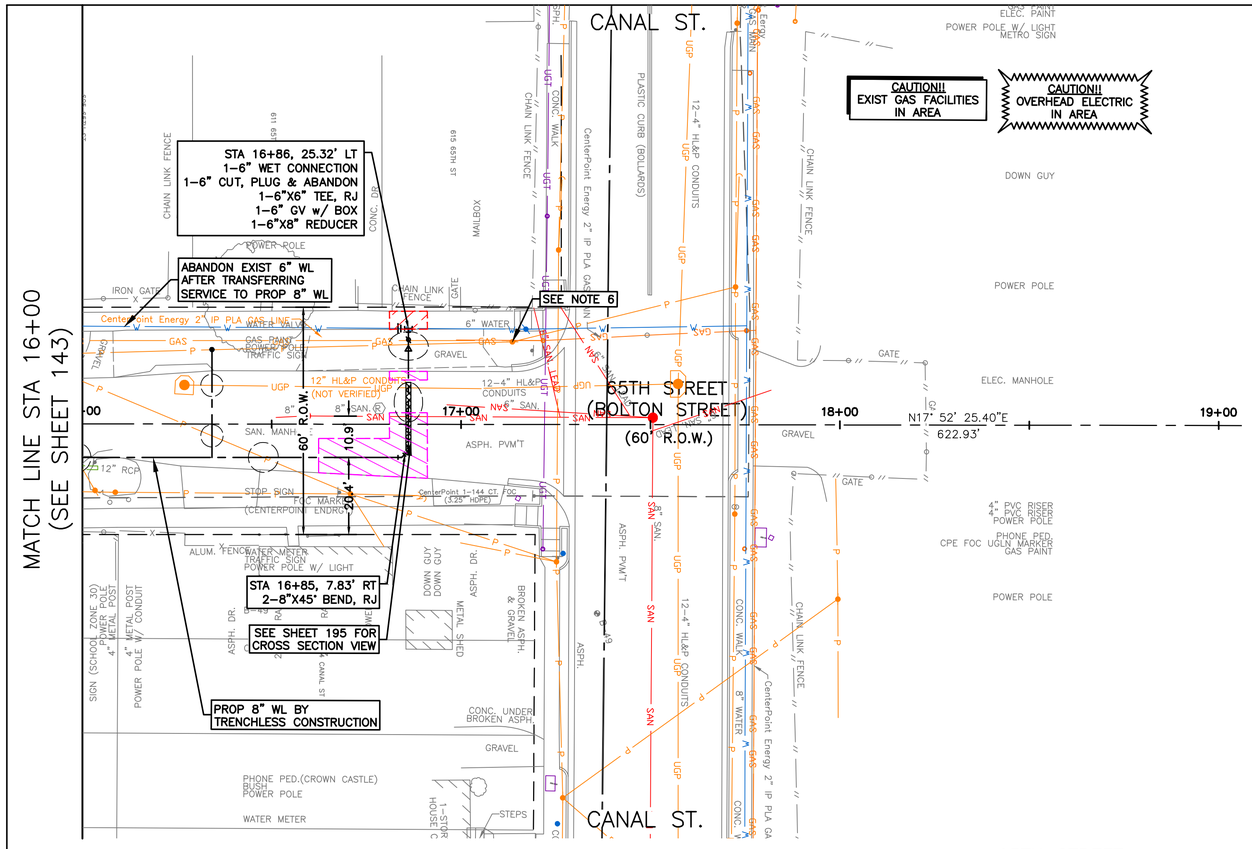

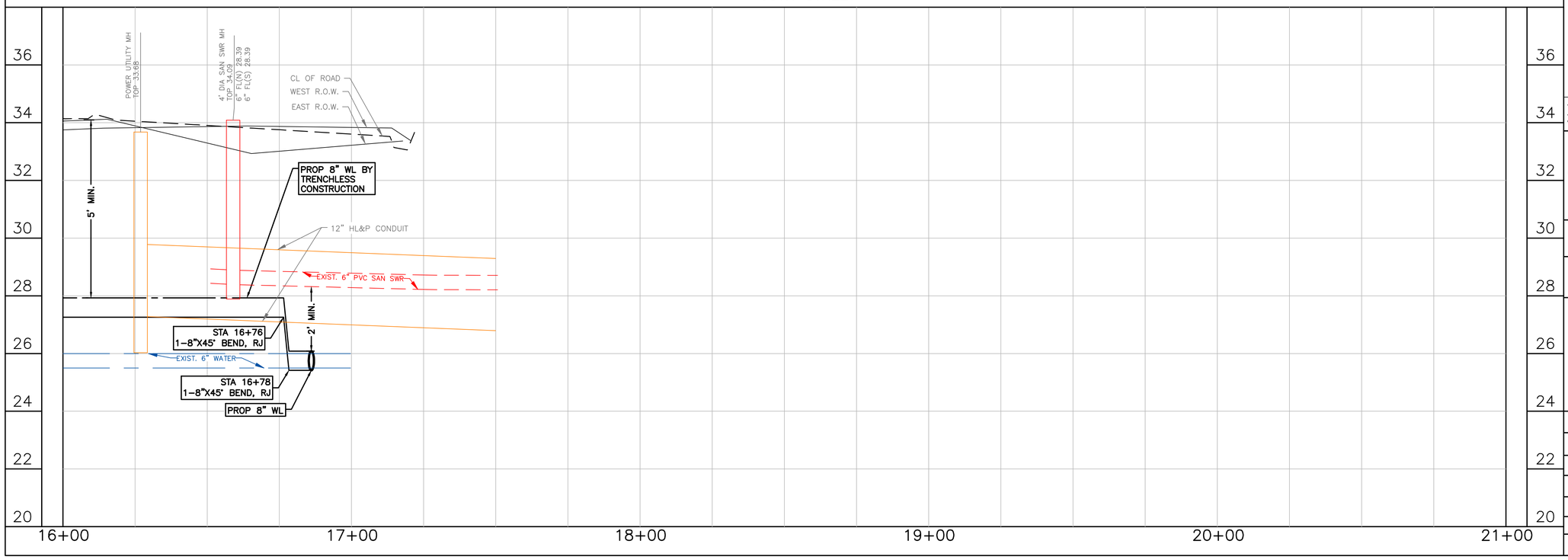

20' 0' 20'
SCALE 1"=20'

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 6" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO COORDINATE SHUTDOWN OF EXISTING 6" WL WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXISTING 6" WL.

NOTES CONT'D:

8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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AT&T
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DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

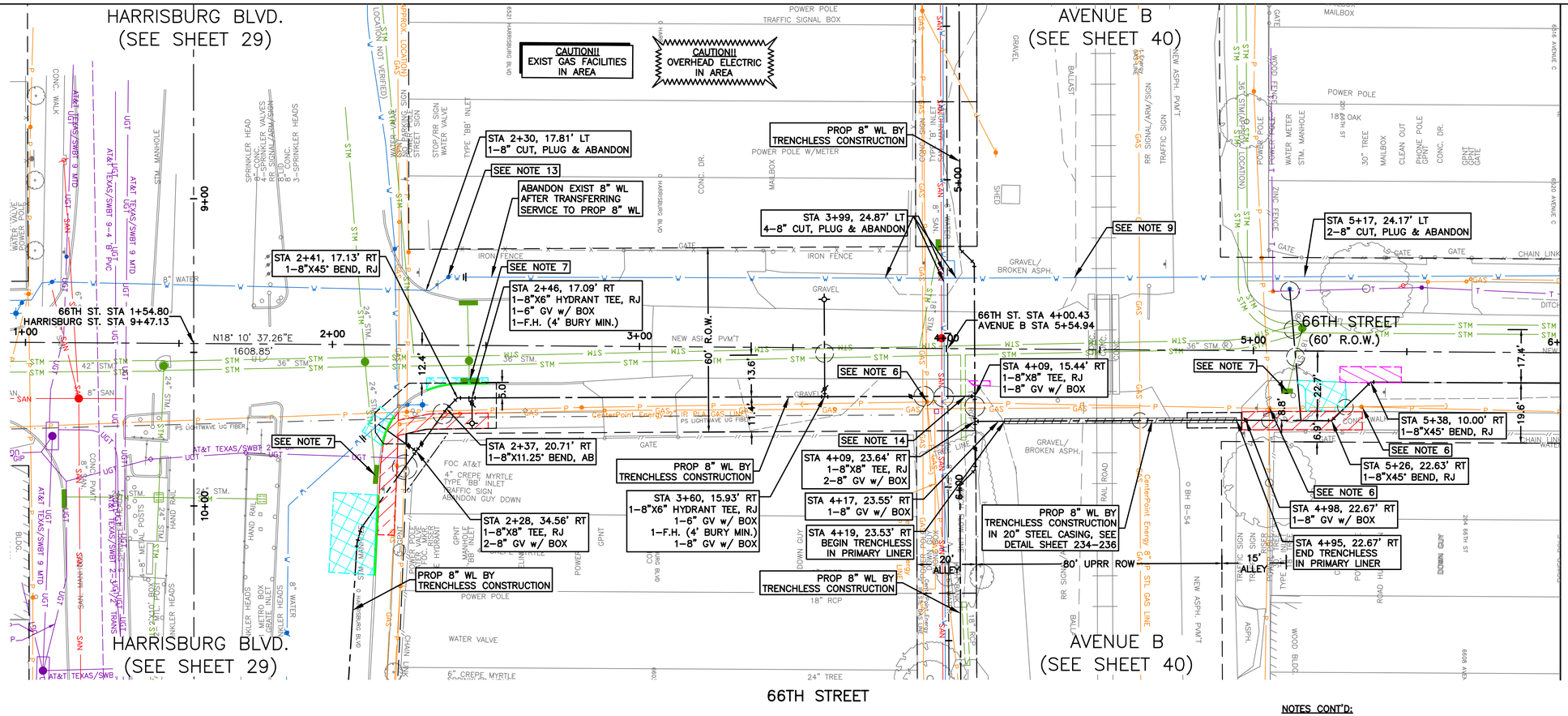
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

65TH STREET
PLAN AND PROFILE
STA. 16+00 TO STA. 19+00
(SHEET 6 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 144 OF 318	



SEE SHEET 146
FOR PROFILE VIEW

MATCH LINE STA 6+00
(SEE SHEET 147)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE PRIOR TO MAKING CONNECTION. CONTRACTOR TO COORDINATE SHUT DOWN OF EXISTING 8" WL WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXISTING 8" WL.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS.ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR SHALL CONTACT UPRR AT LEAST 10 DAYS PRIOR TO WATER LINE ADJACENT AND WITHIN UPRR ROW CONSTRUCTION.
11. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OVER THE WATER LINE AND ADJACENT CRITICAL STRUCTURES FOR WORK WITHIN UPRR ROW. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING. SETTLEMENT MONITORING AND SETTLEMENT MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION PER SPEC 02425.
12. EXIST. 8" WL TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS WITHIN UPRR ROW.
13. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.
14. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING 18" STORM PIPE DURING WATER LINE TEE FITTING CONNECTION. CONTRACTOR SHALL PROVIDE BY–PASS PUMPING TO MAINTAIN A DRY PIT AND POSITIVE DRAINAGE FOR THE AREA.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

66TH STREET
PLAN
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 145 OF 318	

PLOTTED: 12/12/2025 5:50 PM
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SEE SHEET 145
FOR PLAN VIEW

EXIST 124' ROW
HARRISBURG BLVD

TYPE C CURB INLET (5')
TOP 33.43
24" FL(W) 28.23

4' DIA SAN SWR MH
TOP 33.35
8" FL(S) 26.46
6" FL(W) 26.41
8" FL(N) 28.21
8" FL(E) 22.50

3' X 3' GRATE INLET
TOP 33.76
24" FL(W) 26.06
24" FL(N) 28.26
24" FL(S) 28.31
24" FL(E) 26.06

4' DIA STORM MANHOLE
TOP 33.64
42" FL(S) 25.94
36" FL(N) 25.94
24" FL(E) 25.94

3' X 3' GRATE INLET
TOP 34.05
24" FL(S) 28.45

4' DIA STORM MANHOLE
TOP 33.27
24" FL(E) 26.27
36" FL(S) 26.27
36" FL(N) 26.27
24" FL(W) 26.47

TYPE C CURB INLET (5')
TOP 33.65
24" FL(W) 27.05

TYPE C CURB INLET (5')
TOP 33.00
24" FL(E) 27.60

4' DIA STORM MANHOLE
TOP 32.67
36" FL(S) 26.57
24" FL(W) 27.02
24" FL(E) 27.02
36" FL(N) 26.57

TYPE C CURB INLET (5')
TOP 32.92
24" FL(W) 27.67

TYPE C CURB INLET (5')
TOP 33.51
18" FL(SE) 29.26

4' DIA SAN SWR MH
TOP 34.34
8" FL(W) 24.14
8" FL(E) 24.34

TYPE C CURB INLET (5')
TOP 32.23
18" FL(NW) 29.23

EXIST 81' ROW
U.P.R.R.

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

CL STA 4+52
TOP OF RAIL
EL=34.81

EX UNION PACIFIC
RAIL LINES TO
REMAIN

UPRR CL

6.24' TO BASE OF RAIL

EXIST. 24" RCP
EXIST. 42" RCP
EXIST. 8" WATER PIPE
EXIST. 36" RCP
EXIST. 24" STRM
EXIST. 8" PVC SAN SWR
EXIST. 6" SAN SWR
EXIST. 8" SAN SWR

PROP 8" WL
PROP 8" WL
PROP 8" WL BY
TRENCHLESS
CONSTRUCTION
PROP 6" F.H. LEAD
FOR RESTORED
EXIST HYDRANT

5' MIN.

STA 4+19
BEGIN TUNNEL
SEE DETAIL 2, SHT 257

EXIST. 6" WATER PIPE
EXIST. 18" RCP
PROP 6" F.H. LEAD
STA 3+72
1-8"X45° BEND, RJ

EXIST 8" CENTERPOINT
IP STL GAS LINE
(APPROX. DEPTH)
EXIST. 36" STRM
EXIST. 18" STRM
EXIST. 8"
SAN SWR

32'
2' MIN.
44'

77 LF OF 8" WL BY TRENCHLESS
CONSTRUCTION IN 20" STEEL CASING

STA 4+96
END TUNNEL
SEE DETAIL 1, SHT XXX

EXIST. 18" STRM
EXIST. 36" RCP
EXIST. 8" WATER PIPE
5' MIN.

STA 4+16
1-8"X45° BEND, RJ
PROP 8" WL
STA 3+79
1-8"X45° BEND, RJ
STA 4+10
1-8"X45° BEND, RJ
2' MIN.
2' MIN.

LIMITS OF RESTRAINED JOINTS
LIMITS OF RESTRAINED JOINTS
33 LF

1+00 2+00 3+00 4+00 5+00 6+00

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

66TH STREET
PROFILE
STA. 1+00 TO STA. 6+00
(SHEET 2 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
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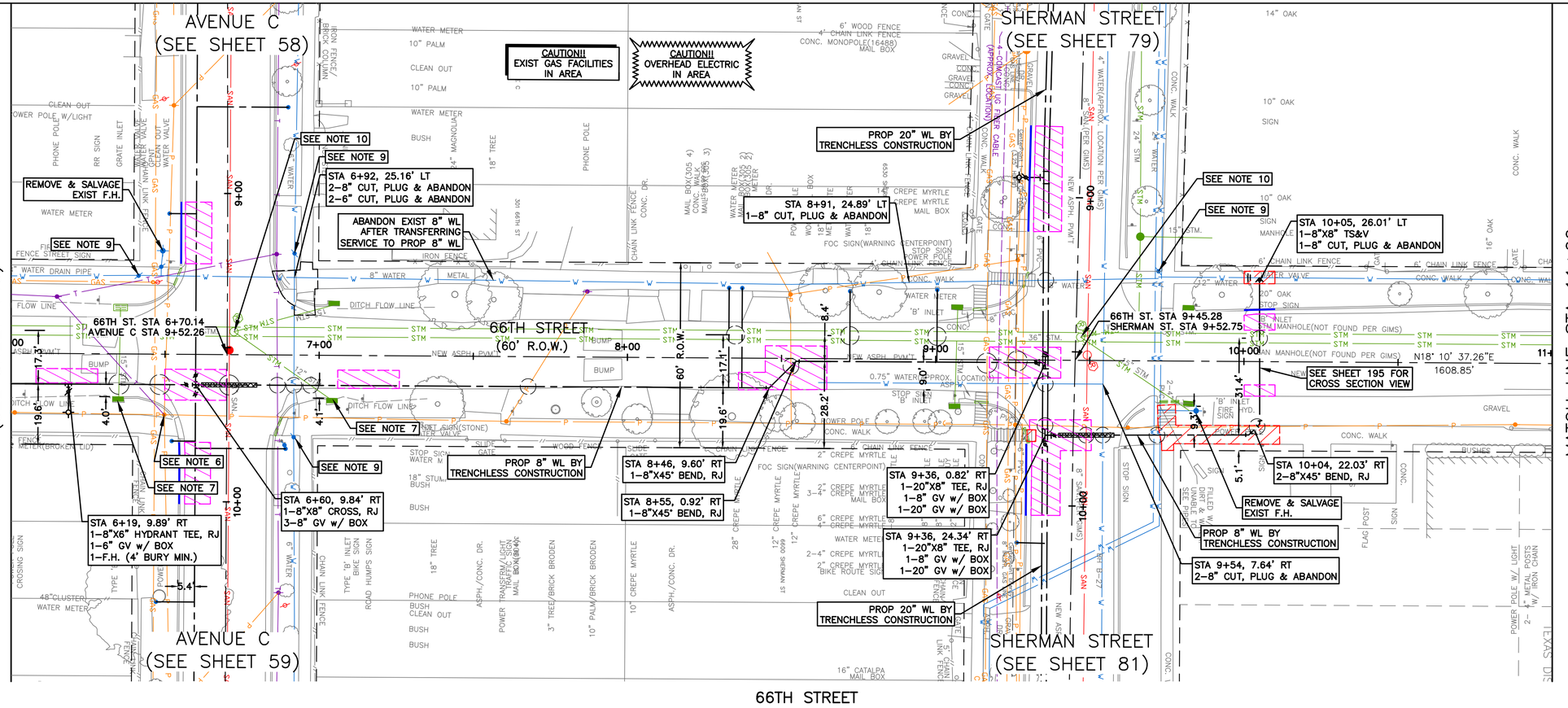
ROWAIDAH AYOUB, P.E.	
SHEET NO. 146 OF 318	



SEE SHEET 148
FOR PLAN VIEW

NOTES CONT'D:

9. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.
10. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

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SURVEYED BY:
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

66TH STREET
PLAN
STA. 6+00 TO STA. 11+00
(SHEET 3 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 147 OF 318	

PLOTTED: 12/12/2025 5:52 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – 66TH.dwg

PLOTTED: 12/12/2025 5:54 PM

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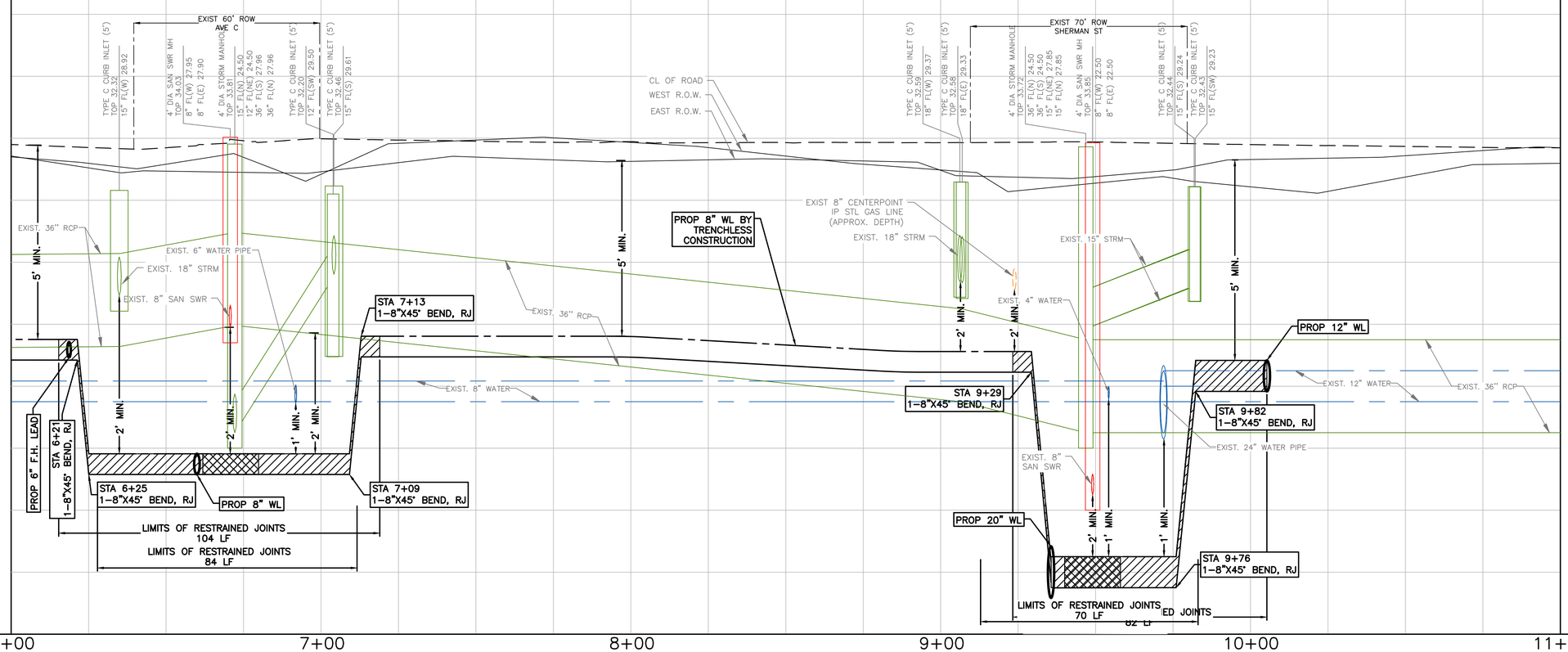
SEE SHEET 147
FOR PLAN VIEW



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SHEET NO. 148 OF 318	

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MATCH LINE STA 11+00 (SEE SHEET 148)

AVENUE E (SEE SHEET 103)

AVENUE E (SEE SHEET 104)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

STA 12+29.78, 26.33' LT
1–12"X12" TS&V

STA 12+33, 19.08' LT
1–8" CUT, PLUG & ABANDON

SEE NOTE 9

66TH ST. STA 12+20.08
AVENUE E STA 7+16.03

N18° 10' 37.26"E
NEW ASPH. 1608.85'

STA 12+38, 26.33' LT
1–12"X45° BEND, RJ

STA 12+43, 22.08' LT
1–12"X45° BEND, RJ

SEE NOTE 7

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

STA 12+43, 8.18' RT
1–8"X12" TEE, RJ
1–12" GV w/ BOX

STA 12+30, 31.13' RT
1–8" CUT, PLUG & ABANDON

STA 12+43, 37.08' RT
1–6"X12" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

PROP 12" WL BY TRENCHLESS CONSTRUCTION

PROP 8" WL BY TRENCHLESS CONSTRUCTION

66TH STREET

AVENUE F (SEE SHEET 120)

PROP 8" WL BY TRENCHLESS CONSTRUCTION

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

SEE NOTE 9

4–8" CUT, PLUG & ABANDON

SEE NOTE 10

66TH ST. STA 14+79.43
AVENUE F STA 7+89.65

SEE NOTE 7

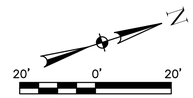
STA 14+69, 7.87' RT
1–8"X8" CROSS, RJ
3–8" GV w/ BOX

PROP 8" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 9

66TH STREET (60' R.O.W.)

MATCH LINE STA 16+00 (SEE SHEET 150)



LEGEND:

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- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CRossing
- EASEMENTS

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3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
10. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.
11. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

66TH STREET
PLAN AND PROFILE
STA. 11+00 TO STA. 16+00
(SHEET 5 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 149 OF 318	

66TH STREET

EXIST 60' ROW AVE E

EXIST 60' ROW AVE F

TYPE C CURB INLET (S') TOP 32.40 15" FL(W) 29.76
4' DIA STORM MANHOLE TOP 32.87 15" FL(E) 24.50
4' DIA STORM MANHOLE TOP 34.06 36" FL(N) 27.96 36" FL(S) 27.96
4' DIA SAN SWR MH TOP 34.15 8" FL(W) 28.05 8" FL(E) 28.05
TYPE C CURB INLET (S') TOP 32.87 18" FL(W) 29.86 18" FL(E) 29.76
TYPE C CURB INLET (S') TOP 32.36 15" FL(W) 29.77
3' X 3' GRATE INLET TOP 33.38 18" FL(E) 30.64 18" FL(W) 30.64
TYPE C CURB INLET (S') TOP 32.68 15" FL(W) 29.42
TYPE C CURB INLET (S') TOP 32.61 15" FL(E) 29.81
4' DIA STORM MANHOLE TOP 34.09 30" FL(W) 24.50 15" FL(N) 24.50 15" FL(NE) 24.50 36" FL(S) 28.20
4' DIA SAN SWR MH TOP 34.28 8" FL(W) 27.69 8" FL(E) 27.64
TYPE C CURB INLET (S') TOP 32.81 15" FL(SW) 29.66
TYPE C CURB INLET (S') TOP 32.85 15" FL(S) 29.85

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

EXIST. 18" STRM
EXIST. 18" STRM
EXIST. 8" SAN SWR
EXIST. 15" STRM
EXIST. 12" WATER
EXIST. 12" WATER
EXIST. 36" RCP
EXIST. 8" WATER
EXIST. 36" RCP
EXIST. 15" STRM
EXIST. 15" STRM
EXIST. 8" SAN SWR
EXIST. 30" STRM
EXIST. 6" WATER

5' MIN.
2' MIN.

PROP 8" WL BY TRENCHLESS CONSTRUCTION
STA 12+67 1–8"X45° BEND, RJ
PROP 12" WL BY OPEN–CUT
STA 12+65 1–8"X45° BEND, RJ
PROP 12" WL
STA 14+38 1–8"X45° BEND, RJ
STA 15+21 1–8"X45° BEND, RJ
PROP 8" WL BY TRENCHLESS CONSTRUCTION
STA 14+41 1–8"X45° BEND, RJ
PROP 8" WL
STA 15+18 1–8"X45° BEND, RJ
LIMITS OF RESTRAINED JOINTS 93 LF
LIMITS OF RESTRAINED JOINTS 85 LF

11+00 12+00 13+00 14+00 15+00 16+00

PLOTTED: 12/12/2025 5:56 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 66TH.dwg

MATCH LINE STA 16+00
(SEE SHEET 149)

CANAL ST.

66TH STREET
(60' R.O.W.)

STA 16+91, 26.89' LT
1–8"X8" TS&V
1–8" CUT, PLUG & ABANDON

SEE SHEET 196 FOR CROSS SECTION VIEW

SEE NOTE 7

SEE NOTE 7

STA 16+89, 5.41' RT
2–8"X45° BEND, RJ

N18° 27' 29.21"E
366.14'

17+00

18+00

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

66TH STREET

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

5' MIN.

EXIST. 36" RCP

2' MIN.

PROP 8" WL

STA 16+80
1–8"X45° BEND, RJ

STA 16+81
1–8"X45° BEND, RJ

EXIST. 8" WATER

EXIST 3 –4" PVC CNP CONDUITS

16+00 17+00 18+00 19+00 20+00 21+00

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

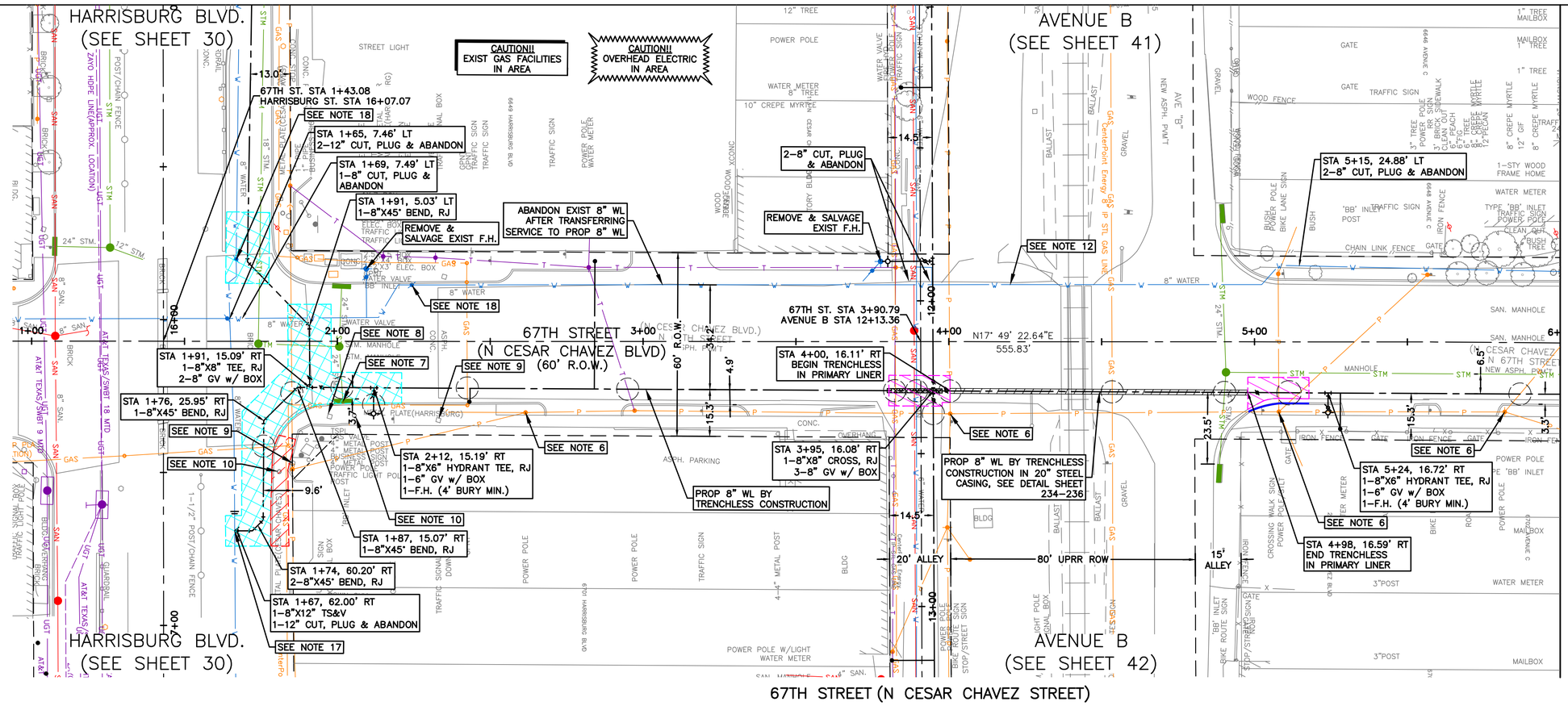
SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

66TH STREET
PLAN AND PROFILE
STA. 16+00 TO STA. 19+00
(SHEET 6 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 150 OF 318	



SEE SHEET 152
FOR PROFILE VIEW

MATCH LINE STA 6+00
(SEE SHEET 153)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NOT SEPARATE PAY.

NOTES CONT'D:

8. CONTRACTOR TO PROTECT TRAFFIC SIGNAL BOXES DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAY.
9. CONTRACTOR TO PROTECT PEDESTRIAN POLE AND FACILITIES DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAY.
10. CONTRACTOR TO REMOVE AND RESTORE EXISTING EAST END DISTRICT MONUMENT AND SIDEWALK STREET LABELS TO SAME OR BETTER CONDITION.
11. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
12. EXIST. 8" WL TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS.
13. CONTRACTOR SHALL CONTACT UPRR AT LEAST 10 DAYS PRIOR TO WATER LINE ADJACENT AND WITHIN UPRR ROW CONSTRUCTION.
14. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OVER THE WATER LINE AND ADJACENT CRITICAL STRUCTURES FOR WORK WITHIN UPRR ROW. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING. SETTLEMENT MONITORING AND SETTLEMENT MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION PER SPEC 02425.
15. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION OF WATER LINE WITHIN UPRR ROW.
16. EXISTING ELECTRICAL BOX TO BE RELOCATED BY OTHERS.
17. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 12" WL PRIOR TO MAKING TS&V CONNECTION. CONTRACTOR TO COORDINATE THE SHUTDOWN OF EXISTING WATER LINE WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXIST. 12" WL.
18. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATER LINE.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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AT&T
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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

67TH STREET
PLAN VIEW
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 151 OF 318	

PLOTTED: 12/12/2025 1:42 PM

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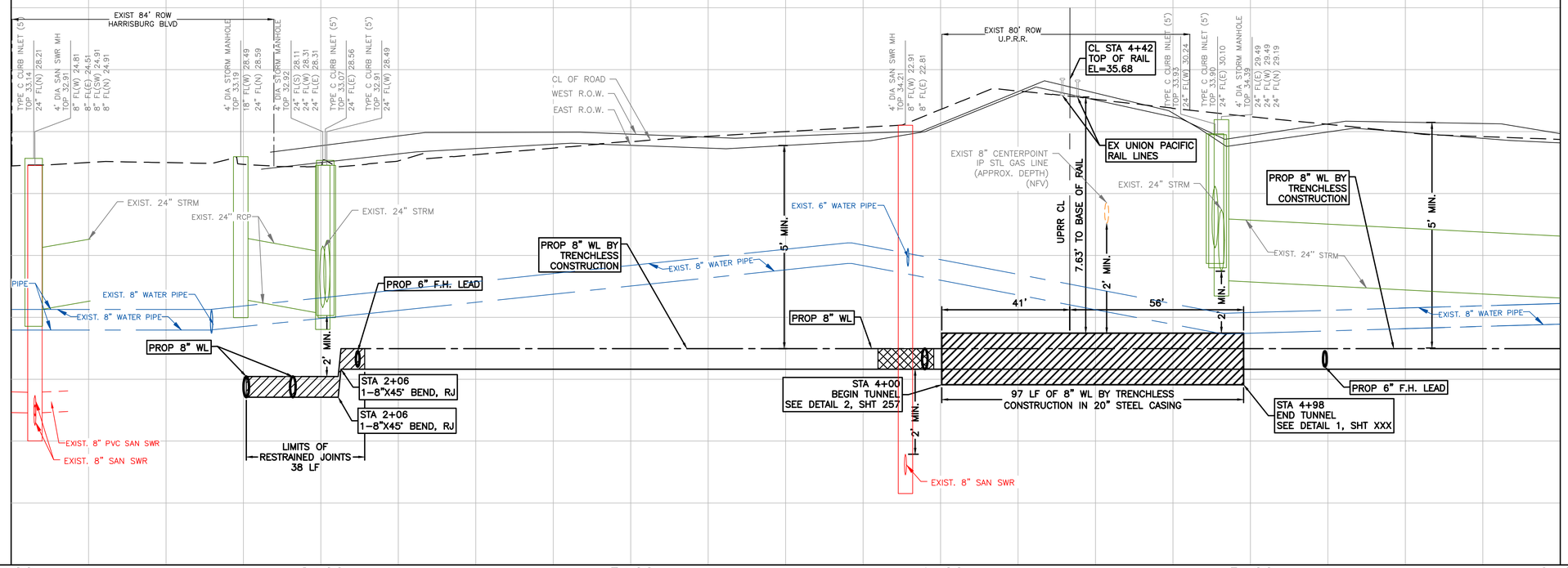
PLOTTED: 12/12/2025 1:43 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 67TH.dwg

NO.	DATE	REVISION	APP.

SEE SHEET 151
FOR PLAN VIEW



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VERIFICATION OF PRIVATE UTILITY LINES

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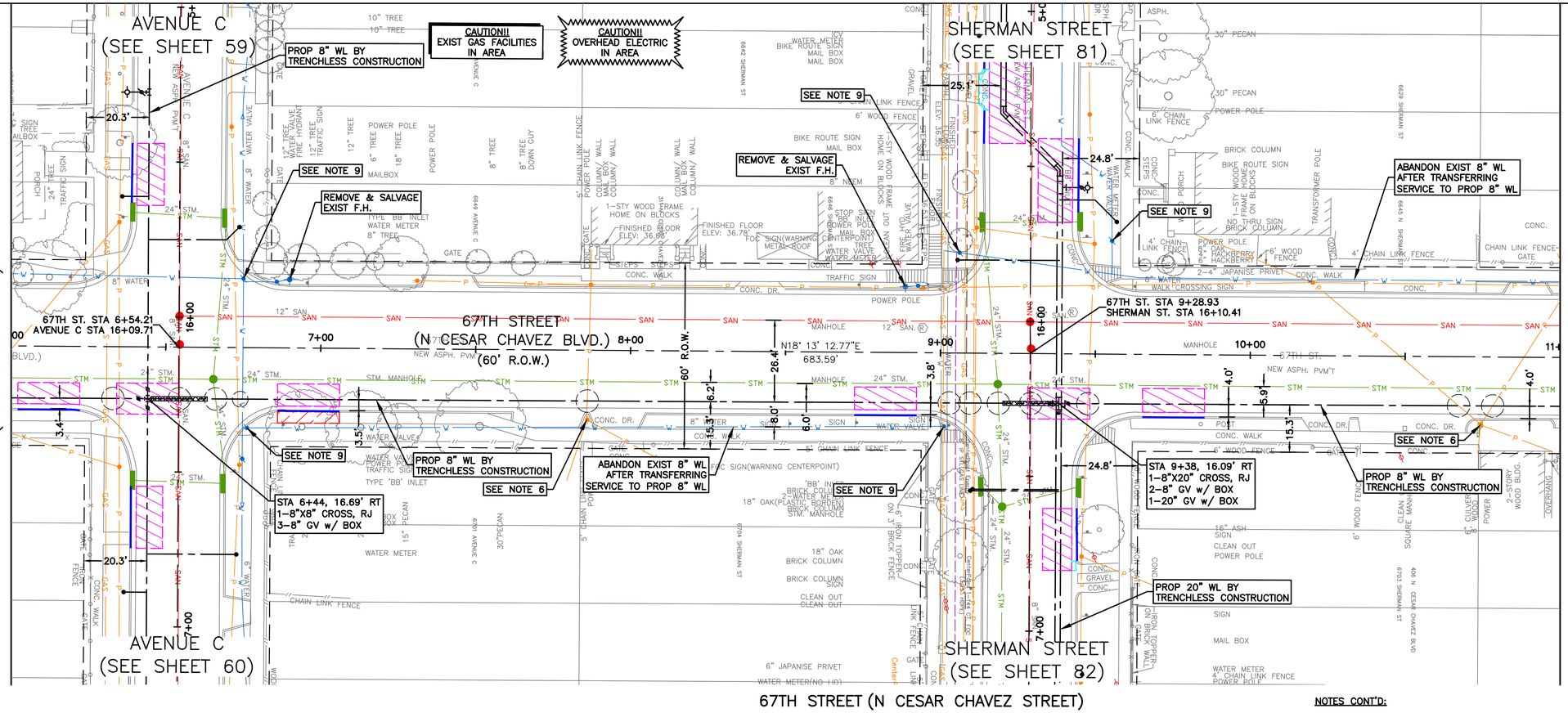
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

67TH STREET
PROFILE VIEW
STA. 1+00 TO STA. 6+00
(SHEET 2 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 152 OF 318	



SEE SHEET 154
FOR PROFILE VIEW

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

67TH STREET
PLAN VIEW
STA. 6+00 TO STA. 11+00
(SHEET 3 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 153 OF 318	

PLOTTED: 12/12/2025 1:43 PM

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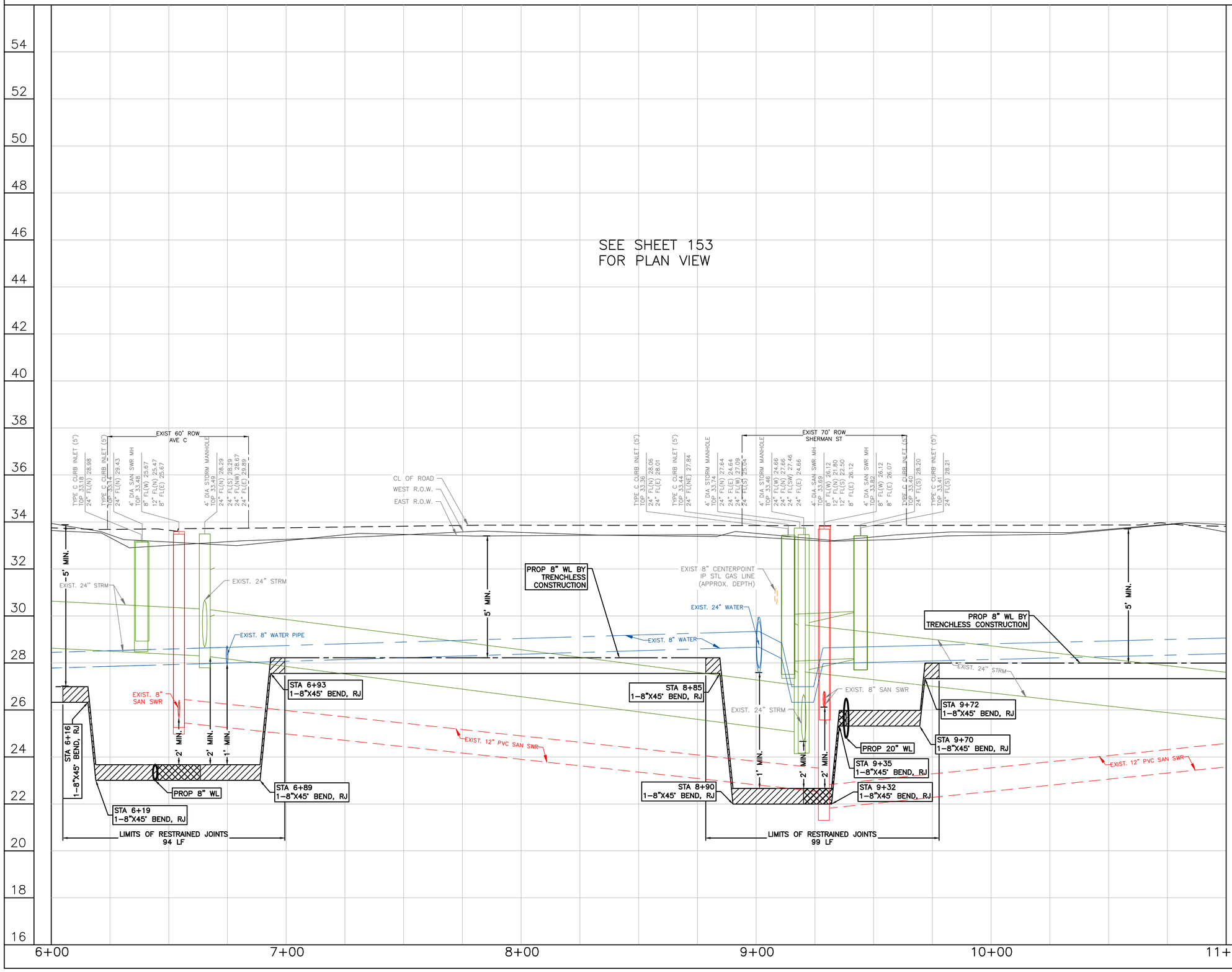
PLOTTED: 12/12/2025 1:44 PM

FILE PATH: J:\COHoustonPWE\200000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 67TH.dwg



NO.	DATE	REVISION	APP.

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LANDTECH, INC.
FB NO. P-6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

67TH STREET
PROFILE VIEW
STA. 6+00 TO STA. 11+00
(SHEET 4 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 154 OF 318	

PLOTTED: 12/12/2025 1:44 PM

MATCH LINE STA 11+00
(SEE SHEET 153)

AVENUE E
(SEE SHEET 105)

AVENUE E
(SEE SHEET 106)

AVENUE F
(SEE SHEET 121)

AVENUE F
(SEE SHEET 122)

67TH STREET (N CESAR CHAVEZ STREET)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

PROP 12" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 9

67TH ST. STA 12+04.44
AVENUE E STA 13+73.88

67TH ST. STA 14+63.43
AVENUE F STA 14+47.36

PROP 8" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 7

SEE NOTE 6

STA 11+96, 15.56' RT
1–8"X12" CROSS, RJ
2–8" GV w/ BOX
1–12" GV w/ BOX

STA 14+82, 23.46' LT
4–8" CUT, PLUG & ABANDON

STA 14+74, 15.37' RT
1–8"X8" CROSS, RJ
3–8" GV w/ BOX

STA 15+28, 15.59' RT
1–8"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

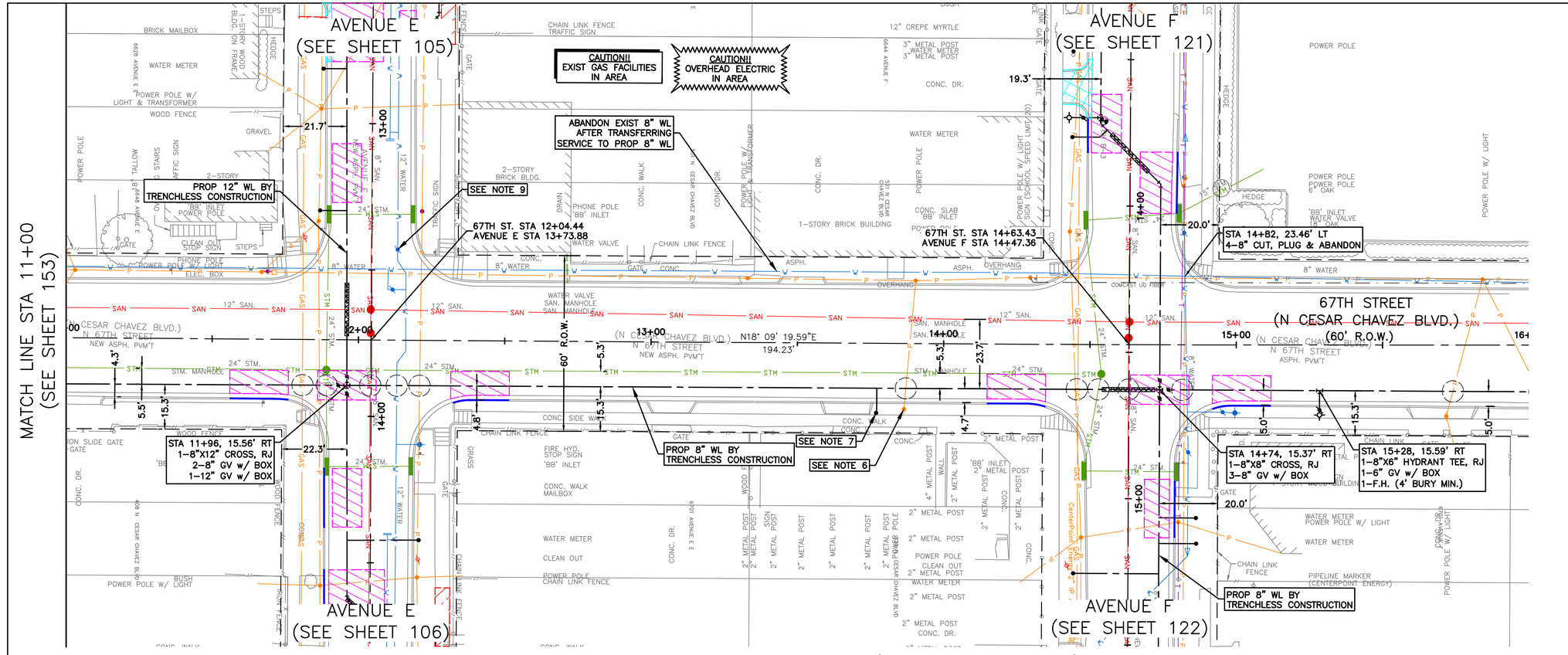
PROP 8" WL BY TRENCHLESS CONSTRUCTION

67TH STREET
(N CESAR CHAVEZ BLVD.)
(60' R.O.W.)

N 67TH STREET
NEW ASPH. PVM'T

(N CESAR CHAVEZ BLVD.)
N 67TH STREET
ASPH. PVM'T

N18° 09' 19.59"E
194.23'



FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE – 67TH.dwg

20' 0' 20'
SCALE 1"=20'

LEGEND:

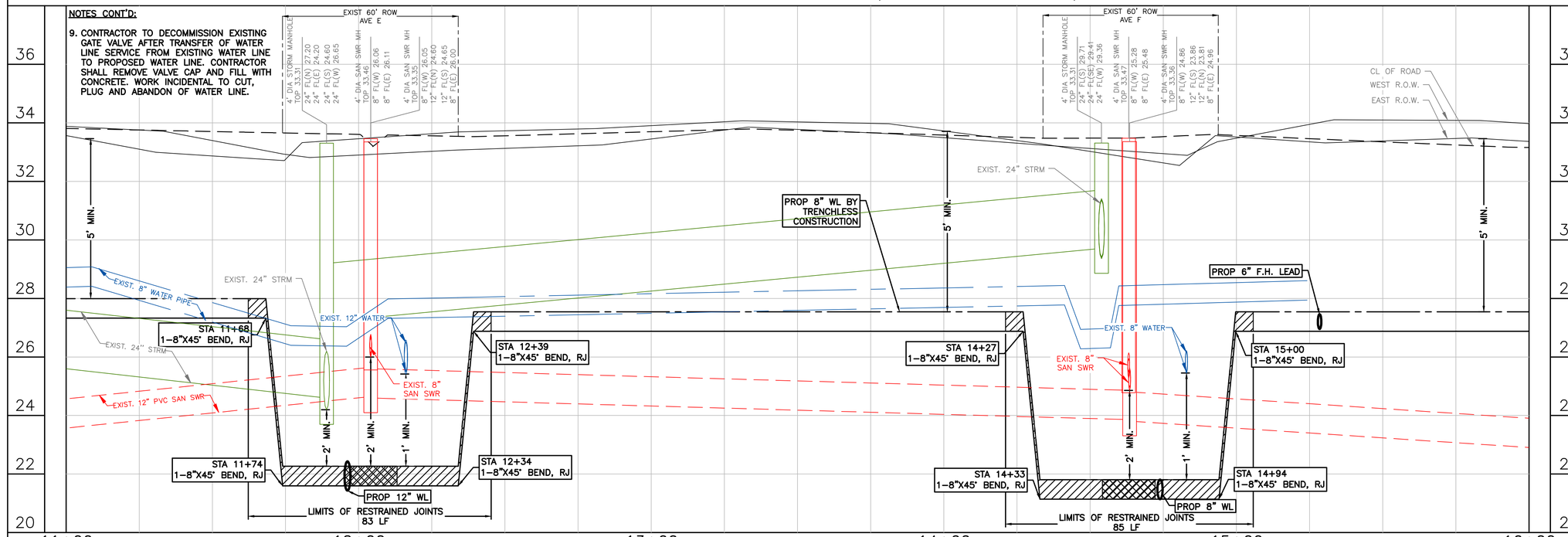
- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.



NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

67TH STREET
PLAN AND PROFILE
STA. 11+00 TO STA. 16+00
(SHEET 5 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 155 OF 318	

PLOTTED: 12/12/2025 1:45 PM

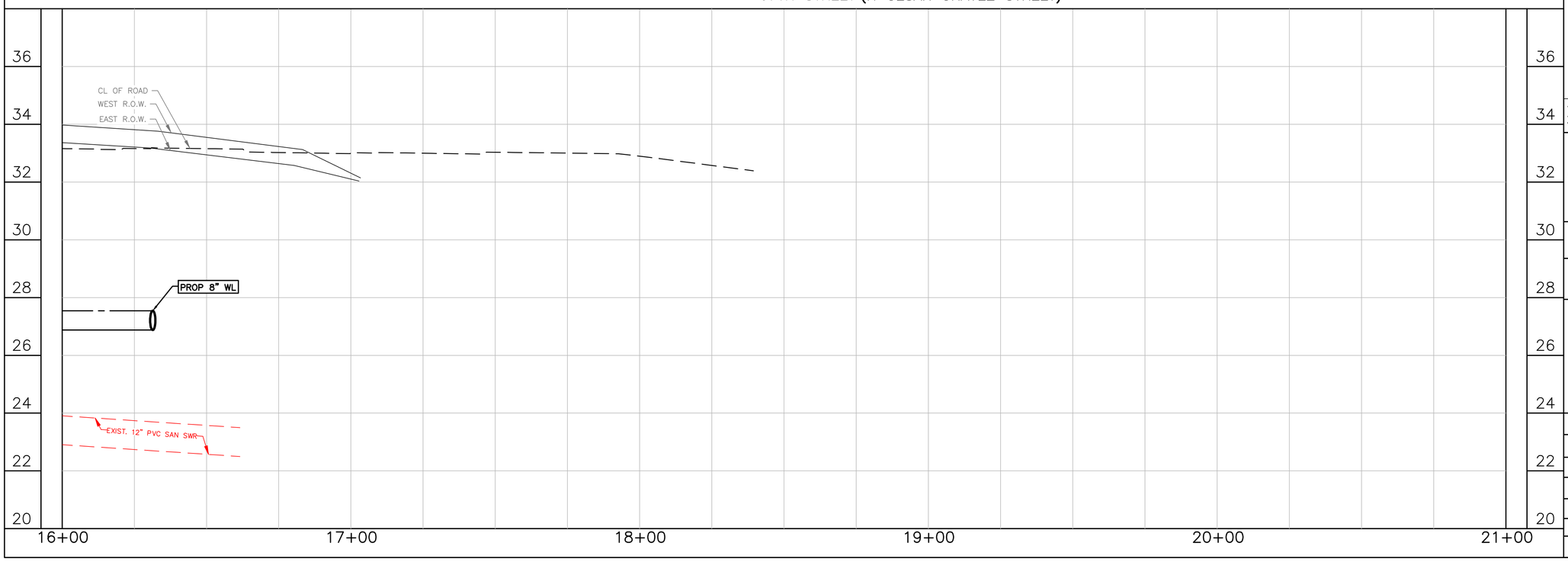
MATCH LINE STA 16+00
(SEE SHEET 154)

CANAL ST.

NEWSPAPER STAND
8" HOLLY
POWER POLE
TRASH CAN
METRO STOP
WATER METER
METRO SIGN
TRASH CAN
BB INLET
POWER POLE W/LIGHT
WATER VALVE
STM. MANHOLE
CONC. WALK
COMCAST UG FIBER
8" WATER
67TH STREET
(N CESAR CHAVEZ BLVD)
(60' R.O.W.)
(NOT A TRAFFIC SIGNAL)
60' R.O.W.
23.5'
15.3'
ASPH. PVMT
SEE SHEET 196 FOR CROSS SECTION VIEW
PAYPHONE
BB INLET
STM. MANHOLE
BUSINESS SIGN
SEE NOTE 6
1-STORY STUCCO BUILDING
1-STORY STUCCO BLDG.
CONC. DR.
SAMPLE WELL
POWER POLE
WATER METER
6702 CANAL ST
6702 N. CESAR CHAVEZ BLVD
HEDGES
PARKING LOT
RETAIN WALL
STEPS
6" SAN. LEAD
12" SAN.
8" SAN.
8" WATER
12"-4" HL&P CONDUITS
COMCAST UG FIBER CABLE (APPROX.)
24" STM.
LOW WIRE ELEV.= 50.20
WHITE STRIP
LOW WIRE ELEV.= 50.88
18" STM.
6" SAN. LEAD
CHAIN LINK W/BARB WIRE FENCE
CONC. WALK
GAS
STA 16+31, 20.87' LT
1-8"X8" TS&V
1-8" CUT, PLUG & ABANDON
SEE NOTE 9
STA 16+31, 12.29' RT
1-8"X45° BEND, RJ
STA 16+27, 16.09' RT
1-8"X45° BEND, RJ
17+00
N17° 48' 52.00"E
458.05'
18+00
19+00
19+50
END BASELINE
STA. 19+50.00
N: 13837721.8865
E: 3140839.1805
CAUTION!! EXIST GAS FACILITIES IN AREA
CAUTION!! OVERHEAD ELECTRIC IN AREA
GAS PAINT
'BB' INLET
STOP SIGN
POWER POLE W/STREET LIGHT
CHAIN LINK FENCE
GATE
ASPH. WATER VALVE
TRAFFIC SIGNAL POLE
CONC.
COMCAST UG FIBER CABLE (APPROX.)
SAN. MANHOLE
YELLOW STRIP
CONC. PVM'T
ELEC. MANHOLE
JUNCTION BOX
SERVICE POLE W/ METER
BUSHES
8" PVC STM.
WATER VALVE GRATE INLET
METRO STOP BB INLET
NEWSPAPER STAND
METRO SIGN
710 AVENUE H
3" METAL POST
CONC. DR.
STREET LIGHT POLE
CONC. PARKING LOT
BUS SHELTER #8325
CenterPoint Energy 2" PLA
6600 CANAL ST
0 CANAL ST
CHAIN LINK FENCE
24" STM.
8" WATER
CONC. WALK
WATER VALVE TOP NUT
CONC. PVM'T
STM. MANHOLE
30" STM.
12" SAN.
8" SAN.
IRON FENCE
GATE
6" WATER
PHONE
STM. MAN
FIBER
WATER
STOP
POWER
CHAIN

CANAL ST.

67TH STREET (N CESAR CHAVEZ STREET)



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO FIELD VERIFY LOCATION AND EXISTING 8" WL PRIOR TO MAKING TS&V CONNECTION. CONTRACTOR TO COORDINATE THE SHUTDOWN OF EXISTING WATERLINE WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXISTING 8" WL.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

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ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

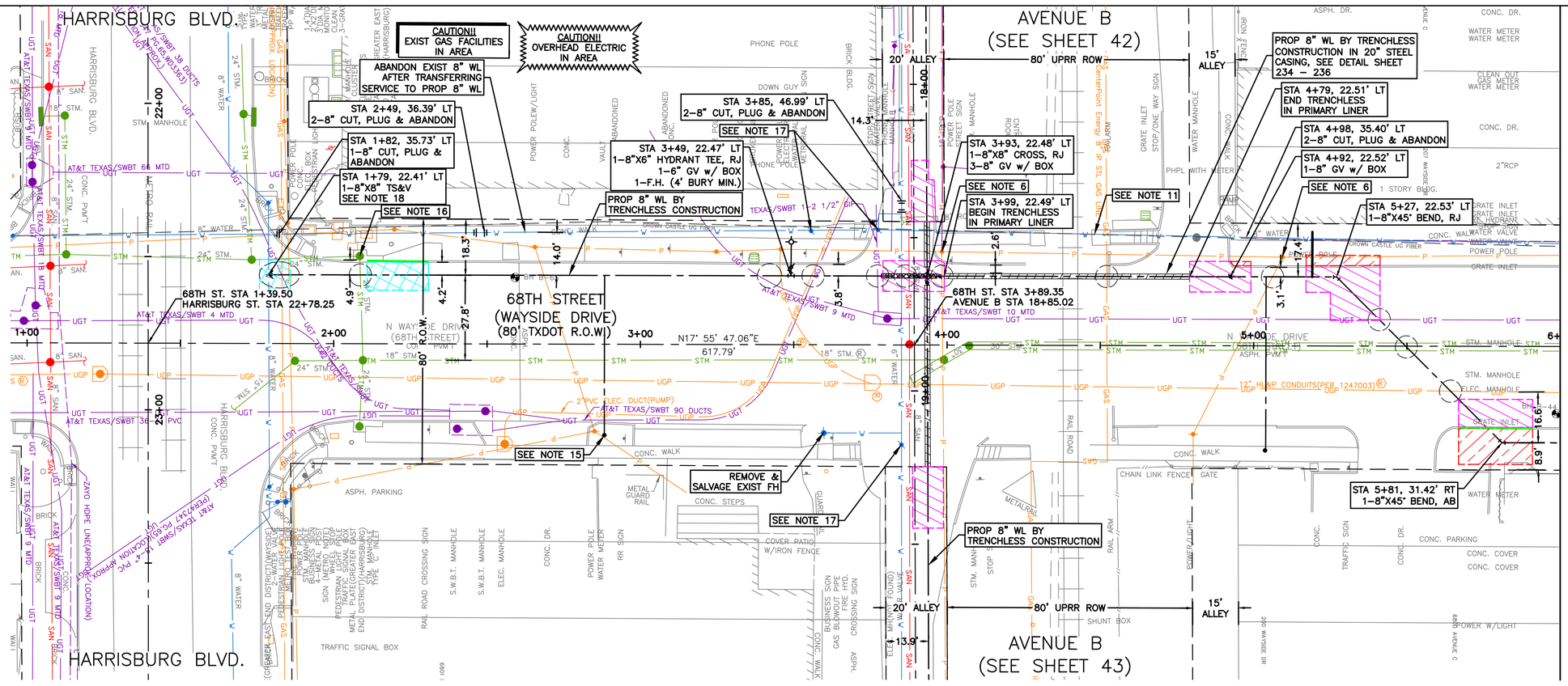
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

67TH STREET
PLAN AND PROFILE
STA. 16+00 TO STA. 20+00
SHEET (6 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 156 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE – 67TH.dwg



SEE SHEET 158
FOR PROFILE VIEW

MATCH LINE STA 6+00
(SEE SHEET 159)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.

NOTES CONT'D:

7. CONTRACTOR TO PROTECT TRAFFIC SIGNAL BOXES DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAY.
8. CONTRACTOR TO PROTECT PEDESTRIAN POLE AND FACILITIES DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAY.
9. CONTRACTOR TO COORDINATE WITH CENTERPOINT ENERGY ABOUT FACILITIES WITHIN UNDERGROUND POWER LINE MANHOLE.
10. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 206 – 212 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
11. TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS.
12. CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UNION PACIFIC RAILROAD (UPRR) AT 682–223–5271 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT–OF–WAY.
13. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OF CRITICAL STRUCTURES ADJACENT TO THE WATER LINE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SETTLEMENT MITIGATION, AS NECESSARY. SETTLEMENT MONITORING AND MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION. SEE SPEC SECTION 02425.
14. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AROUND UPRR FACILITIES AND RIGHT–OF–WAY.
15. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.
16. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NOT SEPARATE PAY.
17. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
18. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING TS&V CONNECTION. CONTRACTOR SHALL COORDINATE THE SHUT DOWN OF EXISTING WATER LINE WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXISTING 8" WL.
19. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEE 228 TO 233 FOR STANDARD DETAILS.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

68TH STREET
PLAN VIEW
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 157 OF 318	

PLOTTED: 12/12/2025 1:46 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – 68TH.dwg

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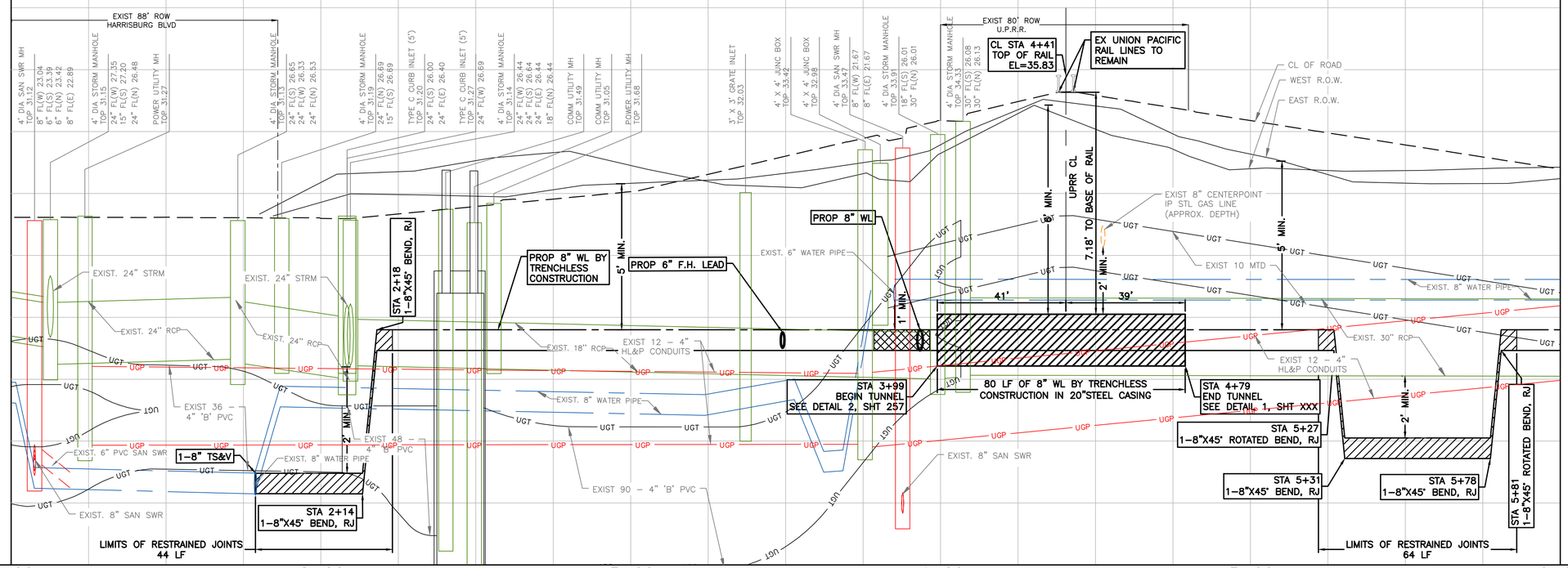
SEE SHEET 157
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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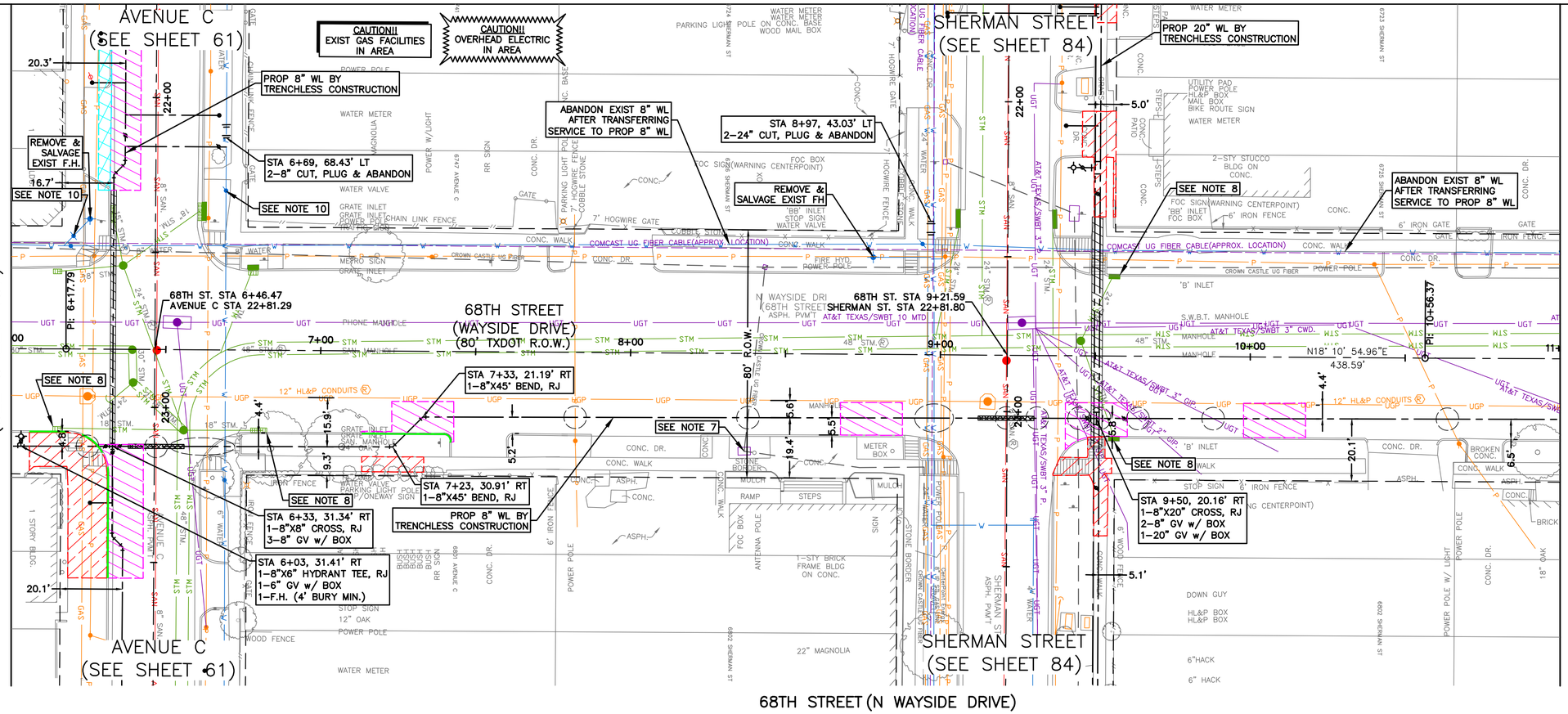
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

68TH STREET
PROFILE VIEW
STA. 1+00 TO STA. 6+00
(SHEET 2 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 158 OF 318	



MATCH LINE STA 6+00
(SEE SHEET 157)

MATCH LINE STA 11+00
(SEE SHEET 161)

SEE SHEET 160
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.

NOTES CONT'D:

6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO COORDINATE WITH CROWN CASTLE ABOUT FACILITIES WITHIN UNDERGROUND FIBER OPTIC BOX. CONTRACTOR TO PROTECT BOX DURING CONSTRUCTION OPERATIONS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 206 – 212 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
11. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEE 228 TO 233 FOR STANDARD DETAILS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

68TH STREET
PLAN VIEW
STA. 6+00 TO STA. 11+00
(SHEET 3 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 159 OF 318	

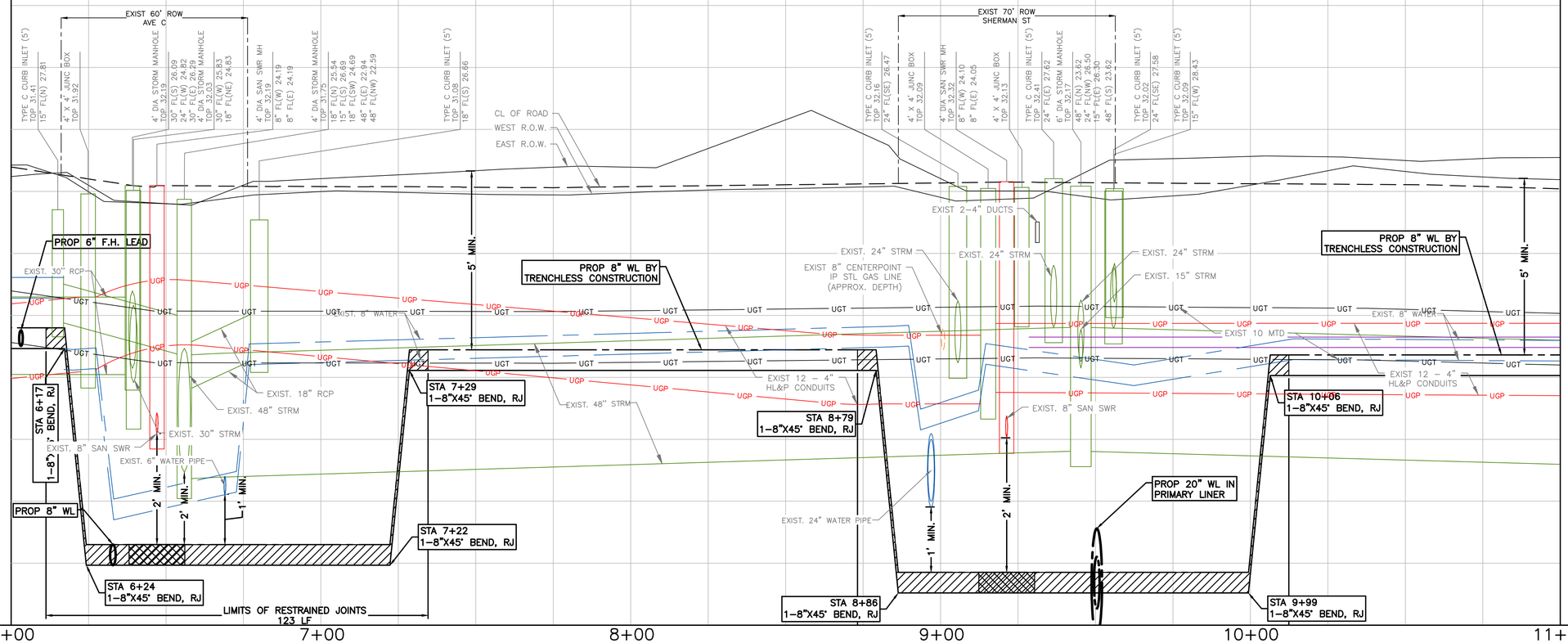
PLOTTED: 12/12/2025 1:47 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE – 68TH.dwg

PLOTTED: 12/12/2025 1:47 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 68TH.dwg

SEE SHEET 159
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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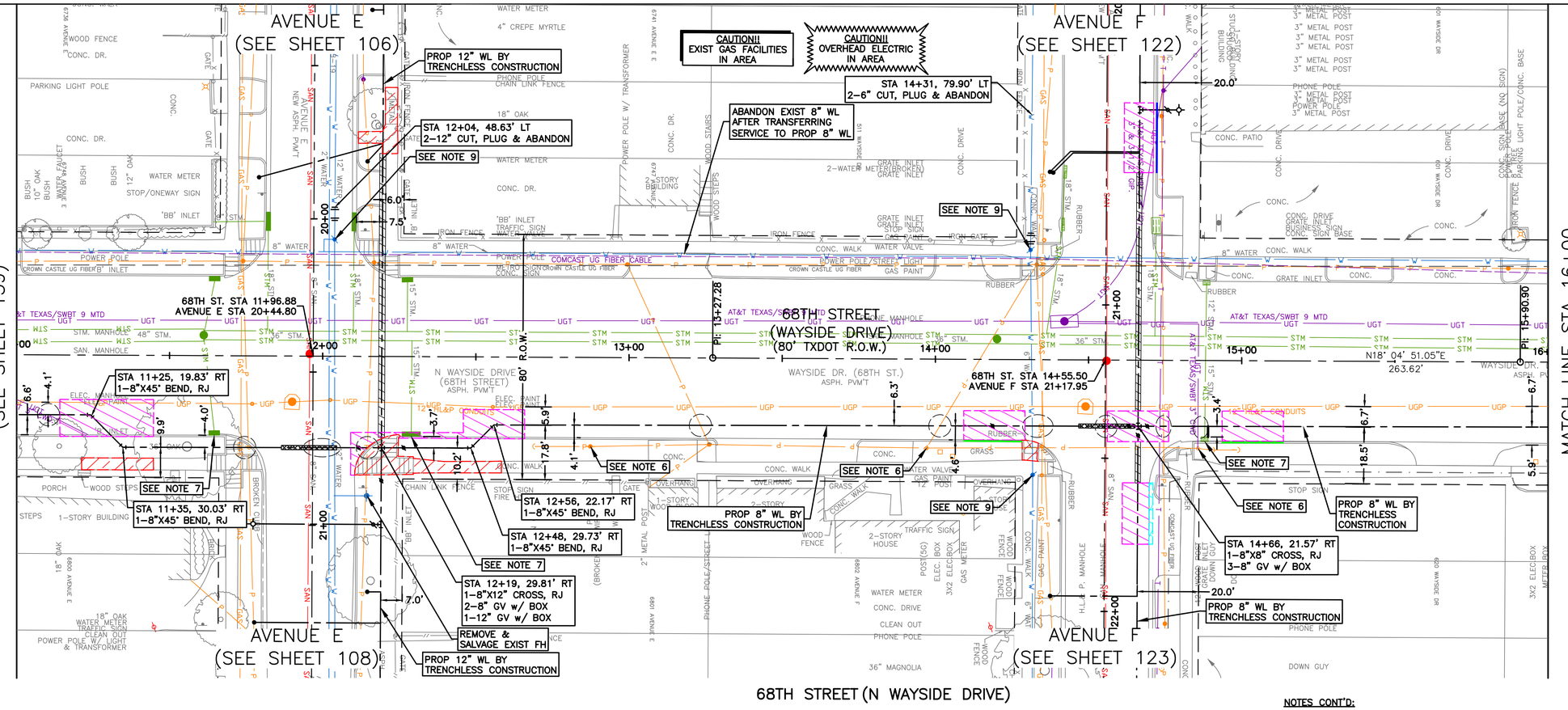
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

68TH STREET
PROFILE VIEW
STA. 6+00 TO STA. 11+00
(SHEET 4 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 160 OF 318	



SEE SHEET 162
FOR PROFILE VIEW

NOTES CONT'D:

6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 206 – 212 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
10. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEE 228 TO 233 FOR STANDARD DETAILS.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

68TH STREET
PLAN VIEW
STA. 11+00 TO STA. 16+00
(SHEET 5 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 161 OF 318	

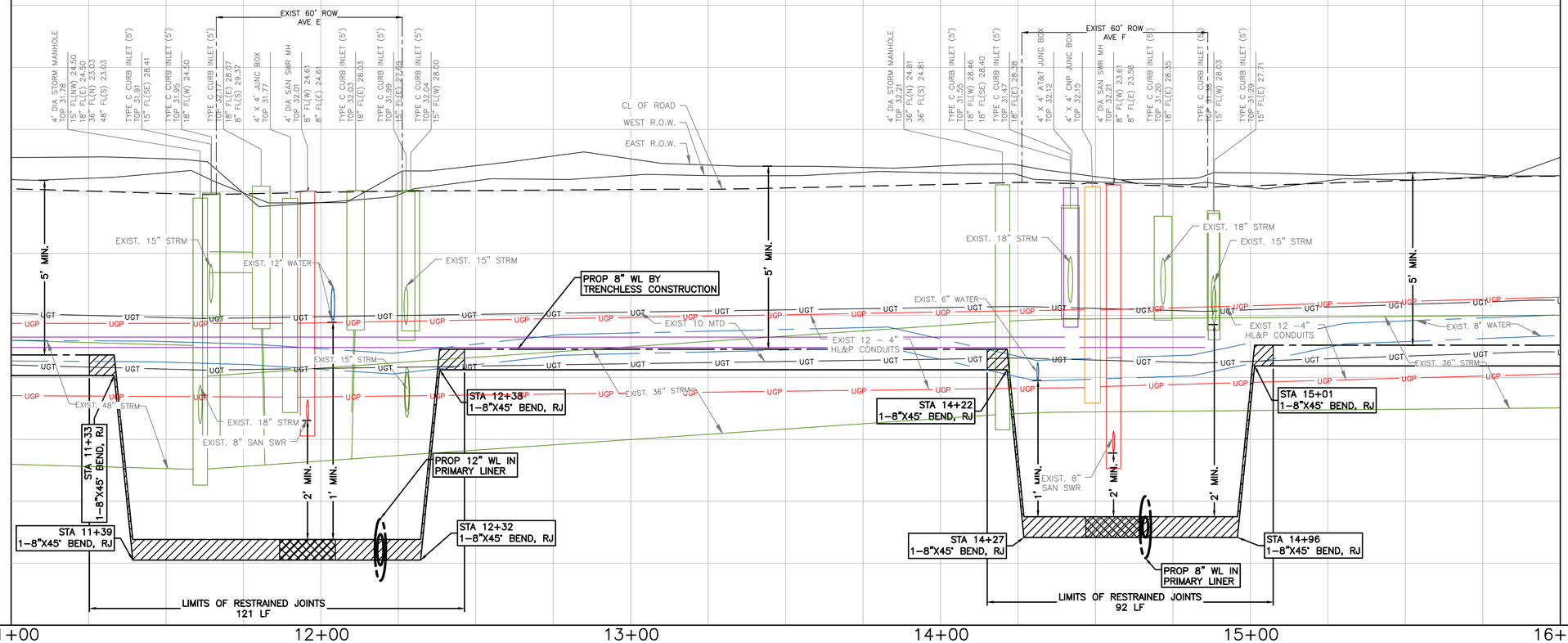
PLOTTED: 12/12/2025 1:48 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE – 68TH.dwg

PLOTTED: 12/12/2025 1:48 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 68TH.dwg

SEE SHEET 161
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

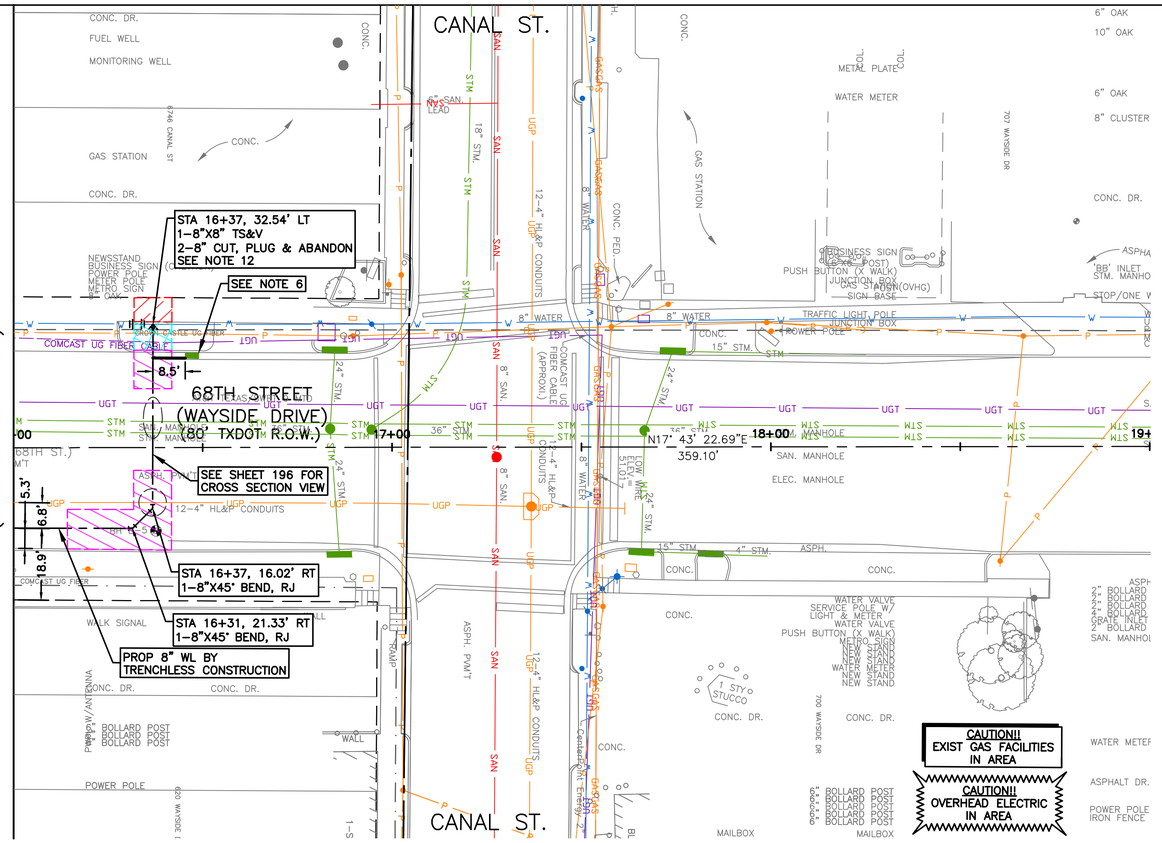
68TH STREET
PROFILE VIEW
STA. 11+00 TO STA. 16+00
(SHEET 6 OF 7)

WBS NUMBER	S-000035-0267-3
DRAWING SCALE	HORIZ: 1"=20' VERT: 1"=2'
CITY OF HOUSTON PM	ROWAIDAH AYOUB, P.E.
SHEET NO.	162 OF 318

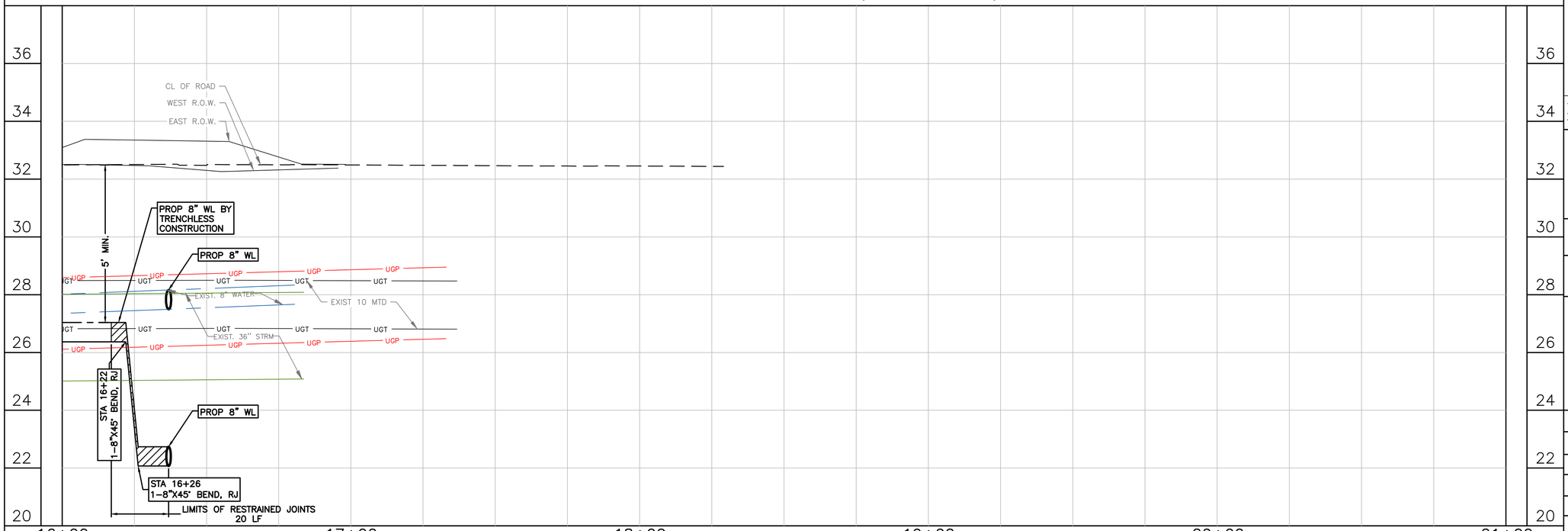
FOR CITY OF HOUSTON USE ONLY

PLOTTED: 12/12/2025 1:49 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 68TH.dwg

MATCH LINE STA 16+00
(SEE SHEET 161)



68TH STREET (N WAYSIDE DRIVE)



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

9. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH CITY.
10. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 206 – 212 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
11. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEE 228 TO 233 FOR STANDARD DETAILS.
12. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXIST 8" WL PRIOR TO MAKING TS&V CONNECTION. CONTRACTOR SHALL COORDINATE THE SHUTDOWN OF EXISTING WATER LINE WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXIST 8" WL.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

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SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

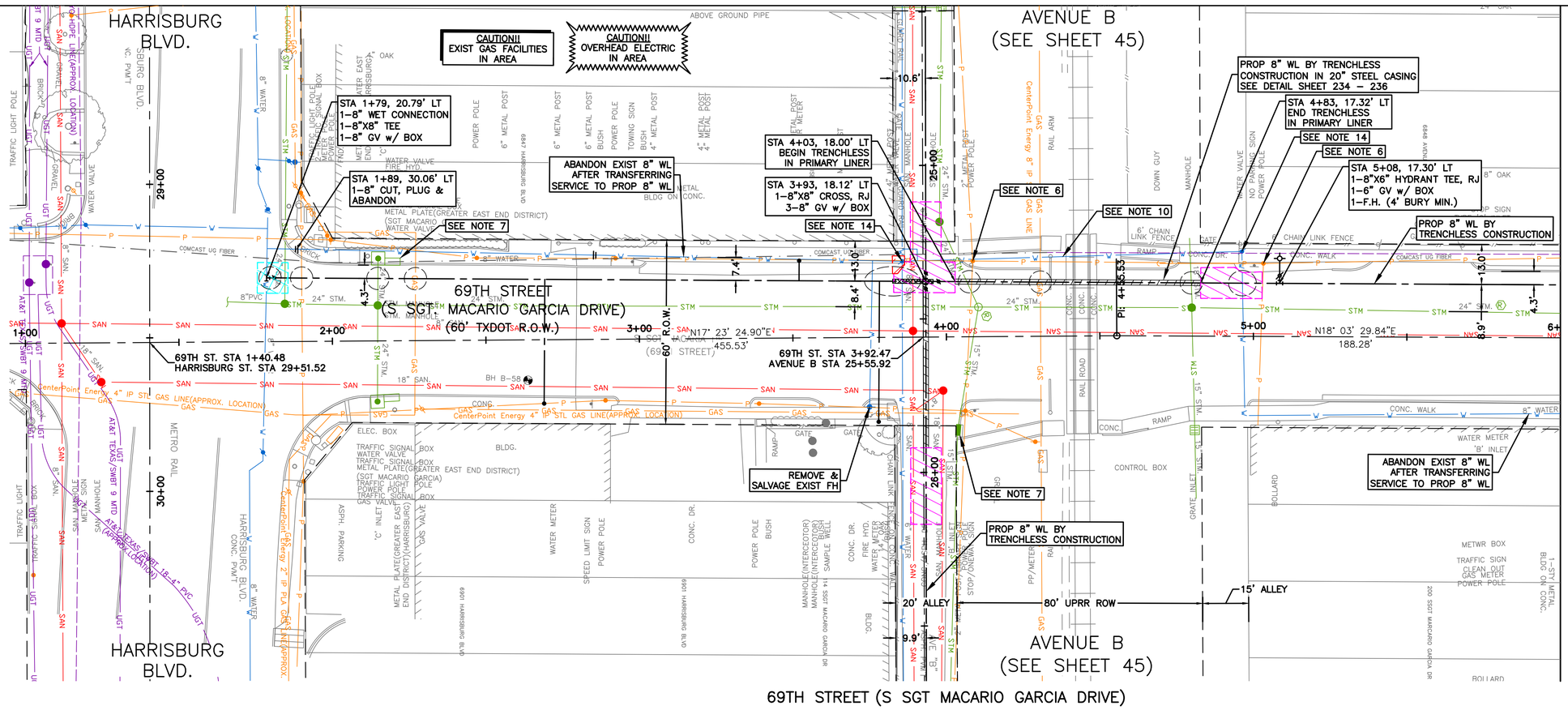
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

68TH STREET
PLAN AND PROFILE
STA. 16+00 TO STA. 19+00
(SHEET 7 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 163 OF 318	



SEE SHEET 165
FOR PROFILE VIEW

MATCH LINE STA 6+00
(SEE SHEET 166)

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRCUTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WATER LINE PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 206 – 212 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS.
11. CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UNION PACIFIC RAILROAD (UPRR) AT 682–223–5271 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT–OF–WAY.
12. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OF CRITICAL STRUCTURES ADJACENT TO THE WATER LINE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SETTLEMENT MITIGATION, AS NECESSARY. SETTLEMENT MONITORING AND MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION. SEE SPEC SECTION 02425.
13. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AROUND UPRR FACILITIES AND RIGHT–OF–WAY.
14. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
15. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEET 228 TO 233 FOR STANDARD DETAILS.

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

69TH STREET
PLAN VIEW
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 5)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 164 OF 318	

PLOTTED: 12/12/2025 4:57 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – 69TH.dwg

PLOTTED: 12/12/2025 1:51 PM

FILE PATH: J:\COHoustonPWE\200000016600_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 69TH.dwg

SEE SHEET 164
FOR PLAN VIEW

EXIST 90' ROW
HARRISBURG BLVD

4' DIA SAN SWR MH
TOP 24.14
8" FL(S) 21.34
8" FL(W) 23.49
8" FL(N) 22.50
18" FL(E) 21.09
8" FL(E) 21.29

4' DIA SAN SWR MH
TOP 30.08
18" FL(W) 17.53
18" FL(W) 16.87

4' DIA STORM MANHOLE
TOP 30.03
24" FL(N) 25.03
18" FL(W) 25.53
8" FL(S) 25.31

TYPE C CURB INLET (5')
TOP 29.82
24" FL(W) 25.31

4' DIA STORM MANHOLE
TOP 29.90
24" FL(E) 25.20
24" FL(W) 25.10
24" FL(S) 24.90
24" FL(N) 25.10

TYPE C CURB INLET (5')
TOP 30.23
24" FL(E) 24.77

4' DIA SAN SWR MH
TOP 35.98
8" FL(W) 20.26
8" FL(S) 20.26
8" FL(E) 20.26
8" FL(N) 20.26

4' DIA STORM MANHOLE
TOP 35.48
24" FL(W) 27.19
24" FL(E) 26.94

4' DIA SAN SWR MH
TOP 34.13
18" FL(E) 16.35
18" FL(S) 16.25
8" FL(S) 16.25

TYPE C CURB INLET (5')
TOP 31.39
15" FL(W) 26.87
15" FL(E) 27.77

4' DIA STORM MANHOLE
TOP 32.74
24" FL(S) 25.56
24" FL(N) 25.56
24" FL(W) 25.56
15" FL(SE) 25.56

EXIST 80' ROW
U.P.R.R.

CL STA 4+44
TOP OF RAIL
EL=34.64

4' DIA STORM MANHOLE
TOP 32.82
24" FL(N) 24.66
24" FL(S) 24.66
15" FL(E) 27.11
18" FL(W) 26.91

3' X 3' GRATE INLET
TOP 31.60
15" FL(W) 29.30
15" FL(E) 29.15

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

EX UNION PACIFIC
RAIL LINES TO
REMAIN

UPRR CL

EXIST. 15" STRM
EXIST. 24" STRM
EXIST. 6" WATER PIPE
EXIST. 8" WATER PIPE
EXIST. 8" CENTERPOINT
IP STL GAS LINE
(APPROX. DEPTH)
10.11' TO
BASE OF RAIL
EXIST. 15" STRM
EXIST. 18" STRM
EXIST. 8" WATER
EXIST. 18" STRM
EXIST. 8" WATER PIPE
EXIST. 8" PVC SCH 40
EXIST. 8" WATER PIPE
EXIST. 24" RCP
EXIST. 24" STRM
EXIST. 8" WATER
EXIST. 8" SAN SWR
EXIST. 8" SAN SWR
EXIST. 8" PVC SAN SWR
EXIST. 18" SAN SWR
EXIST. 18" PVC SAN SWR
EXIST. 8" PVC SAN SWR

5' MIN.
2' MIN.
1' MIN.

PROP 8" WL BY
TRENCHLESS
CONSTRUCTION

PROP 8" WL

STA 4+03
BEGIN TUNNEL
SEE DETAIL 2, SHT 257

41'
39'
80 LF OF 8" WL BY TRENCHLESS
CONSTRUCTION IN 20" STEEL CASING

STA 4+83
END TUNNEL
SEE DETAIL 1, SHT XXX

PROP 6" F.H. LEAD

STA 5+97
1-8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
15 LF

LIMITS OF RESTRAINED JOINTS
8 LF

1+00 2+00 3+00 4+00 5+00 6+00

NO.	DATE	REVISION	APP.

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
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DATE:
AT&T
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DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

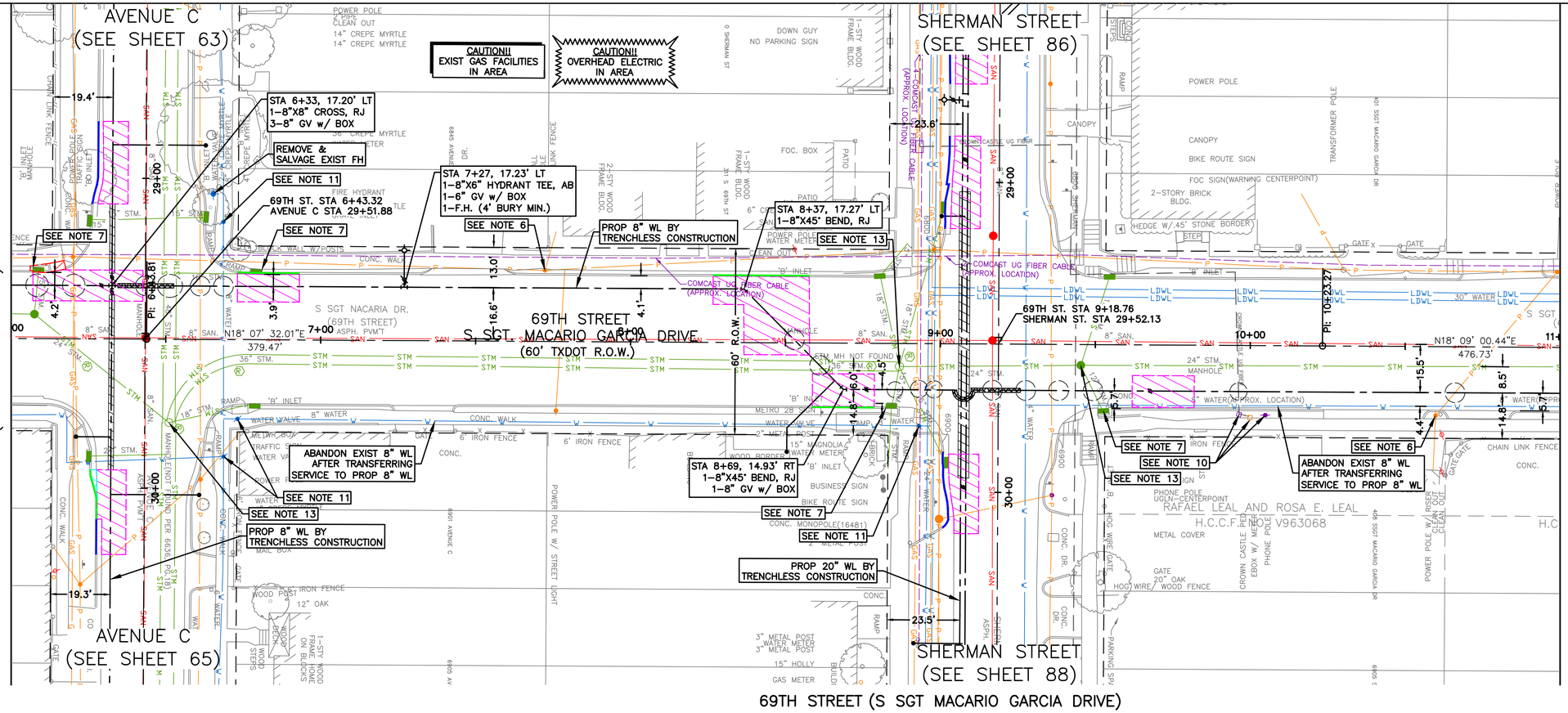
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

69TH STREET
PROFILE VIEW
STA. 1+00 TO STA. 6+00
(SHEET 2 OF 5)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 165 OF 318	



SEE SHEET 167
FOR PROFILE VIEW

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO PROTECT EXISTING FIBER PEDESTAL, POLE, AND BOX DURING CONSTRUCTION OPERATIONS. COORDINATE WITH CROWNCASTLE FIBER COMMUNICATIONS FOR RELOCATION REQUIREMENTS. NO SEPARATE PAY.
11. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
12. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEET 228 TO 233 FOR STANDARD DETAILS.
13. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION, INVERTS, AND PIPE SIZES PRIOR TO STARTING 20" TRENCHLESS ACTIVITY IN THE INTERSECTION.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPERATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE. CONTRACTOR TO PROTECT EXISTING WATER LINE DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAY.

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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1710 Seamist Dr, Houston, TX 77008
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

69TH STREET
PLAN VIEW
STA. 6+00 TO STA. 11+00
(SHEET 3 OF 5)

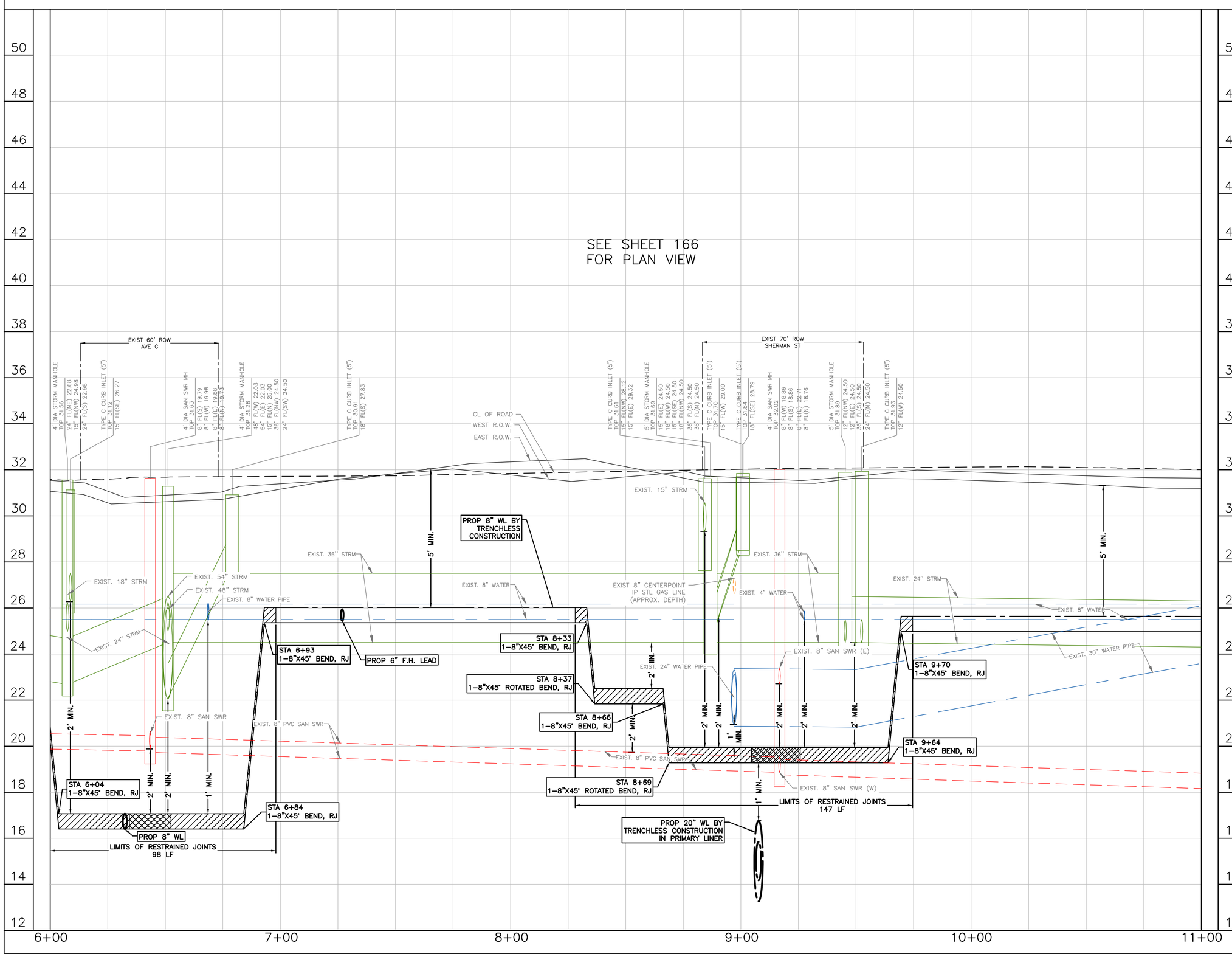
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 166 OF 318	

PLOTTED: 12/12/2025 1:51 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – 69TH.dwg

PLOTTED: 12/12/2025 1:52 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 69TH.dwg



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TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

69TH STREET
PROFILE VIEW
STA. 6+00 TO STA. 11+00
(SHEET 4 OF 5)

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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 167 OF 318	

PLOTTED: 12/12/2025 1:52 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 69TH.dwg

MATCH LINE STA 11+00
(SEE SHEET 166)

AVENUE E
(SEE SHEET 110)

AVENUE F
(SEE SHEET 125)

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

PROP 12" WL BY TRENCHLESS CONSTRUCTION

PROP 8" WL BY TRENCHLESS CONSTRUCTION

SEE NOTE 7

SEE NOTE 9

69TH ST. STA 11+93.87
AVENUE E STA 27+15.22

69TH ST. STA 14+52.13
AVENUE F STA 27+88.72

N18° 09' 00.44"E
476.73'

2-COMCAST UG FIBER CABLE (APPROX. LOCATION)

STA 12+16, 14.70' RT
1-8"X12" TEE, RJ
2-8" GV w/ BOX
1-12" GV w/ BOX

REMOVE & SALVAGE EXIST FH

STA 14+63, 14.50' RT
1-8"X8" TEE, RJ
2-8" GV w/ BOX

END BASELINE
STA. 15+00.00
N: 13836886.8443
E: 3141979.9479

RAFAEL LEAL
C.F. NO. V963069

JOE CHAPA, JR AND RICARDO CHAPA
H.C.C.F. NO. W229365

69TH STREET
S SGT MACARIO GARCIA DRIVE
(60' TXDOT R.O.W.)
S SGT MACARIO GARCIA DR
(69TH STREET)

69TH STREET (S SGT MACARIO GARCIA DRIVE)

LEGEND:

SCALE 1"=20'

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPERATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.
10. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT SECTION WITHIN TXDOT ROW USING LATEST TXDOT STANDARD DETAILS AND SPECS, AND MATCH TO EXIST ELEVATIONS. SEE SHEET 228 TO 233 FOR STANDARD DETAILS.

EXIST 60' ROW AVE E

EXIST 60' ROW AVE F

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

EXIST. 15" STRM
EXIST. 12" WATER
EXIST. 30" WATER PIPE
EXIST. 8" WATER
EXIST. 18" SAN SWR
EXIST. 18" RCP
EXIST. 6" WATER
EXIST. 30" WATER

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 12+02
1–8"X45° BEND, RJ

STA 12+05
1–8"X45° BEND, RJ

STA 12+40
1–8"X45° BEND, RJ

PROP 12" WL BY TRENCHLESS CONSTRUCTION IN PRIMARY LINER

STA 12+35
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
68 LF

STA 14+05
1–8"X45° BEND, RJ

PROP 8" WL BY TRENCHLESS CONSTRUCTION IN PRIMARY LINER

STA 14+10
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
66 LF

5' MIN.
2' MIN.
1' MIN.

11+00 12+00 13+00 14+00 15+00 16+00

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

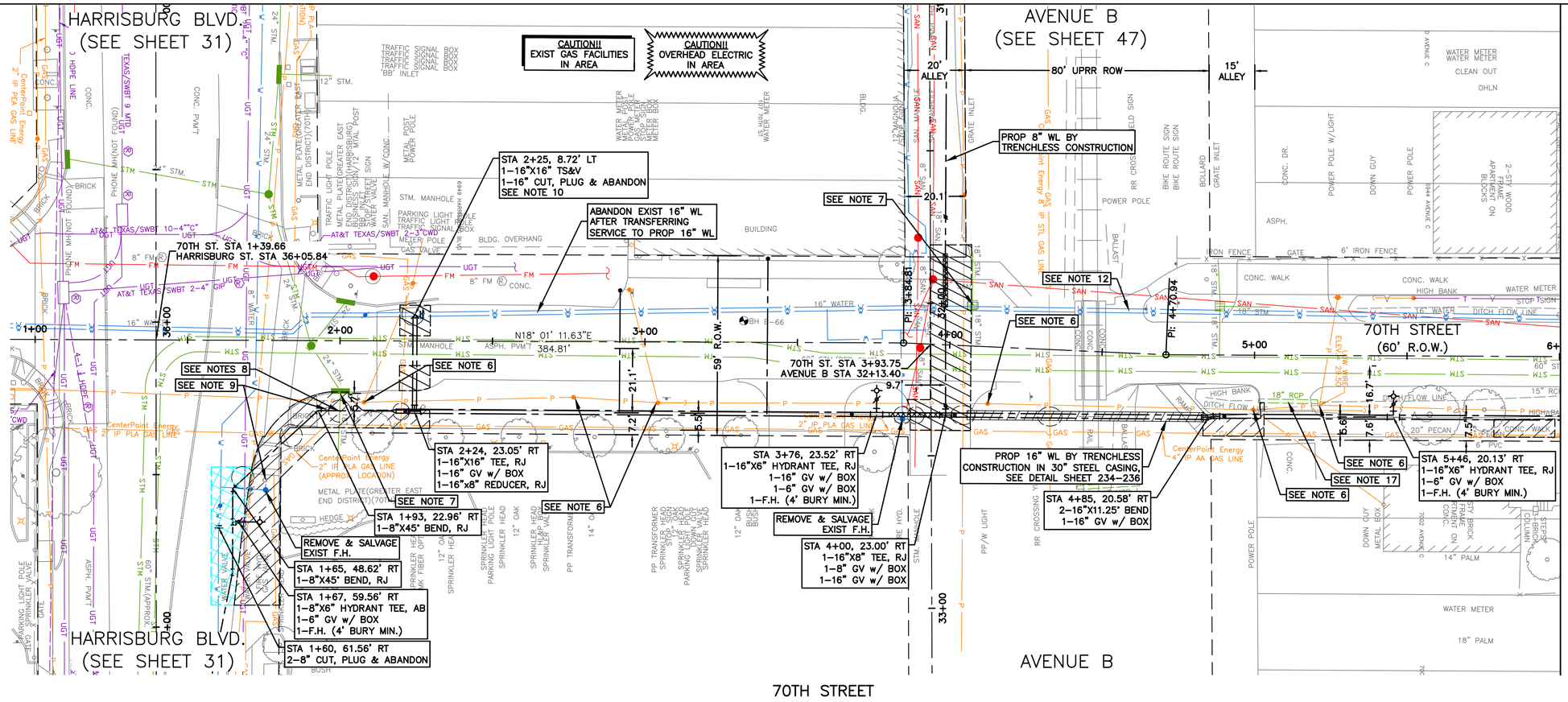
SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

69TH STREET
PLAN AND PROFILE
STA. 11+00 TO STA. 16+00
(SHEET 5 OF 5)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 168 OF 318	



20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

8. CONTRACTOR TO REMOVE AND REPLACE EXISTING STORM SEWER USING CONCRETE COLLARS.
9. CONTRACTOR TO REMOVE AND RESTORE EXISTING EAST END DISTRICT MONUMENT AND SIDEWALK STREET LABELS TO SAME OR BETTER CONDITION.
10. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.
11. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
12. TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS.
13. CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UNION PACIFIC RAILROAD (UPRR) AT 682–223–5271 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT–OF–WAY.
14. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OF CRITICAL STRUCTURES ADJACENT TO THE WATER LINE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SETTLEMENT MITIGATION, AS NECESSARY. SETTLEMENT MONITORING AND MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION. SEE SPEC SECTION 02425.
15. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AROUND UPRR FACILITIES AND RIGHT–OF–WAY.
16. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.
17. CONTRACTOR TO REMOVE AND REPLACE EXISTING 18" STORM PIPE DURING WL INSTALLATION. CONTRACTOR SHALL PROVIDE BY–PASS PUMPING TO MAINTAIN A DRY PIT AND POSITIVE DRAINAGE FOR THE AREA.

NO.	DATE	REVISION	APP.

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

70TH STREET
PLAN VIEW
STA. 1+00 TO STA. 6+00
(SHEET 1 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 169 OF 318	

PLOTTED: 12/12/2025 1:44 PM

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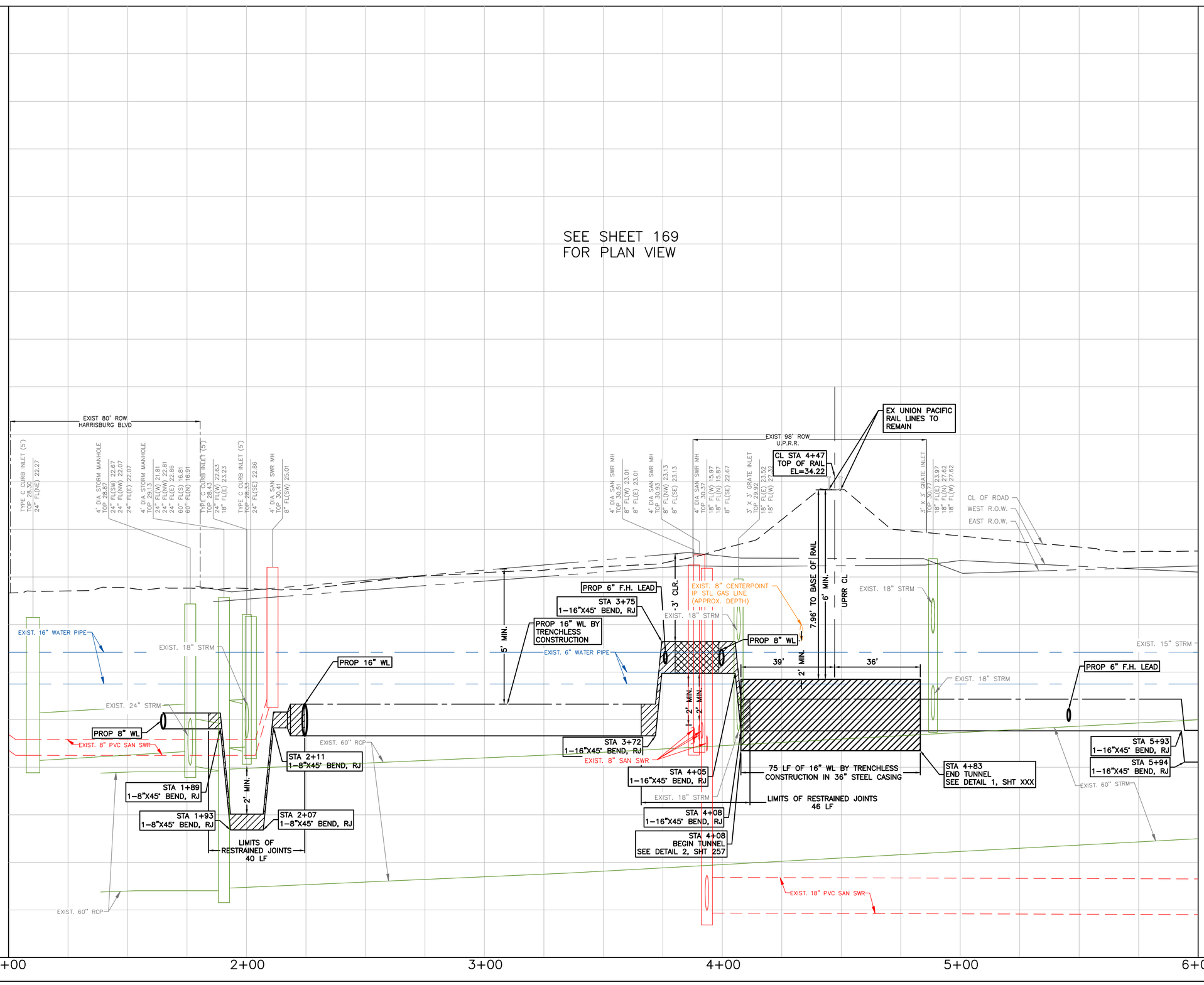
PLOTTED: 12/12/2025 1:44 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 70TH.dwg

SEE SHEET 169
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

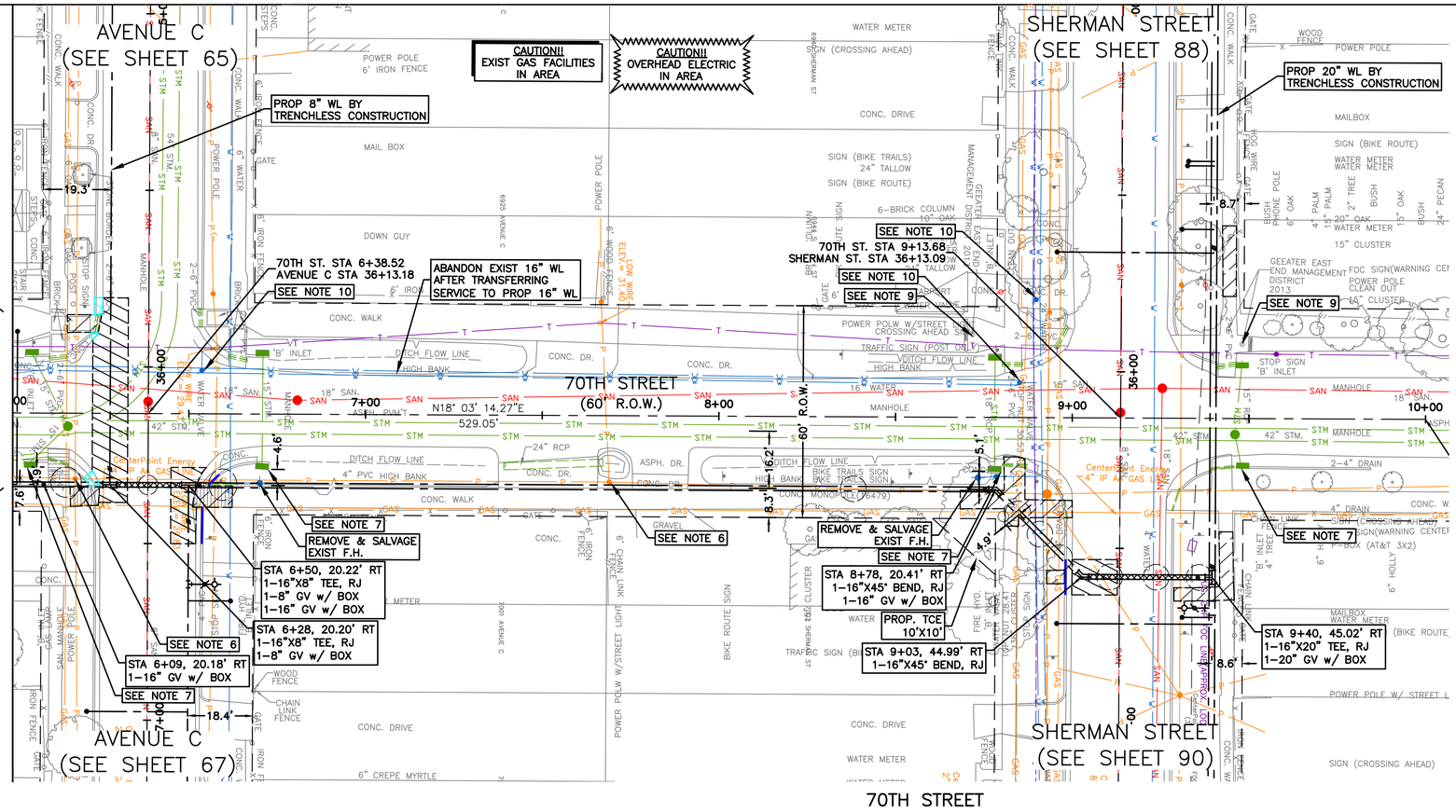
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

70TH STREET
PROFILE VIEW
STA. 1+00 TO STA. 6+00
(SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 170 OF 318	



SEE SHEET 172
FOR PROFILE VIEW

NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO REMOVE AND RESTORE EXISTING EAST END DISTRICT MONUMENT AND SIDEWALK STREET LAVELS TO SAME OR BETTER CONDITION.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WL SERVICE FROM EXISTING WL TO PROPOSED WL. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, & ABANDON OF WL.

20' 0' 20'
SCALE 1"=20'

LEGEND:

CRITICAL LOCATION, SEE SPEC. 02317

APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03

CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING

EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

70TH STREET
PLAN VIEW
STA. 6+00 TO STA. 10+00
(SHEET 3 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 171 OF 318	

PLOTTED: 12/12/2025 1:44 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 70TH.dwg

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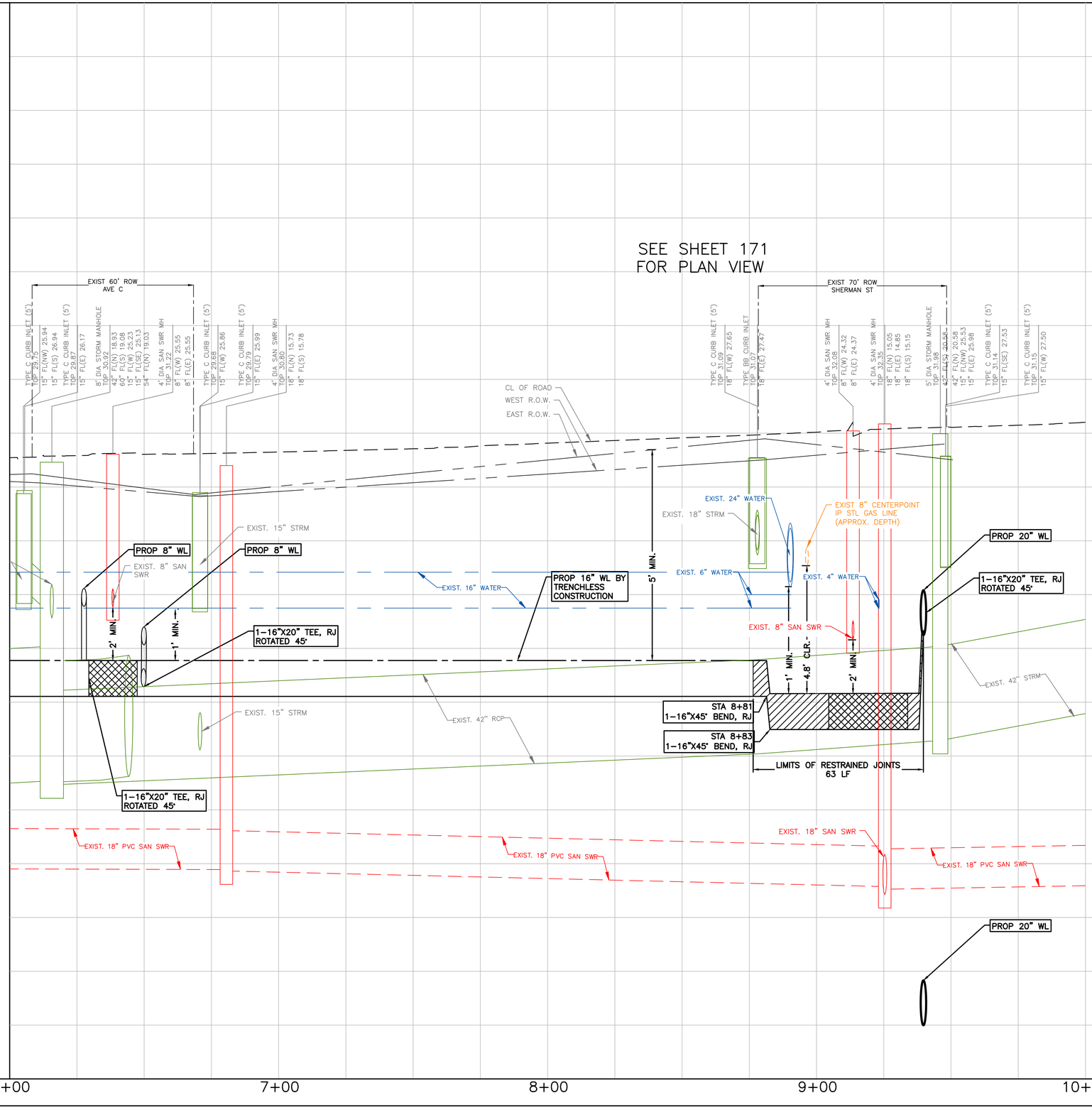

NO.	DATE	REVISION	APP.

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PROFILE VIEW
STA. 6+00 TO STA. 10+00
(SHEET 4 OF 4)

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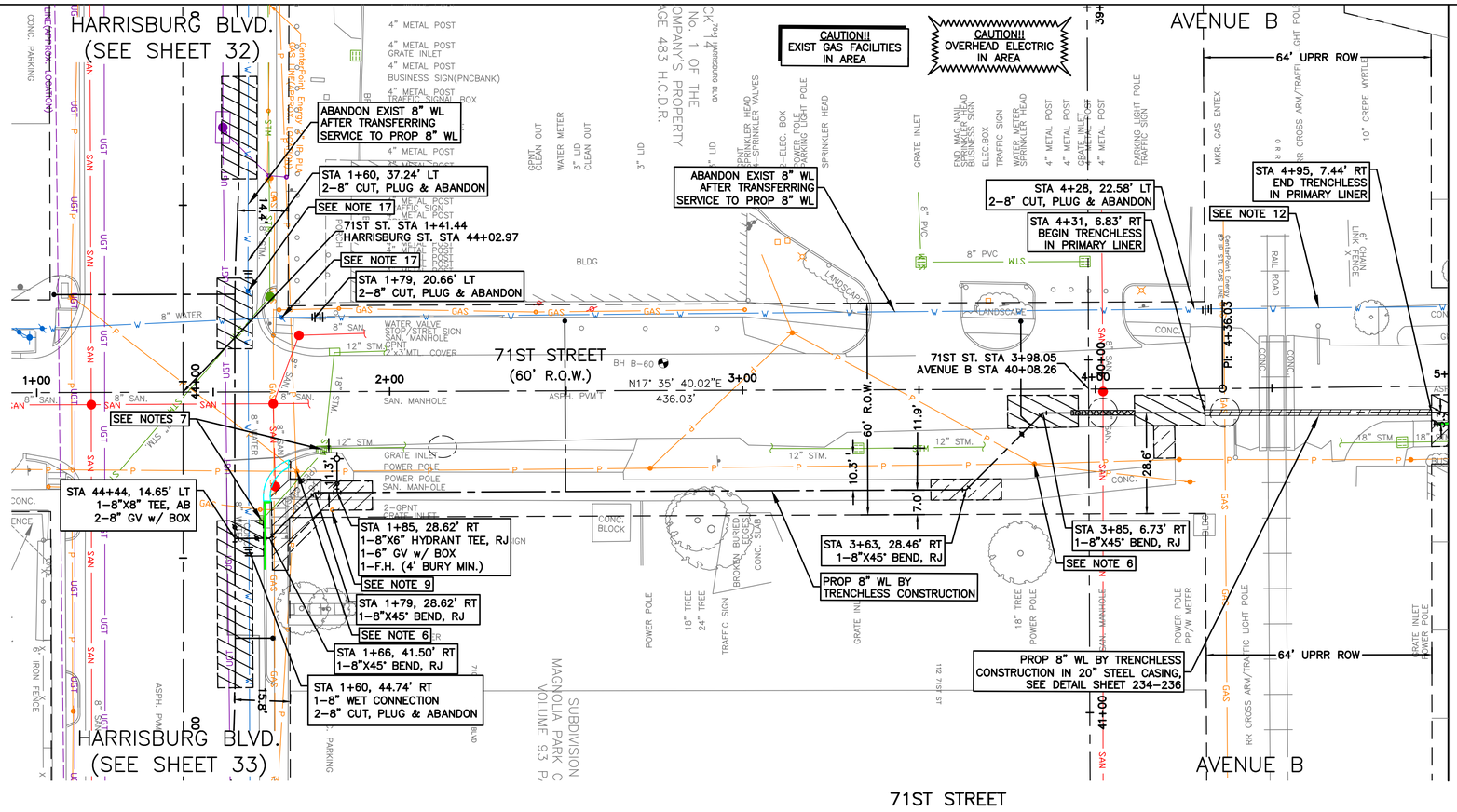
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 172 OF 318	



SEE SHEET 174
FOR PROFILE VIEW

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS.
11. CONTRACTOR SHALL CONTACT RAILPROS FIELD SERVICES REPRESENTING UNION PACIFIC RAILROAD (UPRR) AT 682–223–5271 AT LEAST 10 DAYS PRIOR TO CONSTRUCTION AROUND UPRR FACILITIES OR RIGHT–OF–WAY.
12. CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING OF CRITICAL STRUCTURES ADJACENT TO THE WATER LINE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SETTLEMENT MITIGATION, AS NECESSARY. SETTLEMENT MONITORING AND MITIGATION ARE INCIDENTAL TO WATER LINE CONSTRUCTION. SEE SPEC SECTION 02425.
13. REFER TO SPEC SECTION 01110 FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AROUND UPRR FACILITIES AND RIGHT–OF–WAY.
14. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO REMOVE AND RESTORE EXISTING TRAFFIC SIGN TO SAME OR BETTER CONDITION.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

71ST STREET
PLAN VIEW
STA. 1+00 TO STA. 5+00
(SHEET 1 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 173 OF 318	

PLOTTED: 12/12/2025 1:46 PM
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PLOTTED: 12/12/2025 1:46 PM

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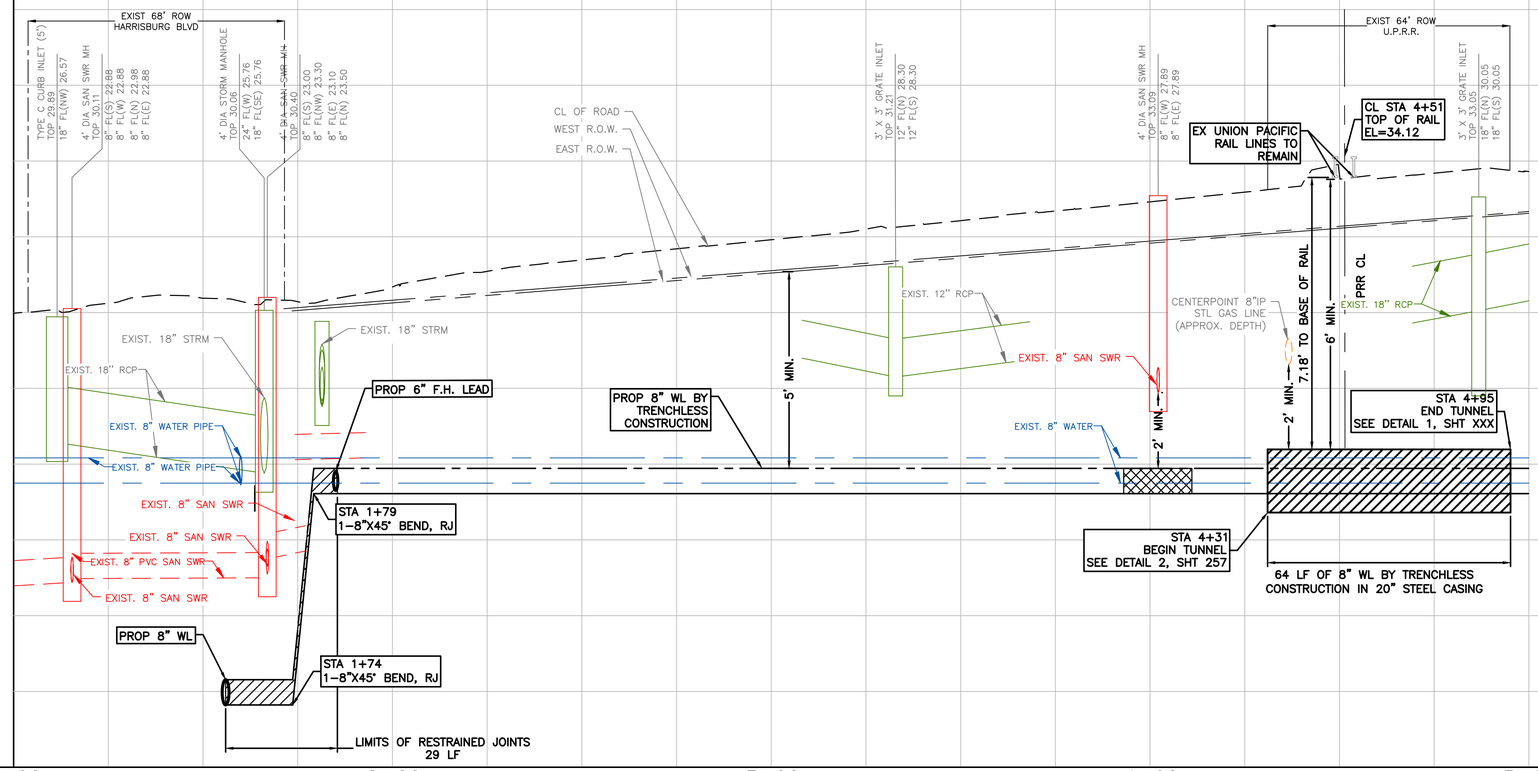
NO.	DATE	REVISION	APP.

SEE SHEET 173
FOR PLAN VIEW



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TEXAS REGISTRATION No.107085

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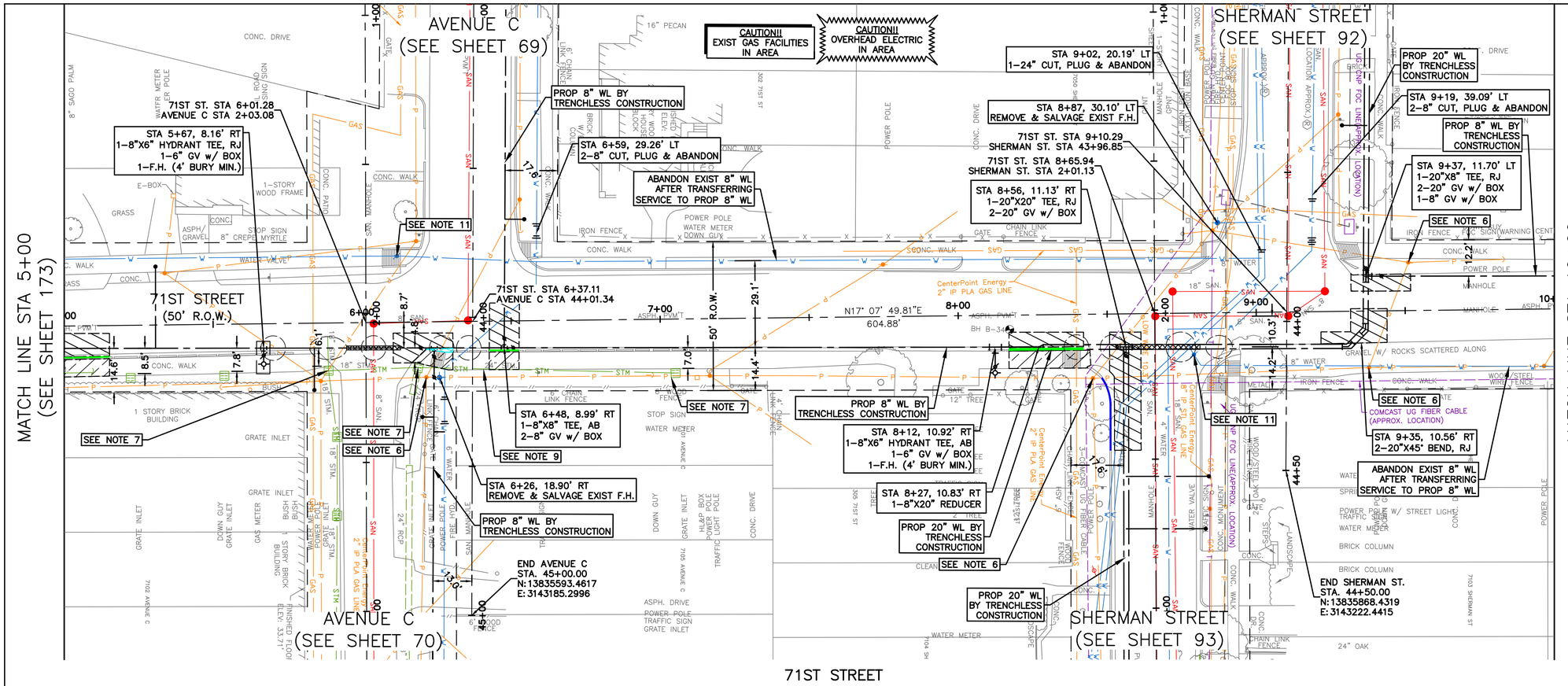
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

71ST STREET
PROFILE VIEW
STA. 1+00 TO STA. 5+00
(SHEET 2 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 174 OF 318	



SEE SHEET 176
FOR PROFILE VIEW

NOTES CONT'D:

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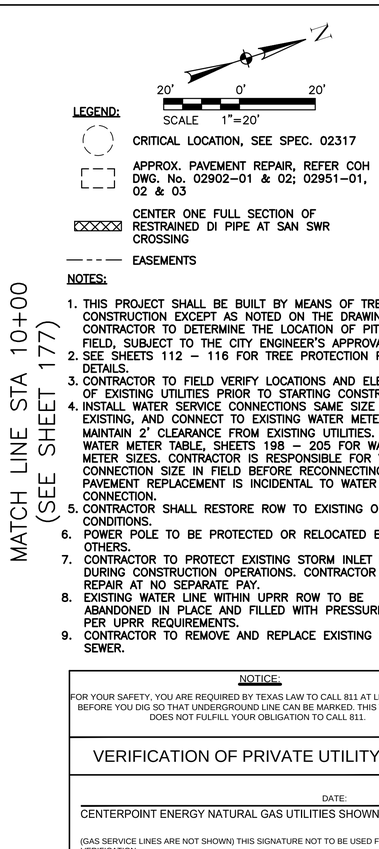

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7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. EXISTING WATER LINE WITHIN UPRR ROW TO BE ABANDONED IN PLACE AND FILLED WITH PRESSURE GROUT PER UPRR REQUIREMENTS.
9. CONTRACTOR TO REMOVE AND REPLACE EXISTING STORM SEWER.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

71ST STREET
PLAN VIEW
STA. 5+00 TO STA. 10+00
(SHEET 3 OF 6)

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SHEET NO. 175 OF 318	

PLOTTED: 12/12/2025 1:47 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20–0166.0–PD–PLAN AND PROFILE – 71ST.dwg

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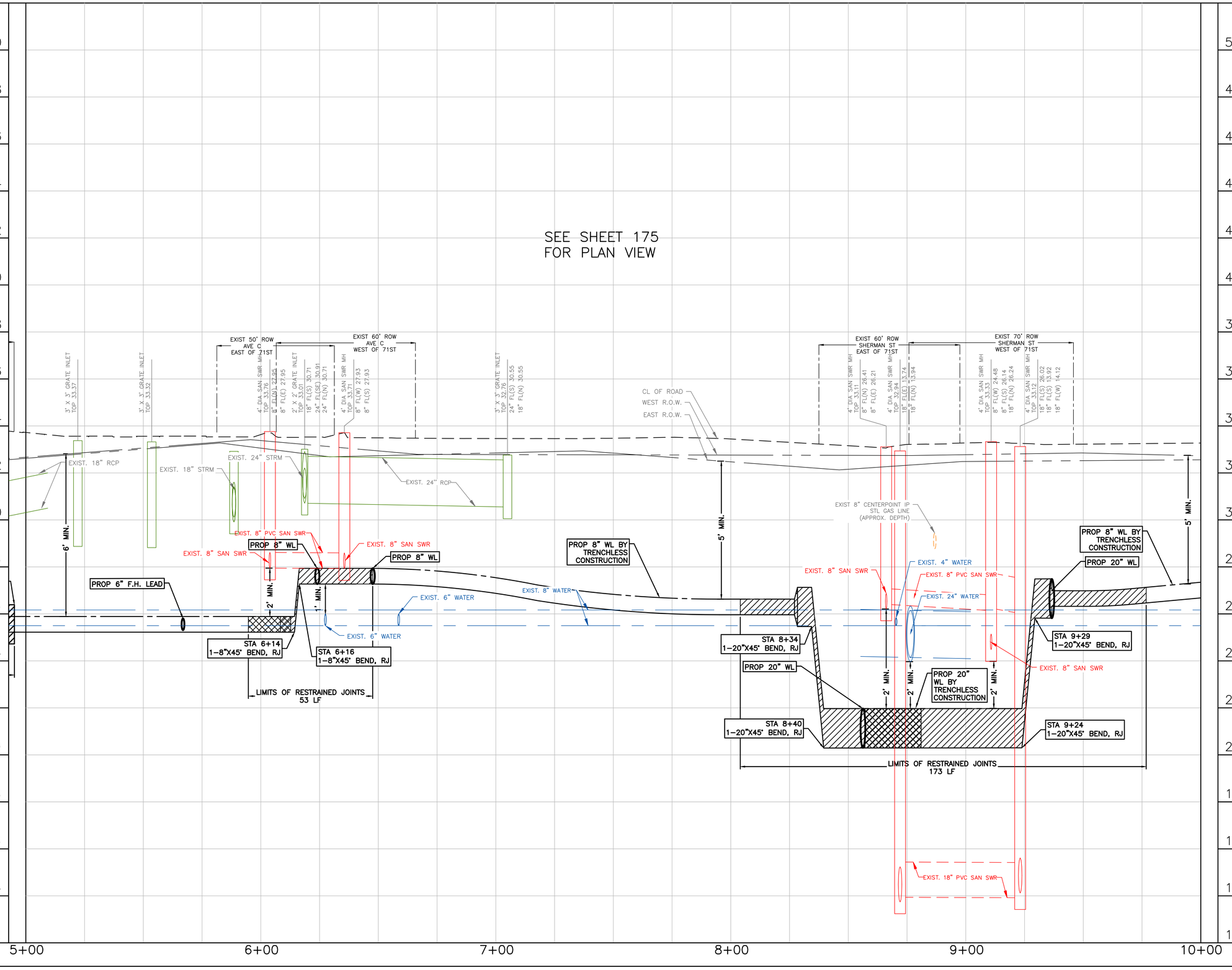
SEE SHEET 175
FOR PLAN VIEW



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71ST STREET
PROFILE VIEW
STA. 5+00 TO STA. 10+00
(SHEET 4 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 176 OF 318	

PLOTTED: 12/12/2025 1:47 PM

FILE PATH: J:\cohoustonpwe\200000166.000_wi Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 71ST.dwg

R LINE.

MATCH LINE STA 10+00 (SEE SHEET 175)

AVENUE E (SEE SHEET 114)

AVENUE F (SEE SHEET 130)

MATCH LINE STA 15+00 (SEE SHEET 178)

AVENUE E (SEE SHEET 115)

AVENUE F (SEE SHEET 131)

71ST STREET

71ST STREET (50' R.O.W.)

58' R.O.W.

STA 41+06, 3.87' LT
1–2" CUT, PLUG & ABANDON

STA 11+97, 53.96' LT
2–12" CUT, PLUG & ABANDON
2–2" CUT, PLUG & ABANDON

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 12+09, 32.02' LT
1–8"X6" HYDRANT TEE, AB
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

STA 12+09, 9.96' LT
1–12"X12" TEE, RJ
2–12" GV w/ BOX

PROP 12" WL BY TRENCHLESS CONSTRUCTION

STA 12+34, 9.85' LT
1–8"X12" REDUCER, RJ

SEE NOTE 6

SEE NOTE 9

STA 11+48, 10.20' LT
1–12"X12" TEE, RJ
2–12" GV w/ BOX

STA 11+36, 10.25' LT
1–8"X12" REDUCER, RJ

PROP 8" WL BY TRENCHLESS CONSTRUCTION

PI: 10+40.91

N17° 29' 27.69"E
783.98'

71ST ST. STA 11+26.30
AVENUE E STA 1+99.75

71ST ST. STA 11+86.29
AVENUE E STA 41+55.99

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

SEE NOTE 6

SEE NOTE 9

STA 11+38, 30.74' RT
REMOVE & SALVAGE EXIST F.H.

PROP 8" WL BY TRENCHLESS CONSTRUCTION

END AVENUE E
STA. 42+00.00
N:13836134.7843
E:3143295.9293

CAUTION!!
EXIST GAS FACILITIES IN AREA

CAUTION!!
OVERHEAD ELECTRIC IN AREA

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 14+23, 31.24' LT
1–6" CUT, PLUG & ABANDON

SEE NOTE 9

SEE NOTE 7

STA 13+76, 9.30' LT
1–8"X8" TEE, RJ
2–8" GV w/ BOX

SEE NOTE 6

PROP 8" WL BY TRENCHLESS CONSTRUCT

STA 14+56, 8.98' LT
1–8"X8" TEE, RJ
2–8" GV w/ BOX

SEE NOTE 7

71ST ST. STA 13+85.78
AVENUE F STA 1+99.48

71ST ST. STA 14+43.78
AVENUE F STA 42+26.52

PROP 8" WL BY TRENCHLESS CONSTRUCTION

END AVENUE F
STA. 43+00.00
N:13836371.1784
E:3143401.3081

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTES CONT'D:

9. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING TS&V CONNECTION. CONTRACTOR TO COORDINATE SHUTDOWN OF EXISTING 8" WL WITH THE CITY PRIOR TO CUT, PLUG, & ABANDON OF EXISTING 8" WL.

EXIST 60' ROW AVE E EAST OF 71ST

EXIST 60' ROW AVE E WEST OF 71ST

EXIST 60' ROW AVE F EAST OF 71ST

EXIST 60' ROW AVE F WEST OF 71ST

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

4" DIA. SAN SWR MH TOP 34.14 8" FL(N) 26.44 8" FL(E) 26.44

4" DIA. SAN SWR MH TOP 33.84 8" FL(W) 25.84 8" FL(S) 26.04

TYPE C CURB INLET (5') TOP 31.38 12" FL(W) 29.08

4" DIA STORM MANHOLE TOP 33.26 12" FL(NW) 29.16 12" FL(NE) 29.16 12" FL(S) 29.21 21" FL(E) 28.96

TYPE C CURB INLET (5') TOP 31.56 12" FL(W) 28.85 12" FL(S) 28.85

TYPE C CURB INLET (5') TOP 32.07 12" FL(SW) 29.57

4" DIA. SAN SWR MH TOP 33.07 8" FL(W) 28.27 8" FL(S) 28.27

TYPE C CURB INLET (5') TOP 31.92 12" FL(S) 29.43

EXIST. 8" PVC SAN SWR
EXIST. 8" SAN SWR
EXIST. 8" WATER
EXIST. 12" WATER
EXIST. 18" STRM
EXIST. 12" RCP
EXIST. 12" WATER PIPE

5' MIN.
2' MIN.

STA 11+34
1–12"X45° BEND, RJ

PROP 12" WL

STA 11+37
1–12"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
109 LF

PROP 12" WL BY TRENCHLESS CONSTRUCTION

STA 12+19
1–12"X45° BEND, RJ

PROP 12" WL

STA 12+16
1–12"X45° BEND, RJ

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 13+53
1–8"X45° BEND, RJ

STA 13+54
1–8"X45° BEND, RJ

PROP 8" WL

PROP 8" WL

STA 14+76
1–8"X45° BEND, RJ

STA 14+77
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
136 LF

10+00 11+00 12+00 13+00 14+00 15+00

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

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DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

71ST STREET
PLAN AND PROFILE
STA. 10+00 TO STA. 15+00
(SHEET 5 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 177 OF 318	

NO.	DATE	REVISION	APP.

PLOTTED: 12/12/2025 1:48 PM
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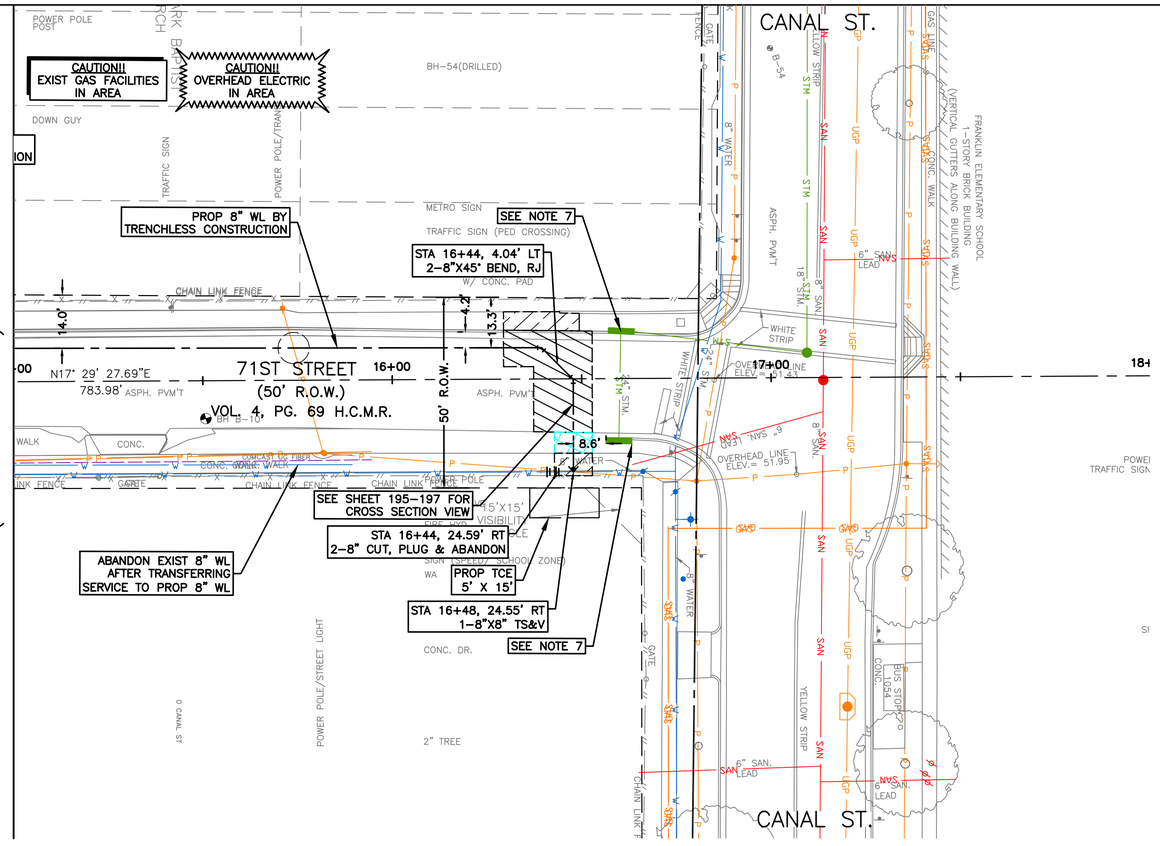

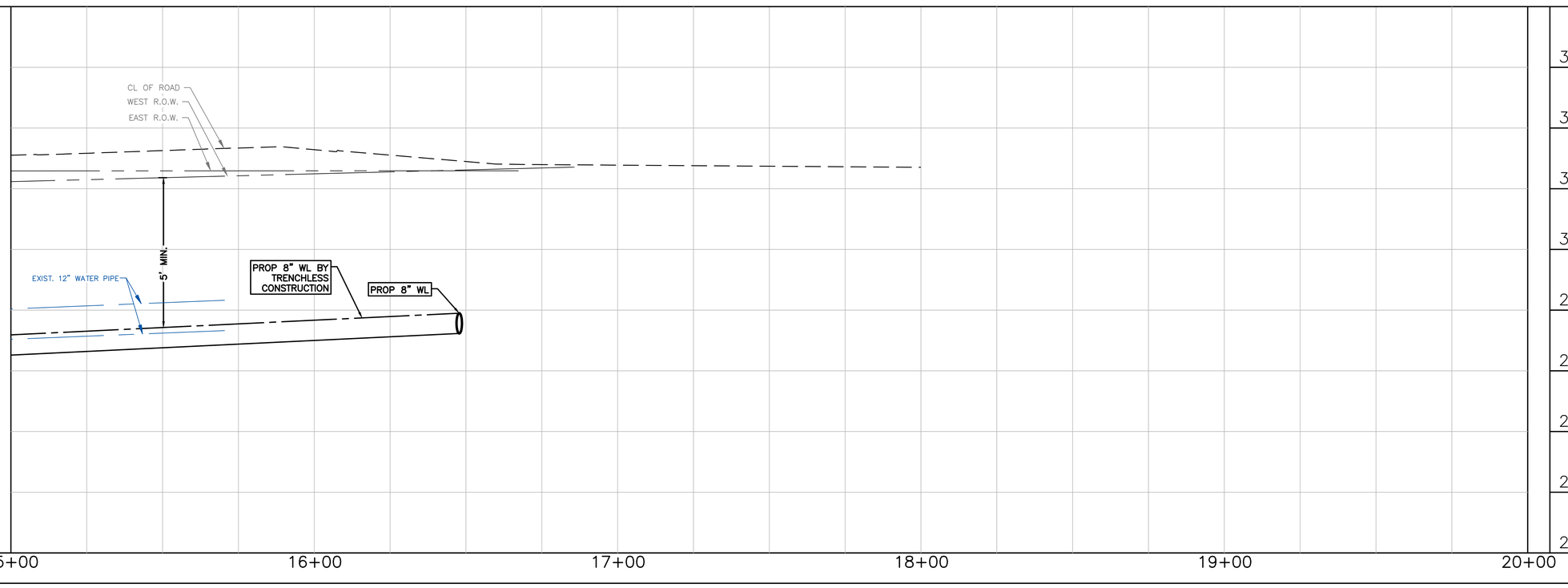

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

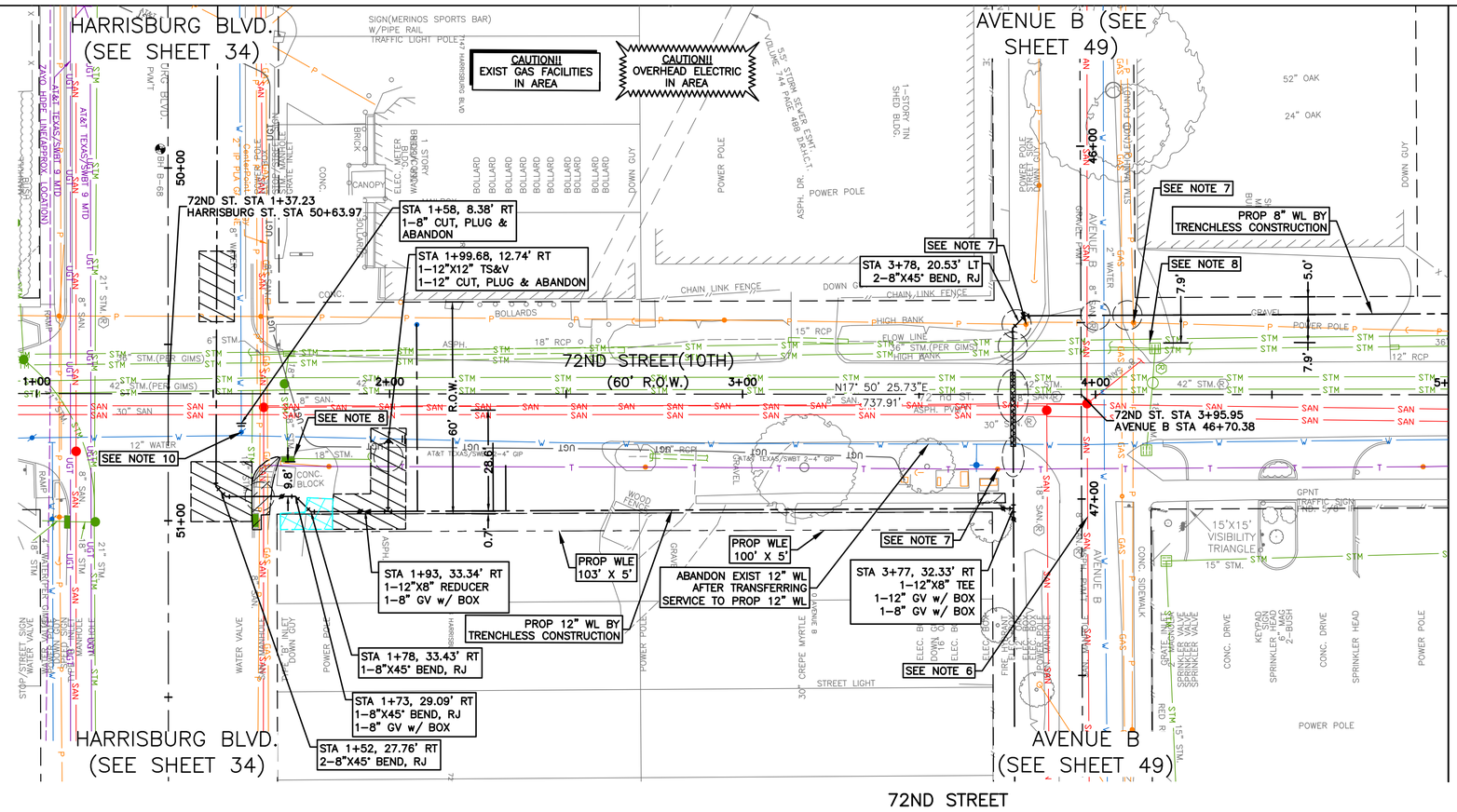
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

71ST STREET
PLAN AND PROFILE
STA. 15+00 TO STA. 18+00
(SHEET 6 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 178 OF 318	



SEE SHEET 180
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. CONTRACTOR SHALL REPLACE MIN 18 FT OF SANITARY SEWER WITH PRESSURE RATED PIPE CENTERED ON PROP WATER LINE.
7. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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DATE:

AT&T
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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
PLAN VIEW
STA. 1+00 TO STA. 5+00
(SHEET 1 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 179 OF 318	

PLOTTED: 12/12/2025 1:50 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 72ND.dwg

PLOTTED: 12/12/2025 1:51 PM

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SEE SHEET 179
FOR PLAN VIEW

EXIST 67' ROW
HARRISBURG BLVD

TYPE C CURB INLET (5')
TOP 30.78
18" FL(W) 27.10

4' DIA SAN SWR MH
TOP 30.76
8" FL(W) 27.15
8" FL(E) 26.96
8" FL(N) 27.05

4' DIA STORM MANHOLE
TOP 30.34
42" FL(S) 19.61
18" FL(E) 25.75
42" FL(N) 19.61
18" FL(NW) 25.75

TYPE C CURB INLET (5')
TOP 30.22
18" FL(N) 28.02
18" FL(W) 27.52

3' X 3' GRATE INLET
TOP 30.11
18" FL(SE) 25.90
18" FL(N) 27.20
35" FL(E) 24.60
6" FL(S) 28.40

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

4' DIA SAN SWR MH
TOP 32.93
8" FL(W) 22.50
30" FL(S) –3.70
18" FL(E) 22.50
42" FL(N) –3.70

EXIST 45' ROW
AVE B

4' DIA SAN SWR MH
TOP 33.16
8" FL(W) 26.56
8" FL(S) 26.16
8" FL(E) 26.46
6" FL(N) 28.46

3' X 3' GRATE INLET
TOP 32.49
18" FL(NW) 28.59

4' DIA STORM MANHOLE
TOP 33.08
42" FL(S) 20.89
42" FL(W) 24.50
18" FL(SE) 24.50
42" FL(N) 20.89

5' MIN.

EXIST. 12" WATER

EXIST 8" CENTERPOINT GAS
LINE (DEPTH NOT VERIFIED)

PROP 12" WL BY
TRENCHLESS
CONSTRUCTION

PROP 8" WL

EXIST. 8" SAN SWR

EXIST. 18" STRM

EXIST. 8" WATER PIPE

EXIST. 8" PVC SAN SWR

PROP 12" WL

STA 1+88
1–8"X45° BEND, RJ

EXIST. 12" WATER PIPE

EXIST. 24" STRM

EXIST. 18" STRM

EXIST. 36" STRM

PROP 8" WL

EXIST. 10" SAN SWR

EXIST. 8" SAN SWR

EXIST. 18" SAN SWR

EXIST. 36" RCP

EXIST. 42" RCP

PROP 8" WL

STA 1+79
1–8"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
42 LF

1+00 2+00 3+00 4+00 5+00 6+00

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

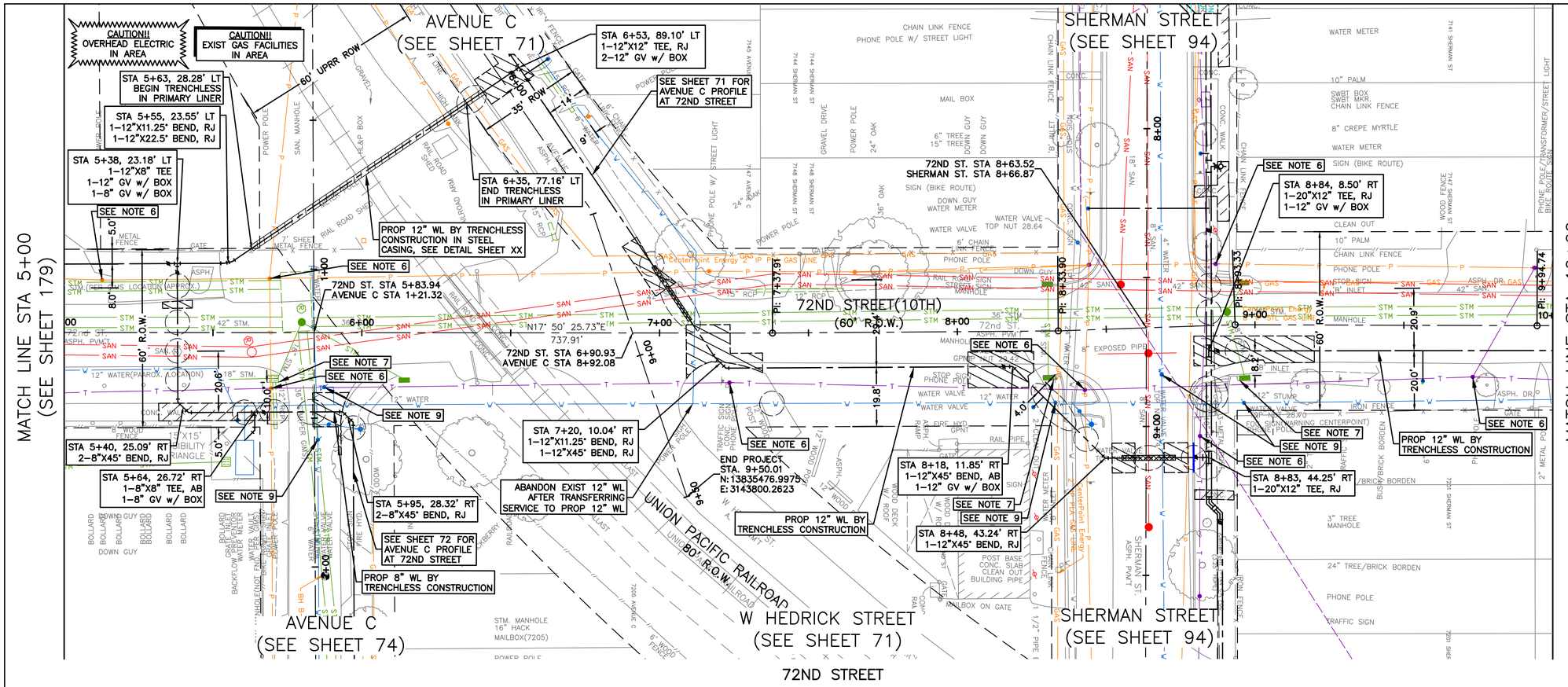
SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
PROFILE VIEW
STA. 1+00 TO STA. 5+00
(SHEET 2 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 180 OF 318	



SEE SHEETS 182–183
FOR PROFILE VIEW

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATER LINE SERVICE FROM EXISTING WATER LINE TO PROPOSED WATER LINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG AND ABANDON OF WATER LINE.

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
PLAN VIEW
STA. 5+00 TO STA. 10+00
(SHEET 3 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 181 OF 318	

PLOTTED: 12/12/2025 1:51 PM

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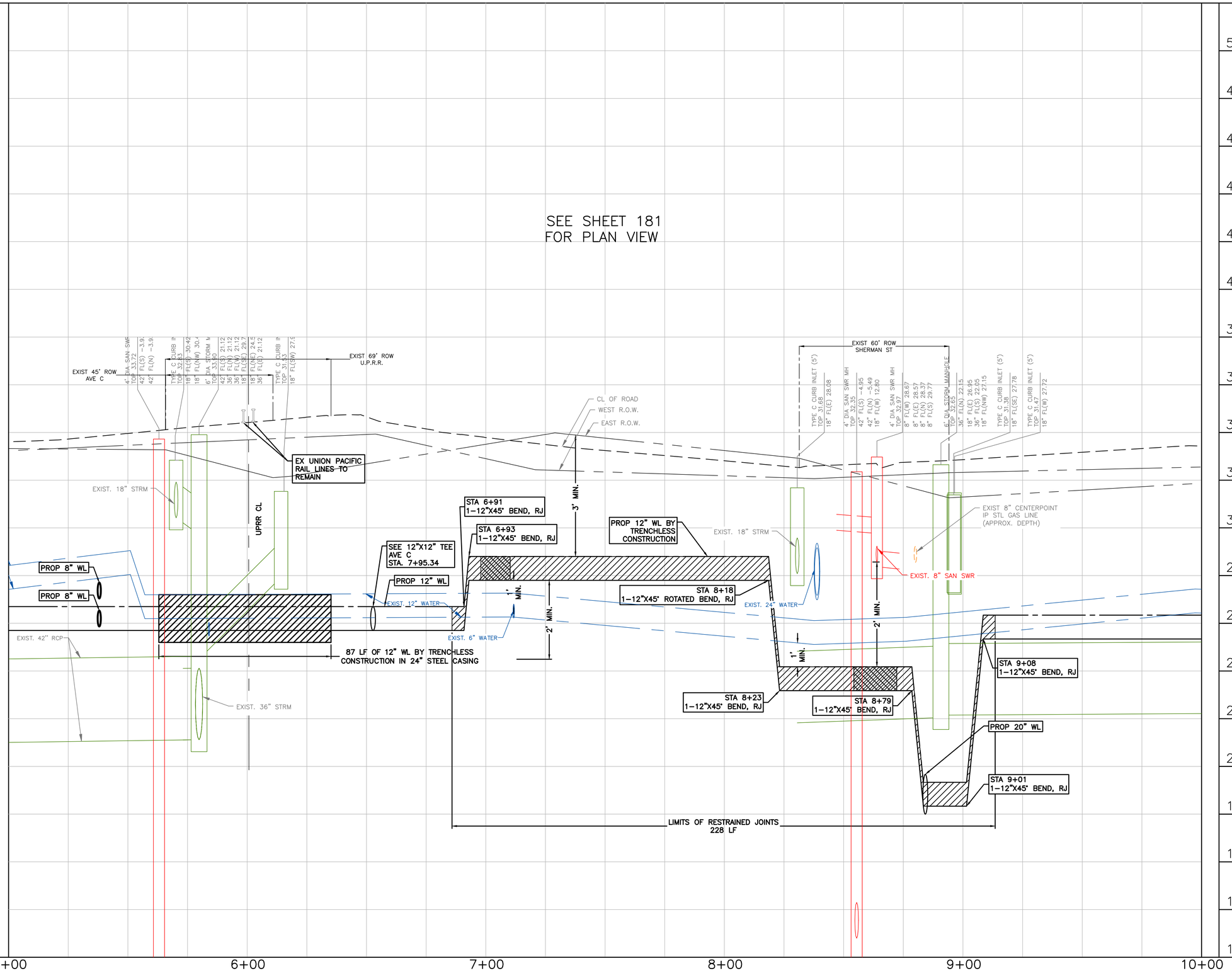
PLOTTED: 12/12/2025 1:51 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 72ND.dwg



NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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CITY OF HOUSTON

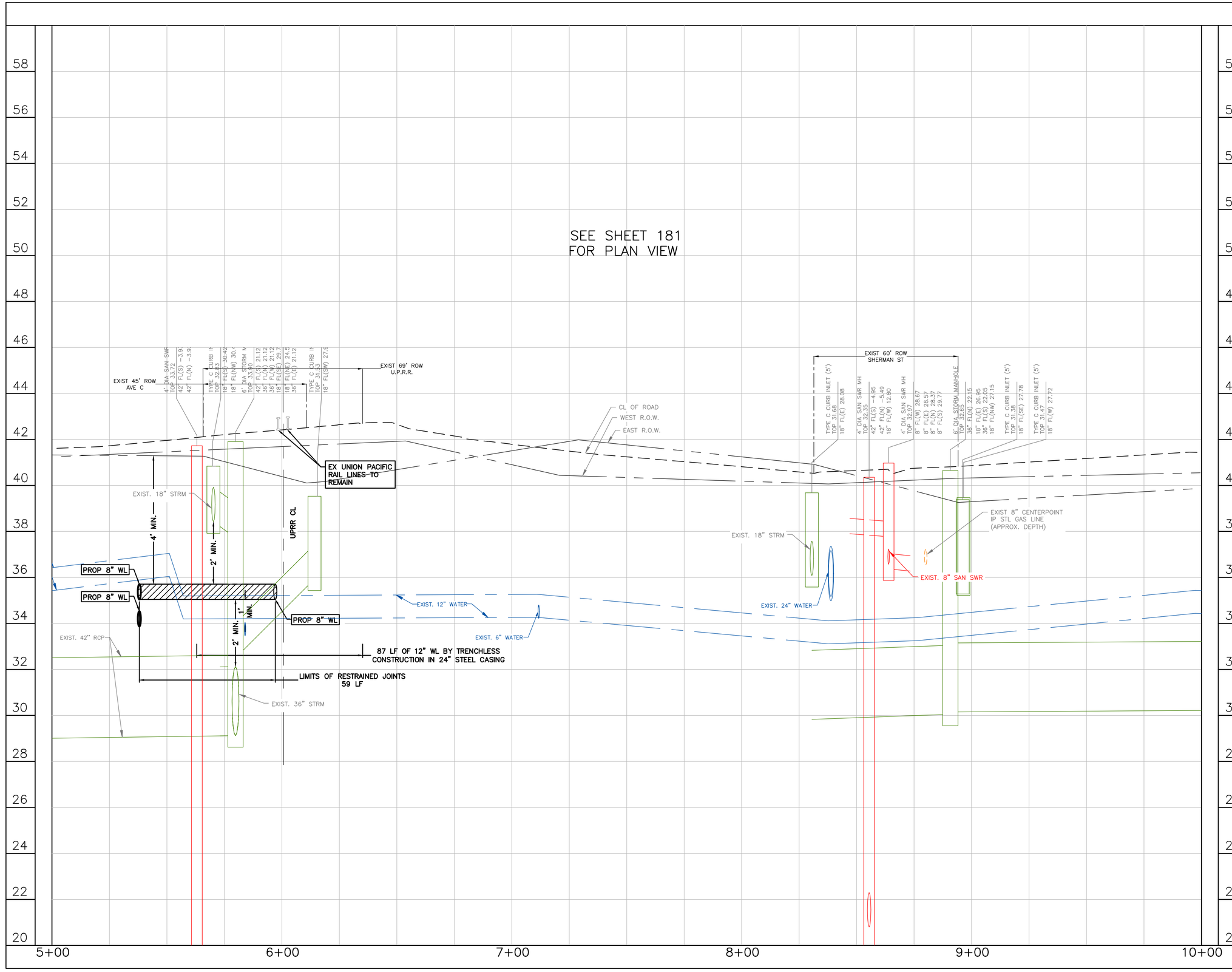
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
NORTH ROW PROFILE VIEW
STA. 5+00 TO STA. 10+00
(SHEET 4 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 182 OF 318	

PLOTTED: 12/12/2025 1:52 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 72ND.dwg



NO.	DATE	REVISION	APP.

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DATE:

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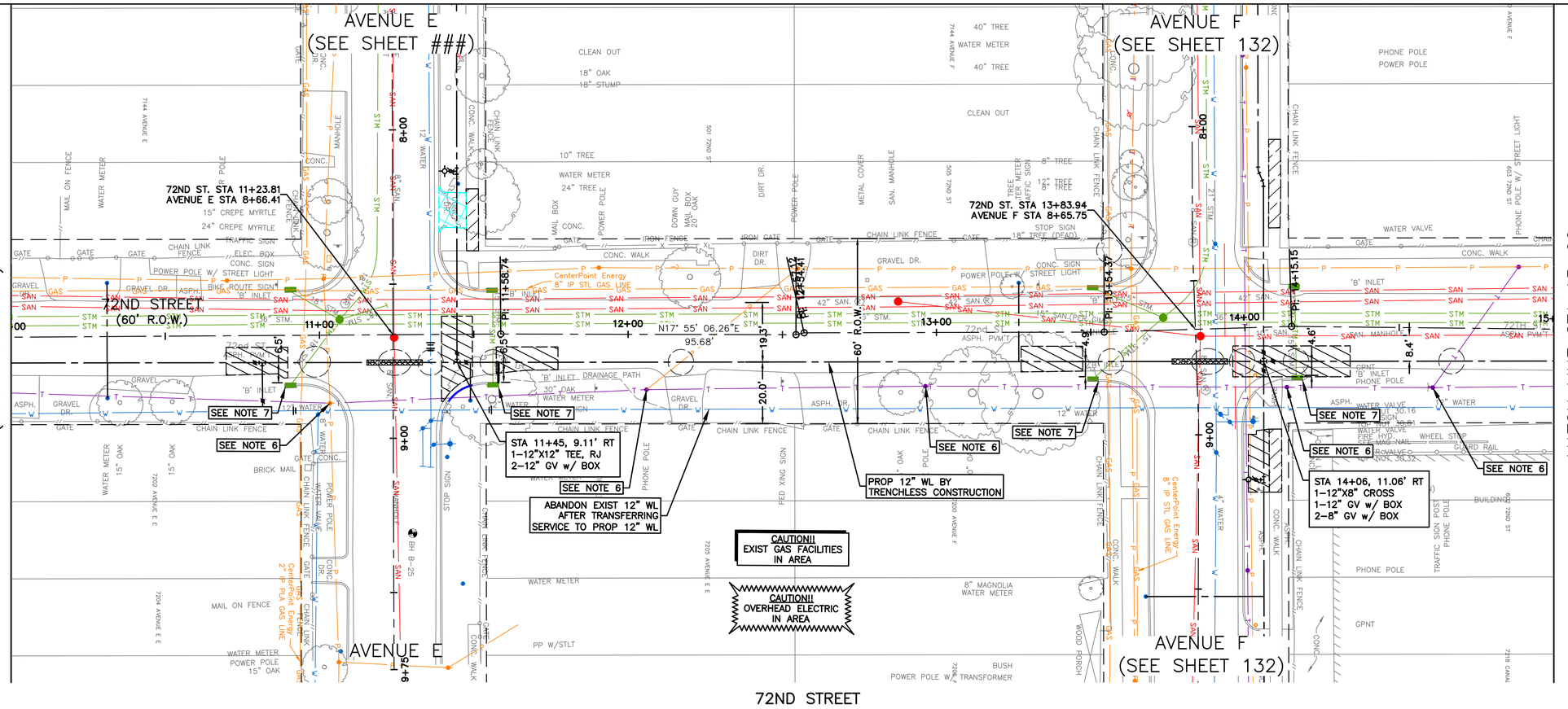
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
SOUTH ROW PROFILE VIEW
STA. 5+00 TO STA. 10+00
(SHEET 5 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 183 OF 318	



SEE SHEET 185
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
PLAN VIEW
STA. 10+00 TO STA. 15+00
(SHEET 6 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 184 OF 318	

PLOTTED: 12/12/2025 1:52 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 72ND.dwg

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FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 72ND.dwg

SEE SHEET 184
FOR PLAN VIEW

EXIST 60' ROW AVE E

TYPE C CURB INLET (5')
TOP 32.02
18" FL(NE) 28.38

TYPE C CURB INLET (5')
TOP 32.66
18" FL(W) 28.42

4' DIA STORM MANHOLE
TOP 32.48
36" FL(N) 22.33
18" FL(NW) 28.38
36" FL(S) 22.28
18" FL(SE) 27.28
18" FL(SW) 27.28

4' DIA STORM MANHOLE
TOP 33.00
18" FL(W) 26.47
18" FL(SE) 26.47

4' DIA SAN SWR MH
TOP 32.81
8" FL(W) 28.17
8" FL(E) 28.22

TYPE C CURB INLET (5')
TOP 32.04
15" FL(W) 28.23

TYPE C CURB INLET (5')
TOP 32.04
15" FL(E) 28.23

CL OF ROAD
WEST R.O.W.
EAST R.O.W.

4' DIA SAN SWR MH
TOP 33.01
42" FL(S) 2.01
42" FL(N) 2.01
15" FL(NE) 12.75

TYPE C CURB INLET (5')
TOP 31.66
15" FL(NW) 28.08

TYPE C CURB INLET (5')
TOP 31.89
15" FL(NE) 28.38

EXIST 60' ROW AVE F

4' DIA STORM MANHOLE
TOP 32.94
21" FL(N) 27.24
15" FL(SE) 27.24
15" FL(SW) 27.24
36" FL(S) 22.74
36" FL(W) 22.74

4' DIA SAN SWR MH
TOP 32.94
10" FL(N) 15.85
8" FL(W) 28.35
15" FL(SW) 15.85
8" FL(E) 26.55

TYPE C CURB INLET (5')
TOP 31.64
15" FL(E) 27.94

TYPE C CURB INLET (5')
TOP 31.61
15" FL(W) 28.35

EXIST. 18" STRM
EXIST. 8" SAN SWR
EXIST. 15" STRM
EXIST. 18" STRM
EXIST. 12" WATER
EXIST. 12" WATER PIPE
EXIST. 36" STRM
EXIST. 36" STRM
EXIST. 15" STRM
EXIST. 8" SAN SWR
EXIST. 10" PVC SAN SWR
EXIST. 15" PVC SAN SWR

5' MIN.
2' MIN.
2' MIN.
1' MIN.
2' MIN.
2' MIN.
2' MIN.
2' MIN.

PROP 12" WL BY TRENCHLESS CONSTRUCTION

STA 10+84
1-12"X45° BEND, RJ

STA 10+85
1-12"X45° BEND, RJ

PROP 12" WL

STA 11+63
1-12"X45° BEND, RJ

STA 11+61
1-12"X45° BEND, RJ

LIMITS OF RESTRAINED JOINTS
89 LF

STA 13+39
1-12"X45° BEND, RJ

STA 13+45
1-12"X45° BEND, RJ

STA 14+23
1-12"X45° BEND, RJ

STA 14+16
1-12"X45° BEND, RJ

PROP 8" WL

LIMITS OF RESTRAINED JOINTS
94 LF

10+00 11+00 12+00 13+00 14+00 15+00

NO.	DATE	REVISION	APP.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

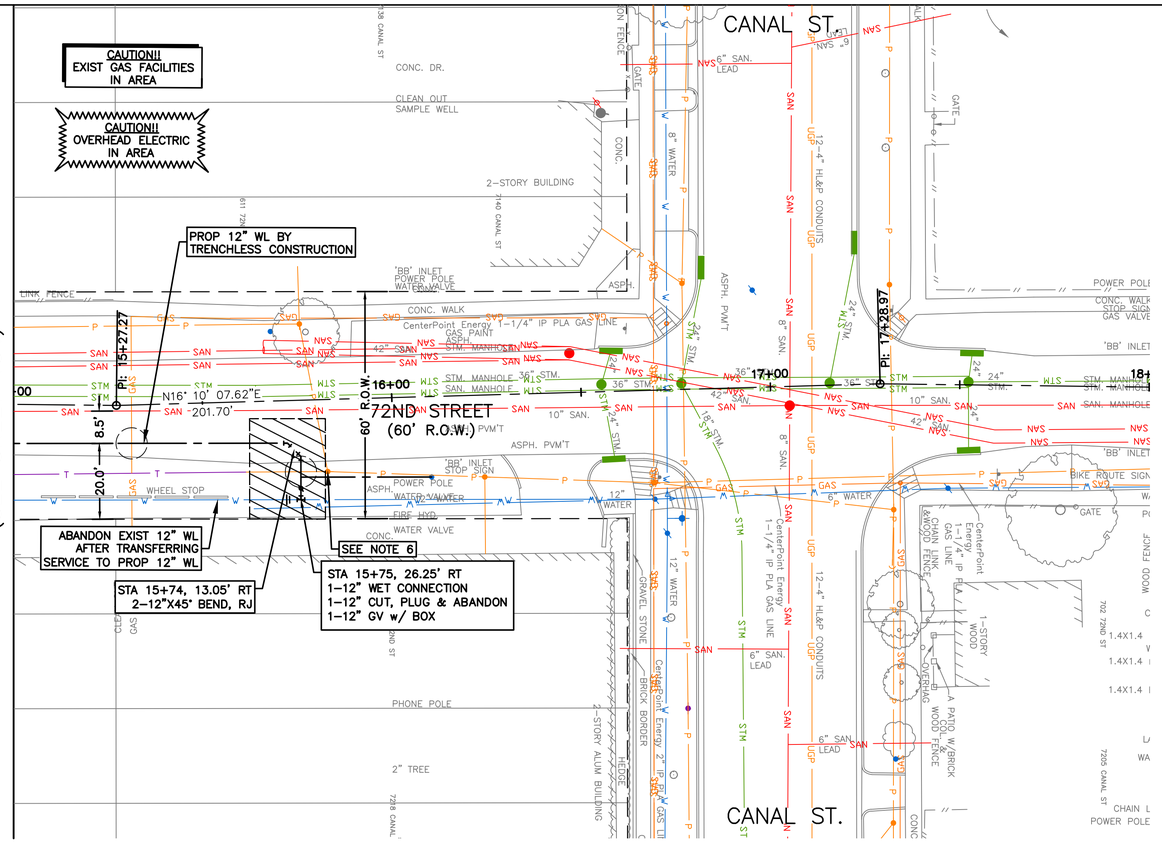
72ND STREET
PROFILE VIEW
STA. 10+00 TO STA. 15+00
(SHEET 7 OF 8)

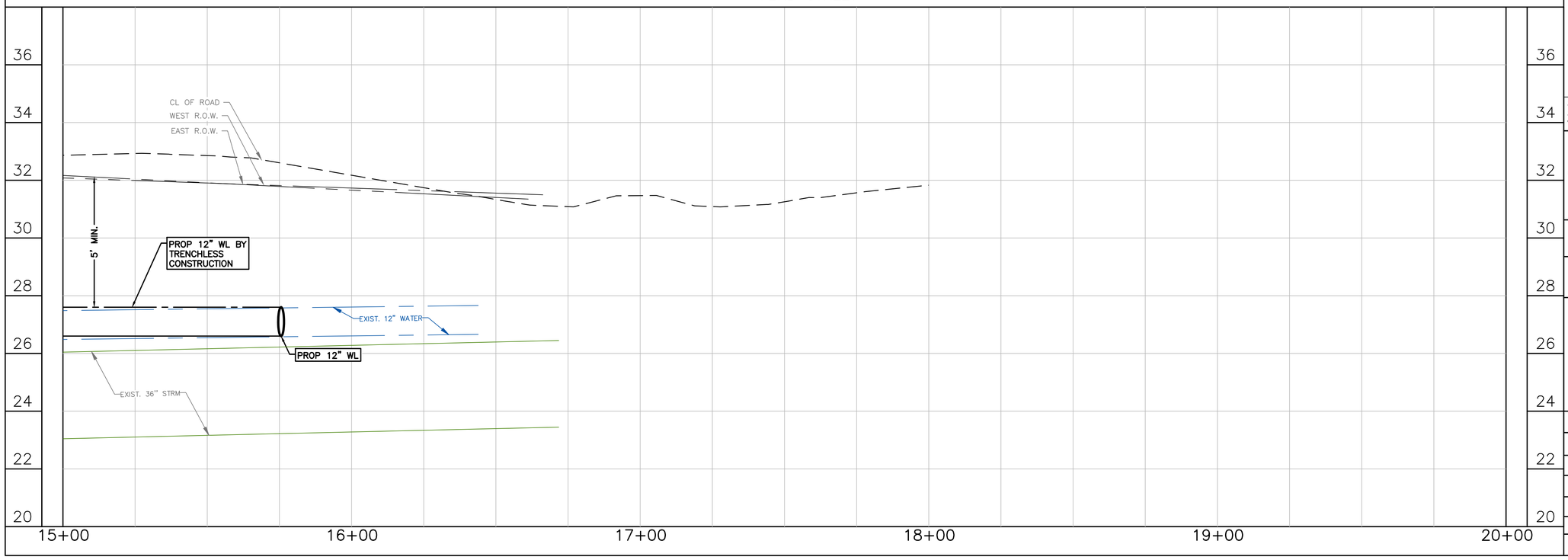
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 185 OF 318	

PLOTTED: 12/12/2025 1:53 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 72ND.dwg

MATCH LINE STA 15+00
(SEE SHEET 184)





20' 0' 20'
SCALE 1"=20'

NO.	DATE	REVISION	APP.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.

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VERIFICATION OF PRIVATE UTILITY LINES

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

72ND STREET
PLAN AND PROFILE
STA. 15+00 TO STA. 18+00
(SHEET 8 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
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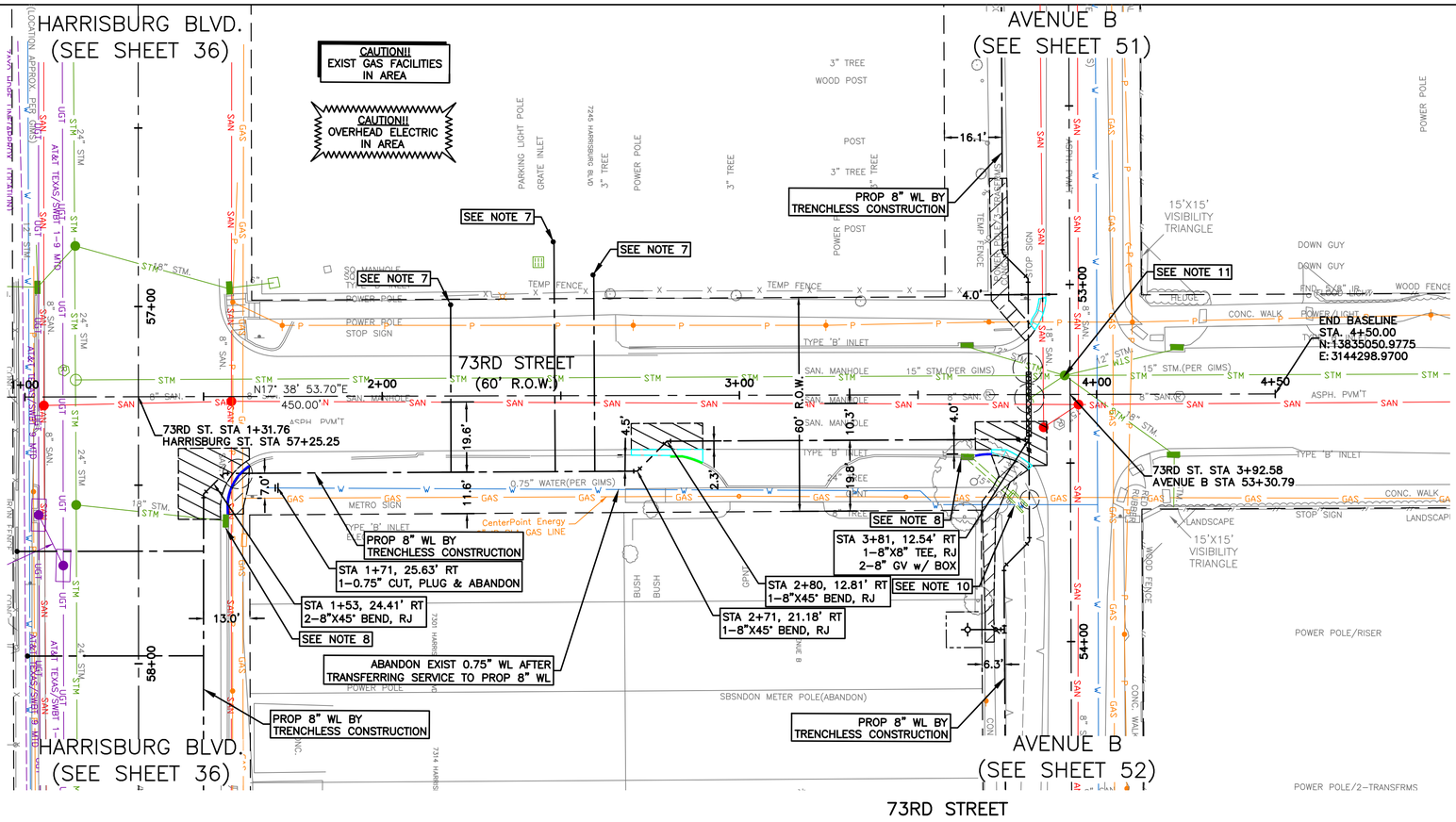

SEE SHEET 188
FOR PROFILE VIEW

20' 0' 20'
SCALE 1"=20'

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
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- EASEMENTS

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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. CONTRACTOR TO REMOVE AND REPLACE EXISTING STORM SEWER USING CONCRETE COLLARS FOR CONSTRUCTION OF PROPOSED WATER LINE. SEE DETAIL SHEET 234–236.
7. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.

NOTES CONT'D:

8. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
9. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WL WITH THE CITY.
10. CONTRACTOR TO REMOVE EXISTING STORM SET AND PROVIDE TEMPORARY BY–PASS PUMPING DURING INSTALLATION OF WL TO MAINTAIN A DRY PIT AND POSITIVE DRAINAGE FOR THE AREA.
11. CONTRACTOR TO FIELD VERIFY STORM SEWER PIPE CONFIGURATION , INVERTS, AND PIPE SIZES PRIOR TO STARTING TRENCHLESS ACTIVITY IN THE INTERSECTION.
12. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

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THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

73RD STREET
PLAN VIEW
STA. 1+00 TO STA. 5+00
(SHEET 1 OF 2)

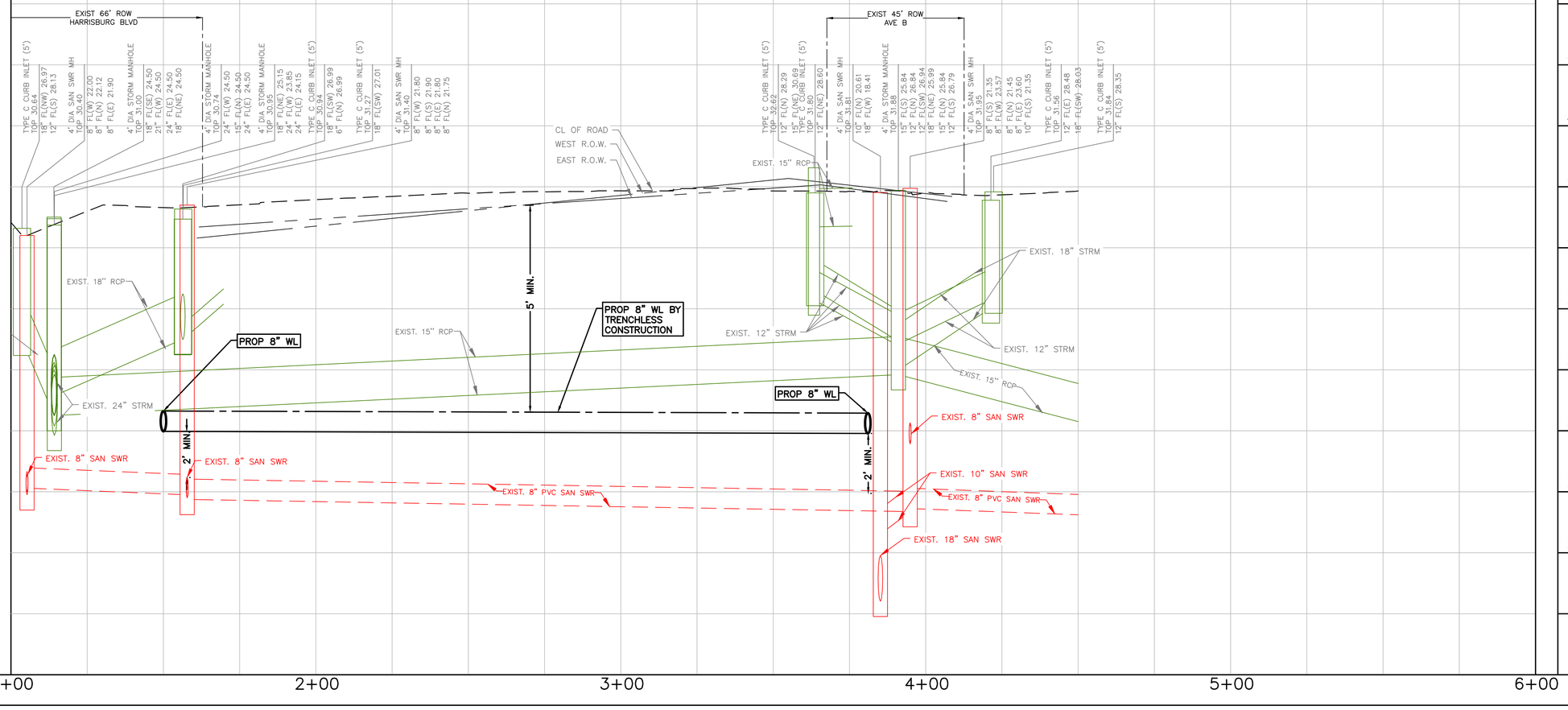
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 187 OF 318	

PLOTTED: 12/12/2025 1:54 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 73RD.dwg

PLOTTED: 12/12/2025 1:54 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wi Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 73RD.dwg

SEE SHEET 187
FOR PLAN VIEW



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

73RD STREET
PROFILE VIEW
STA. 1+00 TO STA. 5+00
(SHEET 2 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
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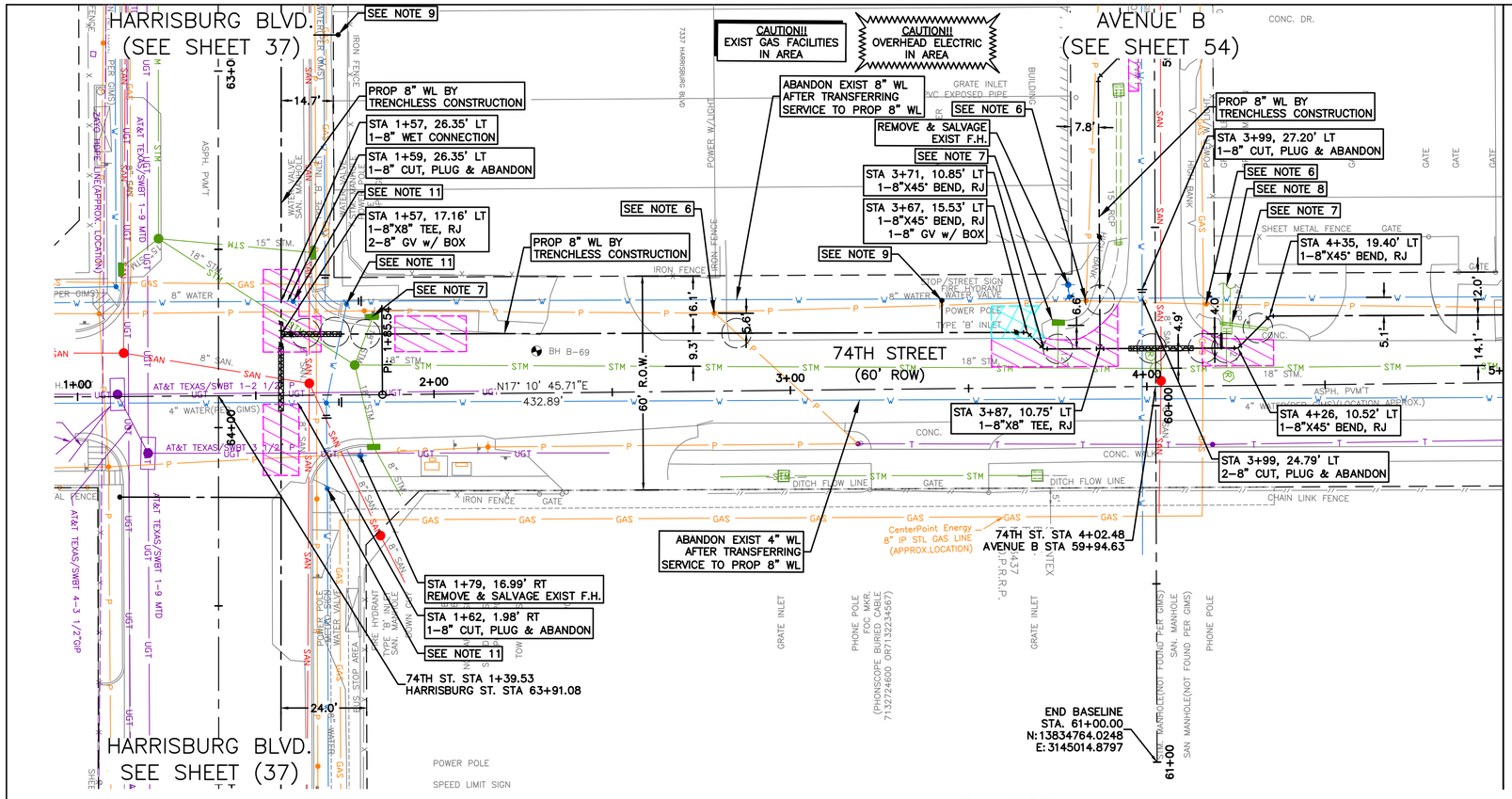
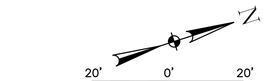
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 188 OF 318	

PLOTTED: 12/12/2025 1:55 PM

FILE PATH: J:\cohoustonpwe\200000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 74TH.dwg





LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902-01 & 02; 02951-01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO REPAIR AT NO SEPARATE PAY.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING WET CONNECTION. CONTRACTOR TO CONFIRM SHUT DOWN OF EXISTING WATER LINE WITH THE CITY.

NOTES CONT'D:

9. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
10. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.
11. METER IS NOT FIELD VERIFIED. CONTRACTOR TO CONFIRM LOCATION OF METER PRIOR TO INSTALLING CONNECTION. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR DISCREPANCIES.

NO.	DATE	REVISION	APP.

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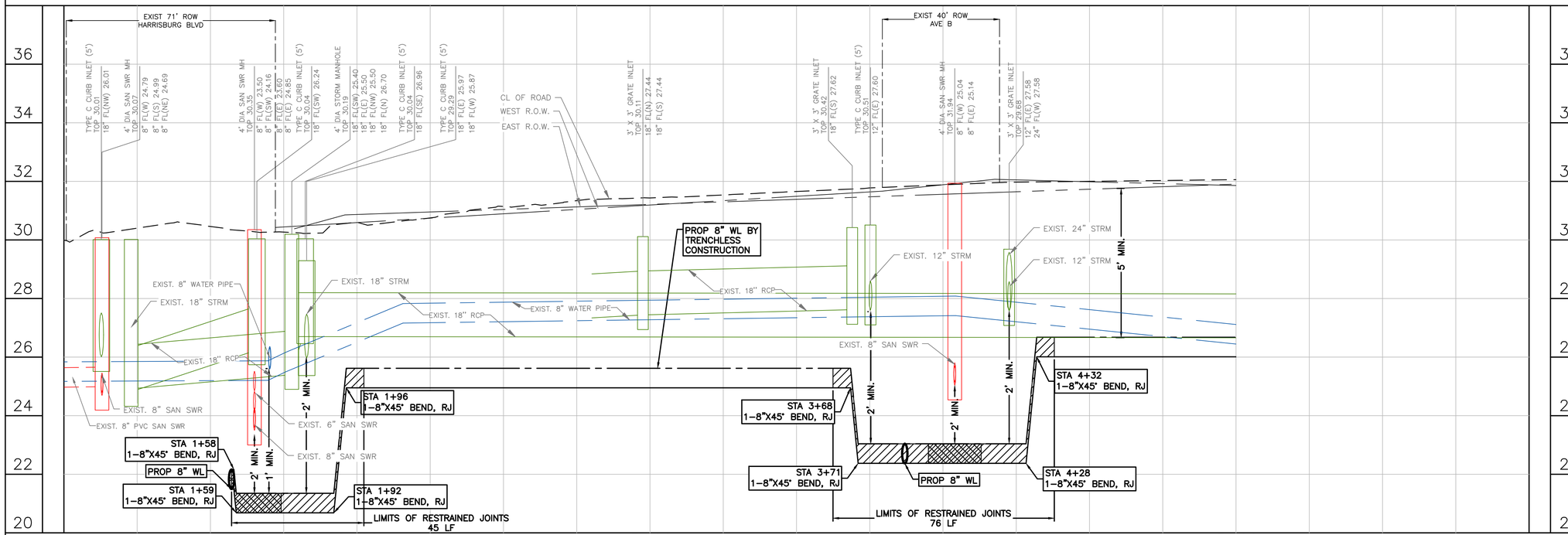

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SURVEYED BY:
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FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

74TH STREET
PLAN AND PROFILE
STA. 1+00 TO STA. 5+00
(SHEET 1 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
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PLOTTED: 12/12/2025 1:56 PM

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MATCH LINE STA 5+00
(SEE SHEET 189)

AVENUE C
(SEE SHEET 76)

SHERMAN STREET
(SEE SHEET 98)

SHERMAN STREET
(SEE SHEET 99)

74TH STREET
(60' ROW)

74TH STREET

CAUTION!! EXIST GAS FACILITIES IN AREA

CAUTION!! OVERHEAD ELECTRIC IN AREA

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 6+12, 18.33' LT
1–8"X8" TEE, RJ
2–8" GV w/ BOX
1–8"X45° BEND, RJ

STA 6+17, 9.44' LT
1–8"X45° BEND, RJ

STA 6+61, 16.47' LT
1–8"X45° BEND, RJ

STA 6+54, 9.58' LT
1–8"X45° BEND, RJ

STA 5+93, 24.84' LT
1–8" CUT, PLUG & ABANDON

ABANDON EXIST 4" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

74TH ST. STA 5+91.99
AVENUE C STA 14+43.39

N17° 10' 45.71"E
432.89'

74TH ST. STA 8+54.21
SHERMAN ST. STA 21+90.91

STA 8+16, 23.18' LT
2–8" CUT, PLUG & ABANDON

STA 7+89, 17.02' LT
1–8"X45° BEND, RJ

ABANDON EXIST 8" WL AFTER TRANSFERRING SERVICE TO PROP 8" WL

N17° 46' 18.73"E
306.56'

STA 8+18, 11.89' RT
1–8"X45° BEND, RJ

STA 8+72, 11.67' RT
1–20"X8" TEE, RJ
1–8" GV w/ BOX

PROP 20" WL BY TRENCHLESS CONSTRUCTION

STA 8+73, 43.59' RT
1–20"X6" HYDRANT TEE, RJ
1–6" GV w/ BOX
1–F.H. (4' BURY MIN.)

END BASELINE
STA. 9+25.00
N:13835294.0935
E:3145071.7810

SEE NOTE 6
SEE NOTE 7
SEE NOTE 9
SEE NOTE 10

PIPELINE MKR.
CONC. MONOPOLE(16470)
IRON FENCE
CHAIN LINK FENCE
CONC. WALK
GATE
STOP SIGN
SCHOOL SPEED LIMIT 20 SIGN
TRAFFIC SIGN
GRATE INLET
POWER POLE
MANHOLE
ASPH. PVM'T
18" STM.(PER GIMS)
4" WATER
8" WATER
FOC SIGN(WARNING CENTERPOINT)
TRAFFIC SIGN GRATE INLET
POWER POLE MTL. POST STOP SIGN
DOWN GUY
PHONE MKR.
WOODED AREA
24" OAK
30" OAK
FIRE HYD.
10'X20' UTILITY EASEMENT PER PLAT

NOTES CONT'D:

9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

EXIST. 24" STRM
EXIST. 8" SAN SWR
EXIST. 24" STRM
EXIST. 6" WATER PIPE
EXIST. 18" RCP
EXIST. 12" STRM
EXIST. 18" RCP
EXIST. 18" STRM
EXIST. 8" WATER PIPE
EXIST. 18" STRM
EXIST. 15" STRM
EXIST. 4" WATER
EXIST. 24" WATER PIPE
5' MIN.
2' MIN.

STA 5+73
1–8"X45° BEND, RJ

STA 5+77
1–8"X45° BEND, RJ

PROP 8" WL
LIMITS OF RESTRAINED JOINTS
69 LF

STA 6+30
1–8"X45° BEND, RJ

STA 6+27
1–8"X45° BEND, RJ

PROP 8" WL BY TRENCHLESS CONSTRUCTION

STA 7+85
1–8"X45° ROTATED BEND, RJ

STA 7+87
1–8"X45° BEND, RJ

STA 8+15
1–8"X45° ROTATED BEND, RJ

STA 8+18
1–8"X45° BEND, RJ

PROP 20" WL
LIMITS OF RESTRAINED JOINTS
86 LF

4" DIA SAN SWR MH TOP 31.99 | 8" FL(W) 27.39 | 8" FL(E) 27.59
4" DIA STORM MANHOLE TOP 31.25 | 18" FL(S) 26.35 | 24" FL(W) 25.35 | 24" FL(E) 25.55 | 24" FL(NE) 25.75
4" DIA STORM MANHOLE TOP 31.60 | 18" FL(S) 26.65 | 24" FL(W) 26.70 | 18" FL(N) 26.70 | 24" FL(NE) 26.70 | 18" FL(E) 26.70
TYPE C CURB INLET (S') TOP 30.09 | 18" FL(S) 26.13 | 12" FL(W) 27.03
3' X 3' GRATE INLET TOP 30.35 | 18" FL(N) 27.39 | 15" FL(SW) 27.39
3' X 3' GRATE INLET TOP 30.75 | 18" FL(S) 27.74
4" DIA STORM MANHOLE TOP 33.13 | 15" FL(SE) 27.13 | 18" FL(W) 27.13 | 18" FL(E) 27.13 | 18" FL(N) 27.13
4" DIA STORM MANHOLE TOP 32.70 | 18" FL(S) 26.70 | 18" FL(N) 26.70 | 15" FL(N) 26.70
3' X 3' GRATE INLET TOP 31.50 | 15" FL(S) 25.81
CL OF ROAD
WEST R.O.W.
EAST R.O.W.

5+00 6+00 7+00 8+00 9+00 10+00
18 20 22 24 26 28 30 32 34

LEGEND:

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- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

SCALE 1"=20'

NO.	DATE	REVISION	APP.

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74TH STREET
PLAN AND PROFILE
STA. 5+00 TO STA. 10+00
(SHEET 2 OF 2)

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HORIZ: 1"=20' VERT: 1"=2'	
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SHEET NO. 190 OF 318	

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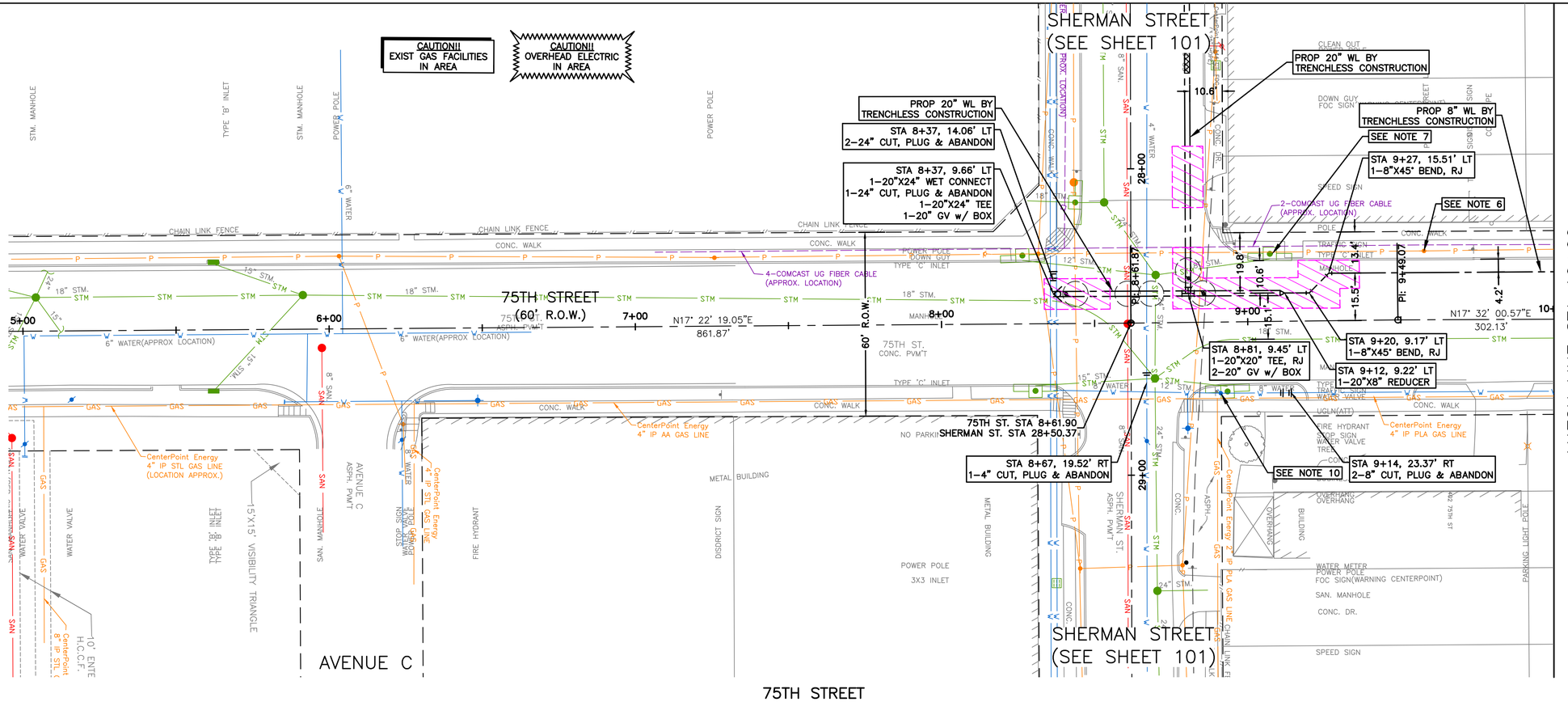

SEE SHEET 124
FOR PROFILE VIEW

NOTES CONT'D:

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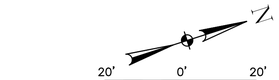

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

MATCH LINE STA 10+00 (SEE SHEET 192)

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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75TH STREET
PLAN
STA. 5+00 TO STA. 10+00
(SHEET 1 OF 4)

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SHEET NO. 191 OF 318	

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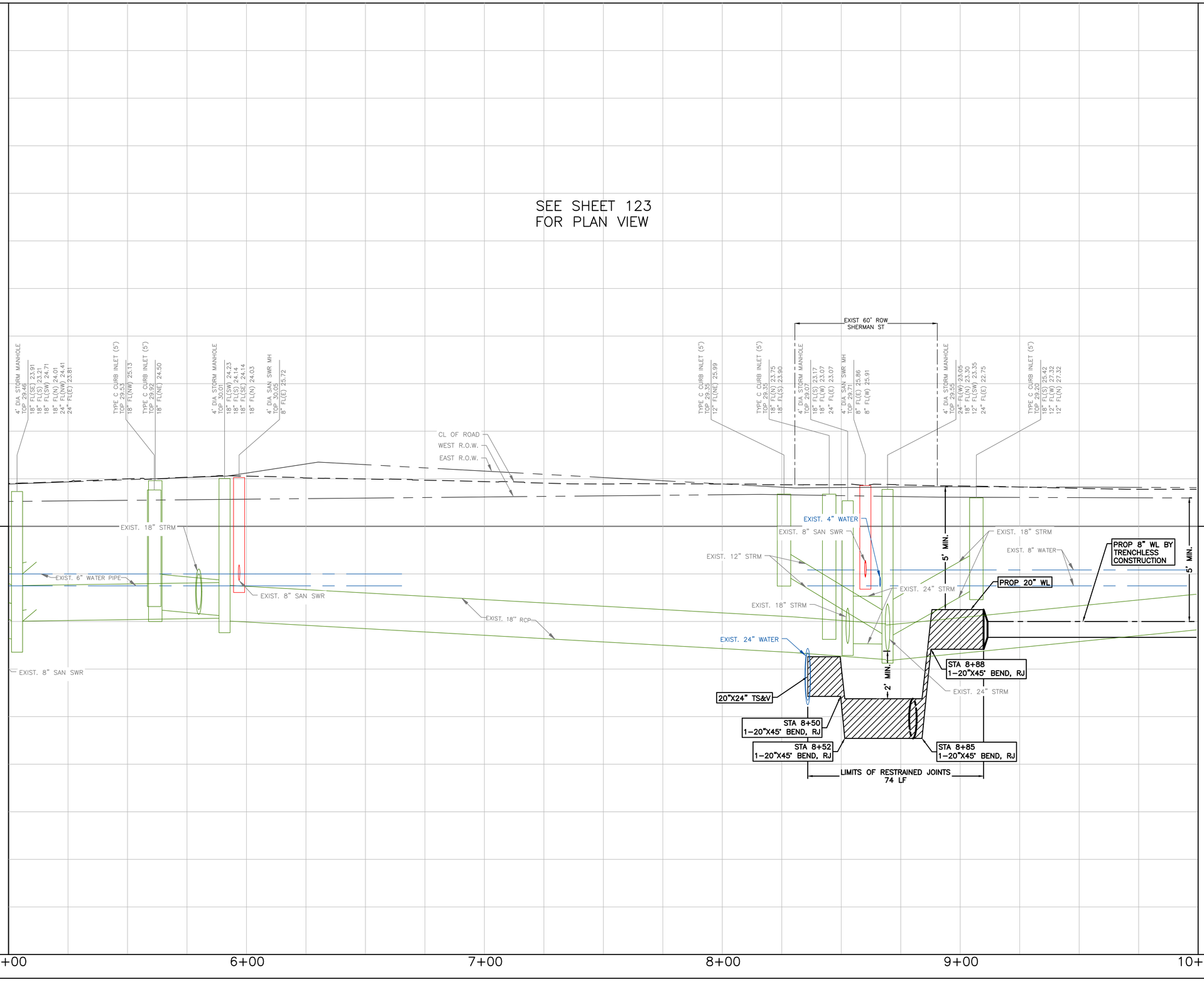
SEE SHEET 123
FOR PLAN VIEW



20' 0' 20'
SCALE 1"=20'

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NO.	DATE	REVISION	APP.

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

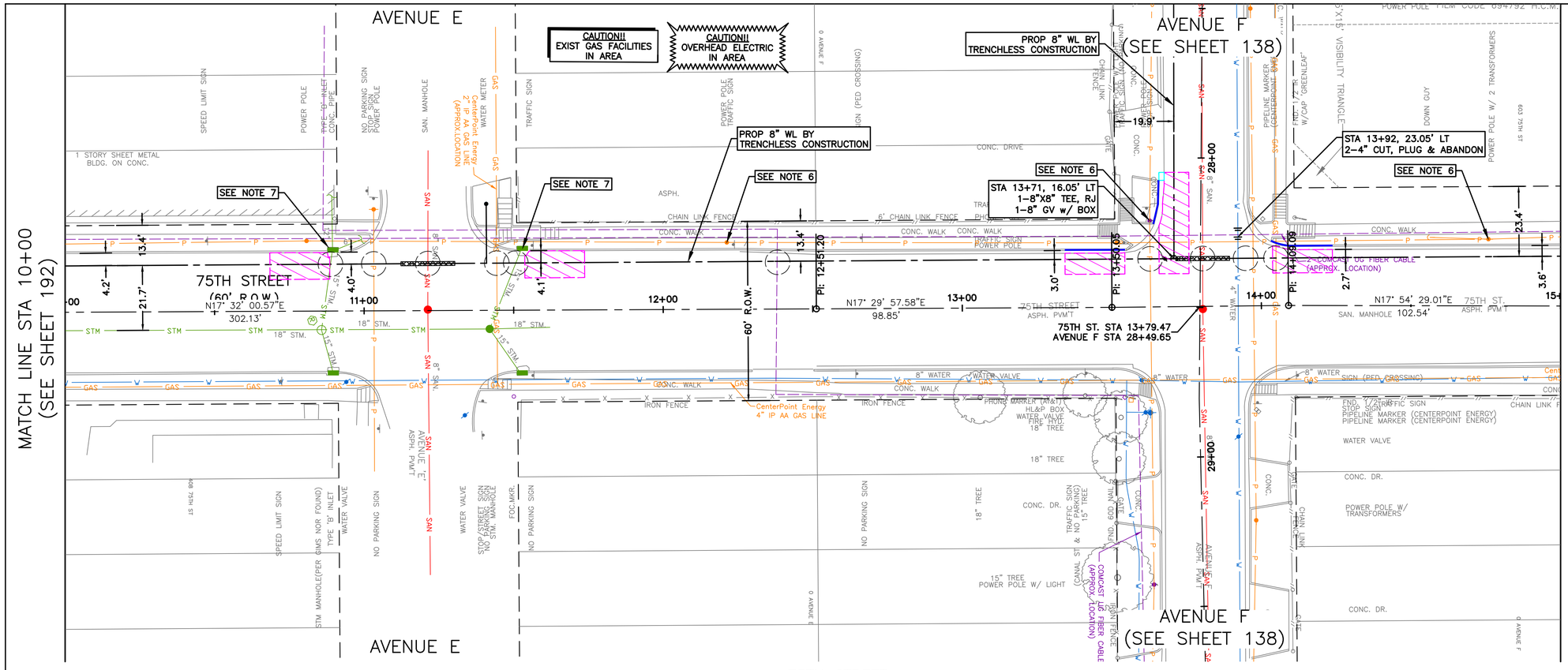
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

75TH STREET
PROFILE
STA. 5+00 TO STA. 10+00
(SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 192 OF 318	

PLOTTED: 12/12/2025 1:58 PM

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 75TH.dwg



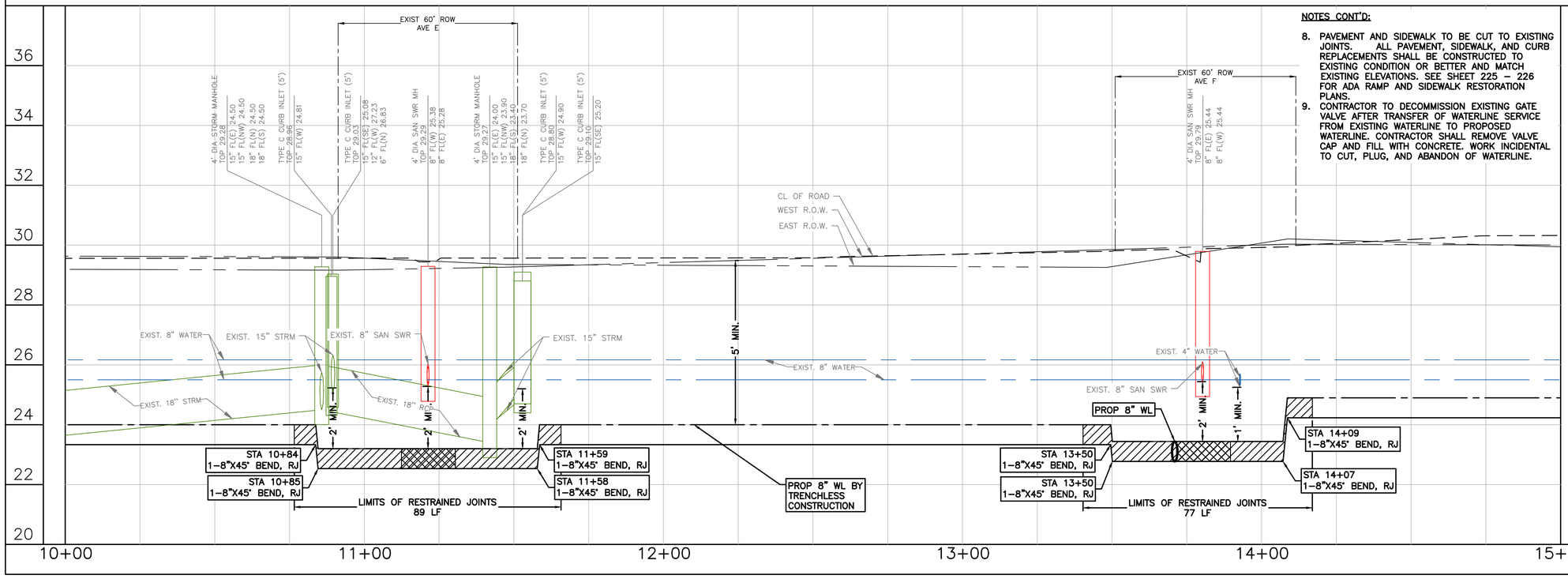
LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- APPROX. PAVEMENT REPAIR, REFER COH DWG. No. 02902–01 & 02; 02951–01, 02 & 03
- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
- EASEMENTS

NO.	DATE	REVISION	APP.

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. INSTALL WATER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXISTING UTILITIES. REFER TO WATER METER TABLE, SHEETS 198 – 205 FOR WATER METER SIZES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD BEFORE RECONNECTING SERVICE. PAVEMENT REPLACEMENT IS INCIDENTAL TO WATER METER CONNECTION.
5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. CONTRACTOR TO PROTECT EXISTING STORM INLET IN PLACE DURING CONSTRUCTION OPERATIONS, CONTRACTOR TO REPAIR AT NO SEPARATE PAY.



NOTES CONT'D:

8. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.
9. CONTRACTOR TO DECOMMISSION EXISTING GATE VALVE AFTER TRANSFER OF WATERLINE SERVICE FROM EXISTING WATERLINE TO PROPOSED WATERLINE. CONTRACTOR SHALL REMOVE VALVE CAP AND FILL WITH CONCRETE. WORK INCIDENTAL TO CUT, PLUG, AND ABANDON OF WATERLINE.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

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DATE:

AT&T

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DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

75TH STREET
PLAN AND PROFILE
STA. 10+00 TO STA. 15+00
(SHEET 3 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 193 OF 318	

PLOTTED: 12/12/2025 1:58 PM
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PLAN AND PROFILE - 75TH.dwg

MATCH LINE STA 15+00
(SEE SHEET 193)

CANAL ST.

SEE NOTE 6

STA 16+37, 16.66' LT
2–8"X45° BEND, RJ

STA 16+41, 27.34' RT
8"X8" TS&V
1–8" CUT, PLUG & ABANDON

PROP TCE
5' X 10'

75TH ST. STA 16+93.80
CANAL ST. STA 13+31.29

N17° 22' 08.07"E
363.37'

END BASELINE
STA. 18+75.00
N:13835993.1594
E:3145982.3913

75TH STREET 18+00
(60' R.O.W.)

75TH STREET
ASPH. PVMT

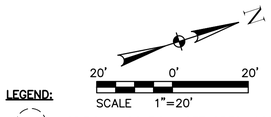
CAUTION!!
EXIST GAS FACILITIES
IN AREA

CAUTION!!
OVERHEAD ELECTRIC
IN AREA

2–COMCAST UG FIBER CABLE
(APPROX. LOCATION)

CenterPoint Energy
2" IP AA GAS LINE

GAS STATION
SAN. MANHOLE
BRICK
POWER POLE W/ LIGHT
'BB' INLET
4" METAL POST
4" METAL POST
BUSINESS SIGN
FDC BOX
10" METAL POST
POWER POLE
CONC.
ASPH.
12" WATER
STM. MANHOLE (UNDER ASPH.)
WATER VALVE
CONC. WALK
PHONE PAINTS (AT&T)
TRAFFIC SIGNAL BOX
TRAFFIC LIGHT POLE
'BB' INLET
GRASS
CONC.
20" OAK
2X2 CONC. BENCH
4" OAK
12" FALLOW
12" OAK
8" PALM
POWER POLE
10" OAK
12" OAK
POWER POLE
WATER METER
CONFIDENCE TRIANGLE (NO
WALL
BUSINESS SIGN
CONC. BENCH
'BB' INLET
POWER POLE
STM. MANHOLE
STM. MANHOLE
GRAVEL AND BROKEN CONC.
WATER VALVE
TRAFFIC LIGHT POLE
WATER VALVE
'BB' INLET
BOLLARDS
CARPORT
FIRE HYD.
1–STORY
BUILDING
POWER POLE CHAIN LINK FENCE
WATER METER
3" METAL POST
3" METAL POST
POWER POLE W/ LIGHT
WALK
ENCE
GRAVEL AND BROKEN CONC.
CONC.
CANAL STREET
CONC. PVMT
24" SAN.
12" HMAP CONDUITS
10" SAN.
8" SAN.
24" STM.
18" STM.
8" PIPE
12" WATER
GAS
UGP
P
SAN
STM
W
ELEC.BOX
CONC.
ROLLER
BOLLARD
ASPH.
BOLLARD
WATER METER
709 75TH ST
702 75TH ST
704 CANAL ST
700 CANAL ST
13+00
14+00
15+00
16+00
17+00
18+00
18+75
3.6'
PI: 15+11.63
13.4'
16.5'
2.7'
60' R.O.W.



LEGEND:

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- CENTER ONE FULL SECTION OF RESTRAINED DI PIPE AT SAN SWR CROSSING
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NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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5. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.
6. POWER POLE TO BE PROTECTED OR RELOCATED BY OTHERS.
7. PAVEMENT AND SIDEWALK TO BE CUT TO EXISTING JOINTS. ALL PAVEMENT, SIDEWALK, AND CURB REPLACEMENTS SHALL BE CONSTRUCTED TO EXISTING CONDITION OR BETTER AND MATCH EXISTING ELEVATIONS. SEE SHEET 225 – 226 FOR ADA RAMP AND SIDEWALK RESTORATION PLANS.

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

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DATE:

AT&T
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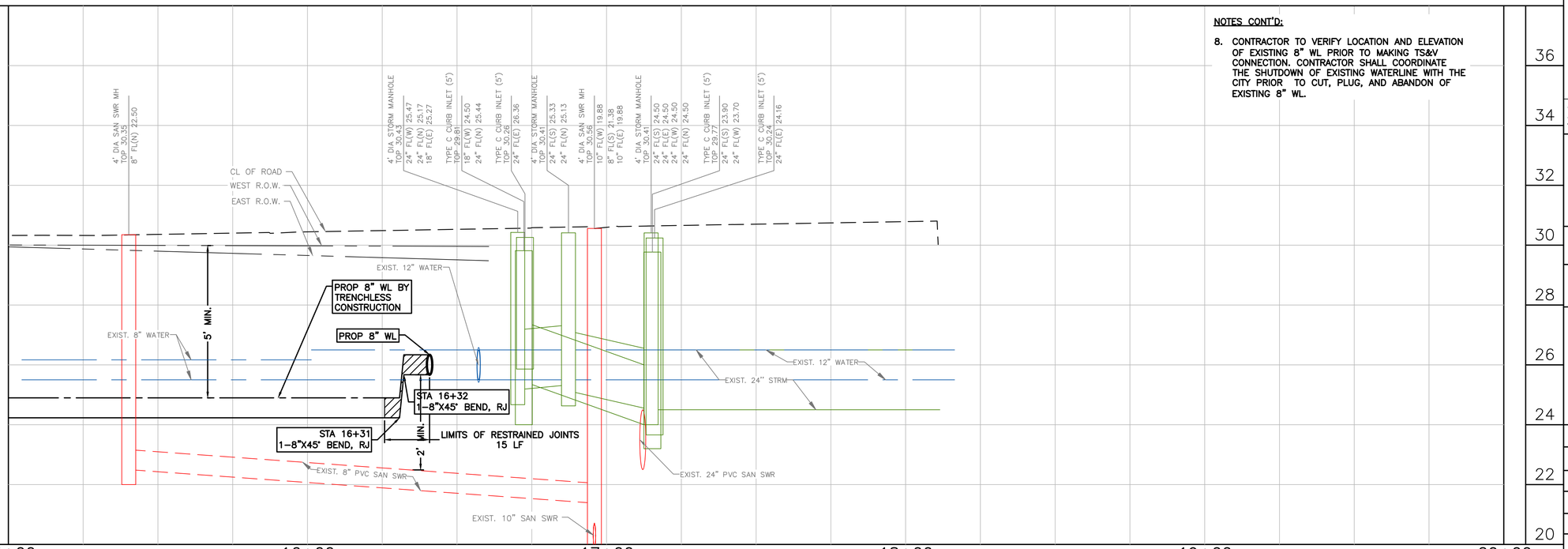

NOTES CONT'D:

8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING 8" WL PRIOR TO MAKING TS&V CONNECTION. CONTRACTOR SHALL COORDINATE THE SHUTDOWN OF EXISTING WATERLINE WITH THE CITY PRIOR TO CUT, PLUG, AND ABANDON OF EXISTING 8" WL.

DCCM Infrastructure, Inc. | TxEng F-257
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713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

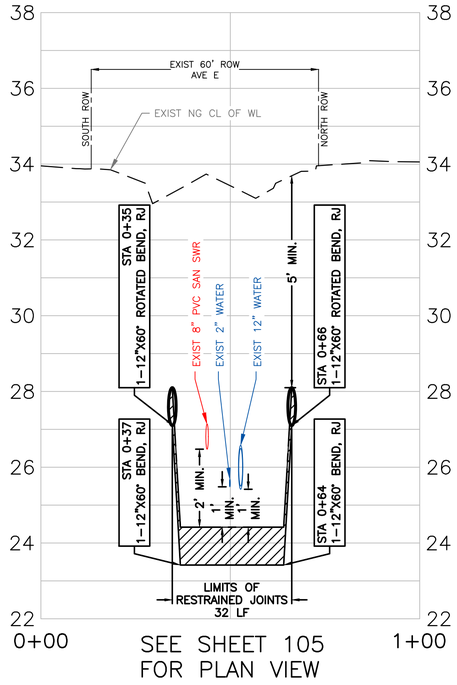
75TH STREET
PLAN AND PROFILE
STA. 15+00 TO STA. 19+00
(SHEET 4 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 194 OF 318	

PLOTTED: 12/12/2025 2:00 PM

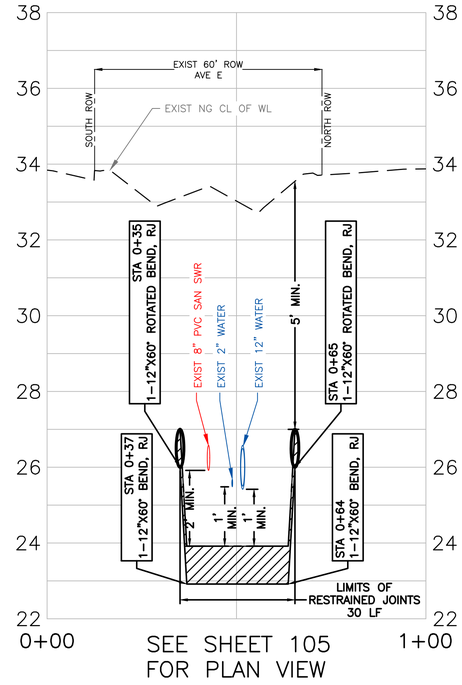
FILE PATH: J:\cohoustonpwe\2000000166.000_wi Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-CROSS SECTIONS.dwg

AVE E WEST OF 71ST
STA 12+66 CROSS SECTION



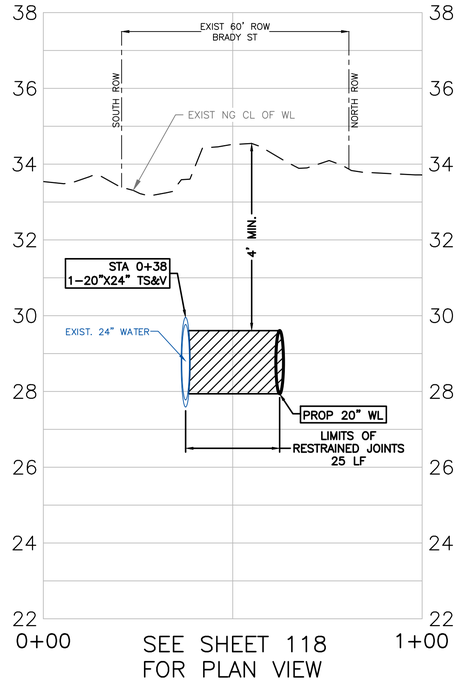
SEE SHEET 105
FOR PLAN VIEW

AVE E WEST OF 71ST
STA 14+65 CROSS SECTION



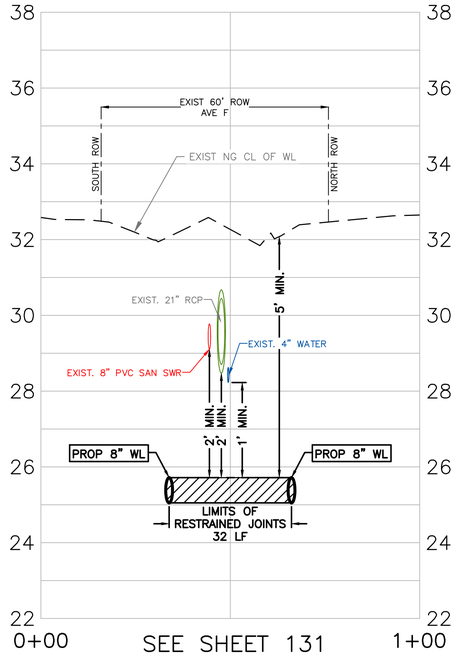
SEE SHEET 105
FOR PLAN VIEW

BRADY STREET STA 5+18
CROSS SECTION



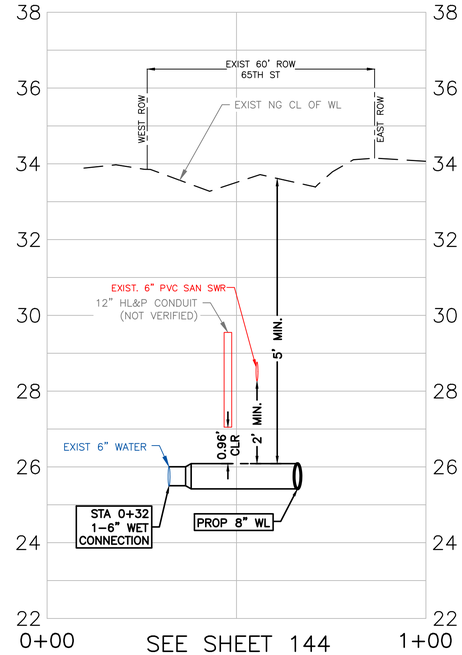
SEE SHEET 118
FOR PLAN VIEW

AVE F EAST OF 71ST
STA 2+69 CROSS SECTION



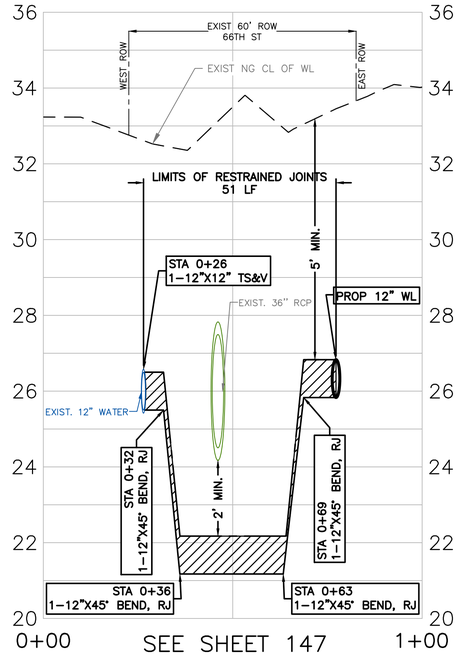
SEE SHEET 131
FOR PLAN VIEW

65TH STREET STA 16+86
CROSS SECTION



SEE SHEET 144
FOR PLAN VIEW

66TH STREET STA 10+05
CROSS SECTION



SEE SHEET 147
FOR PLAN VIEW

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

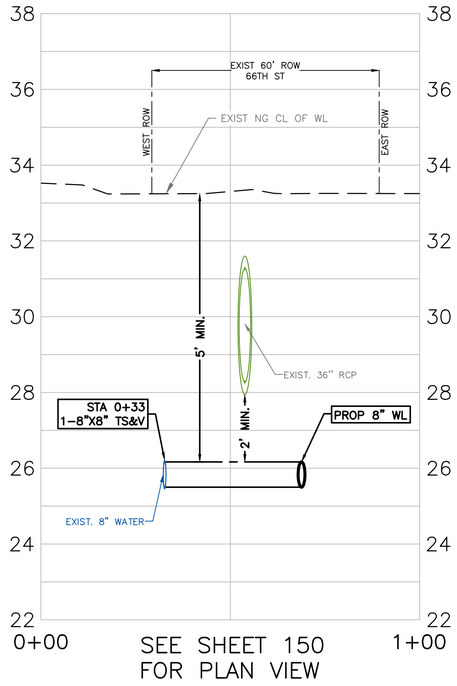
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WATER LINE CROSS SECTIONS (SHEET 1 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 195 OF 318	

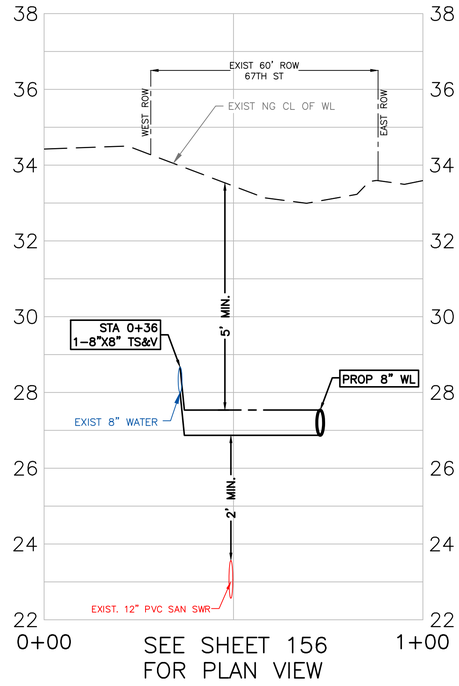
PLOTTED: 12/12/2025 2:00 PM

66TH STREET STA 16+91 CROSS SECTION



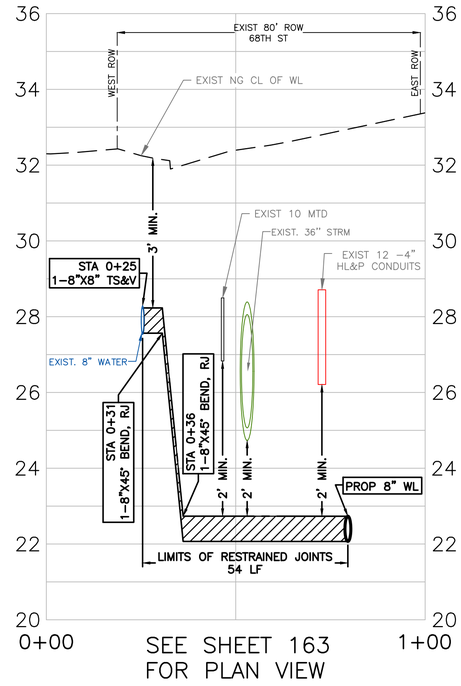
SEE SHEET 150
FOR PLAN VIEW

67TH STREET STA 16+31 CROSS SECTION



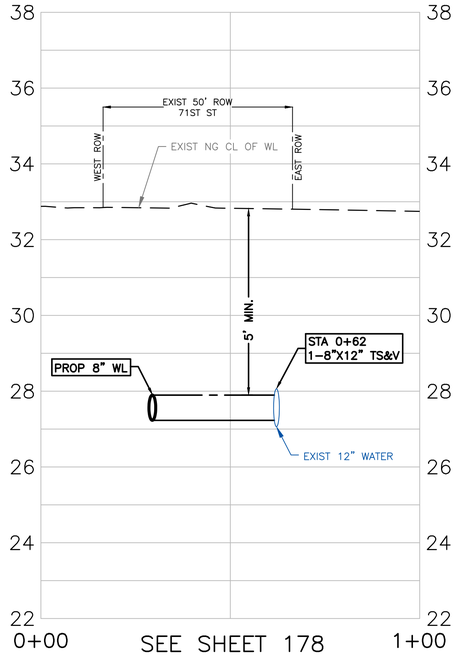
SEE SHEET 156
FOR PLAN VIEW

68TH STREET STA 16+37 CROSS SECTION



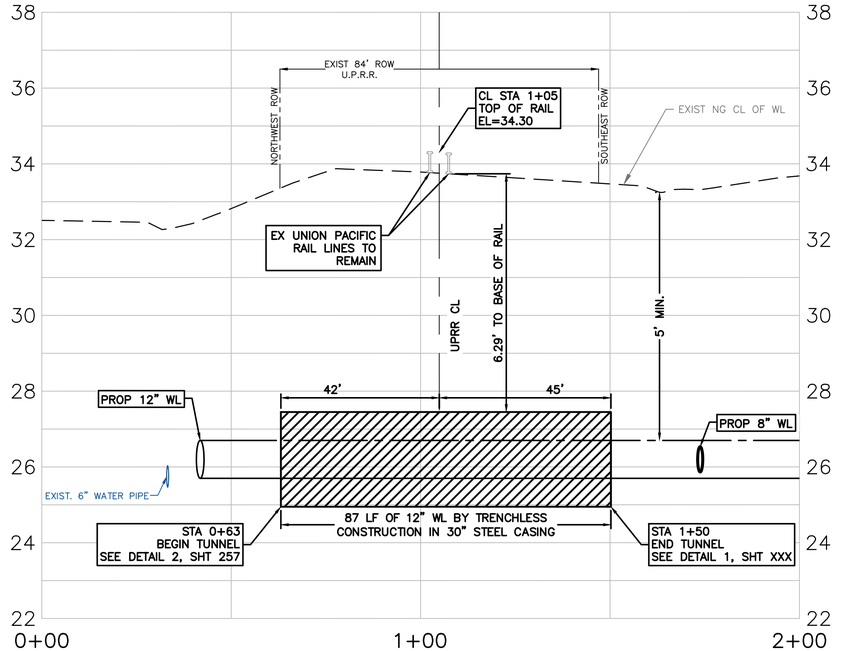
SEE SHEET 163
FOR PLAN VIEW

71ST STREET STA 16+48 CROSS SECTION



SEE SHEET 178
FOR PLAN VIEW

72ND STREET STA 5+54 TO STA 6+53 UPRR CROSSING



SEE SHEET 181
FOR PLAN VIEW

NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WATER LINE CROSS SECTIONS (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 196 OF 318	

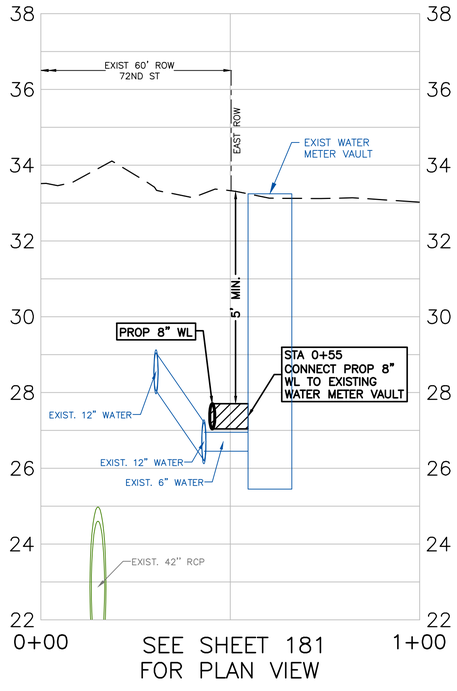
FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-CROSS SECTIONS.dwg

PLOTTED: 12/12/2025 1:58 PM

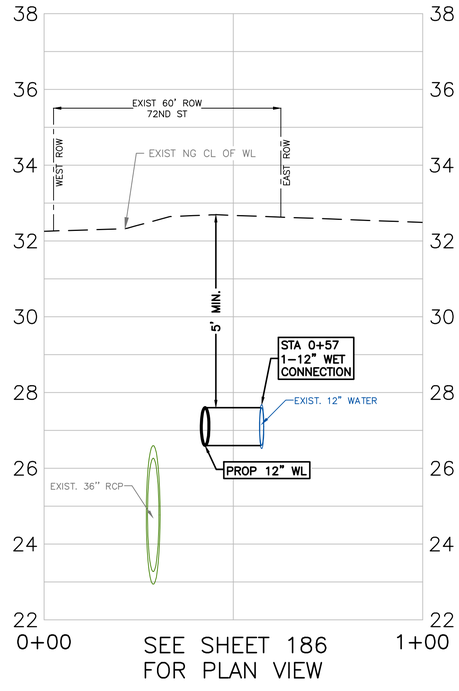
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-CROSS SECTIONS.dwg

NO.	DATE	REVISION	APP.

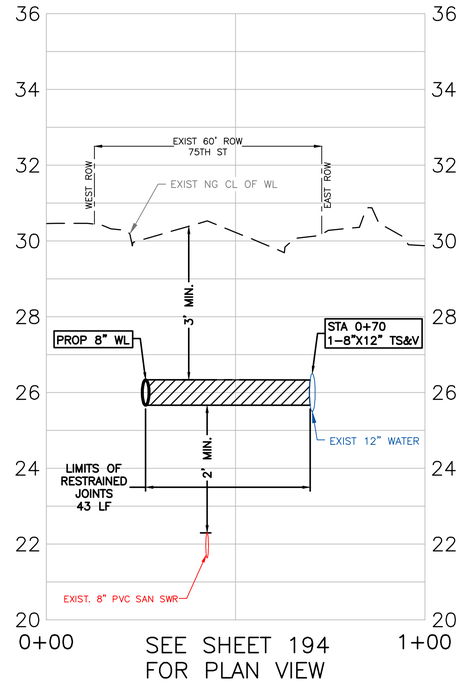
72ND STREET STA 5+61 CROSS SECTION



72ND STREET STA 15+76 CROSS SECTION



75TH STREET STA 16+41 CROSS SECTION



NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

WATER LINE CROSS SECTIONS (SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 197 OF 318	

PLOTTED: 12/12/2025 1:59 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

HARRISBURG BLVD

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
09650616-BA-1.000	SM-SR-D4	1"	6402 HARRISBURG BLVD HOUSTON TX 77011-4426	3/14/2011	SRV_ON
26101151-RW-1.500	SM-SR-D5	1.5"	6407 HARRISBURG BLVD 1/2 HOUSTON TX 77011-4425	9/18/1987	
27592277-EM-0.625	SM-SR-D4	0.625"	6407 HARRISBURG BLVD 1/2 HOUSTON TX 77011-4425	6/16/1967	
06234125-BA-0.625	SM-SR-D4	0.625"	6410 HARRISBURG BLVD HOUSTON TX 77011-4426	8/14/2006	SRV_ON
06234126-BA-0.625	SM-SR-D4	0.625"	6414 HARRISBURG BLVD HOUSTON TX 77011-4426	8/14/2006	SRV_OFF
16062743-BA-1.000	SM-SR-D4	1"	6416 HARRISBURG BLVD 1/2 HOUSTON TX 77011-0000	7/22/2016	SRV_ON
01088898-BA-1.000	SM-SR-D4	1"	6425 HARRISBURG BLVD P1-2 HOUSTON TX 77011-0000	5/10/2002	SRV_ON
02008251-BA-2.000	SM-SR-D5	2"	6425 HARRISBURG BLVD P1-2 HOUSTON TX 77011-0000	5/10/2002	SRV_ON
08585108-BA-1.000	SM-SR-D4	1"	6500 HARRISBURG BLVD HOUSTON TX 77011-4428	12/2/2008	SRV_ON
99577585-BA-1.000	SM-SR-D4	1"	6501 HARRISBURG BLVD HOUSTON TX 77011-0000	5/15/2002	SRV_ON
01041069-BA-1.000	SM-SR-D4	1"	6503 HARRISBURG BLVD HOUSTON TX 77011-0000	5/15/2002	SRV_ON
00020040-BA-1.000	SM-SR-D4	1"	6505 HARRISBURG BLVD P1-2 HOUSTON TX 77011-0000	5/15/2002	SRV_ON
42091510-TR-0.625	SM-SR-D4	0.625"	6513 HARRISBURG BLVD HOUSTON TX 77011-4427*	9/27/1997	
02007143-BA-1.500	SM-SR-D5	1.5"	6517 HARRISBURG BLVD HOUSTON TX 77011-4427	2/21/2003	SRV_ON
99590618-BA-0.625	SM-SR-D4	0.625"	6518 HARRISBURG BLVD HOUSTON TX 77011-4428*	6/8/2002	SRV_OFF
00196916-BA-0.625	SM-SR-D4	0.625"	6521 HARRISBURG BLVD HOUSTON TX 77011-4427	2/20/2002	SRV_OFF
11530761-BA-0.625	SM-SR-D4	0.625"	6528 HARRISBURG BLVD HOUSTON TX 77011-4410	12/29/2012	SRV_ON
16060775-BA-1.000	SM-SR-D4	1"	6536 HARRISBURG BLVD 1/2 HOUSTON TX 77011-0000	2/9/2016	SRV_ON
00103025-BA-0.625	SM-SR-D4	0.625"	6600 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4430	6/8/2002	SRV_OFF
43452653-TR-0.625	SM-SR-D4	0.625"	6614 HARRISBURG BLVD HOUSTON TX 77011-4430*	1/5/1998	SRV_ON
02079290-BA-0.625	SM-SR-D4	0.625"	6619 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4429	5/14/2002	SRV_ON
06212977-BA-1.000	SM-SR-D4	1"	6623 HARRISBURG BLVD HOUSTON TX 77011-4429*	8/14/2006	SRV_OFF
02079291-BA-0.625	SM-SR-D4	0.625"	6625 HARRISBURG BLVD HOUSTON TX 77011-4429	5/14/2002	SRV_OFF
92032471-BA-0.625	SM-SR-D4	0.625"	6627 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4429	1/5/1993	
11543445-BA-2.000	SM-SR-D5	2"	6632 HARRISBURG BLVD B HOUSTON TX 77011-0000*	1/20/2012	SRV_ON
00068779-BA-1.500	SM-SR-D5	1.5"	6632 HARRISBURG BLVD P1-1 HOUSTON TX 77011-0000*	11/20/2001	SRV_ON
00081993-BA-0.625	SM-SR-D4	0.625"	6633 HARRISBURG BLVD HOUSTON TX 77011-4429	5/22/2006	SRV_ON
01061196-BA-0.625	SM-SR-D4	0.625"	6636 HARRISBURG BLVD HOUSTON TX 77011-4430	6/8/2002	SRV_ON
01061194-BA-0.625	SM-SR-D4	0.625"	6638 HARRISBURG BLVD HOUSTON TX 77011-4430	6/8/2002	SRV_OFF
02079217-BA-0.625	SM-SR-D4	0.625"	6639 HARRISBURG BLVD HOUSTON TX 77011-4429	5/14/2002	SRV_ON
06208658-BA-0.625	SM-SR-D4	0.625"	6646 HARRISBURG BLVD HOUSTON TX 77011-4430	5/22/2006	SRV_OFF
03200457-BA-0.625	SM-SR-D4	0.625"	6648 HARRISBURG BLVD 7B HOUSTON TX 77011-4430	5/22/2006	SRV_OFF
14216742-BA-1.000	SM-SR-D4	1"	6649 HARRISBURG BLVD HOUSTON TX 77011-4429	4/1/2014	SRV_ON
06327409-BA-1.500	SM-SR-D5	1"	6700 HARRISBURG BLVD 1/2 HOUSTON TX 77003-0000*	5/9/2007	SRV_ON
12758499-BA-1.000	SM-SR-D4	1.5"	6700 HARRISBURG BLVD HOUSTON TX 77011-4432*	10/17/2013	SRV_ON
09066675-BA-2.000	SM-SR-D5	2"	6701 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4431	10/13/2009	SRV_OFF
02080795-BA-0.625	SM-SR-D4	0.625"	6703 HARRISBURG BLVD HOUSTON TX 77011-4431*	5/14/2002	SRV_ON
25394637-BA-1.500	SM-SR-D5	1.5"	6704 HARRISBURG BLVD HOUSTON TX 77011-4432*	7/19/1990	SRV_ON
06208657-BA-0.625	SM-SR-D4	0.625"	6706 HARRISBURG BLVD A HOUSTON TX 77011-4432*	5/22/2006	SRV_OFF
06234124-BA-0.625	SM-SR-D4	0.625"	6706 HARRISBURG BLVD HOUSTON TX 77011-4432*	8/14/2006	SRV_OFF
00116930-BA-1.000	SM-SR-D4	1"	6707 HARRISBURG BLVD HOUSTON TX 77011-4431	5/14/2002	SRV_ON
06207255-BA-1.000	SM-SR-D4	1"	6708 HARRISBURG BLVD HOUSTON TX 77011-4432*	5/22/2006	SRV_ON
02080796-BA-0.625	SM-SR-D4	0.625"	6713 HARRISBURG BLVD HOUSTON TX 77011-4431*	5/14/2002	SRV_ON
03130360-BA-0.625	SM-SR-D4	0.625"	6721 HARRISBURG BLVD HOUSTON TX 77011-4431	9/12/2005	SRV_ON
02080794-BA-0.625	SM-SR-D4	0.625"	6723 HARRISBURG BLVD HOUSTON TX 77011-4431	5/14/2002	SRV_ON
02080793-BA-0.625	SM-SR-D4	0.625"	6725 HARRISBURG BLVD HOUSTON TX 77011-4431*	5/14/2002	SRV_ON
02079238-BA-0.625	SM-SR-D4	0.625"	6727 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4431*	5/14/2002	SRV_OFF
99577292-BA-1.000	SM-SR-D4	1"	6729 HARRISBURG BLVD HOUSTON TX 77011-4431*	5/14/2002	SRV_ON
07000651-BA-2.000	SM-SR-D5	2"	6730 HARRISBURG BLVD HOUSTON TX 77011-0000	11/14/2007	SRV_ON

HARRISBURG BLVD (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
01352493-RW-3.000	SM-SR-D5	0.625"	6735 HARRISBURG BLVD HOUSTON TX 77011-4431	4/30/1993	SRV_ON
06579385-BA-2.000	SM-SR-D5	1"	6739 HARRISBURG BLVD HOUSTON TX 77011-4431*	4/9/2007	SRV_ON
06327379-BA-1.500	SM-SR-D5	3"	6745 HARRISBURG BLVD 607 HOUSTON TX 77011-4431	1/5/2007	SRV_ON
06561492-BA-2.000	SM-SR-D5	2"	6745 HARRISBURG BLVD 607 HOUSTON TX 77011-4431	5/9/2007	SRV_ON
03200436-BA-0.625	SM-SR-D4	1.5"	6800 HARRISBURG BLVD HOUSTON TX 77011-4626	5/18/2006	SRV_ON
06208573-BA-0.625	SM-SR-D4	2"	6801 HARRISBURG BLVD HOUSTON TX 77011-4625	5/22/2006	SRV_ON
06212723-BA-1.500	SM-SR-D5	0.625"	6808 HARRISBURG BLVD HOUSTON TX 77011-4626	2/5/2007	SRV_ON
06323554-BA-1.000	SM-SR-D4	0.625"	6812 HARRISBURG BLVD 236 HOUSTON TX 77011-4626*	2/5/2007	SRV_ON
06207253-BA-1.000	SM-SR-D4	1.5"	6815 HARRISBURG BLVD HOUSTON TX 77011-4625	5/18/2006	SRV_OFF
06234127-BA-0.625	SM-SR-D4	1"	6815 HARRISBURG BLVD HOUSTON TX 77011-4625	8/14/2006	SRV_ON
07342446-BA-1.000	SM-SR-D4	1"	6816 HARRISBURG BLVD HOUSTON TX 77011-4626*	9/11/2007	SRV_ON
06222145-BA-1.500	SM-SR-D5	0.625"	6820 HARRISBURG BLVD HOUSTON TX 77011-4626*	9/11/2007	SRV_ON
02080792-BA-0.625	SM-SR-D4	1"	6821 HARRISBURG BLVD 1/2 COLUMBUS TX 77011-0000	5/14/2002	SRV_ON
09064671-BA-1.500	SM-SR-D5	1.5"	6821 HARRISBURG BLVD HOUSTON TX 77011-0000	10/10/2009	SRV_ON
06299205-BA-1.500	SM-SR-D5	1.5"	6822 HARRISBURG BLVD HOUSTON TX 77011-4626*	1/1/1987	SRV_ON
210289885-BA-0.625	SM-SR-D4	1.5"	6826 HARRISBURG BLVD HOUSTON TX 77011-4626	10/26/2021	
06207256-BA-1.000	SM-SR-D4	0.625"	6828 HARRISBURG BLVD HOUSTON TX 77011-4626*	5/18/2006	SRV_ON
10251393-BA-1.500	SM-SR-D5	1"	6830 HARRISBURG BLVD HOUSTON TX 77011-4626*	12/7/2010	SRV_ON
10019866-BA-2.000	SM-SR-D5	1.5"	6835 HARRISBURG BLVD P1-2 HOUSTON TX 77011-4625	6/11/2010	SRV_ON
00003449-BA-0.625	SM-SR-D4	2"	6847 HARRISBURG BLVD P1-2 HOUSTON TX 77011-4625	5/24/2006	SRV_ON
03200437-BA-0.625	SM-SR-D4	0.625"	6852 HARRISBURG BLVD HOUSTON TX 77011-4626*	5/23/2006	SRV_ON
00078408-BA-0.625	SM-SR-D4	0.625"	6854 HARRISBURG BLVD HOUSTON TX 77011-4626*	5/18/2006	SRV_ON
02083941-BA-0.625	SM-SR-D4	0.625"	6856 HARRISBURG BLVD HOUSTON TX 77011-4626*	5/15/2002	SRV_ON
02083936-BA-0.625	SM-SR-D4	0.625"	6858 HARRISBURG BLVD HOUSTON TX 77011-4626*	5/15/2002	SRV_ON
231603550-BA-0.625	SM-SR-D4	0.625"	6860 HARRISBURG BLVD HOUSTON TX 77011-4626	3/22/2025	
32511418-RW-1.500	SM-SR-D5	0.625"	6862 HARRISBURG BLVD HOUSTON TX 77011-4626	1/1/1987	SRV_OFF
02083938-BA-0.625	SM-SR-D4	1.5"	6864 HARRISBURG BLVD HOUSTON TX 77011-4626	5/15/2002	SRV_ON
06207254-BA-1.000	SM-SR-D4	0.625"	6866 HARRISBURG BLVD HOUSTON TX 77011-4626	5/22/2006	SRV_OFF
06213206-BA-1.000	SM-SR-D4	1"	6868 HARRISBURG BLVD HOUSTON TX 77011-4626*	8/14/2006	SRV_ON
02083939-BA-0.625	SM-SR-D4	1"	6870 HARRISBURG BLVD HOUSTON TX 77011-4626	5/15/2002	SRV_ON
06564795-BA-1.500	SM-SR-D5	0.625"	6872 HARRISBURG BLVD HOUSTON TX 77011-4626	11/10/2008	SRV_ON
01076443-BA-0.625	SM-SR-D4	1.5"	6890 HARRISBURG BLVD HOUSTON TX 77011-4626*	9/12/2005	SRV_ON
00064934-BA-2.000	SM-SR-D5	0.625"	6901 HARRISBURG BLVD HOUSTON TX 77011-4627	6/20/2000	SRV_ON
01056383-BA-1.000	SM-SR-D4	2"	6902 HARRISBURG BLVD HOUSTON TX 77011-4628	12/5/2001	SRV_ON
00020317-BA-1.000	SM-SR-D4	1"	6914 HARRISBURG BLVD 1/2 CORPUS CHRIS TX	5/14/2002	SRV_OFF
00068745-BA-1.500	SM-SR-D5	1.5"	6914 HARRISBURG BLVD HOUSTON TX 77011-0000	12/5/2001	SRV_ON
60068520-TR-1.500	SM-SR-D5	1.5"	6917 HARRISBURG BLVD HOUSTON TX 77011-0000*	2/13/1997	SRV_ON
10522436-BA-0.625	SM-SR-D4	0.625"	6922 HARRISBURG BLVD HOUSTON TX 77011-4628	11/29/2011	SRV_ON
02084310-BA-1.000	SM-SR-D4	1"	6925 HARRISBURG BLVD HOUSTON TX 77011-4627*	5/20/2002	SRV_ON
09547924-BA-1.500	SM-SR-D5	1.5"	6926 HARRISBURG BLVD HOUSTON TX 77011-4628	10/12/2009	SRV_ON
04342961-BA-1.500	SM-SR-D5	1.5"	6929 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4627	8/13/2005	SRV_ON
06212668-BA-1.500	SM-SR-D5	1.5"	6931 HARRISBURG BLVD HOUSTON TX 77011-4627	11/13/2006	SRV_ON
13175411-BA-1.000	SM-SR-D4	1"	6948 HARRISBURG BLVD A HOUSTON TX 77011-0000	12/20/2013	SRV_ON
00208339-BA-2.000	SM-SR-D5	2"	6948 HARRISBURG BLVD P1-2 HOUSTON TX 77011-4628	3/13/2007	SRV_ON
10559512-BA-1.000	SM-SR-D4	1"	6949 HARRISBURG BLVD HOUSTON TX 77011-0000	1/13/2011	SRV_ON
10019753-BA-2.000	SM-SR-D5	2"	7000 HARRISBURG BLVD HOUSTON TX 77011-4646	8/20/2010	SRV_ON
10021383-BA-1.500	SM-SR-D5	1.5"	7000 HARRISBURG BLVD HOUSTON TX 77011-4646	8/20/2010	SRV_ON
02344207-BA-0.625	SM-SR-D4	1"	7001 HARRISBURG BLVD 1/2 OKLAHOMA CIT TX 77011-0000	10/31/2002	SRV_ON
06207635-BA-1.000	SM-SR-D4	1"	7001 HARRISBURG BLVD HOUSTON TX 77011-0000	5/26/2006	SRV_ON

HARRISBURG BLVD (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
06207633-BA-1.000	SM-SR-D4	0.625"	7001 HARRISBURG BLVD HOUSTON TX 77011-0000	5/26/2006	SRV_ON
13029832-BA-0.625	SM-SR-D4	1"	7003 HARRISBURG BLVD P1-1 HOUSTON TX 77011-0000	12/7/1961	SRV_ON
06215920-BA-1.000	SM-SR-D4	1.5"	7003 HARRISBURG BLVD P1-1 HOUSTON TX 77011-0000	4/17/2007	SRV_ON
06317331-BA-1.500	SM-SR-D5	1"	7007 HARRISBURG BLVD HOUSTON TX 77012-0000	4/9/2007	SRV_ON
00143500-BA-1.000	SM-SR-D4	2"	7011 HARRISBURG BLVD #A HOUSTON TX 77011-0000	12/18/2000	SRV_ON
10015821-BA-2.000	SM-SR-D5	2"	7011 HARRISBURG BLVD #B HOUSTON TX 77011-0000	3/12/2010	SRV_ON
10015816-BA-2.000	SM-SR-D5	2"	7011 HARRISBURG BLVD #C HOUSTON TX 77011-0000	3/12/2010	SRV_ON
06208000-BA-0.625	SM-SR-D4	0.625"	7016 HARRISBURG BLVD A HOUSTON TX 77011-4646	5/22/2006	SRV_ON
10015808-BA-2.000	SM-SR-D5	1"	7016 HARRISBURG BLVD HOUSTON TX 77011-0000	3/12/2010	SRV_ON
00020136-BA-1.000	SM-SR-D4	1"	7018 HARRISBURG BLVD HOUSTON TX 77011-4646	5/14/2002	SRV_ON
00048149-BA-1.000	SM-SR-D4	0.625"	7038 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4646	5/14/2002	SRV_ON
03200439-BA-0.625	SM-SR-D4	0.625"	7040 HARRISBURG BLVD 1/2 HOUSTON TX 77011-4646	5/18/2006	SRV_ON
06207997-BA-0.625	SM-SR-D4	0.625"	7041 HARRISBURG BLVD P1-1 HOUSTON TX 77011-4645	5/22/2006	SRV_ON
40810746-TR-0.625	SM-SR-D4	0.625"	7101 HARRISBURG BLVD P2-1 HOUSTON TX 77011-4734	12/13/1995	
13281132-BA-0.625	SM-SR-D4	0.625"	7104 HARRISBURG BLVD HOUSTON TX 77011-4735*	6/1/1961	
32568335-RW-0.625	SM-SR-D4	0.625"	7107 HARRISBURG BLVD HOUSTON TX 77012-0000	1/1/1987	
210290095-BA-0.625	SM-SR-D4	0.625"	7111 HARRISBURG BLVD HOUSTON TX 77011-4734	7/19/2023	
06094415-BA-0.625	SM-SR-D4	0.625"	7115 HARRISBURG BLVD HOUSTON TX 77011-4734*	3/13/2006	SRV_OFF
06560257-BA-0.625	SM-SR-D4	0.625"	7116 HARRISBURG BLVD HOUSTON TX 77011-4735	12/5/2007	SRV_ON
36903692-RW-0.625	SM-SR-D4	1"	7117 HARRISBURG BLVD HOUSTON TX 77011-4734	5/13/1993	
06205015-BA-1.000	SM-SR-D4	2"	7118 HARRISBURG BLVD HOUSTON TX 77011-0000*	8/14/2006	SRV_OFF
06579509-BA-2.000	SM-SR-D5	0.625"	7121 HARRISBURG BLVD HOUSTON TX 77011-4734*	4/9/2007	SRV_ON
02080009-BA-0.625	SM-SR-D4	2"	7124 HARRISBURG BLVD HOUSTON TX 77011-0000	5/10/2002	SRV_ON
00299344-AB-3.000	MG-SR-D6	3"	7124 HARRISBURG BLVD HOUSTON TX 77011-0000	9/23/2019	
06597136-BA-2.000	SM-SR-D5	0.625"	7129 HARRISBURG BLVD HOUSTON TX 77011-4734*	8/9/2007	SRV_ON
19142044-BA-0.625	SM-SR-D4	0.625"	7131 HARRISBURG BLVD HOUSTON TX 77011-4734*	1/30/2020	
12753426-BA-0.625	SM-SR-D4	1"	7147 HARRISBURG BLVD P1-1 HOUSTON TX 77011-0000	2/15/2013	SRV_ON
05300485-BA-1.000	SM-SR-D4	1.5"	7204 HARRISBURG BLVD P1-3 HOUSTON TX 77011-0000*	10/19/2005	SRV_ON
06586270-BA-1.500	SM-SR-D5	0.625"	7211 HARRISBURG BLVD B HOUSTON TX 77011-0000*	5/5/2009	SRV_ON
06206286-BA-0.625	SM-SR-D4	0.625"	7211 HARRISBURG BLVD HOUSTON TX 77011-4736*	5/18/2006	SRV_ON
06206281-BA-0.625	SM-SR-D4	0.625"	7218 HARRISBURG BLVD HOUSTON TX 77011-4737*	5/18/2006	SRV_ON
06206282-BA-0.625	SM-SR-D4	0.625"	7223 HARRISBURG BLVD HOUSTON TX 77011-4736	5/18/2006	SRV_ON
02419254-BA-0.625	SM-SR-D4	1"	7224 HARRISBURG BLVD HOUSTON TX 77011-4737	3/24/2003	SRV_OFF
06205014-BA-1.000	SM-SR-D4	2"	7224 HARRISBURG BLVD HOUSTON TX 77011-4737	8/14/2006	SRV_ON
06561668-BA-2.000	SM-SR-D5	0.625"	7225 HARRISBURG BLVD HOUSTON TX 77011-4736*	5/9/2007	SRV_ON
32056732-RW-0.625	SM-SR-D4	0.625"	7239 HARRISBURG BLVD HOUSTON TX 77011-4736*	1/1/1987	SRV_ON
06208606-BA-0.625	SM-SR-D4	0.625"	7241 HARRISBURG BLVD HOUSTON TX 77011-4736*	5/22/2006	SRV_OFF
06208607-BA-0.625	SM-SR-D4	1"	7245 HARRISBURG BLVD P1-2/ P2-1 HOU TX 77011-4736*	5/22/2006	SRV_OFF
16658088-BA-1.000	SM-SR-D4	0.625"	7300 HARRISBURG BLVD HOUSTON TX 77011-4739	2/27/2017	SRV_GRLOCK
11530134-BA-0.625	SM-SR-D4	0.625"	7306 HARRISBURG BLVD HOUSTON TX 77011-4739*	7/5/2012	SRV_ON
02344091-BA-0.625	SM-SR-D4	0.625"	7308 HARRISBURG BLVD HOUSTON TX 77011-4739	10/31/2002	SRV_ON
02344092-BA-0.625	SM-SR-D4	0.625"	7312 HARRISBURG BLVD 1/2 HOUSTON TX 77011-4739	10/31/2002	SRV_ON
06234414-BA-0.625	SM-SR-D4	1.5"	7314 HARRISBURG BLVD P1-2 HOUSTON TX 77011-4739*	8/15/2006	SRV_OFF
06327306-BA-1.500	SM-SR-D5	0.625"	7318 HARRISBURG BLVD HOUSTON TX 77011-4739*	12/14/2009	SRV_ON
25100820-RW-0.625	SM-SR-D4	2"	7323 HARRISBURG BLVD #A HOUSTON TX 77011-0000*	1/1/1987	
06594332-BA-2.000	SM-SR-D5	1.5"	7327 HARRISBURG BLVD HOUSTON TX 77011-4738*	8/6/2008	SRV_ON
06317283-BA-1.500	SM-SR-D5	0.625"	7335 HARRISBURG BLVD 1/2 HOUSTON TX 77011-4738*	5/11/2007	SRV_ON
32819533-RW-0.625	SM-SR-D4	0.625"	7414 HARRISBURG BLVD HOUSTON TX 77011-4741	1/1/1987	
99588950-BA-0.625	SM-SR-D4	4"	7415 HARRISBURG BLVD HOUSTON TX 77011-0000*	8/11/1999	SRV_ON

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
HARRISBURG BLVD

(SHEET 1 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 198 OF 318	

PLOTTED: 12/12/2025 1:59 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

HARRISBURG BLVD (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
23080940-KR-4.000	MG-SR-D6	0.625"	7418 HARRISBURG BLVD HOUSTON TX 77011-4741	5/13/2024	
02344209-BA-0.625	SM-SR-D4	0.625"	7437 HARRISBURG BLVD HOUSTON TX 77011-4740*	10/31/2002	SRV_ON
02344208-BA-0.625	SM-SR-D4	0.625"	7438 HARRISBURG BLVD HOUSTON TX 77011-4741	10/31/2002	SRV_ON
06208598-BA-0.625	SM-SR-D4	0.625"	7439 HARRISBURG BLVD HOUSTON TX 77011-4740	5/23/2006	SRV_ON
19400914-BA-0.625	SM-SR-D4	0.625"	7444 HARRISBURG BLVD HOUSTON TX 77011-4741*	10/14/2020	
06212982-BA-1.000	SM-SR-D4	1"	7445 HARRISBURG BLVD HOUSTON TX 77011-4740	8/15/2006	SRV_ON
06588628-BA-0.625	SM-SR-D4	0.625"	7500 HARRISBURG BLVD HOUSTON TX 77012-1438	3/27/2008	SRV_OFF
06208597-BA-0.625	SM-SR-D4	0.625"	7506 HARRISBURG BLVD HOUSTON TX 77012-1438*	5/23/2006	SRV_OFF
02344212-BA-0.625	SM-SR-D4	0.625"	7510 HARRISBURG BLVD HOUSTON TX 77012-1438*	10/31/2002	SRV_ON
06092782-BA-0.625	SM-SR-D4	0.625"	7512 HARRISBURG BLVD HOUSTON TX 77012-1438	3/2/2006	SRV_ON
06092786-BA-0.625	SM-SR-D4	0.625"	7514 HARRISBURG BLVD HOUSTON TX 77012-1438	3/2/2006	SRV_ON
06092784-BA-0.625	SM-SR-D4	0.625"	7518 HARRISBURG BLVD HOUSTON TX 77012-1438*	3/2/2006	
06092783-BA-0.625	SM-SR-D4	0.625"	7520 HARRISBURG BLVD HOUSTON TX 77012-1438	3/2/2006	SRV_MGLOCK
01019853-BA-2.000	SM-SR-D5	2"	7526 HARRISBURG BLVD HOUSTON TX 77012-1458	4/10/2001	SRV_ON
07464800-BA-1.000	SM-SR-D4	1"	7529 HARRISBURG BLVD HOUSTON TX 77012-0000	11/30/2007	SRV_ON
07464807-BA-1.000	SM-SR-D4	1"	7529 HARRISBURG BLVD HOUSTON TX 77012-0000	11/30/2007	SRV_ON

AVENUE B

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
03169037-BA-0.625	SM-SR-D4	0.625"	7206 AVENUE B B5 HOUSTON TX 77011-3732	12/6/2003	SRV_ON
02048002-BA-0.625	SM-SR-D4	0.625"	7212 AVENUE B P1-2 HOUSTON TX 77011-3732	6/5/2002	SRV_OFF
242223893-BA-1.000	SM-SR-D4	1"	7216 AVENUE B ST HOUSTON TX 77011*	2/28/2025	SRV_ON
242223892-BA-1.000	SM-SR-D4	1"	7220 AVENUE B ST HOUSTON TX 77011	2/28/2025	SRV_ON
241361731-BA-1.000	SM-SR-D4	1"	7224 AVENUE B ST HOUSTON TX 77011	3/26/2025	SRV_ON
242223605-BA-1.000	SM-SR-D4	1"	7228 AVENUE B HOUSTON TX 77011-3732	4/29/2025	SRV_ON
50582150-TR-0.625	SM-SR-D4	0.625"	7316 AVENUE B HOUSTON TX 77011-3821	6/15/1994	
47649350-TR-1.000	SM-SR-D4	1"	7320 AVENUE B HOUSTON TX 77011-3821	10/3/1998	
92248174-BA-0.625	SM-SR-D4	0.625"	7332 AVENUE B HOUSTON TX 77011-3821	9/8/1992	
28393474-RW-0.625	SM-SR-D4	0.625"	7334 AVENUE B HOUSTON TX 77011-3821	1/1/1987	
06216473-BA-0.625	SM-SR-D4	0.625"	7341 AVENUE B HOUSTON TX 77011-3820	8/15/2006	SRV_ON

AVENUE C

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
03004343-BA-0.625	SM-SR-D4	0.625"	6403 AVENUE C HOUSTON TX 77011-3407	8/4/2003	SRV_ON
02080739-BA-0.625	SM-SR-D4	0.625"	6405 AVENUE C 324 HOUSTON TX 77011-3407	5/17/2002	SRV_ON
02060141-BA-0.625	SM-SR-D4	0.625"	6407 AVENUE C HOUSTON TX 77011-3407	5/14/2002	SRV_ON
02063822-BA-0.625	SM-SR-D4	0.625"	6408 AVENUE C HOUSTON TX 77011-3408	5/14/2002	SRV_ON
02060136-BA-0.625	SM-SR-D4	0.625"	6409 AVENUE C HOUSTON TX 77011-3407	5/14/2002	SRV_ON
02060139-BA-0.625	SM-SR-D4	0.625"	6410 AVENUE C HOUSTON TX 77011-3408	5/14/2002	SRV_ON
02060140-BA-0.625	SM-SR-D4	0.625"	6411 AVENUE C HOUSTON TX 77011-3407	5/14/2002	SRV_ON
02063821-BA-0.625	SM-SR-D4	0.625"	6415 AVENUE C HOUSTON TX 77011-3407	5/14/2002	SRV_ON
10522536-BA-0.625	SM-SR-D4	0.625"	6430 AVENUE C HOUSTON TX 77011-3408	6/11/2012	SRV_ON
99594422-BA-0.625	SM-SR-D4	0.625"	6501 AVENUE C HOUSTON TX 77011-3515	8/31/1999	SRV_ON
02079209-BA-0.625	SM-SR-D4	0.625"	6502 AVENUE C HOUSTON TX 77011-3516	5/14/2002	SRV_OFF
14396198-BA-1.000	SM-SR-D4	1"	6503 AVENUE C HOUSTON TX 77011-0000	6/18/2014	SRV_ON
03200254-BA-0.625	SM-SR-D4	0.625"	6504 AVENUE C HOUSTON TX 77011-3516	5/18/2006	SRV_ON
02063825-BA-0.625	SM-SR-D4	0.625"	6505 AVENUE C HOUSTON TX 77011-3515	5/14/2002	SRV_ON
02063824-BA-0.625	SM-SR-D4	0.625"	6506 AVENUE C HOUSTON TX 77011-3516	5/14/2002	SRV_ON
06206163-BA-0.625	SM-SR-D4	0.625"	6508 AVENUE C HOUSTON TX 77011-3516	5/18/2006	SRV_ON

AVENUE C (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
03200250-BA-0.625	SM-SR-D4	0.625"	6510 AVENUE C HOUSTON TX 77011-3516	5/18/2006	SRV_ON
02083957-BA-0.625	SM-SR-D4	0.625"	6512 AVENUE C HOUSTON TX 77011-3516	5/15/2002	SRV_ON
02083985-BA-0.625	SM-SR-D4	0.625"	6513 AVENUE C HOUSTON TX 77011-3515	5/15/2002	SRV_ON
90074258-SE-0.750	SM-SR-D4	0.75"	6514 AVENUE C HOUSTON TX 77011-3516	8/16/2021	SRV_ON
02082186-BA-0.625	SM-SR-D4	0.625"	6516 AVENUE C HOUSTON TX 77011-3516	5/16/2002	SRV_ON
02083986-BA-0.625	SM-SR-D4	0.625"	6519 AVENUE C HOUSTON TX 77011-3515	5/15/2002	SRV_ON
01032109-BA-0.625	SM-SR-D4	0.625"	6520 AVENUE C HOUSTON TX 77011-3516	5/20/2002	SRV_ON
02083956-BA-0.625	SM-SR-D4	0.625"	6523 AVENUE C HOUSTON TX 77011-3515	5/15/2002	SRV_ON
00167465-BA-0.625	SM-SR-D4	0.625"	6527 AVENUE C B HOUSTON TX 77011-0000	9/19/2002	SRV_ON
02083955-BA-0.625	SM-SR-D4	0.625"	6527 AVENUE C HOUSTON TX 77011-3515	5/15/2002	SRV_ON
02083954-BA-0.625	SM-SR-D4	0.625"	6531 AVENUE C HOUSTON TX 77011-3515	5/15/2002	SRV_ON
02083958-BA-0.625	SM-SR-D4	0.625"	6533 AVENUE C HOUSTON TX 77011-3515	5/15/2002	SRV_ON
02080617-BA-0.625	SM-SR-D4	0.625"	6601 AVENUE C HO HOUSTON TX 77011-3517	5/16/2002	SRV_ON
02083984-BA-0.625	SM-SR-D4	0.625"	6607 AVENUE C HOUSTON TX 77011-3517	5/15/2002	SRV_ON
02080616-BA-0.625	SM-SR-D4	0.625"	6608 AVENUE C HOUSTON TX 77011-3518	5/16/2002	SRV_ON
02080614-BA-0.625	SM-SR-D4	0.625"	6610 AVENUE C HOUSTON TX 77011-3518	5/16/2002	SRV_ON
02080613-BA-0.625	SM-SR-D4	0.625"	6611 AVENUE C HOUSTON TX 77011-3517	5/16/2002	SRV_ON
02080615-BA-0.625	SM-SR-D4	0.625"	6612 AVENUE C HOUSTON TX 77011-3518	5/16/2002	SRV_ON
02080612-BA-0.625	SM-SR-D4	0.625"	6615 AVENUE C HOUSTON TX 77011-3517	5/16/2002	SRV_ON
06206284-BA-0.625	SM-SR-D4	0.625"	6616 AVENUE C HOUSTON TX 77011-3518	5/18/2006	SRV_ON
230283690-BA-1.000	SM-SR-D4	1"	6617 AVENUE C #A HOUSTON TX 77011*	6/14/2023	SRV_ON
230283691-BA-1.000	SM-SR-D4	1"	6617 AVENUE C #B HOUSTON TX 77011*	6/14/2023	SRV_ON
09500838-BA-0.625	SM-SR-D4	0.625"	6619 AVENUE C HOUSTON TX 77011-3517	1/6/2010	SRV_ON
02060197-BA-0.625	SM-SR-D4	0.625"	6620 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02063807-BA-0.625	SM-SR-D4	0.625"	6622 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02063806-BA-0.625	SM-SR-D4	0.625"	6623 AVENUE C HOUSTON TX 77011-3517	5/13/2002	SRV_ON
02063804-BA-0.625	SM-SR-D4	0.625"	6625 AVENUE C HOUSTON TX 77011-3517	5/13/2002	SRV_ON
02060220-BA-0.625	SM-SR-D4	0.625"	6626 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02063805-BA-0.625	SM-SR-D4	0.625"	6628 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02060223-BA-0.625	SM-SR-D4	0.625"	6632 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_OFF
50595045-TR-0.625	SM-SR-D4	0.625"	6637 AVENUE C HOUSTON TX 77011-3517	6/2/1995	
02060224-BA-0.625	SM-SR-D4	0.625"	6638 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02063802-BA-0.625	SM-SR-D4	0.625"	6641 AVENUE C HOUSTON TX 77011-3517	5/13/2002	SRV_ON
02060249-BA-0.625	SM-SR-D4	0.625"	6644 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02060248-BA-0.625	SM-SR-D4	0.625"	6648 AVENUE C HOUSTON TX 77011-3518	5/13/2002	SRV_ON
02063803-BA-0.625	SM-SR-D4	0.625"	6649 AVENUE C HOUSTON TX 77011-3517	5/13/2002	SRV_ON
02060225-BA-0.625	SM-SR-D4	0.625"	6701 AVENUE C HOUSTON TX 77011-3519	5/13/2002	SRV_ON
00167960-BA-0.625	SM-SR-D4	0.625"	6702 AVENUE C HOUSTON TX 77011-3520	8/24/2000	SRV_ON
02060245-BA-0.625	SM-SR-D4	0.625"	6704 AVENUE C HOUSTON TX 77011-3520	5/13/2002	SRV_ON
09132484-BA-0.625	SM-SR-D4	0.625"	6705 AVENUE C HOUSTON TX 77011-3519	4/6/2009	SRV_ON
02060244-BA-0.625	SM-SR-D4	0.625"	6706 AVENUE C HOUSTON TX 77011-3520	5/13/2002	SRV_ON
02060246-BA-0.625	SM-SR-D4	0.625"	6707 AVENUE C HOUSTON TX 77011-3519	5/13/2002	SRV_ON
14397099-BA-1.000	SM-SR-D4	1"	6708 AVENUE C #A HOUSTON TX 77011-0000	8/21/2014	SRV_ON
02060247-BA-0.625	SM-SR-D4	0.625"	6708 AVENUE C HOUSTON TX 77011-3520	5/13/2002	SRV_ON
02060153-BA-0.625	SM-SR-D4	0.625"	6709 AVENUE C HOUSTON TX 77011-3519	5/13/2002	SRV_ON
15832967-BA-1.000	SM-SR-D4	1"	6710 AVENUE C HOUSTON TX 77011-0000	7/17/2015	SRV_ON
02060151-BA-0.625	SM-SR-D4	0.625"	6711 AVENUE C HOUSTON TX 77011-3519	5/13/2002	SRV_ON
15832965-BA-1.000	SM-SR-D4	1"	6714 AVENUE C HOUSTON TX 77011-0000	7/17/2015	SRV_ON
02060152-BA-0.625	SM-SR-D4	0.625"	6720 AVENUE C HOUSTON TX 77011-3520	5/13/2002	SRV_ON

AVENUE C (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02060150-BA-0.625	SM-SR-D4	0.625"	6725 AVENUE C P1-1 HOUSTON TX 77011-3519	5/13/2002	SRV_ON
02060149-BA-0.625	SM-SR-D4	0.625"	6728 AVENUE C HOUSTON TX 77011-3520	5/13/2002	SRV_ON
02083996-BA-0.625	SM-SR-D4	0.625"	6731 AVENUE C HOUSTON TX 77011-3519	5/15/2002	SRV_ON
03131913-BA-1.000	SM-SR-D4	1"	6732 AVENUE C HOUSTON TX 77011-3520	8/14/2003	SRV_ON
02083997-BA-0.625	SM-SR-D4	0.625"	6733 AVENUE C HOUSTON TX 77011-3519	5/15/2002	SRV_ON
02083999-BA-0.625	SM-SR-D4	0.625"	6735 AVENUE C HOUSTON TX 77011-3519	5/15/2002	SRV_ON
02060148-BA-0.625	SM-SR-D4	0.625"	6738 AVENUE C HOUSTON TX 77011-3520	5/13/2002	SRV_ON
02084000-BA-0.625	SM-SR-D4	0.625"	6741 AVENUE C HOUSTON TX 77011-3519	5/15/2002	SRV_ON
06208690-BA-0.625	SM-SR-D4	0.625"	6747 AVENUE C HOUSTON TX 77011-3519	5/18/2006	SRV_ON
06327895-BA-1.000	SM-SR-D4	1"	6801 AVENUE C P1-1 HOUSTON TX 77011-0000	12/5/2006	SRV_ON
02084018-BA-0.625	SM-SR-D4	0.625"	6805 AVENUE C HOUSTON TX 77011-3617	5/15/2002	SRV_ON
02084014-BA-0.625	SM-SR-D4	0.625"	6807 AVENUE C HOUSTON TX 77011-3617	5/15/2002	SRV_ON
02084019-BA-0.625	SM-SR-D4	0.625"	6810 AVENUE C HOUSTON TX 77011-3618	5/15/2002	SRV_ON
02084015-BA-0.625	SM-SR-D4	0.625"	6815 AVENUE C HOUSTON TX 77011-3617	5/15/2002	SRV_ON
02084016-BA-0.625	SM-SR-D4	0.625"	6816 AVENUE C P1-2 HOUSTON TX 77011-3618	5/15/2002	SRV_ON
02424418-BA-0.625	SM-SR-D4	0.625"	6818 AVENUE C #A HOUSTON TX 77011-0000	7/9/2003	SRV_ON
02083967-BA-0.625	SM-SR-D4	0.625"	6818 AVENUE C P1-1 HOUSTON TX 77011-3618	5/15/2002	SRV_ON
06206251-BA-0.625	SM-SR-D4	0.625"	6819 AVENUE C 1 HOUSTON TX 77011-3617	5/18/2006	SRV_ON
06206256-BA-0.625	SM-SR-D4	0.625"	6819 AVENUE C 2 HOUSTON TX 77011-3617	5/18/2006	SRV_OFF
06206252-BA-0.625	SM-SR-D4	0.625"	6819 AVENUE C 4 HOUSTON TX 77011-3617	5/18/2006	LN_PLUGGED
26608635-EM-0.625	SM-SR-D4	0.625"	6821 AVENUE C 1 HOUSTON TX 77011-3617	4/25/1961	
06207998-BA-0.625	SM-SR-D4	0.625"	6821 AVENUE C 2 HOUSTON TX 77011-3617	5/22/2006	SRV_ON
06208002-BA-0.625	SM-SR-D4	0.625"	6821 AVENUE C 3 HOUSTON TX 77011-3617	5/22/2006	SRV_ON
99577870-BA-0.625	SM-SR-D4	0.625"	6825 AVENUE C 1 HOUSTON TX 77011-3617	7/20/1999	SRV_ON
13050541-BA-0.625	SM-SR-D4	0.625"	6825 AVENUE C 2 HOUSTON TX 77011-3617	1/20/1984	
12970281-BA-0.625	SM-SR-D4	0.625"	6825 AVENUE C 3 HOUSTON TX 77011-3617	3/28/1961	
99577867-BA-0.625	SM-SR-D4	0.625"	6825 AVENUE C 4 HOUSTON TX 77011-3617	7/20/1999	SRV_ON
02083969-BA-0.625	SM-SR-D4	0.625"	6826 AVENUE C HOUSTON TX 77011-0000	5/15/2002	SRV_ON
30864276-EM-0.625	SM-SR-D4	0.625"	6827 AVENUE C 1 HOUSTON TX 77011-3617	1/1/1987	
09138855-BA-0.625	SM-SR-D4	0.625"	6827 AVENUE C 3 HOUSTON TX 77011-3617	3/4/2010	SRV_ON
02083971-BA-0.625	SM-SR-D4	0.625"	6830 AVENUE C HOUSTON TX 77011-3618	5/15/2002	SRV_ON
11531391-BA-0.625	SM-SR-D4	0.625"	6833 AVENUE C HOUSTON TX 77011-0000	5/8/2013	SRV_ON
26607512-EM-0.625	SM-SR-D4	0.625"	6834 AVENUE C P1-2 HOUSTON TX 77011-3618	1/1/1987	
02079239-BA-0.625	SM-SR-D4	0.625"	6836 AVENUE C HOUSTON TX 77011-3618	5/15/2002	SRV_ON
02083970-BA-0.625	SM-SR-D4	0.625"	6840 AVENUE C HOUSTON TX 77011-3618	5/15/2002	SRV_ON
02082053-BA-0.625	SM-SR-D4	0.625"	6841 AVENUE C HOUSTON TX 77011-3617	5/16/2002	SRV_ON
02082057-BA-0.625	SM-SR-D4	0.625"	6845 AVENUE C HOUSTON TX 77011-3617	5/16/2002	SRV_ON
02079249-BA-0.625	SM-SR-D4	0.625"	6901 AVENUE C HOUSTON TX 77011-3619	5/14/2002	SRV_ON
02079247-BA-0.625	SM-SR-D4	0.625"	6905 AVENUE C HOUSTON TX 77011-3619	5/14/2002	SRV_ON
06208001-BA-0.625	SM-SR-D4	0.625"	6910 AVENUE C HOUSTON TX 77011-0000	5/22/2006	SRV_ON
02079231-BA-0.625	SM-SR-D4	0.625"	6911 AVENUE C HOUSTON TX 77011-3619	5/14/2002	SRV_ON
01060103-BA-0.625	SM-SR-D4	0.625"	6912 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02079244-BA-0.625	SM-SR-D4	0.625"	6915 AVENUE C HOUSTON TX 77011-3619	5/14/2002	SRV_ON
02079240-BA-0.625	SM-SR-D4	0.625"	6916 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02079278-BA-0.625	SM-SR-D4	0.625"	6917 AVENUE C HOUSTON TX 77011-3619	5/14/2002	SRV_ON
02079242-BA-0.625	SM-SR-D4	0.625"	6918 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02060236-BA-0.625	SM-SR-D4	0.625"	6921 AVENUE C HOUSTON TX 77011-3619	5/15/2002	SRV_ON
99576679-BA-1.000	SM-SR-D4	1"	6923 AVENUE C A HOUSTON TX 77011-3619	5/15/2002	SRV_ON
02079215-BA-0.625	SM-SR-D4	0.625"	6925 AVENUE C HOUSTON TX 77011-0000	5/15/2002	SRV_ON

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr. Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
HARRISBURG BLVD, AVE B-C

(SHEET 2 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 199 OF 318	

PLOTTED: 12/12/2025 1:59 PM
FILE PATH: J:\COHoustonPWE\200000016600_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

AVENUE C (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02060164-BA-0.625	SM-SR-D4	0.625"	6926 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02063707-BA-0.625	SM-SR-D4	0.625"	6928 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02060235-BA-0.625	SM-SR-D4	0.625"	6938 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02060237-BA-0.625	SM-SR-D4	0.625"	6940 AVENUE C HOUSTON TX 77011-3620	5/15/2002	SRV_ON
02060232-BA-0.625	SM-SR-D4	0.625"	6942 AVENUE C 1 HOUSTON TX 77011-3620	5/15/2002	SRV_OFF
02060233-BA-0.625	SM-SR-D4	0.625"	6942 AVENUE C 3 HOUSTON TX 77011-3620	5/15/2002	SRV_OFF
02079216-BA-0.625	SM-SR-D4	0.625"	6942 AVENUE C 4 HOUSTON TX 77011-3620	5/15/2002	SRV_OFF
08714230-HE-1.000	SM-SR-D4	1"	6944 AVENUE C HOUSTON TX 77011-0000	8/21/2009	SRV_ON
02061980-BA-0.625	SM-SR-D4	0.625"	7001 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
06560380-BA-0.625	SM-SR-D4	0.625"	7002 AVENUE C HOUSTON TX 77011-3734	4/9/2007	SRV_ON
02061979-BA-0.625	SM-SR-D4	0.625"	7003 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
02061978-BA-0.625	SM-SR-D4	0.625"	7006 AVENUE C HOUSTON TX 77011-3734	5/31/2002	SRV_ON
02061981-BA-0.625	SM-SR-D4	0.625"	7009 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
02061983-BA-0.625	SM-SR-D4	0.625"	7010 AVENUE C HOUSTON TX 77011-3734	5/31/2002	SRV_ON
02077320-BA-0.625	SM-SR-D4	0.625"	7011 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
02077433-BA-0.625	SM-SR-D4	0.625"	7013 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
18063229-BA-1.000	SM-SR-D4	1"	7014 AVENUE C #A HOUSTON TX 77011-0000	11/5/2018	SRV_ON
18063226-BA-1.000	SM-SR-D4	1"	7014 AVENUE C #B HOUSTON TX 77011-0000	11/5/2018	SRV_ON
201082185-BA-1.000	SM-SR-D4	1"	7014 AVENUE C #C HOUSTON TX 77011	11/25/2020	SRV_ON
201082176-BA-1.000	SM-SR-D4	1"	7014 AVENUE C #D HOUSTON TX 77011	11/25/2020	SRV_ON
06561809-BA-1.500	SM-SR-D5	1.5"	7020 AVENUE C HOUSTON TX 77011-3734	1/16/2009	SRV_ON
02077434-BA-0.625	SM-SR-D4	0.625"	7021 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
02077432-BA-0.625	SM-SR-D4	0.625"	7023 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
02077435-BA-0.625	SM-SR-D4	0.625"	7025 AVENUE C HOUSTON TX 77011-3733	5/31/2002	SRV_ON
09132705-BA-0.625	SM-SR-D4	0.625"	7027 AVENUE C HOUSTON TX 77011-3733	5/11/2009	SRV_ON
03269573-BA-0.625	SM-SR-D4	0.625"	7029 AVENUE C HOUSTON TX 77011-3733	8/25/2004	SRV_ON
02080574-BA-0.625	SM-SR-D4	0.625"	7031 AVENUE C 02 HOUSTON TX 77011-3733	6/4/2002	SRV_ON
00182193-BA-0.625	SM-SR-D4	0.625"	7033 AVENUE C HOUSTON TX 77011-3733	12/14/2001	SRV_ON
02077437-BA-0.625	SM-SR-D4	0.625"	7101 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
09131578-BA-0.625	SM-SR-D4	0.625"	7105 AVENUE C HOUSTON TX 77011-3735	5/16/2009	SRV_ON
02077319-BA-0.625	SM-SR-D4	0.625"	7109 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
00175975-BA-0.625	SM-SR-D4	0.625"	7110 AVENUE C HOUSTON TX 77011-3736	11/4/2002	SRV_ON
50566679-TR-0.625	SM-SR-D4	0.625"	7112 AVENUE C HOUSTON TX 77011-3736	12/2/1993	SRV_ON
02077318-BA-0.625	SM-SR-D4	0.625"	7121 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
02077323-BA-0.625	SM-SR-D4	0.625"	7127 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
00196869-BA-0.625	SM-SR-D4	0.625"	7129 AVENUE C HOUSTON TX 77011-3735	12/5/2001	SRV_ON
02077321-BA-0.625	SM-SR-D4	0.625"	7131 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
02077322-BA-0.625	SM-SR-D4	0.625"	7141 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
02062081-BA-0.625	SM-SR-D4	0.625"	7145 AVENUE C HOUSTON TX 77011-3735	5/31/2002	SRV_ON
03265711-BA-0.625	SM-SR-D4	0.625"	7207 AVENUE C HOUSTON TX 77011-3737	3/23/2004	SRV_ON
05303115-BA-0.625	SM-SR-D4	0.625"	7209 AVENUE C P1-2 HOUSTON TX 77011-3737	10/27/2005	SRV_ON
210289887-BA-0.625	SM-SR-D4	0.625"	7211 AVENUE C HOUSTON TX 77011-3737	10/7/2021	
06234448-BA-0.625	SM-SR-D4	0.625"	7217 AVENUE C HOUSTON TX 77011-3737	8/15/2006	SRV_MGLOCK
01008882-BA-0.625	SM-SR-D4	0.625"	7219 AVENUE C HOUSTON TX 77011-3737	11/4/2002	SRV_ON
02080571-BA-0.625	SM-SR-D4	0.625"	7221 AVENUE C HOUSTON TX 77011-3737	6/4/2002	SRV_ON
99589382-BA-0.625	SM-SR-D4	0.625"	7225 AVENUE C HOUSTON TX 77011-3737	11/4/2002	SRV_ON
04147652-BA-0.625	SM-SR-D4	0.625"	7229 AVENUE C HOUSTON TX 77011-3737	3/30/2005	SRV_ON
01097394-BA-0.625	SM-SR-D4	0.625"	7235 AVENUE C P1-1 HOUSTON TX 77011-3737	1/18/2002	SRV_ON
02062083-BA-0.625	SM-SR-D4	0.625"	7239 AVENUE C HOUSTON TX 77011-3737	5/31/2002	SRV_ON

AVENUE C (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02080570-BA-0.625	SM-SR-D4	0.625"	7241 AVENUE C HOUSTON TX 77011-3737	6/4/2002	SRV_ON
18971158-BA-2.000	SM-SR-D5	2"	7250 AVENUE C HOUSTON TX 77011-0000	6/7/2019	SRV_ON
18971158-BA-2.000	SM-SR-D5	2"	7250 AVENUE C HOUSTON TX 77011-0000	6/7/2019	SRV_ON
18971146-BA-2.000	SM-SR-D5	2"	7350 AVENUE C HOUSTON TX 77011-0000	6/7/2019	SRV_ON
18971146-BA-2.000	SM-SR-D5	2"	7350 AVENUE C HOUSTON TX 77011-0000	6/7/2019	SRV_ON

SHERMAN ST

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
05294525		0.625"	6307 SHERMAN HOUSTON TX 77011-3447*		
02424408		0.625"	6309 SHERMAN 1701 HOUSTON TX 77011-3447*		
01059351		0.625"	6319 SHERMAN HOUSTON TX 77011-3447*		
02079978-BA-0.625	SM-SR-D4	0.625"	6402 SHERMAN HOUSTON TX 77011-3450	5/10/2002	SRV_ON
02079977-BA-0.625	SM-SR-D4	0.625"	6404 SHERMAN HOUSTON TX 77011-3450	5/10/2002	SRV_ON
02079976-BA-0.625	SM-SR-D4	0.625"	6410 SHERMAN HOUSTON TX 77011-3450	5/10/2002	SRV_ON
02049018-BA-0.625	SM-SR-D4	0.625"	6411 SHERMAN HOUSTON TX 77011-3449	5/10/2002	SRV_ON
02049019-BA-0.625	SM-SR-D4	0.625"	6415 SHERMAN HOUSTON TX 77011-3449	2/24/1997	SRV_OFF
00195513-BA-0.625	SM-SR-D4	0.625"	6418 SHERMAN HOUSTON TX 77011-3450	5/10/2002	SRV_ON
11543165-BA-1.500	SM-SR-D5	1.5"	6501 SHERMAN P1-2 HOUSTON TX 77011-3521	4/25/2013	SRV_ON
16759662-T1-MK	SM-SR-D4	1.5"	6501 SHERMAN P1-2 HOUSTON TX 77011-3521	4/10/2001	SRV_ON
16759663-T1-BD	SM-SR-D4	3"	6501 SHERMAN P1-2 HOUSTON TX 77011-3521	4/10/2001	SRV_ON
70041502-TR-3.000	CM-2SR-D45	3"	6501 SHERMAN P1-2 HOUSTON TX 77011-3521	7/17/1998	SRV_ON
01030051-BA-0.625	SM-SR-D4	0.625"	6502 SHERMAN HOUSTON TX 77011-3522	5/10/2002	SRV_ON
01030004-BA-0.625	SM-SR-D4	0.625"	6504 SHERMAN HOUSTON TX 77011-3522	6/8/1953	SRV_ON
99582891-BA-0.625	SM-SR-D4	0.625"	6506 SHERMAN HOUSTON TX 77011-3522	7/17/2001	SRV_ON
01064535-BA-0.625	SM-SR-D4	0.625"	6514 SHERMAN #A HOUSTON TX 77011-0000	3/14/2002	SRV_ON
02058917-BA-0.625	SM-SR-D4	0.625"	6514 SHERMAN HOUSTON TX 77011-3522	5/10/2002	SRV_ON
02058916-BA-0.625	SM-SR-D4	0.625"	6522 SHERMAN HOUSTON TX 77011-3522	5/10/2002	SRV_ON
02049347-BA-0.625	SM-SR-D4	0.625"	6524 SHERMAN HOUSTON TX 77011-3522	6/7/2002	SRV_ON
02058915-BA-0.625	SM-SR-D4	0.625"	6526 SHERMAN HOUSTON TX 77011-3522	5/15/2002	SRV_ON
06319882-BA-0.625	SM-SR-D4	0.625"	6530 SHERMAN #1 HOUSTON TX 77011-0000	11/8/2006	SRV_ON
02081569-BA-0.625	SM-SR-D4	0.625"	6530 SHERMAN #6 HOUSTON TX 77011-3522	5/14/2002	SRV_ON
01009912-BA-0.625	SM-SR-D4	0.625"	6600 SHERMAN HOUSTON TX 77011-3524	4/9/2001	SRV_ON
02081571-BA-0.625	SM-SR-D4	0.625"	6604 SHERMAN HOUSTON TX 77011-3524	5/14/2002	SRV_ON
12753768-BA-0.625	SM-SR-D4	0.625"	6606 SHERMAN HOUSTON TX 77011-3524	9/19/2014	SRV_ON
01066067-BA-0.625	SM-SR-D4	0.625"	6614 SHERMAN HOUSTON TX 77011-3524	6/4/2002	SRV_ON
00194856-BA-0.625	SM-SR-D4	0.625"	6615 SHERMAN HOUSTON TX 77011-3523	5/15/2001	SRV_ON
01089833-BA-0.625	SM-SR-D4	0.625"	6618 SHERMAN HOUSTON TX 77011-0000	9/12/2005	SRV_ON
02081388-BA-0.625	SM-SR-D4	0.625"	6619 SHERMAN HOUSTON TX 77011-3523	5/13/2002	SRV_ON
02081386-BA-0.625	SM-SR-D4	0.625"	6620 SHERMAN HOUSTON TX 77011-3524	5/13/2002	SRV_ON
02081398-BA-0.625	SM-SR-D4	0.625"	6621 SHERMAN HOUSTON TX 77011-3523	5/10/2002	SRV_ON
06319941-BA-0.625	SM-SR-D4	0.625"	6623 SHERMAN HOUSTON TX 77011-3523	11/17/2006	SRV_ON
02081400-BA-0.625	SM-SR-D4	0.625"	6625 SHERMAN HOUSTON TX 77011-3523	5/10/2002	SRV_ON
11530690-BA-0.625	SM-SR-D4	0.625"	6627 SHERMAN HOUSTON TX 77011-3523	11/26/2012	SRV_OFF
02063541-BA-0.625	SM-SR-D4	0.625"	6628 SHERMAN HOUSTON TX 77011-3524	5/11/2002	SRV_ON
06559001-BA-0.625	SM-SR-D4	0.625"	6629 SHERMAN HOUSTON TX 77011-3523	2/9/2007	SRV_ON
02063543-BA-0.625	SM-SR-D4	0.625"	6630 SHERMAN HOUSTON TX 77011-3524	5/11/2002	SRV_ON
10521320-BA-0.625	SM-SR-D4	0.625"	6632 SHERMAN HOUSTON TX 77011-3524	3/12/2012	SRV_ON
02081399-BA-0.625	SM-SR-D4	0.625"	6636 SHERMAN HOUSTON TX 77011-3524	6/4/2002	SRV_ON

SHERMAN ST (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02063542-BA-0.625	SM-SR-D4	0.625"	6638 SHERMAN HOUSTON TX 77011-3524	5/11/2002	SRV_ON
04146955-BA-0.625	SM-SR-D4	0.625"	6642 SHERMAN HOUSTON TX 77011-3524	9/2/2005	SRV_ON
02081401-BA-0.625	SM-SR-D4	0.625"	6645 SHERMAN HOUSTON TX 77011-3523	5/10/2002	SRV_ON
02081403-BA-0.625	SM-SR-D4	0.625"	6648 SHERMAN HOUSTON TX 77011-3524	5/10/2002	SRV_ON
02063523-BA-0.625	SM-SR-D4	0.625"	6702 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02063521-BA-0.625	SM-SR-D4	0.625"	6703 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_ON
02063525-BA-0.625	SM-SR-D4	0.625"	6704 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02063520-BA-0.625	SM-SR-D4	0.625"	6705 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_ON
02081402-BA-0.625	SM-SR-D4	0.625"	6706 SHERMAN HOUSTON TX 77011-3526	5/10/2002	SRV_ON
02081344-BA-0.625	SM-SR-D4	0.625"	6708 SHERMAN HOUSTON TX 77011-3526	8/22/1989	SRV_ON
02081414-BA-0.625	SM-SR-D4	0.625"	6709 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_OFF
02063522-BA-0.625	SM-SR-D4	0.625"	6710 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02063524-BA-0.625	SM-SR-D4	0.625"	6712 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02081415-BA-0.625	SM-SR-D4	0.625"	6713 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_OFF
02063540-BA-0.625	SM-SR-D4	0.625"	6714 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02081413-BA-0.625	SM-SR-D4	0.625"	6715 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_ON
09516266-BA-0.625	SM-SR-D4	0.625"	6716 SHERMAN HOUSTON TX 77011-3526	8/10/2010	SRV_ON
02424114-BA-0.625	SM-SR-D4	0.625"	6717 SHERMAN HOUSTON TX 77011-3525	3/10/2003	SRV_ON
02058862-BA-0.625	SM-SR-D4	0.625"	6718 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02058824-BA-0.625	SM-SR-D4	0.625"	6719 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_ON
02063539-BA-0.625	SM-SR-D4	0.625"	6720 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
02079939-BA-0.625	SM-SR-D4	0.625"	6721 SHERMAN HOUSTON TX 77011-3525	5/11/2002	SRV_ON
02063538-BA-0.625	SM-SR-D4	0.625"	6722 SHERMAN HOUSTON TX 77011-3526	5/11/2002	SRV_ON
06587631-BA-0.625	SM-SR-D4	0.625"	6723 SHERMAN 02 HOUSTON TX 77011-3525	9/5/2008	SRV_ON
00176114-BA-0.625	SM-SR-D4	0.625"	6724 SHERMAN 1/2 HOUSTON TX 77011-3526	8/24/2001	SRV_ON
01063474-BA-0.625	SM-SR-D4	0.625"	6724 SHERMAN P2-1 HOUSTON TX 77011-3526	8/24/2001	SRV_OFF
06233890-BA-0.625	SM-SR-D4	0.625"	6725 SHERMAN 02 HOUSTON TX 77011-3525	8/16/2006	SRV_ON
06561591-BA-2.000	SM-SR-D5	2"	6802 SHERMAN HOUSTON TX 77011-3640	5/9/2007	SRV_ON
02081902-BA-0.625	SM-SR-D4	0.625"	6805 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
02081903-BA-0.625	SM-SR-D4	0.625"	6807 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
02082150-BA-0.625	SM-SR-D4	0.625"	6808 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_ON
02082148-BA-0.625	SM-SR-D4	0.625"	6809 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
02082149-BA-0.625	SM-SR-D4	0.625"	6810 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_ON
02082173-BA-0.625	SM-SR-D4	0.625"	6812 SHERMAN #1 HOUSTON TX 77011-3640	5/16/2002	SRV_ON
02082174-BA-0.625	SM-SR-D4	0.625"	6812 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_ON
02081904-BA-0.625	SM-SR-D4	0.625"	6814 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_ON
06208712-BA-0.625	SM-SR-D4	0.625"	6816 SHERMAN HOUSTON TX 77011-3640	5/22/2006	SRV_ON
02082172-BA-0.625	SM-SR-D4	0.625"	6817 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
02082177-BA-0.625	SM-SR-D4	0.625"	6819 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
02082176-BA-0.625	SM-SR-D4	0.625"	6820 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_ON
06560305-BA-0.625	SM-SR-D4	0.625"	6821 SHERMAN HOUSTON TX 77011-3639	3/30/2007	SRV_ON
02082175-BA-0.625	SM-SR-D4	0.625"	6822 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_ON
02081905-BA-0.625	SM-SR-D4	0.625"	6823 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
99592619-BA-0.625	SM-SR-D4	0.625"	6824 SHERMAN HOUSTON TX 77011-3640	3/15/2002	SRV_ON
02081906-BA-0.625	SM-SR-D4	0.625"	6828 SHERMAN HOUSTON TX 77011-3640	5/16/2002	SRV_OFF
02081907-BA-0.625	SM-SR-D4	0.625"	6845 SHERMAN HOUSTON TX 77011-3639	5/16/2002	SRV_ON
06327414-BA-1.500	SM-SR-D5	1.5"	6902 SHERMAN HOUSTON TX 77011-3624	12/14/2009	SRV_ON
02063721-BA-0.625	SM-SR-D4	0.625"	6905 SHERMAN 02 HOUSTON TX 77011-3623	5/13/2002	SRV_ON
02063837-BA-0.625	SM-SR-D4	0.625"	6911 SHERMAN HOUSTON TX 77011-3623	5/13/2002	SRV_ON

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
AVE C & SHERMAN ST

(SHEET 3 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 200 OF 318	

PLOTTED: 12/12/2025 1:59 PM

FILE PATH: J:\COHoustonPWE\20000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

SHERMAN ST (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
230284463-BA-1.000	SM-SR-D4	1"	6915 SHERMAN ST HOUSTON TX 77011*	11/28/2023	
222134565-BA-1.000	SM-SR-D4	1"	6917 SHERMAN ST HOUSTON TX 77011	2/7/2023	SRV_ON
02337512-BA-0.625	SM-SR-D4	0.625"	6918 SHERMAN HOUSTON TX 77011-3624	11/18/2002	SRV_ON
02063782-BA-0.625	SM-SR-D4	0.625"	6919 SHERMAN HOUSTON TX 77011-3623	5/13/2002	SRV_ON
02079228-BA-0.625	SM-SR-D4	0.625"	6920 SHERMAN HOUSTON TX 77011-3624	5/14/2002	SRV_ON
00147610-BA-0.625	SM-SR-D4	0.625"	6921 SHERMAN HOUSTON TX 77011-3623	5/21/2002	SRV_ON
02063779-BA-0.625	SM-SR-D4	0.625"	6929 SHERMAN HOUSTON TX 77011-3623	5/13/2002	SRV_ON
05294482-BA-0.625	SM-SR-D4	0.625"	6931 SHERMAN HOUSTON TX 77011-3623	1/4/2006	SRV_ON
06208713-BA-0.625	SM-SR-D4	0.625"	6932 SHERMAN HOUSTON TX 77011-3624	5/22/2006	SRV_ON
02063783-BA-0.625	SM-SR-D4	0.625"	6933 SHERMAN P1-1 HOUSTON TX 77011-3623	5/13/2002	SRV_ON
00047330-BA-1.000	SM-SR-D4	1"	6933 SHERMAN P1-2 HOUSTON TX 77011-3623	5/13/2002	SRV_ON
02079276-BA-0.625	SM-SR-D4	0.625"	6936 SHERMAN HOUSTON TX 77011-3624	5/14/2002	SRV_ON
02079275-BA-0.625	SM-SR-D4	0.625"	6938 SHERMAN HOUSTON TX 77011-3624	5/14/2002	SRV_ON
31219151-RW-0.625	SM-SR-D4	0.625"	6939 SHERMAN HOUSTON TX 77011-3623	5/4/1961	
02079279-BA-0.625	SM-SR-D4	0.625"	6940 SHERMAN HOUSTON TX 77011-3624	5/14/2002	SRV_ON
06559397-BA-0.625	SM-SR-D4	0.625"	6943 SHERMAN P1-2 HOUSTON TX 77011-3623	5/13/2002	SRV_ON
00001071-BA-0.625	SM-SR-D4	0.625"	6944 SHERMAN HOUSTON TX 77011-3624	7/18/2001	SRV_ON
02063751-BA-0.625	SM-SR-D4	0.625"	6945 SHERMAN HOUSTON TX 77011-0000	5/13/2002	SRV_ON
02063748-BA-0.625	SM-SR-D4	0.625"	7001 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02079277-BA-0.625	SM-SR-D4	0.625"	7002 SHERMAN HOUSTON TX 77011-3746	5/14/2002	SRV_ON
02079196-BA-0.625	SM-SR-D4	0.625"	7004 SHERMAN HOUSTON TX 77011-3746	5/14/2002	SRV_OFF
02063750-BA-0.625	SM-SR-D4	0.625"	7005 SHERMAN P1-1 HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02079274-BA-0.625	SM-SR-D4	0.625"	7006 SHERMAN HOUSTON TX 77011-3746	5/14/2002	SRV_ON
02079200-BA-0.625	SM-SR-D4	0.625"	7008 SHERMAN HOUSTON TX 77011-3746	5/14/2002	SRV_ON
02063749-BA-0.625	SM-SR-D4	0.625"	7009 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02079226-BA-0.625	SM-SR-D4	0.625"	7010 SHERMAN HOUSTON TX 77011-3746	5/14/2002	SRV_ON
02063753-BA-0.625	SM-SR-D4	0.625"	7011 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02079199-BA-0.625	SM-SR-D4	0.625"	7012 SHERMAN HOUSTON TX 77011-3746	2/3/1961	SRV_ON
02063719-BA-0.625	SM-SR-D4	0.625"	7013 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02079198-BA-0.625	SM-SR-D4	0.625"	7014 SHERMAN HOUSTON TX 77011-3746	5/14/2002	SRV_ON
06207999-BA-0.625	SM-SR-D4	0.625"	7016 SHERMAN HOUSTON TX 77016-0000	5/22/2006	SRV_ON
02063729-BA-0.625	SM-SR-D4	0.625"	7017 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02063726-BA-0.625	SM-SR-D4	0.625"	7018 SHERMAN HOUSTON TX 77011-3746	5/13/2002	SRV_ON
02063724-BA-0.625	SM-SR-D4	0.625"	7019 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
99581436-BA-0.625	SM-SR-D4	0.625"	7020 SHERMAN HOUSTON TX 77011-3746	5/15/2002	SRV_ON
02063728-BA-0.625	SM-SR-D4	0.625"	7025 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
00064756-BA-1.500	SM-SR-D5	1.5"	7026 SHERMAN HOUSTON TX 77011-0000	6/14/2004	SRV_ON
13280702-BA-0.625	SM-SR-D4	0.625"	7027 SHERMAN HOUSTON TX 77011-3745	1/1/1987	
06562075-BA-0.625	SM-SR-D4	0.625"	7029 SHERMAN HOUSTON TX 77011-3745	7/18/2007	SRV_ON
02063725-BA-0.625	SM-SR-D4	0.625"	7031 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
99584188-BA-0.625	SM-SR-D4	0.625"	7035 SHERMAN HOUSTON TX 77011-3745	5/21/2002	SRV_ON
06586965-BA-0.625	SM-SR-D4	0.625"	7041 SHERMAN HOUSTON TX 77011-3745	6/29/2007	SRV_ON
02063718-BA-0.625	SM-SR-D4	0.625"	7045 SHERMAN HOUSTON TX 77011-3745	5/13/2002	SRV_ON
02063723-BA-0.625	SM-SR-D4	0.625"	7046 SHERMAN 4 HOUSTON TX 77011-3746	5/13/2002	SRV_ON
00105816-BA-0.625	SM-SR-D4	0.625"	7101 SHERMAN HOUSTON TX 77011-3747	8/14/2000	SRV_ON
02083796-BA-0.625	SM-SR-D4	0.625"	7103 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
99581697-BA-0.625	SM-SR-D4	0.625"	7104 SHERMAN HOUSTON TX 77011-3748	10/13/1999	SRV_ON
06208784-BA-0.625	SM-SR-D4	0.625"	7105 SHERMAN HOUSTON TX 77011-3747	5/23/2006	SRV_ON
02062068-BA-0.625	SM-SR-D4	0.625"	7106 SHERMAN HOUSTON TX 77011-3748	5/31/2002	SRV_ON

SHERMAN ST (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02083795-BA-0.625	SM-SR-D4	0.625"	7109 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
02046282-BA-0.625	SM-SR-D4	0.625"	7110 SHERMAN HOUSTON TX 77011-3748	5/31/2002	SRV_ON
02083794-BA-0.625	SM-SR-D4	0.625"	7113 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
05119086-BA-0.625	SM-SR-D4	0.625"	7117 SHERMAN HOUSTON TX 77011-3747	3/19/2008	SRV_ON
06208783-BA-0.625	SM-SR-D4	0.625"	7118 SHERMAN HOUSTON TX 77011-3748	5/23/2006	SRV_ON
02083793-BA-0.625	SM-SR-D4	0.625"	7119 SHERMAN P1-2 HOUSTON TX 77011-3747	6/1/2002	SRV_ON
06208785-BA-0.625	SM-SR-D4	0.625"	7120 SHERMAN HOUSTON TX 77011-3748	5/23/2006	SRV_ON
02083792-BA-0.625	SM-SR-D4	0.625"	7121 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
02077411-BA-0.625	SM-SR-D4	0.625"	7125 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
02077412-BA-0.625	SM-SR-D4	0.625"	7129 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
221870854-BA-0.625	SM-SR-D4	0.625"	7130 SHERMAN HOUSTON TX 77011-3748	9/26/2023	
02062070-BA-0.625	SM-SR-D4	0.625"	7132 SHERMAN HOUSTON TX 77011-3748	5/31/2002	SRV_ON
00013624-BA-0.625	SM-SR-D4	0.625"	7134 SHERMAN HOUSTON TX 77011-3748	9/12/2005	SRV_OFF
06208788-BA-0.625	SM-SR-D4	0.625"	7138 SHERMAN HOUSTON TX 77011-3748	5/23/2006	SRV_ON
99588085-BA-0.625	SM-SR-D4	0.625"	7139 SHERMAN HOUSTON TX 77011-3747	8/26/1999	SRV_ON
02389961-BA-0.625	SM-SR-D4	0.625"	7140 SHERMAN HOUSTON TX 77011-0000	11/9/2002	SRV_ON
99588161-BA-0.625	SM-SR-D4	0.625"	7143 SHERMAN HOUSTON TX 77011-3747	8/26/1999	SRV_ON
02077413-BA-0.625	SM-SR-D4	0.625"	7147 SHERMAN HOUSTON TX 77011-3747	6/1/2002	SRV_ON
09515642-BA-0.625	SM-SR-D4	0.625"	7148 SHERMAN HOUSTON TX 77011-3748	9/24/2010	SRV_ON
06208786-BA-0.625	SM-SR-D4	0.625"	7201 SHERMAN HOUSTON TX 77011-3765	5/23/2006	SRV_ON
02077408-BA-0.625	SM-SR-D4	0.625"	7205 SHERMAN HOUSTON TX 77011-3765	12/7/1963	SRV_OFF
240585738-BA-1.000	SM-SR-D4	1"	7209 SHERMAN ST HOUSTON TX 77011-0000*	6/27/2024	SRV_ON
02077355-BA-0.625	SM-SR-D4	0.625"	7214 SHERMAN HOUSTON TX 77011-3750	5/31/2002	SRV_ON
04146957-BA-0.625	SM-SR-D4	0.625"	7216 SHERMAN HOUSTON TX 77011-3750	9/7/2005	SRV_ON
221871113-BA-0.625	SM-SR-D4	0.625"	7219 SHERMAN HOUSTON TX 77011-3749	2/23/2024	
02062069-BA-0.625	SM-SR-D4	0.625"	7220 SHERMAN HOUSTON TX 77011-3750	5/31/2002	SRV_ON
02083871-BA-0.625	SM-SR-D4	0.625"	7223 SHERMAN HOUSTON TX 77011-3749	6/1/2002	SRV_ON
02077409-BA-0.625	SM-SR-D4	0.625"	7224 SHERMAN HOUSTON TX 77011-3750	6/1/2002	SRV_ON
02083870-BA-0.625	SM-SR-D4	0.625"	7225 SHERMAN HOUSTON TX 77011-3749	6/1/2002	SRV_ON
02389959-BA-0.625	SM-SR-D4	0.625"	7228 SHERMAN HOUSTON TX 77011-3750	11/9/2002	SRV_ON
02419526-BA-0.625	SM-SR-D4	0.625"	7231 SHERMAN HOUSTON TX 77011-3749	6/1/2002	SRV_ON
02389949-BA-0.625	SM-SR-D4	0.625"	7232 SHERMAN HOUSTON TX 77011-3750	11/9/2002	SRV_ON
02083827-BA-0.625	SM-SR-D4	0.625"	7234 SHERMAN HOUSTON TX 77011-3750	6/1/1956	SRV_ON
02083874-BA-0.625	SM-SR-D4	0.625"	7237 SHERMAN HOUSTON TX 77011-3749	6/1/2002	SRV_OFF
00110483-BA-0.625	SM-SR-D4	0.625"	7238 SHERMAN HOUSTON TX 77011-3750	7/13/2000	SRV_ON
02083875-BA-0.625	SM-SR-D4	0.625"	7239 SHERMAN HOUSTON TX 77011-3749	6/1/2002	SRV_ON
19331908-BA-0.625	SM-SR-D4	0.625"	7241 SHERMAN HOUSTON TX 77011-3749	11/20/2020	
02062049-BA-0.625	SM-SR-D4	0.625"	7244 SHERMAN HOUSTON TX 77011-3750	5/31/2002	SRV_ON
02062073-BA-0.625	SM-SR-D4	0.625"	7248 SHERMAN HOUSTON TX 77011-3750	5/31/2002	SRV_ON
242248377-BA-2.000	SM-SR-D5	2"	7301 SHERMAN ST HOUSTON TX 77011*	8/7/2025	SRV_ON
02389946-BA-0.625	SM-SR-D4	0.625"	7305 SHERMAN HOUSTON TX 77011-3834	11/9/2002	SRV_ON
02062045-BA-0.625	SM-SR-D4	0.625"	7307 SHERMAN HOUSTON TX 77011-3834	5/31/2002	SRV_ON
02062046-BA-0.625	SM-SR-D4	0.625"	7309 SHERMAN HOUSTON TX 77011-3834	5/31/2002	SRV_ON
06205359-BA-1.000	SM-SR-D4	1"	7310 SHERMAN #2 HOUSTON TX 77012-0000	5/23/2006	SRV_ON
06221839-BA-2.000	SM-SR-D5	2"	7310 SHERMAN 1/2 HOUSTON TX 77012-0000	1/8/2007	SRV_ON
70139202-TR-4.000	CM-2SR-D45	4"	7310 SHERMAN HOUSTON TX 77011-3800	12/11/2004	SRV_ON
00219283-BA-0.625	SM-SR-D4	0.625"	7313 SHERMAN HOUSTON TX 77011-3834	5/9/2002	SRV_ON
09501437-BA-0.625	SM-SR-D4	0.625"	7315 SHERMAN #A HOUSTON TX 77011-0000	9/1/2010	SRV_ON
02064941-BA-0.625	SM-SR-D4	0.625"	7315 SHERMAN HOUSTON TX 77011-3834	5/9/2002	SRV_ON

SHERMAN ST (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
18206282-BA-1.000	SM-SR-D4	1"	7316 SHERMAN HOUSTON TX 77011-3835	5/10/2018	SRV_ON
09132861-BA-0.625	SM-SR-D4	0.625"	7317 SHERMAN HOUSTON TX 77011-3834	5/28/2009	SRV_ON
26607758-EM-0.625	SM-SR-D4	0.625"	7320 SHERMAN HOUSTON TX 77011-3835	1/1/1987	
02062047-BA-0.625	SM-SR-D4	0.625"	7324 SHERMAN HOUSTON TX 77011-3835	5/31/2002	SRV_OFF
06561482-BA-2.000	SM-SR-D5	2"	7425 SHERMAN HOUSTON TX 77011-3836	5/10/2007	SRV_OFF
32683313		0.625"	7619 SHERMAN HOUSTON TX 77012-1404*		
02343277		0.625"	7626 SHERMAN HOUSTON TX 77012-1405*		
80256870		0.625"	7640 SHERMAN HOUSTON TX 77012-1405*		

AVENUE E

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02063498-BA-0.625	SM-SR-D4	0.625"	6601 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
99590572-BA-0.625	SM-SR-D4	0.625"	6603 AVENUE E HOUSTON TX 77011-0000	11/9/1999	SRV_ON
02063496-BA-0.625	SM-SR-D4	0.625"	6607 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_OFF
02063499-BA-0.625	SM-SR-D4	0.625"	6611 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
02063500-BA-0.625	SM-SR-D4	0.625"	6615 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
02081404-BA-0.625	SM-SR-D4	0.625"	6616 AVENUE E HOUSTON TX 77011-3534	5/11/2002	SRV_ON
02081348-BA-0.625	SM-SR-D4	0.625"	6617 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
11532192-BA-1.000	SM-SR-D4	1"	6619 AVENUE E HOUSTON TX 77011-0000	1/11/2012	SRV_ON
02081406-BA-0.625	SM-SR-D4	0.625"	6620 AVENUE E HOUSTON TX 77011-3534	5/11/2002	SRV_ON
05307468-BA-0.625	SM-SR-D4	0.625"	6622 AVENUE E HOUSTON TX 77011-3534	4/9/2007	SRV_ON
02063501-BA-0.625	SM-SR-D4	0.625"	6623 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
02081581-BA-0.625	SM-SR-D4	0.625"	6624 AVENUE E HOUSTON TX 77011-3534	5/13/2002	SRV_ON
02062646-BA-0.625	SM-SR-D4	0.625"	6626 AVENUE E HOUSTON TX 77011-3534	5/13/2002	SRV_ON
02081349-BA-0.625	SM-SR-D4	0.625"	6627 AVENUE E P1-2 HOUSTON TX 77011-3533	5/11/2002	SRV_ON
01100886-BA-0.625	SM-SR-D4	0.625"	6628 AVENUE E HOUSTON TX 77011-3534	12/31/2001	SRV_ON
02081579-BA-0.625	SM-SR-D4	0.625"	6631 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
02081345-BA-0.625	SM-SR-D4	0.625"	6635 AVENUE E HOUSTON TX 77011-3533	5/11/2002	SRV_ON
221859185-BA-0.625	SM-SR-D4	0.625"	6639 AVENUE E HOUSTON TX 77011-3533	5/1/2025	
01031161-BA-0.625	SM-SR-D4	0.625"	6648 AVENUE E HOUSTON TX 77011-3534	5/13/2002	SRV_ON
02081411-BA-0.625	SM-SR-D4	0.625"	6701 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
02079938-BA-0.625	SM-SR-D4	0.625"	6705 AVENUE E HOUSTON TX 77011-3535	5/16/1960	SRV_ON
03130379-BA-0.625	SM-SR-D4	0.625"	6706 AVENUE E HOUSTON TX 77011-3536	9/7/2005	SRV_ON
02081419-BA-0.625	SM-SR-D4	0.625"	6707 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
05119139-BA-0.625	SM-SR-D4	0.625"	6712 AVENUE E HOUSTON TX 77011-3536	9/28/2005	SRV_ON
02081412-BA-0.625	SM-SR-D4	0.625"	6714 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON
01071579-BA-0.625	SM-SR-D4	0.625"	6715 AVENUE E HOUSTON TX 77011-3535	5/11/2002	SRV_ON
02079937-BA-0.625	SM-SR-D4	0.625"	6720 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON
02081421-BA-0.625	SM-SR-D4	0.625"	6722 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON
02081416-BA-0.625	SM-SR-D4	0.625"	6723 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
02081208-BA-0.625	SM-SR-D4	0.625"	6725 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
02081420-BA-0.625	SM-SR-D4	0.625"	6726 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON
02081206-BA-0.625	SM-SR-D4	0.625"	6727 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
02081094-BA-0.625	SM-SR-D4	0.625"	6729 AVENUE E HOUSTON TX 77011-3535	5/13/2002	SRV_ON
02081417-BA-0.625	SM-SR-D4	0.625"	6730 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON
02081418-BA-0.625	SM-SR-D4	0.625"	6732 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON
02059504-BA-0.625	SM-SR-D4	0.625"	6733 AVENUE E HOUSTON TX 77011-3535	5/13/2002	SRV_ON
02081210-BA-0.625	SM-SR-D4	0.625"	6734 AVENUE E HOUSTON TX 77011-3536	5/10/2002	SRV_ON

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr. Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE SHERMAN ST & AVE E

(SHEET 4 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 201 OF 318	

PLOTTED: 12/12/2025 1:59 PM
FILE PATH: J:\COHoustonPWE\200000016600_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

AVENUE E (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
09139563-BA-0.625	SM-SR-D4	0.625"	6736 AVENUE E HOUSTON TX 77011-3536	8/19/2009	SRV_ON
02081209-BA-0.625	SM-SR-D4	0.625"	6737 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
02081429-BA-0.625	SM-SR-D4	0.625"	6741 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
02081428-BA-0.625	SM-SR-D4	0.625"	6745 AVENUE E HOUSTON TX 77011-3535	5/10/2002	SRV_ON
01081207-BA-0.625	SM-SR-D4	0.625"	6748 AVENUE E 02 HOUSTON TX 77011-3536	5/10/2002	SRV_ON
02065326-BA-0.625	SM-SR-D4	0.625"	6800 AVENUE E HOUSTON TX 77011-3644	5/14/2002	SRV_ON
02065370-BA-0.625	SM-SR-D4	0.625"	6801 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
02063829-BA-0.625	SM-SR-D4	0.625"	6804 AVENUE E HOUSTON TX 77011-3644	5/14/2002	SRV_ON
02063830-BA-0.625	SM-SR-D4	0.625"	6806 AVENUE E HOUSTON TX 77011-3644	5/14/2002	SRV_ON
02063828-BA-0.625	SM-SR-D4	0.625"	6807 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_OFF
02079300-BA-0.625	SM-SR-D4	0.625"	6810 AVENUE E HOUSTON TX 77011-3644	5/14/2002	SRV_ON
02063831-BA-0.625	SM-SR-D4	0.625"	6811 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
02079309-BA-0.625	SM-SR-D4	0.625"	6815 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
02079304-BA-0.625	SM-SR-D4	0.625"	6819 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
02079308-BA-0.625	SM-SR-D4	0.625"	6823 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
02064927-BA-0.625	SM-SR-D4	0.625"	6824 AVENUE E HOUSTON TX 77011-3644	7/30/2002	SRV_ON
00148929-BA-0.625	SM-SR-D4	0.625"	6825 AVENUE E HOUSTON TX 77011-3643	6/8/2002	SRV_ON
02079307-BA-0.625	SM-SR-D4	0.625"	6826 AVENUE E HOUSTON TX 77011-3644	5/14/2002	SRV_ON
06234376-BA-0.625	SM-SR-D4	0.625"	6830 AVENUE E HOUSTON TX 77011-3644	8/16/2006	SRV_ON
02079173-BA-0.625	SM-SR-D4	0.625"	6831 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
02082055-BA-0.625	SM-SR-D4	0.625"	6832 AVENUE E HOUSTON TX 77011-3644	5/16/2002	SRV_ON
02079174-BA-0.625	SM-SR-D4	0.625"	6837 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
92033742-BA-0.625	SM-SR-D4	0.625"	6838 AVENUE E P2-1 HOUSTON TX 77011-3644	10/3/1992	
06208640-BA-0.625	SM-SR-D4	0.625"	6842 AVENUE E HOUSTON TX 77011-3644	5/22/2006	SRV_ON
02079175-BA-0.625	SM-SR-D4	0.625"	6845 AVENUE E HOUSTON TX 77011-3643	5/14/2002	SRV_ON
09500839-BA-0.625	SM-SR-D4	0.625"	6848 AVENUE E HOUSTON TX 77011-3644	1/6/2010	SRV_ON
02080859-BA-0.625	SM-SR-D4	0.625"	6901 AVENUE E HOUSTON TX 77011-3621	5/10/2002	SRV_ON
02080896-BA-0.625	SM-SR-D4	0.625"	6904 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02080850-BA-0.625	SM-SR-D4	0.625"	6905 AVENUE E HOUSTON TX 77011-3621	5/10/2002	SRV_OFF
02065308-BA-0.625	SM-SR-D4	0.625"	6908 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02080919-BA-0.625	SM-SR-D4	0.625"	6909 AVENUE E HOUSTON TX 77011-3621	5/10/2002	SRV_ON
00008659-BA-0.625	SM-SR-D4	0.625"	6911 AVENUE E HOUSTON TX 77011-3621	6/15/2002	SRV_ON
02080897-BA-0.625	SM-SR-D4	0.625"	6912 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02080918-BA-0.625	SM-SR-D4	0.625"	6915 AVENUE E HOUSTON TX 77011-3621	5/10/2002	SRV_ON
02059593-BA-0.625	SM-SR-D4	0.625"	6916 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
03269930-BA-0.625	SM-SR-D4	0.625"	6917 AVENUE E HOUSTON TX 77011-3621	9/27/2004	SRV_ON
02080894-BA-0.625	SM-SR-D4	0.625"	6918 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02080920-BA-0.625	SM-SR-D4	0.625"	6919 AVENUE E HOUSTON TX 77011-3621	5/10/2002	SRV_ON
02059595-BA-0.625	SM-SR-D4	0.625"	6920 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02080921-BA-0.625	SM-SR-D4	0.625"	6921 AVENUE E HOUSTON TX 77011-3621	5/10/2002	SRV_ON
02059594-BA-0.625	SM-SR-D4	0.625"	6922 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02079256-BA-0.625	SM-SR-D4	0.625"	6923 AVENUE E HOUSTON TX 77011-3621	5/14/2002	SRV_ON
02065352-BA-0.625	SM-SR-D4	0.625"	6924 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02063717-BA-0.625	SM-SR-D4	0.625"	6926 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02079255-BA-0.625	SM-SR-D4	0.625"	6927 AVENUE E HOUSTON TX 77011-3621	5/14/2002	SRV_ON
02079233-BA-0.625	SM-SR-D4	0.625"	6929 AVENUE E HOUSTON TX 77011-3621	5/14/2002	SRV_ON
02080899-BA-0.625	SM-SR-D4	0.625"	6930 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON
02079260-BA-0.625	SM-SR-D4	0.625"	6931 AVENUE E HOUSTON TX 77011-3621	5/14/2002	SRV_ON
02080898-BA-0.625	SM-SR-D4	0.625"	6942 AVENUE E HOUSTON TX 77011-3622	5/13/2002	SRV_ON

AVENUE E (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02079234-BA-0.625	SM-SR-D4	0.625"	7001 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
02079257-BA-0.625	SM-SR-D4	0.625"	7002 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079261-BA-0.625	SM-SR-D4	0.625"	7007 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
02079258-BA-0.625	SM-SR-D4	0.625"	7008 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079259-BA-0.625	SM-SR-D4	0.625"	7009 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
02079235-BA-0.625	SM-SR-D4	0.625"	7010 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
03269932-BA-0.625	SM-SR-D4	0.625"	7013 AVENUE E HOUSTON TX 77011-3739	9/27/2004	SRV_ON
02079245-BA-0.625	SM-SR-D4	0.625"	7014 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079251-BA-0.625	SM-SR-D4	0.625"	7015 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
12756134-BA-0.625	SM-SR-D4	0.625"	7020 AVENUE E HOUSTON TX 77011-3740	1/19/2014	SRV_ON
02079252-BA-0.625	SM-SR-D4	0.625"	7021 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_OFF
02079232-BA-0.625	SM-SR-D4	0.625"	7022 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079272-BA-0.625	SM-SR-D4	0.625"	7024 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079250-BA-0.625	SM-SR-D4	0.625"	7025 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
02079270-BA-0.625	SM-SR-D4	0.625"	7026 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079269-BA-0.625	SM-SR-D4	0.625"	7028 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079236-BA-0.625	SM-SR-D4	0.625"	7029 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
02079254-BA-0.625	SM-SR-D4	0.625"	7033 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
26368628-RW-0.625	SM-SR-D4	0.625"	7036 AVENUE E HOUSTON TX 77011-3740	1/1/1987	
03262378-BA-0.625	SM-SR-D4	0.625"	7037 AVENUE E HOUSTON TX 77011-3739	1/1/1987	SRV_ON
02079253-BA-0.625	SM-SR-D4	0.625"	7039 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
02079273-BA-0.625	SM-SR-D4	0.625"	7040 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
02079271-BA-0.625	SM-SR-D4	0.625"	7041 AVENUE E P1-2 HOUSTON TX 77011-3739	5/14/2002	SRV_ON
00010549-BA-0.625	SM-SR-D4	0.625"	7044 AVENUE E HOUSTON TX 77011-3740	11/6/2000	SRV_ON
02079230-BA-0.625	SM-SR-D4	0.625"	7045 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
17760753-BA-1.000	SM-SR-D4	1"	7047 AVENUE E ST #A HOUSTON TX 77011-0000	4/12/2018	SRV_ON
17760969-BA-1.000	SM-SR-D4	1"	7047 AVENUE E ST #B HOUSTON TX 77011-0000	4/12/2018	SRV_ON
02079201-BA-0.625	SM-SR-D4	0.625"	7048 AVENUE E HOUSTON TX 77011-3740	5/14/2002	SRV_ON
00116991-BA-1.000	SM-SR-D4	1"	7049 AVENUE E HOUSTON TX 77011-3739	5/14/2002	SRV_ON
99590773-BA-0.625	SM-SR-D4	0.625"	7052 AVENUE E A HOUSTON TX 77011-3740	10/21/1999	SRV_OFF
99593686-BA-0.625	SM-SR-D4	0.625"	7052 AVENUE E B HOUSTON TX 77011-3740	10/21/1999	SRV_OFF
02047421-BA-0.625	SM-SR-D4	0.625"	7100 AVENUE E HOUSTON TX 77011-3742	6/3/2002	SRV_ON
06234452-BA-0.625	SM-SR-D4	0.625"	7102 AVENUE E HOUSTON TX 77011-3742	8/15/2006	SRV_ON
01010595-BA-0.625	SM-SR-D4	0.625"	7104 AVENUE E HOUSTON TX 77011-3742	4/27/2001	SRV_ON
01010773-BA-0.625	SM-SR-D4	0.625"	7106 AVENUE E HOUSTON TX 77011-3742	4/9/2001	SRV_OFF
02047420-BA-0.625	SM-SR-D4	0.625"	7107 AVENUE E HOUSTON TX 77011-3741	6/3/2002	SRV_ON
06234451-BA-0.625	SM-SR-D4	0.625"	7109 AVENUE E HOUSTON TX 77011-3741	8/15/2006	SRV_ON
02047424-BA-0.625	SM-SR-D4	0.625"	7115 AVENUE E HOUSTON TX 77011-3741	6/3/2002	SRV_ON
06324943-BA-0.625	SM-SR-D4	0.625"	7116 AVENUE E 1/2 HOUSTON TX 77011-3742	11/8/2006	SRV_ON
02047425-BA-0.625	SM-SR-D4	0.625"	7117 AVENUE E HOUSTON TX 77011-3741	6/3/2002	SRV_ON
02047091-BA-0.625	SM-SR-D4	0.625"	7118 AVENUE E HOUSTON TX 77011-3742	6/3/2002	SRV_ON
210289967-BA-0.625	SM-SR-D4	0.625"	7119 AVENUE E HOUSTON TX 77011-3741	8/15/2023	
02084389-BA-1.000	SM-SR-D4	1"	7120 AVENUE E HOUSTON TX 77011-3742	6/3/2002	SRV_ON
02083825-BA-0.625	SM-SR-D4	0.625"	7122 AVENUE E HOUSTON TX 77011-3742	6/3/2002	SRV_ON
03155228-BA-0.625	SM-SR-D4	0.625"	7125 AVENUE E HOUSTON TX 77011-3741	11/14/2003	SRV_ON
02047093-BA-0.625	SM-SR-D4	0.625"	7131 AVENUE E HOUSTON TX 77011-3741	6/3/2002	SRV_ON
02047090-BA-0.625	SM-SR-D4	0.625"	7132 AVENUE E P1-2 HOUSTON TX 77011-3742	6/3/2002	SRV_ON
02047094-BA-0.625	SM-SR-D4	0.625"	7135 AVENUE E HOUSTON TX 77011-3741	6/3/2002	SRV_ON
02083826-BA-0.625	SM-SR-D4	0.625"	7136 AVENUE E HOUSTON TX 77011-3742	6/3/2002	SRV_ON

AVENUE E (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02047095-BA-0.625	SM-SR-D4	0.625"	7138 AVENUE E HOUSTON TX 77011-3742	6/3/2002	SRV_ON
02083823-BA-0.625	SM-SR-D4	0.625"	7139 AVENUE E HOUSTON TX 77011-3741	6/3/2002	SRV_ON
06094121-BA-0.625	SM-SR-D4	0.625"	7144 AVENUE E HOUSTON TX 77011-3742	5/22/2006	SRV_ON
231602882-BA-0.625	SM-SR-D4	0.625"	7148 AVENUE E HOUSTON TX 77011-3742	5/6/2025	
02083854-BA-0.625	SM-SR-D4	0.625"	7202 AVENUE E HOUSTON TX 77011-3744	6/1/2002	SRV_ON
02083857-BA-0.625	SM-SR-D4	0.625"	7204 AVENUE E HOUSTON TX 77011-3744	6/1/2002	SRV_ON
02084388-BA-1.000	SM-SR-D4	1"	7205 AVENUE E HOUSTON TX 77011-3743	6/1/2002	SRV_ON
02083855-BA-0.625	SM-SR-D4	0.625"	7206 AVENUE E HOUSTON TX 77011-3744	6/1/2002	SRV_ON
02083852-BA-0.625	SM-SR-D4	0.625"	7207 AVENUE E HOUSTON TX 77011-3743	6/1/2002	SRV_ON
02083911-BA-0.625	SM-SR-D4	0.625"	7208 AVENUE E HOUSTON TX 77011-3744	6/1/2002	SRV_ON
02083856-BA-0.625	SM-SR-D4	0.625"	7209 AVENUE E HOUSTON TX 77011-3743	6/1/2002	SRV_ON
02083910-BA-0.625	SM-SR-D4	0.625"	7210 AVENUE E HOUSTON TX 77011-3744	6/1/2002	SRV_ON
02083909-BA-0.625	SM-SR-D4	0.625"	7212 AVENUE E HOUSTON TX 77011-3744	6/1/2002	SRV_ON
05119098-BA-0.625	SM-SR-D4	0.625"	7213 AVENUE E HOUSTON TX 77011-3743	10/18/2005	SRV_ON
02083908-BA-0.625	SM-SR-D4	0.625"	7224 AVENUE E HOUSTON TX 77011-3762	6/1/2002	SRV_ON
02083906-BA-0.625	SM-SR-D4	0.625"	7225 AVENUE E HOUSTON TX 77011-3763	6/1/2002	SRV_ON
00110376-BA-0.625	SM-SR-D4	0.625"	7229 AVENUE E HOUSTON TX 77011-3763	10/26/2000	SRV_ON
12759558-BA-1.000	SM-SR-D4	1"	7230 AVENUE E P1-2 HOUSTON TX 77011-0000	7/16/2013	SRV_ON
02083822-BA-0.625	SM-SR-D4	0.625"	7235 AVENUE E HOUSTON TX 77011-3763	6/3/2002	SRV_ON
220720056-BA-1.000	SM-SR-D4	1"	7236 AVENUE E HOUSTON TX 77011-3762	4/29/2022	SRV_ON
220720059-BA-1.000	SM-SR-D4	1"	7238 AVENUE E HOUSTON TX 77011	4/29/2022	SRV_ON
02047075-BA-0.625	SM-SR-D4	0.625"	7239 AVENUE E HOUSTON TX 77011-3763	6/3/2002	SRV_ON
02047077-BA-0.625	SM-SR-D4	0.625"	7241 AVENUE E HOUSTON TX 77011-3763	6/3/2002	SRV_ON
00197443-BA-0.625	SM-SR-D4	0.625"	7305 AVENUE E HOUSTON TX 77011-3826	5/30/2002	SRV_ON
00197401-BA-0.625	SM-SR-D4	0.625"	7308 AVENUE E HOUSTON TX 77011-3827	5/30/2002	SRV_ON
00197442-BA-0.625	SM-SR-D4	0.625"	7309 AVENUE E HOUSTON TX 77011-3826	5/30/2002	SRV_ON
27037137-RW-0.625	SM-SR-D4	0.625"	7310 AVENUE E P1-2 HOUSTON TX 77011-3827	1/1/1987	
00197403-BA-0.625	SM-SR-D4	0.625"	7313 AVENUE E HOUSTON TX 77011-3826	5/30/2002	SRV_ON
00197489-BA-0.625	SM-SR-D4	0.625"	7316 AVENUE E HOUSTON TX 77011-3827	5/30/2002	SRV_ON
01098817-BA-0.625	SM-SR-D4	0.625"	7317 AVENUE E HOUSTON TX 77011-3826	5/30/2002	SRV_ON
221092784-BA-1.000	SM-SR-D4	1"	7318 AVENUE E HOUSTON TX 77011-3827	10/14/2022	SRV_ON
00197446-BA-0.625	SM-SR-D4	0.625"	7320 AVENUE E HOUSTON TX 77011-3827	5/30/2002	SRV_ON
15222568-BA-0.625	SM-SR-D4	0.625"	7330 AVENUE E HOUSTON TX 77011-0000*	7/29/2016	SRV_ON
16658305-BA-1.000	SM-SR-D4	1"	7341 AVENUE E P1-1 HOUSTON TX 77011-3844	12/21/2016	SRV_ON
00197539-BA-0.625	SM-SR-D4	0.625"	7401 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
09132983-BA-0.625	SM-SR-D4	0.625"	7404 AVENUE E HOUSTON TX 77011-3829	4/6/2009	SRV_ON
00197484-BA-0.625	SM-SR-D4	0.625"	7405 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
00197402-BA-0.625	SM-SR-D4	0.625"	7409 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
00197448-BA-0.625	SM-SR-D4	0.625"	7413 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
00197400-BA-0.625	SM-SR-D4	0.625"	7415 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
00197447-BA-0.625	SM-SR-D4	0.625"	7421 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
00197411-BA-0.625	SM-SR-D4	0.625"	7423 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
06206285-BA-0.625	SM-SR-D4	0.625"	7425 AVENUE E HOUSTON TX 77011-3828	5/22/2006	SRV_ON
28679639-TR-0.625	SM-SR-D4	0.625"	7427 AVENUE E P1-1 HOUSTON TX 77011-3828*	1/1/1987	
09131860-BA-0.625	SM-SR-D4	0.625"	7429 AVENUE E HOUSTON TX 77011-3828	5/16/2009	SRV_ON
00197410-BA-0.625	SM-SR-D4	0.625"	7431 AVENUE E HOUSTON TX 77011-3828	5/30/2002	SRV_ON
09132985-BA-0.625	SM-SR-D4	0.625"	7437 AVENUE E HOUSTON TX 77011-3828	4/6/2009	SRV_ON

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:
CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.
(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION
SIGNATURE VALID FOR SIX MONTHS.

DATE:
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.
(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX (6) MONTHS

DATE:
AT&T
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
AVENUE E

(SHEET 5 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 202 OF 318	

PLOTTED: 12/12/2025 2:00 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

BRADY

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
		0.625"	6414 BRADY HOUSTON TX 77011-3424		
		0.625"	6415 BRADY HOUSTON TX 77011-3423		
		0.625"	6416 BRADY HOUSTON TX 77011-3424		
		0.625"	6417 BRADY HOUSTON TX 77011-3423		

AVENUE F

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02081567-BA-0.625	SM-SR-D4	0.625"	6501 AVENUE F HOUSTON TX 77011-3537	5/14/2002	SRV_ON
06213647-BA-1.000	SM-SR-D4	1"	6503 AVENUE F A HOUSTON TX 77011-0000	6/20/2006	SRV_ON
02081572-BA-0.625	SM-SR-D4	0.625"	6503 AVENUE F P1-1 HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081573-BA-0.625	SM-SR-D4	0.625"	6505 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_OFF
02081576-BA-0.625	SM-SR-D4	0.625"	6515 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081577-BA-0.625	SM-SR-D4	0.625"	6517 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081575-BA-0.625	SM-SR-D4	0.625"	6521 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081556-BA-0.625	SM-SR-D4	0.625"	6523 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081555-BA-0.625	SM-SR-D4	0.625"	6525 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081554-BA-0.625	SM-SR-D4	0.625"	6531 AVENUE F HOUSTON TX 77011-3537	5/10/2002	SRV_ON
02081559-BA-0.625	SM-SR-D4	0.625"	6601 AVENUE F HOUSTON TX 77011-3538	12/5/1956	SRV_ON
02253487-BA-0.625	SM-SR-D4	0.625"	6602 AVENUE F HOUSTON TX 77011-3539	4/9/2001	SRV_ON
00005746-BA-0.625	SM-SR-D4	0.625"	6605 AVENUE F HOUSTON TX 77011-3538	3/28/2000	SRV_ON
02081557-BA-0.625	SM-SR-D4	0.625"	6606 AVENUE F HOUSTON TX 77011-3539	5/10/2002	SRV_ON
02081558-BA-0.625	SM-SR-D4	0.625"	6612 AVENUE F HOUSTON TX 77011-3539	5/10/2002	SRV_ON
01009872-BA-0.625	SM-SR-D4	0.625"	6613 AVENUE F HOUSTON TX 77011-3538	4/9/2001	SRV_ON
02081524-BA-0.625	SM-SR-D4	0.625"	6614 AVENUE F HOUSTON TX 77011-3539	5/10/2002	SRV_ON
02081355-BA-0.625	SM-SR-D4	0.625"	6615 AVENUE F HOUSTON TX 77011-3538	5/11/2002	SRV_ON
02081353-BA-0.625	SM-SR-D4	0.625"	6617 AVENUE F HOUSTON TX 77011-3538	5/11/2002	SRV_ON
06207970-BA-0.625	SM-SR-D4	0.625"	6618 AVENUE F HOUSTON TX 77011-3539	5/18/2006	SRV_ON
04148216-BA-0.625	SM-SR-D4	0.625"	6619 AVENUE F HOUSTON TX 77011-3538	2/18/2005	SRV_OFF
02081525-BA-0.625	SM-SR-D4	0.625"	6622 AVENUE F HOUSTON TX 77011-3539	5/10/2002	SRV_OFF
02081352-BA-0.625	SM-SR-D4	0.625"	6624 AVENUE F HOUSTON TX 77011-3539	5/11/2002	SRV_ON
02081350-BA-0.625	SM-SR-D4	0.625"	6628 AVENUE F HOUSTON TX 77011-3539	5/11/2002	SRV_ON
41342319-TR-0.625	SM-SR-D4	0.625"	6637 AVENUE F HOUSTON TX 77011-3538	4/26/1996	
43369268-TR-0.625	SM-SR-D4	0.625"	6640 AVENUE F P1-1 HOUSTON TX 77011-3539	9/20/1997	
02081351-BA-0.625	SM-SR-D4	0.625"	6644 AVENUE F HOUSTON TX 77011-3539	5/11/2002	SRV_ON
02063419-BA-0.625	SM-SR-D4	0.625"	6701 AVENUE F HOUSTON TX 77011-3540	5/11/2002	SRV_ON
12753297-BA-0.625	SM-SR-D4	0.625"	6705 AVENUE F HOUSTON TX 77011-3540	5/11/2002	SRV_ON
10522451-BA-0.625	SM-SR-D4	0.625"	6707 AVENUE F HOUSTON TX 77011-3540	1/6/2012	SRV_ON
02063452-BA-0.625	SM-SR-D4	0.625"	6709 AVENUE F HOUSTON TX 77011-3540	1/15/2005	SRV_ON
02081582-BA-0.625	SM-SR-D4	0.625"	6710 AVENUE F HOUSTON TX 77011-3541	5/13/2002	LN_PLUGGED
02063453-BA-0.625	SM-SR-D4	0.625"	6711 AVENUE F HOUSTON TX 77011-3540	5/11/2002	SRV_ON
02081583-BA-0.625	SM-SR-D4	0.625"	6712 AVENUE F HOUSTON TX 77011-3541	5/13/2002	SRV_OFF
02063448-BA-0.625	SM-SR-D4	0.625"	6713 AVENUE F HOUSTON TX 77011-3540	5/11/2002	SRV_ON
02063450-BA-0.625	SM-SR-D4	0.625"	6715 AVENUE F HOUSTON TX 77011-3540	5/11/2002	SRV_ON
02063449-BA-0.625	SM-SR-D4	0.625"	6717 AVENUE F 03 HOUSTON TX 77011-3540	5/11/2002	SRV_ON
00082835-BA-0.625	SM-SR-D4	0.625"	6718 AVENUE F HOUSTON TX 77011-3541	5/20/2002	SRV_ON
02062840-BA-0.625	SM-SR-D4	0.625"	6719 AVENUE F HOUSTON TX 77011-3540	5/11/2002	SRV_ON
24843897-RW-0.625	SM-SR-D4	0.625"	6721 AVENUE F P1-2 HOUSTON TX 77011-3540	5/16/1960	
02081537-BA-0.625	SM-SR-D4	0.625"	6722 AVENUE F HOUSTON TX 77011-3541	5/11/2002	SRV_ON

AVENUE F (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02062837-BA-0.625	SM-SR-D4	0.625"	6724 AVENUE F HOUSTON TX 77011-3541	5/11/2002	SRV_ON
02062836-BA-0.625	SM-SR-D4	0.625"	6728 AVENUE F HOUSTON TX 77011-3541	5/11/2002	SRV_ON
02062841-BA-0.625	SM-SR-D4	0.625"	6730 AVENUE F HOUSTON TX 77011-3541	5/11/2002	SRV_OFF
02062839-BA-0.625	SM-SR-D4	0.625"	6734 AVENUE F HOUSTON TX 77011-3541	5/11/2002	SRV_ON
02424881-BA-0.625	SM-SR-D4	0.625"	6802 AVENUE F HOUSTON TX 77011-3646	1/9/2003	SRV_ON
02079176-BA-0.625	SM-SR-D4	0.625"	6806 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
18970418-BA-1.000	SM-SR-D4	1"	6807 AVENUE F HOUSTON TX 77011-3645	12/28/2018	SRV_ON
18063411-BA-1.000	SM-SR-D4	1"	6809 AVENUE F P1-1 HOUSTON TX 77011-0000	8/28/2019	SRV_ON
15236015-BA-1.000	SM-SR-D4	1"	6810 AVENUE F HOUSTON TX 77011-3646	11/19/2015	SRV_ON
02079179-BA-0.625	SM-SR-D4	0.625"	6811 AVENUE F HOUSTON TX 77011-3645	5/14/2002	SRV_ON
02079305-BA-0.625	SM-SR-D4	0.625"	6812 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079178-BA-0.625	SM-SR-D4	0.625"	6813 AVENUE F HOUSTON TX 77011-3645	5/14/2002	SRV_ON
02079306-BA-0.625	SM-SR-D4	0.625"	6814 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
00022191-BA-1.000	SM-SR-D4	1"	6816 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079282-BA-0.625	SM-SR-D4	0.625"	6818 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079180-BA-0.625	SM-SR-D4	0.625"	6820 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079280-BA-0.625	SM-SR-D4	0.625"	6822 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079284-BA-0.625	SM-SR-D4	0.625"	6823 AVENUE F HOUSTON TX 77011-3645	5/14/2002	SRV_ON
02079292-BA-0.625	SM-SR-D4	0.625"	6825 AVENUE F HOUSTON TX 77011-3645	5/14/2002	SRV_ON
00181926-BA-0.625	SM-SR-D4	0.625"	6833 AVENUE F HOUSTON TX 77011-3645	1/9/2002	SRV_ON
02079293-BA-0.625	SM-SR-D4	0.625"	6836 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079177-BA-0.625	SM-SR-D4	0.625"	6840 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02079172-BA-0.625	SM-SR-D4	0.625"	6848 AVENUE F HOUSTON TX 77011-3646	5/14/2002	SRV_ON
02065423-BA-0.625	SM-SR-D4	0.625"	6902 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_OFF
02080892-BA-0.625	SM-SR-D4	0.625"	6905 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02080893-BA-0.625	SM-SR-D4	0.625"	6908 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02080890-BA-0.625	SM-SR-D4	0.625"	6912 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02065422-BA-0.625	SM-SR-D4	0.625"	6916 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02065424-BA-0.625	SM-SR-D4	0.625"	6917 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02065426-BA-0.625	SM-SR-D4	0.625"	6918 AVENUE F HOUSTON TX 77011-3650	1/2/1953	SRV_ON
02080889-BA-0.625	SM-SR-D4	0.625"	6919 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02080888-BA-0.625	SM-SR-D4	0.625"	6920 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02080891-BA-0.625	SM-SR-D4	0.625"	6921 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
12753352-BA-0.625	SM-SR-D4	0.625"	6923 AVENUE F HOUSTON TX 77011-3649	2/14/2013	SRV_ON
99588332-BA-0.625	SM-SR-D4	0.625"	6924 AVENUE F HOUSTON TX 77011-3650	6/15/2002	SRV_ON
02080882-BA-0.625	SM-SR-D4	0.625"	6927 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02080884-BA-0.625	SM-SR-D4	0.625"	6929 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02080886-BA-0.625	SM-SR-D4	0.625"	6930 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02080885-BA-0.625	SM-SR-D4	0.625"	6936 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02065425-BA-0.625	SM-SR-D4	0.625"	6939 AVENUE F P2-1 HOUSTON TX 77011-3649	2/8/1993	SRV_ON
00001731-BA-0.625	SM-SR-D4	0.625"	6940 AVENUE F 03 HOUSTON TX 77011-3650	4/26/2000	SRV_ON
02080883-BA-0.625	SM-SR-D4	0.625"	6941 AVENUE F HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02080887-BA-0.625	SM-SR-D4	0.625"	6942 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
02080849-BA-0.625	SM-SR-D4	0.625"	6943 AVENUE F P1-1 HOUSTON TX 77011-3649	5/10/2002	SRV_ON
02080847-BA-0.625	SM-SR-D4	0.625"	6944 AVENUE F HOUSTON TX 77011-3650	5/10/2002	SRV_ON
09132987-BA-0.625	SM-SR-D4	0.625"	6945 AVENUE F HOUSTON TX 77011-3649	4/6/2009	SRV_ON
02080871-BA-0.625	SM-SR-D4	0.625"	7001 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON
02080848-BA-0.625	SM-SR-D4	0.625"	7002 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080870-BA-0.625	SM-SR-D4	0.625"	7007 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON

AVENUE F (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
01076673-BA-0.625	SM-SR-D4	0.625"	7008 AVENUE F HOUSTON TX 77011-3754	8/30/2001	SRV_ON
02080872-BA-0.625	SM-SR-D4	0.625"	7010 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080858-BA-0.625	SM-SR-D4	0.625"	7011 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON
02080874-BA-0.625	SM-SR-D4	0.625"	7012 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080873-BA-0.625	SM-SR-D4	0.625"	7013 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON
02080851-BA-0.625	SM-SR-D4	0.625"	7014 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080846-BA-0.625	SM-SR-D4	0.625"	7015 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON
03156231-BA-0.625	SM-SR-D4	0.625"	7016 AVENUE F HOUSTON TX 77011-3754	1/6/2004	SRV_ON
01063443-BA-0.625	SM-SR-D4	0.625"	7017 AVENUE F 347 HOUSTON TX 77011-3753	7/27/2001	SRV_ON
02424877-BA-0.625	SM-SR-D4	0.625"	7020 AVENUE F HOUSTON TX 77011-3754	6/15/2002	SRV_ON
02080860-BA-0.625	SM-SR-D4	0.625"	7021 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON
02080875-BA-0.625	SM-SR-D4	0.625"	7023 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_ON
02080861-BA-0.625	SM-SR-D4	0.625"	7024 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080862-BA-0.625	SM-SR-D4	0.625"	7037 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_OFF
02080811-BA-0.625	SM-SR-D4	0.625"	7038 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_BGLOCK
02080863-BA-0.625	SM-SR-D4	0.625"	7039 AVENUE F HOUSTON TX 77011-3753	9/5/1996	SRV_ON
02080922-BA-0.625	SM-SR-D4	0.625"	7040 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080814-BA-0.625	SM-SR-D4	0.625"	7041 AVENUE F HOUSTON TX 77011-3753	5/10/2002	SRV_OFF
02080810-BA-0.625	SM-SR-D4	0.625"	7044 AVENUE F HOUSTON TX 77011-3754	5/10/2002	SRV_ON
02080923-BA-0.625	SM-SR-D4	0.625"	7056 AVENUE F HOUSTON TX 77011-3707	5/10/2002	SRV_ON
02080575-BA-0.625	SM-SR-D4	0.625"	7106 AVENUE F HOUSTON TX 77011-3756	6/4/2002	SRV_ON
02079479-BA-0.625	SM-SR-D4	0.625"	7110 AVENUE F HOUSTON TX 77011-3756	6/4/2002	SRV_ON
02079480-BA-0.625	SM-SR-D4	0.625"	7111 AVENUE F HOUSTON TX 77011-3755	6/4/2002	SRV_ON
02079482-BA-0.625	SM-SR-D4	0.625"	7114 AVENUE F HOUSTON TX 77011-3756	6/4/2002	SRV_OFF
221092783-BA-1.000	SM-SR-D4	1"	7115 AVENUE F HOUSTON TX 77011-3755	10/21/2022	SRV_ON
02079483-BA-0.625	SM-SR-D4	0.625"	7116 AVENUE F HOUSTON TX 77011-3756	6/4/2002	SRV_ON
09138659-BA-0.625	SM-SR-D4	0.625"	7118 AVENUE F HOUSTON TX 77011-3756	12/7/2009	SRV_ON
02084568-BA-1.000	SM-SR-D4	1"	7119 AVENUE F HOUSTON TX 77011-3755	6/4/2002	SRV_OFF
99593091-BA-0.625	SM-SR-D4	0.625"	7121 AVENUE F HOUSTON TX 77011-3755	10/14/1999	SRV_ON
99593090-BA-0.625	SM-SR-D4	0.625"	7123 AVENUE F HOUSTON TX 77011-3755	10/14/1999	SRV_ON
06325029-BA-0.625	SM-SR-D4	0.625"	7124 AVENUE F HOUSTON TX 77011-3756	11/8/2006	SRV_ON
05161315-BA-0.625	SM-SR-D4	0.625"	7125 AVENUE F HOUSTON TX 77011-3755	10/31/2005	SRV_ON
03270008-BA-0.625	SM-SR-D4	0.625"	7127 AVENUE F HOUSTON TX 77011-3755	9/24/2004	SRV_ON
02080598-BA-0.625	SM-SR-D4	0.625"	7129 AVENUE F HOUSTON TX 77011-3755	6/4/2002	SRV_ON
00094821-BA-0.625	SM-SR-D4	0.625"	7134 AVENUE F HOUSTON TX 77011-3756	11/7/2002	SRV_ON
221277688-BA-1.500	SM-SR-D5	1.5"	7136 AVENUE F P1-2 HOUSTON TX 77011-3756*	3/8/2023	SRV_ON
09132984-BA-0.625	SM-SR-D4	0.625"	7137 AVENUE F HOUSTON TX 77011-3755	4/6/2009	SRV_BGLOCK
02079523-BA-0.625	SM-SR-D4	0.625"	7144 AVENUE F HOUSTON TX 77011-3756	6/4/2002	SRV_ON
02047422-BA-0.625	SM-SR-D4	0.625"	7200 AVENUE F HOUSTON TX 77011-3758	6/3/2002	SRV_OFF
02047074-BA-0.625	SM-SR-D4	0.625"	7206 AVENUE F HOUSTON TX 77011-3758	6/3/2002	SRV_ON
05119129-BA-0.625	SM-SR-D4	0.625"	7214 AVENUE F HOUSTON TX 77011-3758	3/5/1999	SRV_ON
02074812-BA-1.500	SM-SR-D5	1.5"	7220 AVENUE F HOUSTON TX 77011-3758	12/14/2009	SRV_ON
06208689-BA-0.625	SM-SR-D4	0.625"	7220 AVENUE F HOUSTON TX 77011-3758	5/22/2006	SRV_ON
02423470-BA-0.625	SM-SR-D4	0.625"	7221 AVENUE F B HOUSTON TX 77011-0000	2/20/2003	SRV_ON
00197391-BA-0.625	SM-SR-D4	0.625"	7221 AVENUE F HOUSTON TX 77011-3757	5/30/2002	SRV_ON
06325256-BA-0.625	SM-SR-D4	0.625"	7226 AVENUE F HOUSTON TX 77011-3760	11/8/2006	SRV_ON
02047072-BA-0.625	SM-SR-D4	0.625"	7230 AVENUE F HOUSTON TX 77011-3760	6/3/2002	SRV_ON
02047073-BA-0.625	SM-SR-D4	0.625"	7234 AVENUE F HOUSTON TX 77011-3760	6/3/2002	SRV_ON
19401250-BA-0.625	SM-SR-D4	0.625"	7236 AVENUE F HOUSTON TX 77011-3760	3/29/2021	

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr. Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
BRADY & AVENUE F

(SHEET 6 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 203 OF 318	

PLOTTED: 12/12/2025 2:00 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-METER COUNT TABLE.dwg

AVENUE F (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
50573969-TR-0.625	SM-SR-D4	0.625"	7301 AVENUE F A HOUSTON TX 77011-3830	8/8/1994	
06557600-BA-1.500	SM-SR-D5	1.5"	7301 AVENUE F HOUSTON TX 77011-3830	3/9/2009	SRV_ON
06320303-BA-0.625	SM-SR-D4	0.625"	7304 AVENUE F HOUSTON TX 77011-3831	11/7/2006	SRV_ON
00197389-BA-0.625	SM-SR-D4	0.625"	7308 AVENUE F HOUSTON TX 77011-3831	5/30/2002	SRV_ON
10250812-BA-2.000	SM-SR-D5	2"	7318 AVENUE F HOUSTON TX 77011-0000	6/10/2011	SRV_ON
10250842-BA-2.000	SM-SR-D5	2"	7318 AVENUE F HOUSTON TX 77011-0000	5/20/2011	SRV_ON
00197632-BA-0.625	SM-SR-D4	0.625"	7323 AVENUE F HOUSTON TX 77011-3842	5/30/2002	SRV_ON
06562847-BA-0.625	SM-SR-D4	0.625"	7325 AVENUE F HOUSTON TX 77011-3842	7/3/2007	SRV_ON
210290357-BA-0.625	SM-SR-D4	0.625"	7327 AVENUE F HOUSTON TX 77011-3842	9/25/2023	
00197629-BA-0.625	SM-SR-D4	0.625"	7328 AVENUE F HOUSTON TX 77011-3841	5/30/2002	SRV_ON
00197561-BA-0.625	SM-SR-D4	0.625"	7329 AVENUE F HOUSTON TX 77011-3842	5/30/2002	SRV_ON
00197580-BA-0.625	SM-SR-D4	0.625"	7330 AVENUE F HOUSTON TX 77011-3841	5/30/2002	SRV_ON
06320301-BA-0.625	SM-SR-D4	0.625"	7333 AVENUE F HOUSTON TX 77011-3842	11/7/2006	SRV_ON
00197630-BA-0.625	SM-SR-D4	0.625"	7334 AVENUE F HOUSTON TX 77011-3841	5/30/2002	SRV_GRLOCK
00197584-BA-0.625	SM-SR-D4	0.625"	7335 AVENUE F HOUSTON TX 77011-3842	5/30/2002	SRV_ON
17656620-BA-0.625	SM-SR-D4	0.625"	7337 AVENUE F HOUSTON TX 77011-0000	1/4/2018	SRV_ON
10521909-BA-0.625	SM-SR-D4	0.625"	7339 AVENUE F HOUSTON TX 77011-3842	5/2/2012	SRV_ON
221871276-BA-0.625	SM-SR-D4	0.625"	7341 AVENUE F HOUSTON TX 77011-3842	3/9/2023	
04148126-BA-0.625	SM-SR-D4	0.625"	7346 AVENUE F HOUSTON TX 77011-3841	3/23/2005	SRV_ON
27037573-EM-0.625	SM-SR-D4	0.625"	7347 AVENUE F P1-1 HOUSTON TX 77011-3842	1/1/1987	
09649941-BA-1.000	SM-SR-D4	1"	7348 AVENUE F #A HOUSTON TX 77011-0000	7/7/2010	SRV_ON
09649942-BA-1.000	SM-SR-D4	1"	7348 AVENUE F #B HOUSTON TX 77011-0000	7/7/2010	SRV_OFF
02384923-BA-1.000	SM-SR-D4	1"	7401 AVENUE F HOUSTON TX 77011-0000	10/31/2002	SRV_ON
03223293-BA-0.625	SM-SR-D4	0.625"	7404 AVENUE F P1-1 HOUSTON TX 77011-3833	3/23/2004	SRV_ON
02383313-BA-0.625	SM-SR-D4	0.625"	7405 AVENUE F HOUSTON TX 77011-3832	3/19/2003	SRV_ON
06094123-BA-0.625	SM-SR-D4	0.625"	7406 AVENUE F HOUSTON TX 77011-3833	5/22/2006	SRV_ON
00197599-BA-0.625	SM-SR-D4	0.625"	7408 AVENUE F HOUSTON TX 77011-3833	5/30/2002	SRV_ON
01098818-BA-0.625	SM-SR-D4	0.625"	7411 AVENUE F HOUSTON TX 77011-3832	5/30/2002	SRV_ON
00197588-BA-0.625	SM-SR-D4	0.625"	7412 AVENUE F HOUSTON TX 77011-3833	5/30/2002	SRV_ON
09139618-BA-0.625	SM-SR-D4	0.625"	7414 AVENUE F HOUSTON TX 77011-3833	11/19/2009	SRV_ON
00197598-BA-0.625	SM-SR-D4	0.625"	7415 AVENUE F HOUSTON TX 77011-3832	5/30/2002	SRV_ON
00197603-BA-0.625	SM-SR-D4	0.625"	7416 AVENUE F HOUSTON TX 77011-3833	5/30/2002	SRV_ON
00197601-BA-0.625	SM-SR-D4	0.625"	7418 AVENUE F A/#A HOUSTON TX 77011-0000	5/30/2002	SRV_ON
01099031-BA-0.625	SM-SR-D4	0.625"	7421 AVENUE F HOUSTON TX 77011-3832	5/30/2002	SRV_ON
00005650-BA-0.625	SM-SR-D4	0.625"	7424 AVENUE F HOUSTON TX 77011-3833	1/18/2000	SRV_ON
00197543-BA-0.625	SM-SR-D4	0.625"	7425 AVENUE F HOUSTON TX 77011-3832	5/30/2002	SRV_ON
00197541-BA-0.625	SM-SR-D4	0.625"	7426 AVENUE F HOUSTON TX 77011-3833	5/30/2002	SRV_ON
06562535-BA-0.625	SM-SR-D4	0.625"	7429 AVENUE F HOUSTON TX 77011-3832	6/10/2009	SRV_ON
00197538-BA-0.625	SM-SR-D4	0.625"	7432 AVENUE F HOUSTON TX 77011-3833	5/30/2002	SRV_ON
00197540-BA-0.625	SM-SR-D4	0.625"	7433 AVENUE F HOUSTON TX 77011-3832	5/30/2002	SRV_ON
01098989-BA-0.625	SM-SR-D4	0.625"	7435 AVENUE F HOUSTON TX 77011-3832	5/30/2002	SRV_ON
00197560-BA-0.625	SM-SR-D4	0.625"	7436 AVENUE F HOUSTON TX 77011-3833	5/30/2002	SRV_ON
06208626		0.625"	7514 AVENUE F HOUSTON TX 77012-1212*		
40812803		0.625"	7520 AVENUE F P1-1 HOUSTON TX 77012-1212*		
06208572		0.625"	7541 AVENUE F HOUSTON TX 77012-1211*		
00196863		0.625"	7548 AVENUE F HOUSTON TX 77012-1212*		
10521634		0.625"	7625 AVENUE F HOUSTON TX 77012-1239*		
18206937		1.000"	7636 AVENUE F HOUSTON TX 77012-0000*		
12755321		0.625"	7644 AVENUE F HOUSTON TX 77012-1240*		

65TH STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
06234460-BA-0.625	SM-SR-D4	0.625"	201 65TH HOUSTON TX 77011-3401	8/16/2006	SRV_ON
02082185-BA-0.625	SM-SR-D4	0.625"	202 65TH HOUSTON TX 77011-3402	5/16/2002	SRV_ON
211439656-BA-1.000	SM-SR-D4	1"	305 65TH HOUSTON TX 77011-0000	1/28/2022	SRV_ON
05276337-BA-1.500	SM-SR-D5	1.5"	340 65TH HOUSTON TX 77011-3403	8/15/2005	SRV_ON
12753407-BA-0.625	SM-SR-D4	0.625"	405 65TH HOUSTON TX 77011-3409	2/26/2013	SRV_ON
05161617-BA-0.625	SM-SR-D4	0.625"	411 65TH HOUSTON TX 77011-3409	9/8/2005	SRV_ON
02049020-BA-0.625	SM-SR-D4	0.625"	501 65TH HOUSTON TX 77011-3411	5/10/2002	SRV_ON
09516268-BA-0.625	SM-SR-D4	0.625"	503 65TH HOUSTON TX 77011-3411	8/10/2010	SRV_ON
02049021-BA-0.625	SM-SR-D4	0.625"	505 65TH HOUSTON TX 77011-3411	5/10/2002	SRV_ON
02049016-BA-0.625	SM-SR-D4	0.625"	603 65TH HOUSTON TX 77011-3413	7/1/2002	SRV_ON
12756188-BA-0.625	SM-SR-D4	0.625"	611 65TH HOUSTON TX 77011-3413	5/8/2014	SRV_OFF
00174755-BA-0.625	SM-SR-D4	0.625"	615 65TH HOUSTON TX 77011-3413	7/17/2001	SRV_ON

66TH STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
06319881-BA-0.625	SM-SR-D4	0.625"	201 66TH HOUSTON TX 77011-3505	11/8/2006	SRV_ON
99581352-BA-0.625	SM-SR-D4	0.625"	203 S 66TH ST HOUSTON TX 77011-4411	10/4/1999	SRV_ON
06234108-BA-0.625	SM-SR-D4	0.625"	204 66TH 6 HOUSTON TX 77011-3506	8/16/2006	SRV_OFF
70030127-TR-4.000	CM-2SR-D45	4"	222 S 66TH HOUSTON TX 77011-0000	9/17/1997	SRV_ON
02074633-BA-1.500	SM-SR-D5	1.5"	303 S 66TH HOUSTON TX 77011-4501	7/11/2002	SRV_ON
02084001-BA-0.625	SM-SR-D4	0.625"	304 66TH HOUSTON TX 77011-3508	5/15/2002	SRV_ON
02082184-BA-0.625	SM-SR-D4	0.625"	305 66TH #2 HOUSTON TX 77011-0000	5/16/2002	SRV_ON
02082188-BA-0.625	SM-SR-D4	0.625"	305 66TH #3 HOUSTON TX 77011-3507	5/16/2002	SRV_ON
02082189-BA-0.625	SM-SR-D4	0.625"	305 66TH #4 HOUSTON TX 77011-0000	5/16/2002	SRV_ON
00176195-BA-0.625	SM-SR-D4	0.625"	305 66TH #7 HOUSTON TX 77011-0000	2/19/2001	SRV_ON
06227131-BA-1.000	SM-SR-D4	1"	305 S 66TH HOUSTON TX 77011-0000	5/1/2007	SRV_OFF
05112869		1.000	320 S 66TH HOUSTON TX 77011-4502*		
12015486		1.000	330 S 66TH HOUSTON TX 77011-4502*		
06588062		0.625	710 66TH HOUSTON TX 77011-2450*		
06234364		0.625	807 66TH HOUSTON TX 77011-2447*		
06562434		0.625	903 66TH HOUSTON TX 77011-2452*		
06234366		0.625	904 S 66TH HOUSTON TX 77011-2446*		

67TH STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
31985300-RW-0.625	SM-SR-D4	0.625"	116 S 67TH HOUSTON TX 77011-4416	1/1/1987	
02063839-BA-0.625	SM-SR-D4	0.625"	118 S 67TH P1-2 HOUSTON TX 77011-4416	5/10/2002	SRV_ON
09138383-BA-0.625	SM-SR-D4	0.625"	204 S 67TH A HOUSTON TX 77011-0000*	3/9/2010	SRV_ON
02063842-BA-0.625	SM-SR-D4	0.625"	204 S 67TH B HOUSTON TX 77011-0000*	5/10/2002	SRV_ON
02063841-BA-0.625	SM-SR-D4	0.625"	206 S 67TH B HOUSTON TX 77011-0000	5/10/2002	SRV_ON
02063810-BA-0.625	SM-SR-D4	0.625"	206 S 67TH B HOUSTON TX 77011-0000*	5/10/2002	SRV_ON
02065354-BA-0.625	SM-SR-D4	0.625"	208 67TH 02 HOUSTON TX 77011-3510	5/15/2002	SRV_ON
230282195-BA-1.000	SM-SR-D4	1"	209 S 67TH HOUSTON TX 77011-4417*	10/5/2023	
02063809-BA-0.625	SM-SR-D4	0.625"	210 S 67TH HOUSTON TX 77011-4418	5/10/2002	SRV_ON
05292994-BA-1.000	SM-SR-D4	1"	301 S 67TH HOUSTON TX 77011-4505*	9/12/2005	SRV_ON
18207181-BA-1.500	SM-SR-D5	1.5"	323 S 67TH HOUSTON TX 77011-4505	6/15/2018	SRV_ON
221871483-BA-0.625	SM-SR-D4	0.625"	501 67TH P1-1 HOUSTON TX 77011-3529	1/4/2024	
02079984-BA-0.625	SM-SR-D4	0.625"	520 67TH HOUSTON TX 77011-3530*	5/15/2002	LN_PLUGGED
06590788-BA-2.000	SM-SR-D5	2"	521 67TH HOUSTON TX 77011-3529	1/16/2009	SRV_ON

67TH STREET (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
92033744-BA-0.625	SM-SR-D4	0.625"	601 67TH HOUSTON TX 77011-3531	10/3/1992	
06317388-BA-1.500	SM-SR-D5	1.5"	602 67TH HOUSTON TX 77011-3532	7/9/2007	SRV_OFF

68TH STREET (WAYSIDE)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
09516322-BA-0.625	SM-SR-D4	0.625"	102 WAYSIDE DR HOUSTON TX 77011-4606	9/14/2010	SRV_ON
06234128-BA-0.625	SM-SR-D4	0.625"	200 S WAYSIDE DR HOUSTON TX 77027-0000*	8/14/2006	SRV_ON
211439243-BA-1.000	SM-SR-D4	1"	205 WAYSIDE DR HOUSTON TX 77011	11/12/2021	SRV_ON
211439242-BA-1.000	SM-SR-D4	1"	207 WAYSIDE DR HOUSTON TX 77011-0000	11/12/2021	SRV_ON
00020888-BA-1.000	SM-SR-D4	1"	209 WAYSIDE DR P1-1 HOUSTON TX 77011-3625	5/15/2002	SRV_ON
26774133-EM-0.625	SM-SR-D4	0.625"	210 WAYSIDE DR HOUSTON TX 77011-3626	1/1/2014	SRV_ON
02064681-BA-0.625	SM-SR-D4	0.625"	511 WAYSIDE DR HOUSTON TX 77011-3629	4/7/1961	SRV_ON
06233914-BA-0.625	SM-SR-D4	0.625"	600 WAYSIDE DR HOUSTON TX 77011-3632	8/16/2006	SRV_ON
99590075-BA-0.625	SM-SR-D4	0.625"	601 WAYSIDE DR P1-1 HOUSTON TX 77011-3631	5/20/2002	SRV_ON
29767701-RW-2.000	SM-SR-D5	2"	619 WAYSIDE DR HOUSTON TX 77011-3631	2/2/1994	

70TH STREET (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
		0.625"	107 S 70TH P1-1 HOUSTON TX 77011-4617		
		0.625"	107 S 70TH P1-2 HOUSTON TX 77011-4615		
02060180		0.625"	211 S 70TH HOUSTON TX 77011-4619*		

71ST STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
28755023-TR-0.625	SM-SR-D4	0.625"	115 71ST HOUSTON TX 77011-4603	1/1/1987	
15221806-BA-0.625	SM-SR-D4	0.625"	207 71ST HOUSTON TX 77011-3701	3/11/2016	SRV_ON
02077436-BA-0.625	SM-SR-D4	0.625"	302 71ST HOUSTON TX 77011-3704	5/31/2002	SRV_ON
06119434-BA-0.625	SM-SR-D4	0.625"	305 71ST HOUSTON TX 77011-0000	7/27/2006	SRV_ON
02047961-BA-0.625	SM-SR-D4	0.625"	307 71ST HOUSTON TX 77011-3703	6/5/2002	SRV_ON
03223225-BA-0.625	SM-SR-D4	0.625"	308 71ST HOUSTON TX 77011-3704	4/7/2004	SRV_ON
99593570-BA-0.625	SM-SR-D4	0.625"	405 71ST HOUSTON TX 77011-3705	10/21/1999	SRV_ON
99593229-BA-0.625	SM-SR-D4	0.625"	407 71ST HOUSTON TX 77011-3705	5/1/1999	SRV_ON
02047960-BA-0.625	SM-SR-D4	0.625"	408 71ST HOUSTON TX 77011-3706	6/5/2002	SRV_ON
99593724-BA-0.625	SM-SR-D4	0.625"	415 71ST A HOUSTON TX 77011-3705	10/21/1999	SRV_ON
01090291-BA-0.625	SM-SR-D4	0.625"	415 71ST B HOUSTON TX 77011-3705	9/20/2001	SRV_ON
06325053		0.625"	805 71ST HOUSTON TX 77011-2701*		
02049616		0.625"	902 71ST HOUSTON TX 77011-2704*		
06208023		0.625"	904 71ST HOUSTON TX 77011-2704*		
02049617		0.625"	905 71ST P1-1 HOUSTON TX 77011-2703*		
02062522		0.625"	906 71ST HOUSTON TX 77011-2704*		
06208022		0.625"	907 71ST HOUSTON TX 77011-2703*		
02062521		0.625"	908 71ST HOUSTON TX 77011-2704*		

72ND STREET (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
06592897-BA-0.625	SM-SR-D4	0.625"	301 S 72ND HOUSTON TX 77011-4802	5/1/2007	SRV_ON
02058892-BA-0.625	SM-SR-D4	0.625"	302 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
99579618-BA-0.625	SM-SR-D4	0.625"	303 S 72ND HOUSTON TX 77011-4802	10/2/2002	SRV_ON
02084564-BA-1.000	SM-SR-D4	1"	306 72ND HOUSTON TX 77011-3714	6/5/2002	SRV_ON

NO.	DATE	REVISION	APP.

NOTE:

1. INSTALL PROPOSED METER SERVICE CONNECTIONS SAME SIZE AS EXISTING, AND CONNECT TO EXISTING WATER METER; MAINTAIN 2' CLEARANCE FROM EXIST. UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION SIZE IN FIELD & PAVEMENT REPLACEMENT.
2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
AVE F, 65TH – 72ND STREET

(SHEET 7 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 204 OF 318	

PLOTTED: 12/12/2025 2:00 PM

72ND STREET (CONT.)

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
02058891-BA-0.625	SM-SR-D4	0.625"	306 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02102586-BA-0.625	SM-SR-D4	0.625"	309 S 72ND HOUSTON TX 77011-4802	10/2/2002	SRV_ON
02058889-BA-0.625	SM-SR-D4	0.625"	310 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
00100457-BA-0.625	SM-SR-D4	0.625"	313 S 72ND HOUSTON TX 77011-4802	10/2/2002	SRV_ON
02058890-BA-0.625	SM-SR-D4	0.625"	314 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02058893-BA-0.625	SM-SR-D4	0.625"	316 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02079935-BA-0.625	SM-SR-D4	0.625"	317 S 72ND HOUSTON TX 77011-4802	5/9/2002	SRV_ON
02058888-BA-0.625	SM-SR-D4	0.625"	320 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02079936-BA-0.625	SM-SR-D4	0.625"	321 S 72ND HOUSTON TX 77011-4802	5/9/2002	SRV_ON
02079934-BA-0.625	SM-SR-D4	0.625"	323 S 72ND HOUSTON TX 77011-4802	5/9/2002	SRV_ON
02058907-BA-0.625	SM-SR-D4	0.625"	324 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02079913-BA-0.625	SM-SR-D4	0.625"	325 S 72ND HOUSTON TX 77011-4802	5/9/2002	SRV_ON
02058908-BA-0.625	SM-SR-D4	0.625"	326 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02079914-BA-0.625	SM-SR-D4	0.625"	327 S 72ND HOUSTON TX 77011-4802	5/9/2002	SRV_ON
02058911-BA-0.625	SM-SR-D4	0.625"	328 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02058910-BA-0.625	SM-SR-D4	0.625"	330 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
04147651-BA-0.625	SM-SR-D4	0.625"	335 S 72ND HOUSTON TX 77011-4802	3/30/2005	SRV_ON
02058909-BA-0.625	SM-SR-D4	0.625"	336 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02058906-BA-0.625	SM-SR-D4	0.625"	338 S 72ND HOUSTON TX 77011-4803	5/9/2002	SRV_ON
02079912-BA-0.625	SM-SR-D4	0.625"	339 S 72ND HOUSTON TX 77011-4802	5/9/2002	SRV_ON
02079910-BA-0.625	SM-SR-D4	0.625"	401 S 72ND HOUSTON TX 77011-4804	5/9/2002	SRV_ON
06118815-BA-0.625	SM-SR-D4	0.625"	402 S 72ND HOUSTON TX 77011-4805	7/18/2006	SRV_ON
00195283-BA-0.625	SM-SR-D4	0.625"	405 72ND HOUSTON TX 77011-3715	3/25/2002	SRV_BGLOCK
02079911-BA-0.625	SM-SR-D4	0.625"	405 S 72ND HOUSTON TX 77011-4804	5/9/2002	SRV_ON
02058897-BA-0.625	SM-SR-D4	0.625"	406 S 72ND HOUSTON TX 77011-4805	5/9/2002	SRV_ON
02058844-BA-0.625	SM-SR-D4	0.625"	409 S 72ND HOUSTON TX 77011-4804	5/9/2002	SRV_ON
02058899-BA-0.625	SM-SR-D4	0.625"	410 S 72ND HOUSTON TX 77011-4805	5/9/2002	SRV_ON
02058845-BA-0.625	SM-SR-D4	0.625"	411 S 72ND HOUSTON TX 77011-4804	5/9/2002	SRV_ON
02058843-BA-0.625	SM-SR-D4	0.625"	413 S 72ND HOUSTON TX 77011-4804	5/9/2002	SRV_ON
02058898-BA-0.625	SM-SR-D4	0.625"	414 S 72ND HOUSTON TX 77011-4805	5/9/2002	SRV_ON
02096744-BA-1.000	SM-SR-D4	1"	417 S 72ND HOUSTON TX 77011-4804	6/24/2002	SRV_ON
02058896-BA-0.625	SM-SR-D4	0.625"	418 S 72ND HOUSTON TX 77011-4805	5/9/2002	SRV_ON
01060131-BA-0.625	SM-SR-D4	0.625"	421 S 72ND HOUSTON TX 77011-4804	5/4/2002	SRV_ON
02058895-BA-0.625	SM-SR-D4	0.625"	422 S 72ND HOUSTON TX 77011-4805	5/9/2002	SRV_ON
02058823-BA-0.625	SM-SR-D4	0.625"	425 S 72ND HOUSTON TX 77011-4804	5/9/2002	SRV_ON
02058864-BA-0.625	SM-SR-D4	0.625"	428 S 72ND HOUSTON TX 77011-4805	5/9/2002	SRV_ON
06561804-BA-1.500	SM-SR-D5	1.5"	501 72ND HOUSTON TX 77011-3717	1/16/2009	SRV_ON
02080590-BA-0.625	SM-SR-D4	0.625"	503 72ND HOUSTON TX 77011-3717	6/4/2002	SRV_ON
00074694-BA-0.625	SM-SR-D4	0.625"	505 72ND HOUSTON TX 77011-3717	11/4/2002	SRV_ON
02080588-BA-0.625	SM-SR-D4	0.625"	507 72ND HOUSTON TX 77011-3717	6/4/2002	SRV_ON
87318622-BA-0.625	SM-SR-D4	0.625"	603 72ND HOUSTON TX 77011-3751	4/12/1988	
02079525-BA-0.625	SM-SR-D4	0.625"	611 72ND HOUSTON TX 77011-3751	6/4/2002	SRV_ON
02080597-BA-0.625	SM-SR-D4	0.625"	702 72ND HOUSTON TX 77011-2744	6/4/2002	SRV_OFF
02080592-BA-0.625	SM-SR-D4	0.625"	706 72ND HOUSTON TX 77011-2744	6/4/2002	SRV_ON
02080591-BA-0.625	SM-SR-D4	0.625"	710 72ND HOUSTON TX 77011-2744	6/4/2002	SRV_ON

73RD STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
		0.625"	401 73RD HOUSTON TX 77011-3723*		
		0.625"	405 73RD P1-1 HOUSTON TX 77011-3723*		
		0.625"	408 73RD HOUSTON TX 77011-3724		
		1"	507 73RD HOUSTON TX 77011-3725		
		1"	507 73RD P2-1 HOUSTON TX 77011-0000		

74TH STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
06325187		0.625	202 S 74TH HOUSTON TX 77011-4715*		
28892651		0.625	305 S 74TH HOUSTON TX 77011-4806*		
06327181		1.500	323 S 74TH HOUSTON TX 77011-4863*		
		0.625"	507 74TH HOUSTON TX 77011-3807		
		0.625"	606 74TH HOUSTON TX 77011-3810		

75TH STREET

METER NO	METER TYPE	METER SIZE	SERVICE ADDRESS	INSTALL DATE	SERVICE STATUS
		0.625"	408 75TH HOUSTON TX 77011-3815		
		0.625"	603 75TH HOUSTON TX 77011-3818		
		0.625"	606 75TH HOUSTON TX 77011-3819		

NO.	DATE	REVISION	APP.

NOTE:

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2. CONTRACTOR TO FIELD VERIFY EXISTING WATER METERS IDENTIFIED WITH AN ASTERISK IN THE WATER METER TABLE LIST A MINIMUM OF 7 DAYS BEFORE ANY PROPOSED WATER RECONNECTION SERVICE TO BEGIN. CONTRACTOR TO NOTIFY THE ENGINEER IF NO EXISTING WATER METERS ARE FOUND OR NEW WATER METERS APPEAR THAT ARE NOT IDENTIFIED IN THE LIST.

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

METER COUNT TABLE
72ND – 75TH STREET

(SHEET 8 OF 8)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 205 OF 318	

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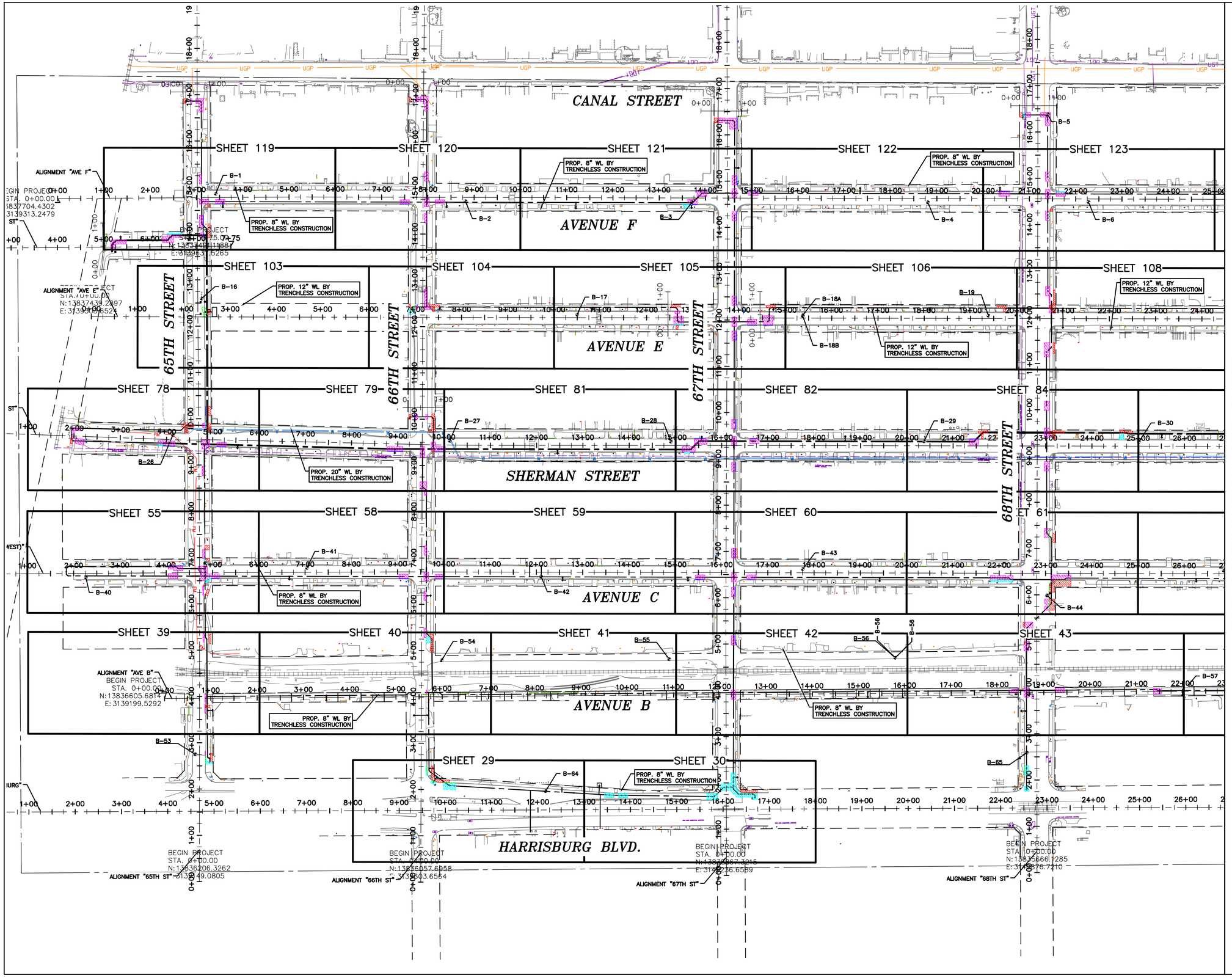

NORTH

100' 0' 100'

SCALE 1"=100'

NO.	DATE	REVISION	APP.

FOR CONTINUATION SEE SHEET 207

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PAVEMENT & ADA RAMP & SIDEWALK RESTORATION LAYOUT (SHEET 1 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 206 OF 318	

PLOTTED: 12/12/2025 1:37 PM

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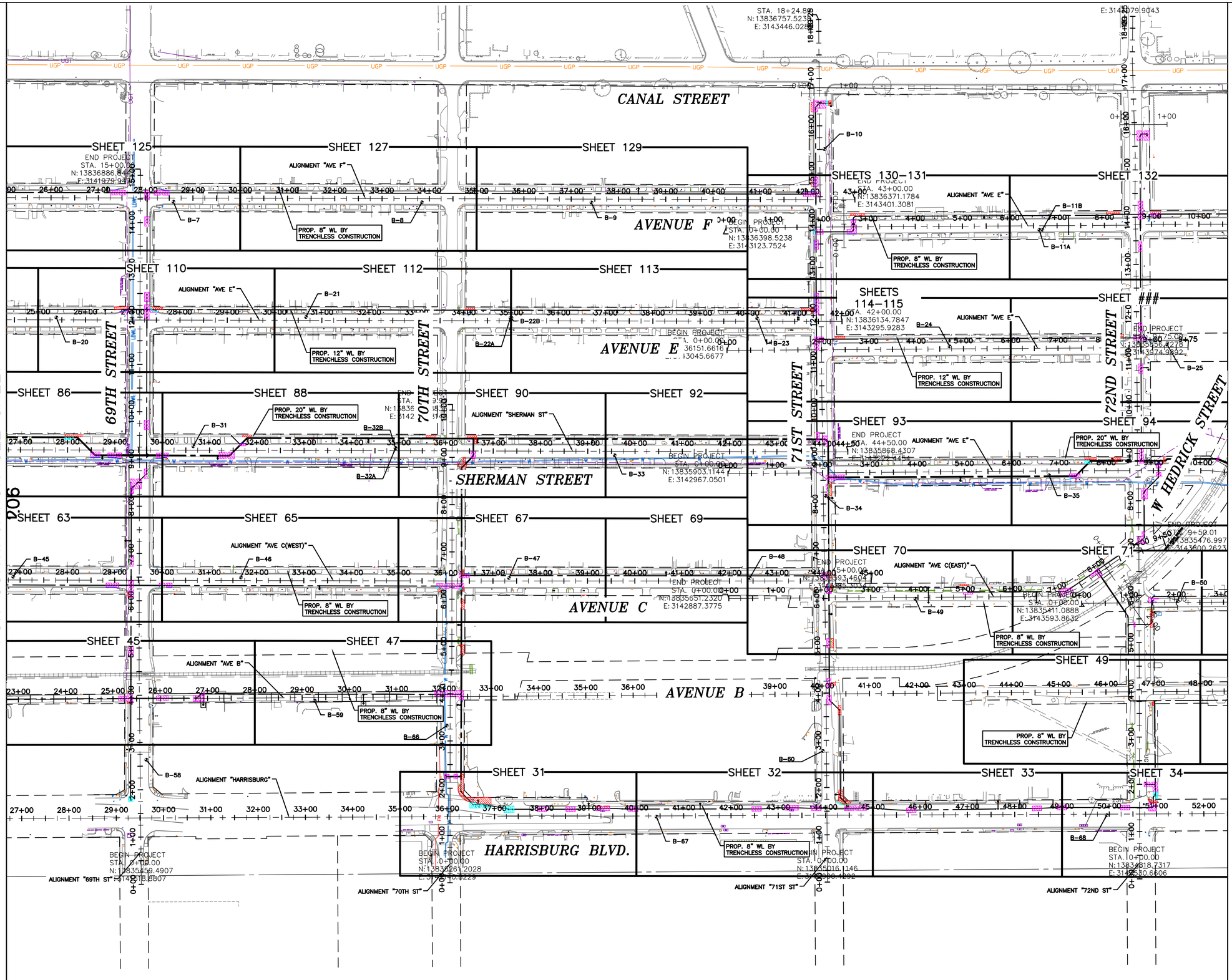
FOR CONTINUATION SEE SHEET 206

FOR CONTINUATION SEE SHEET 208



NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

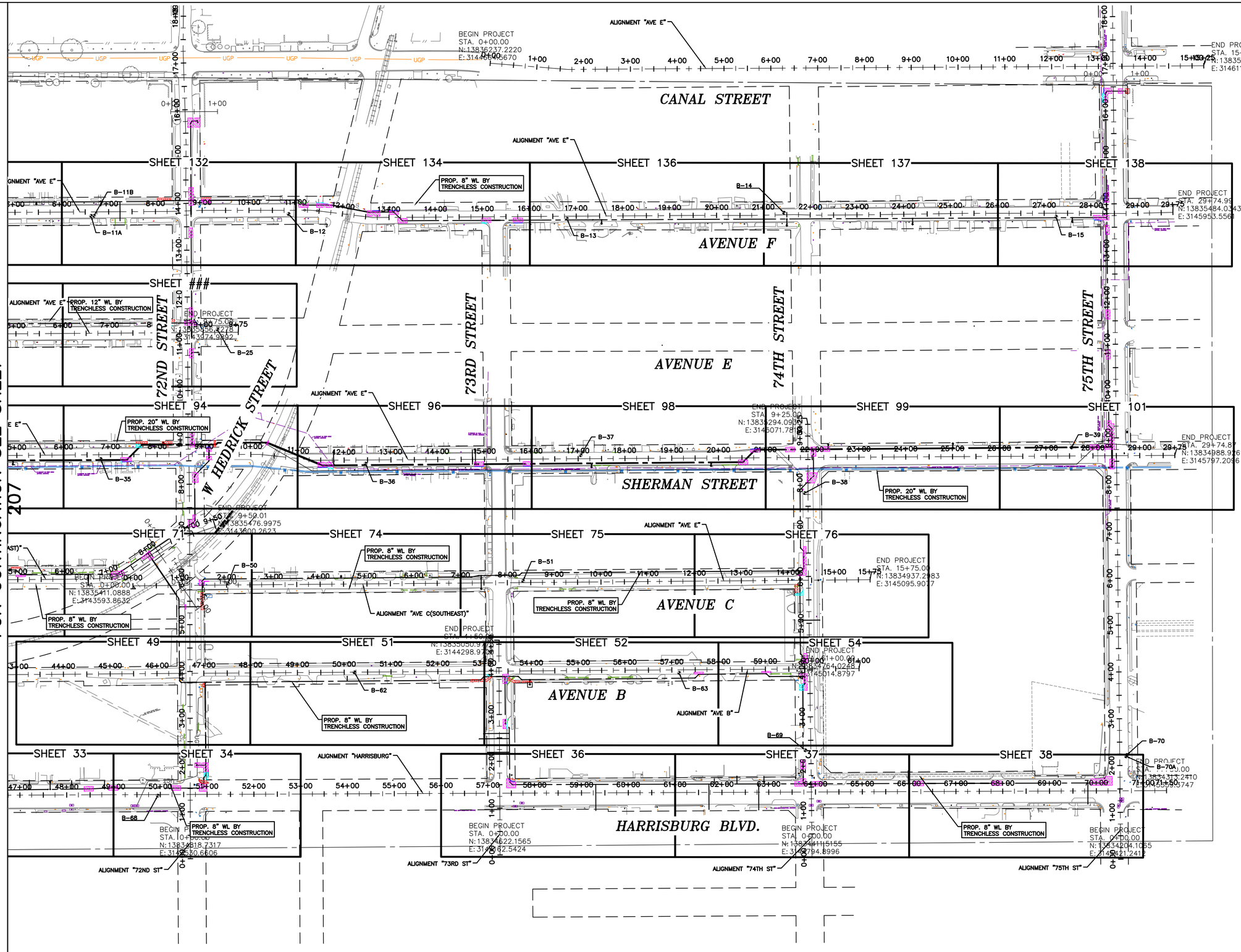
PAVEMENT & ADA RAMP & SIDEWALK RESTORATION PLAN (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 207 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wl Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PVMNT & ADA & SIDEWALK RESTORATION LAYOUT-OVERALL.dwg

PLOTTED: 12/12/2025 1:37 PM

FOR CONTINUATION SEE SHEET 207



100' 0' 100'
SCALE 1"=100'

NO.	DATE	REVISION	APP.

NOTICE:

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VERIFICATION OF PRIVATE UTILITY LINES

DATE:

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SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

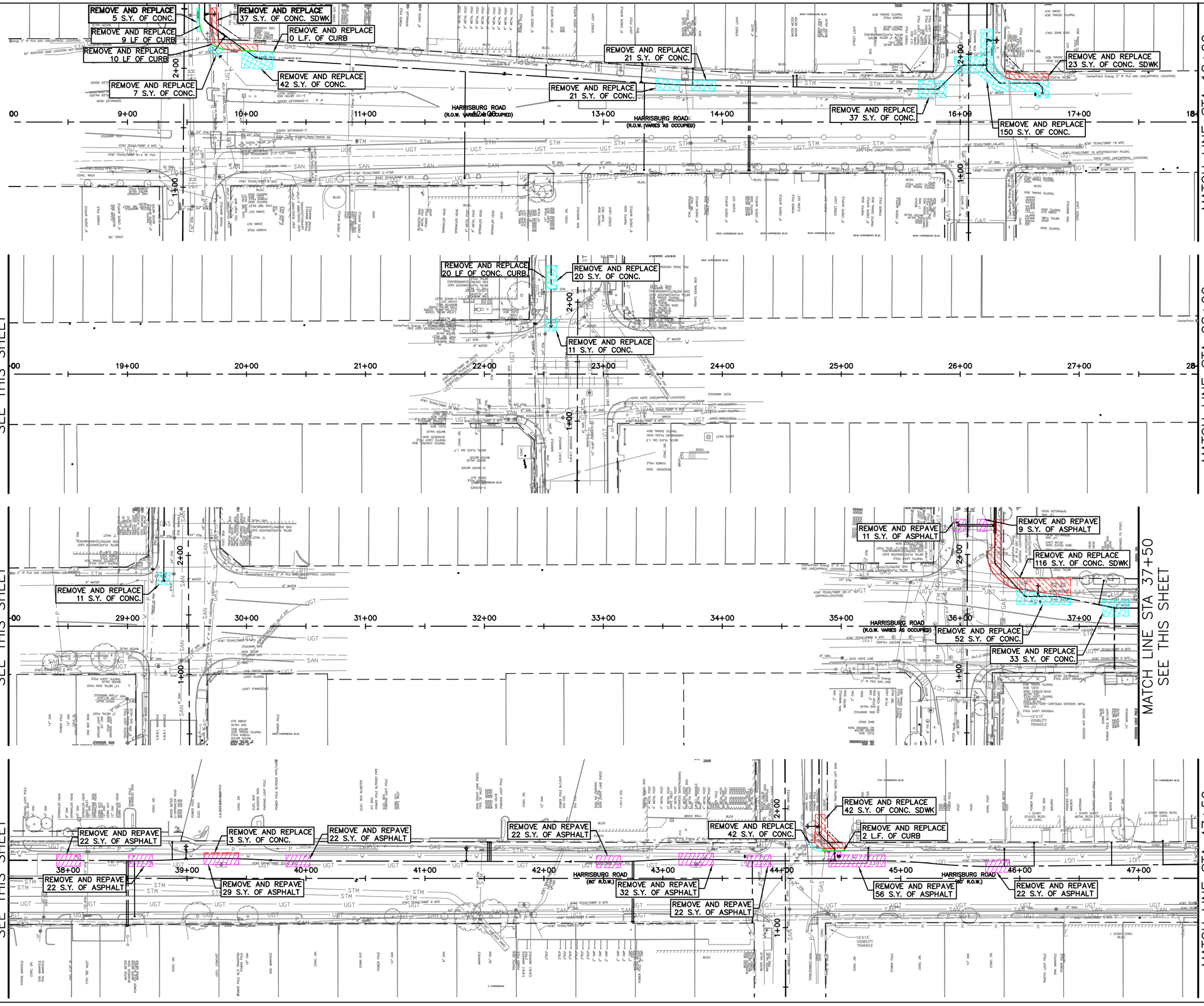
SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I
PAVEMENT AND ADA RAMP & SIDEWALK RESTORATION
(SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 208 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wi Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PVMNT AND ADA & SIDEWALK RESTORATION PLAN - HARRIS.dwg PLOTTED: 12/12/2025 1:38 PM



NO.	DATE	REVISION	APP.

40' 0' 40'
SCALE 1"=40'

LEGEND:

- REMOVE AND REPLACE EXIST. CONC. SDWK.
- REMOVE AND REPLACE EXIST. ASPHALT
- REMOVE AND REPLACE EXIST. CONC.
- REMOVE AND REPLACE EXIST. MONOLITHIC CURB
- REMOVE AND REPLACE EXIST. CURB

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

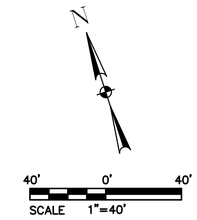
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION HARRISBURG ROAD STA. 8+00 TO STA. 47+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 209 OF 318	

PLOTTED: 12/12/2025 1:39 PM



NO.	DATE	REVISION	APP.

LEGEND:

- REMOVE AND REPLACE EXIST. CONC. SDWK.
- REMOVE AND REPLACE EXIST. ASPHALT
- REMOVE AND REPLACE EXIST. CONC.
- REMOVE AND REPLACE EXIST. MONOLITHIC CURB
- REMOVE AND REPLACE EXIST. CURB

NOTES:

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2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
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VERIFICATION OF PRIVATE UTILITY LINES

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SIGNATURE VALID FOR SIX MONTHS.

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DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

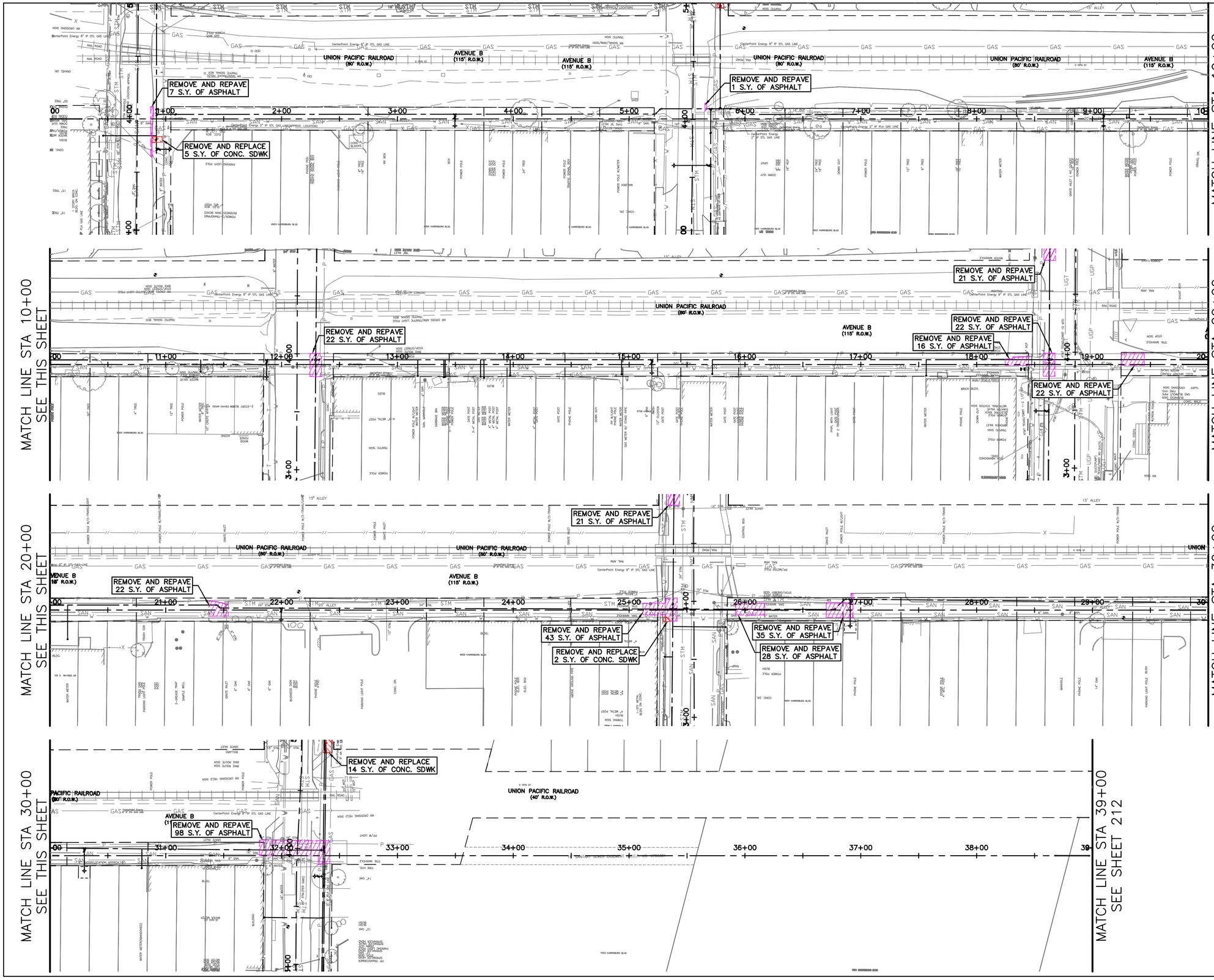
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

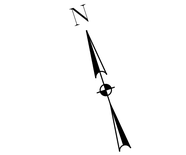
PVMT & ADA RAMP & SDWK RESTORATION HARRISBURG ROAD STA. 47+50 TO STA. 71+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 210 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wi Rehab in Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\

FILE PATH: J:\cohoustonpwe\2000000166.000_wi Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PVMNT AND ADA & SIDEWALK RESTORATION PLAN - AVE B.dwg PLOTTED: 12/12/2025 1:40 PM





NO.	DATE	REVISION	APP.

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- REMOVE AND REPLACE EXIST. ASPHALT
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FB NO. P-5397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
AVENUE B
STA. 0+00 TO STA. 39+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 211 OF 318	

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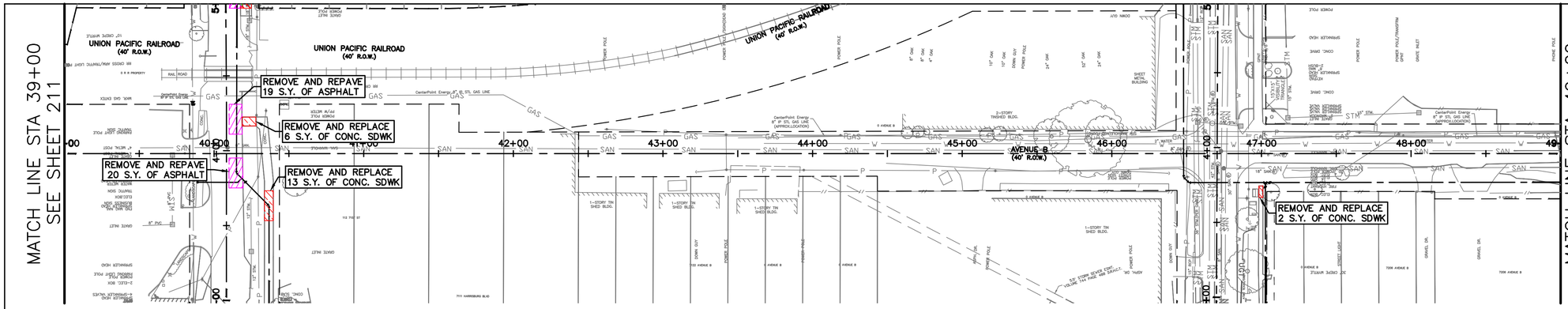

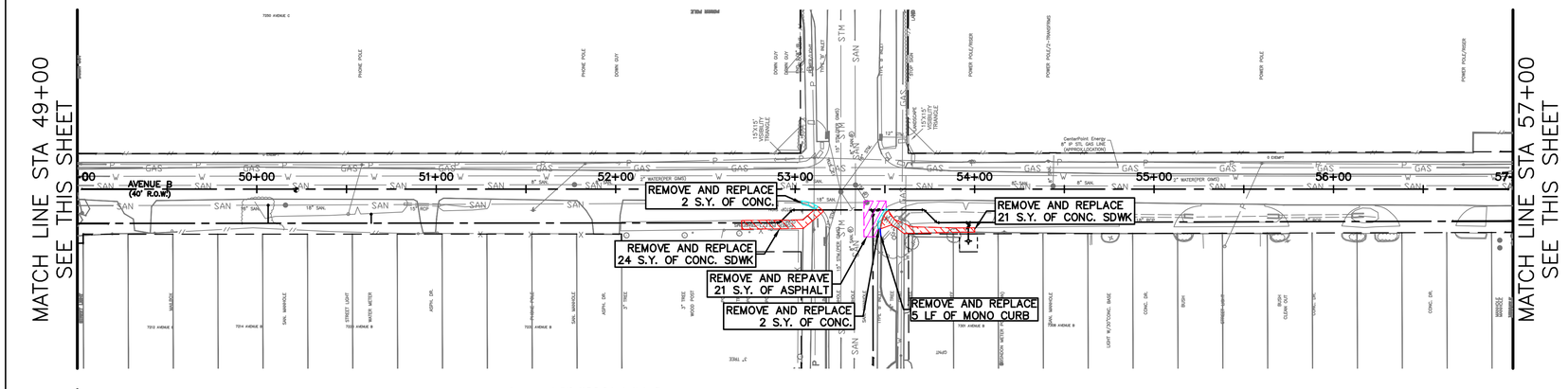

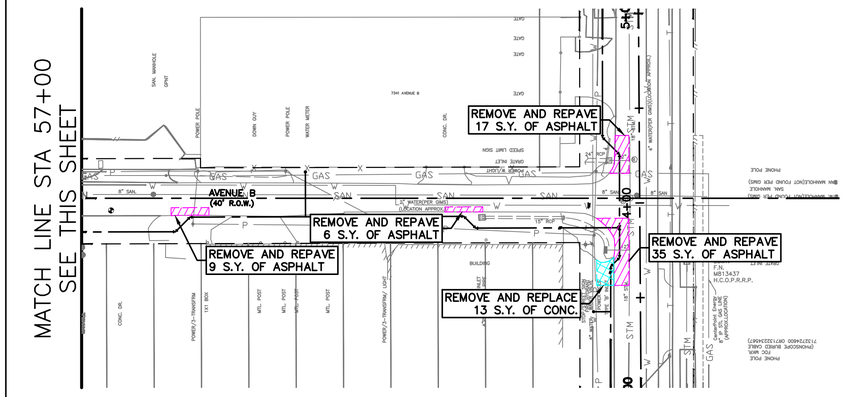

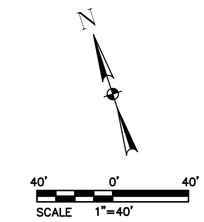

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SURVEYED BY:
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FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
AVENUE B
STA. 39+00 TO STA. 61+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 212 OF 318	

FILE PATH: J:\cohoustonpwe\2000000166.000_wi Rehab In Central Pk & Magnolia Pk Sub\6.00_cadd\6.03_drawings\6.03.1_Sheet_Files\20-0166.0-PD-PVMNT AND ADA & SIDEWALK RESTORATION PLAN - AVE C.dwg
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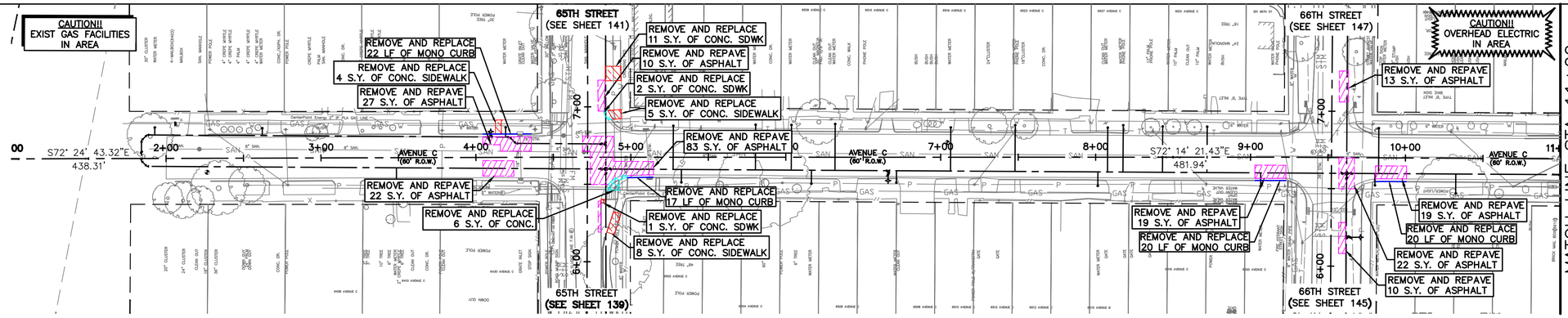

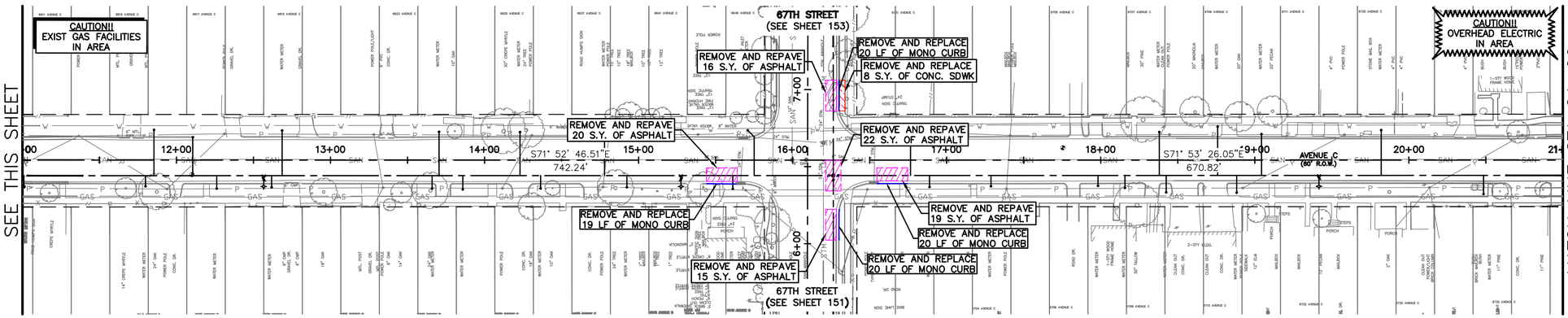

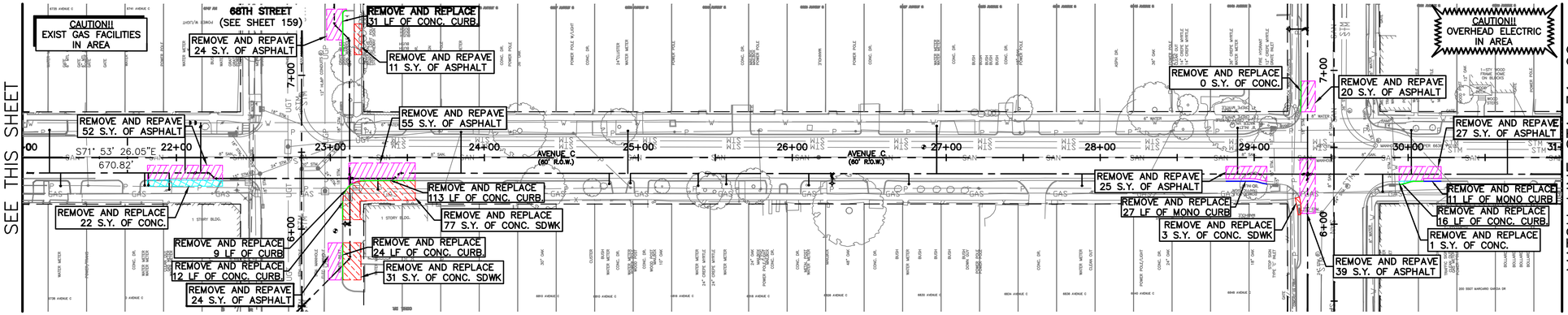

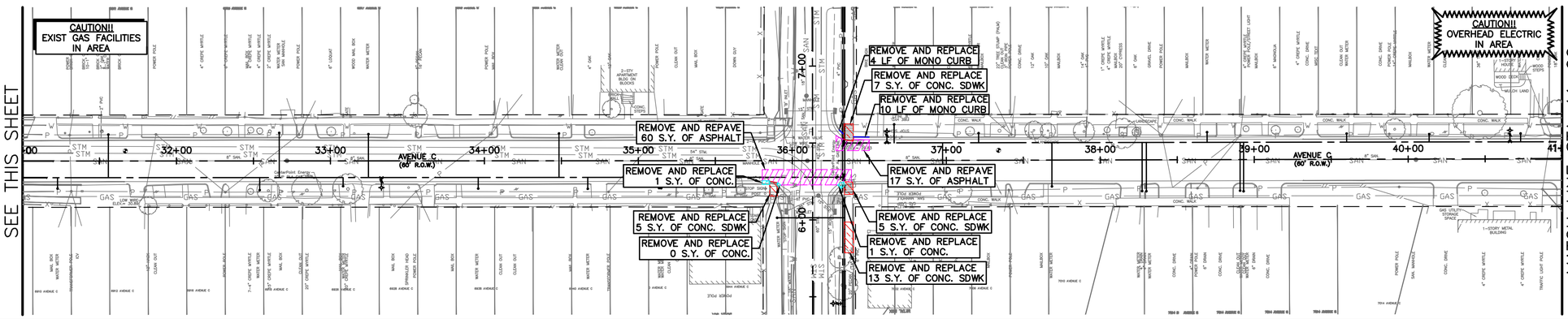

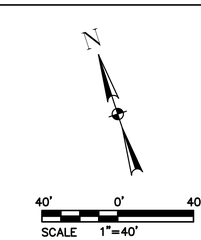

NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-5397

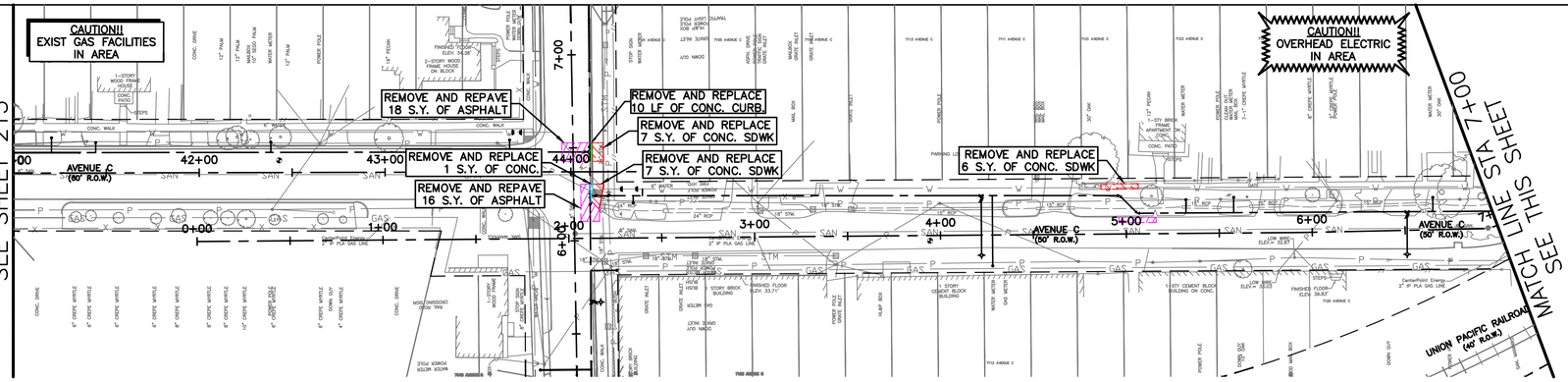
CITY OF HOUSTON

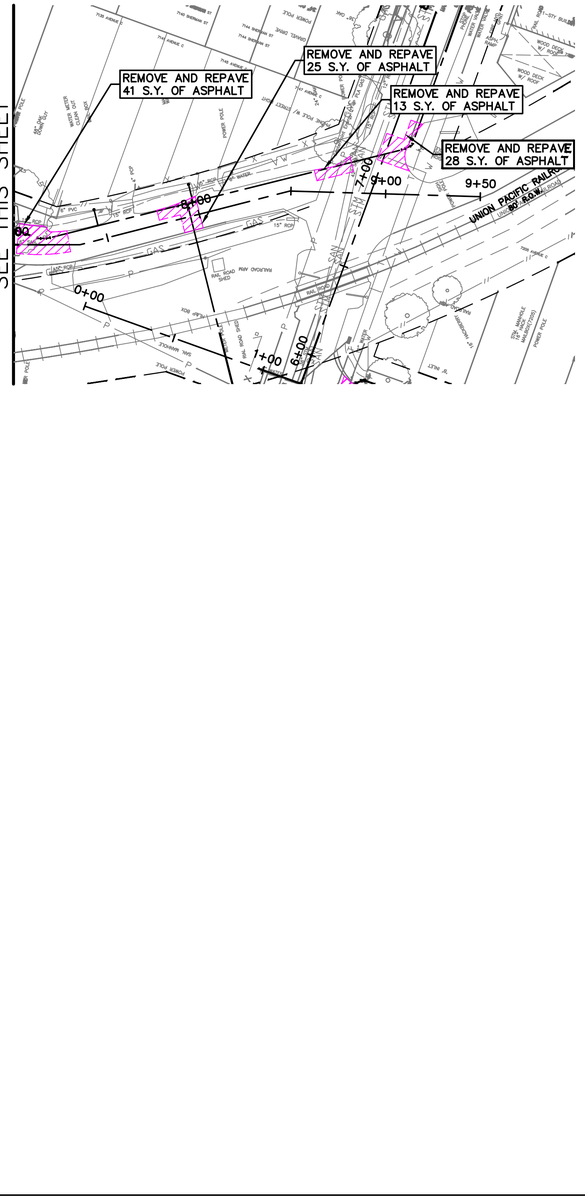
HOUSTON PUBLIC WORKS

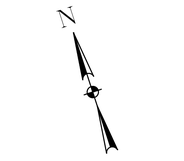
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
AVENUE C – WEST
STA. 1+00 TO STA. 41+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 213 OF 318	







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PVMT & ADA RAMP & SDWK RESTORATION
AVENUE C – EAST
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WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 214 OF 318	

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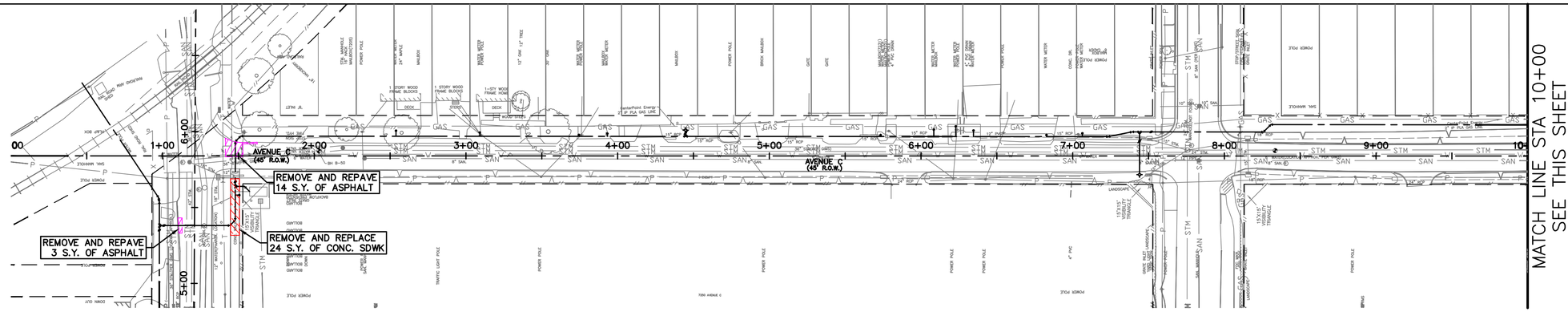

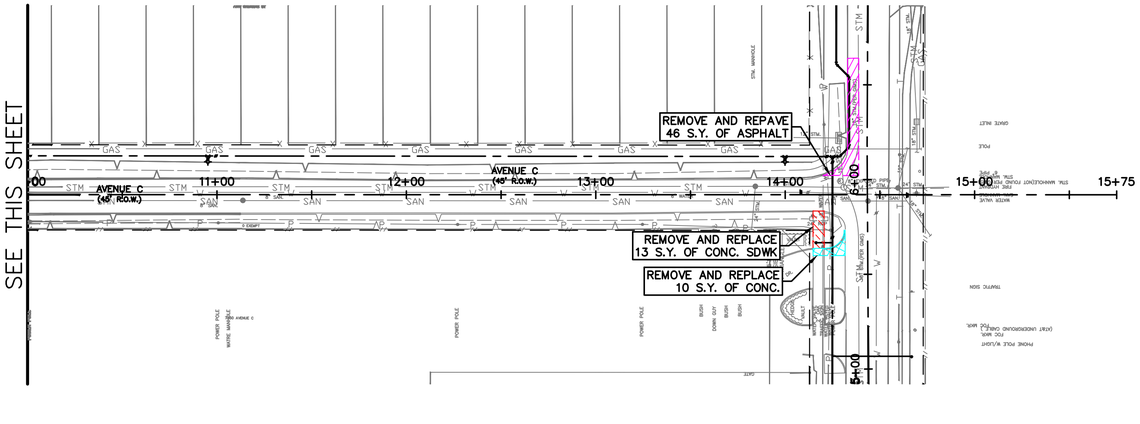

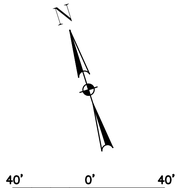

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SHEET NO. 215 OF 318	

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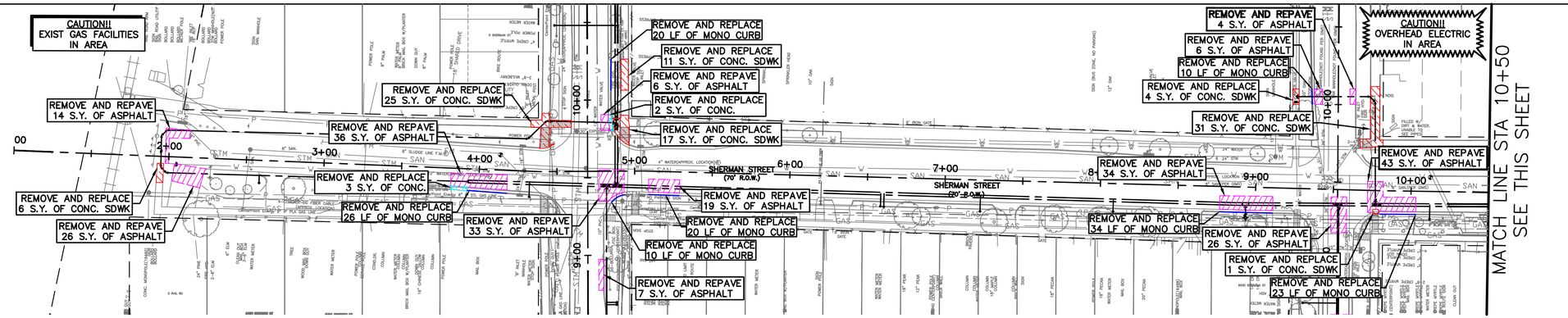

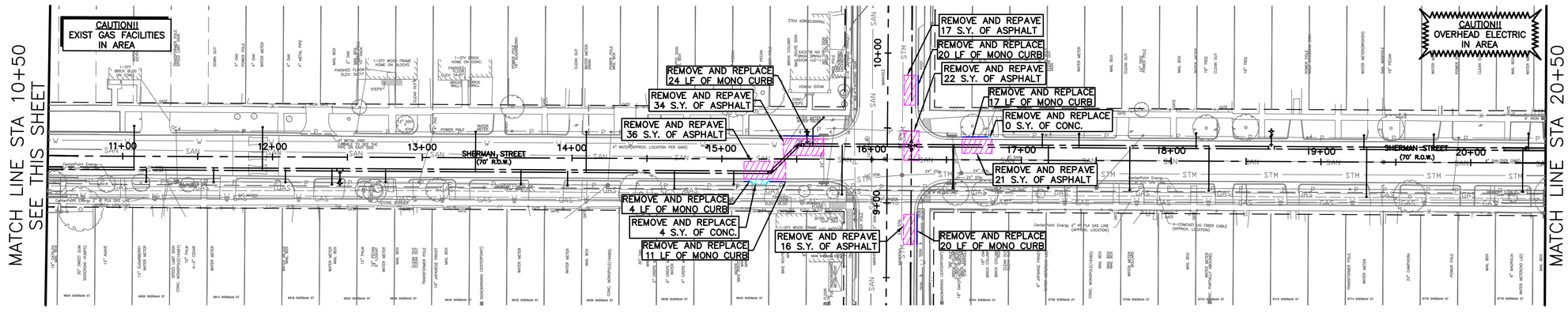

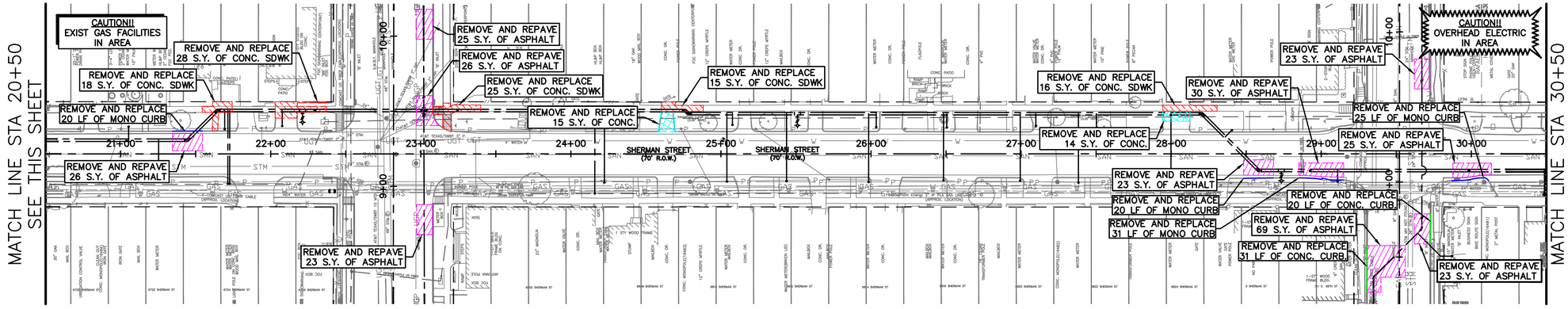

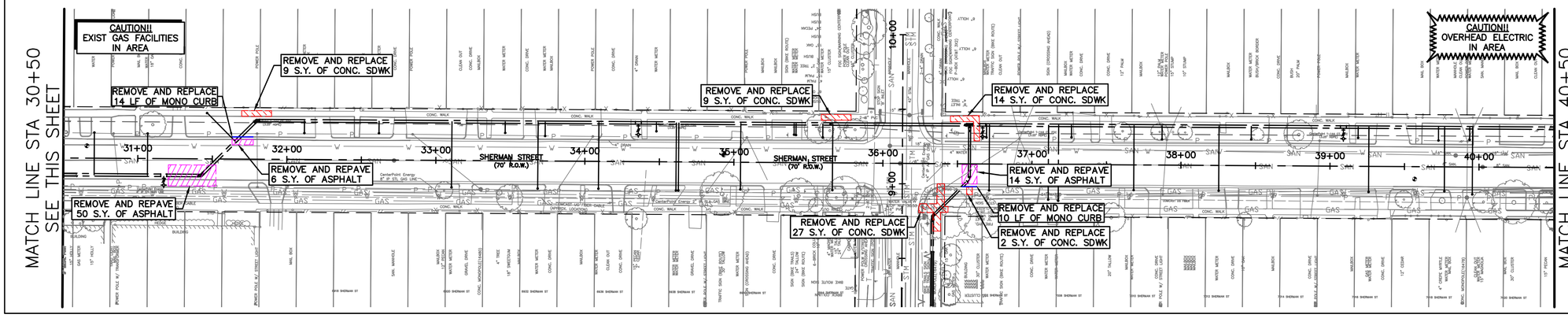

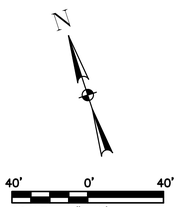

NO.	DATE	REVISION	APP.

LEGEND:

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- REMOVE AND REPLACE EXIST. ASPHALT
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- REMOVE AND REPLACE EXIST. MONOLITHIC CURB
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

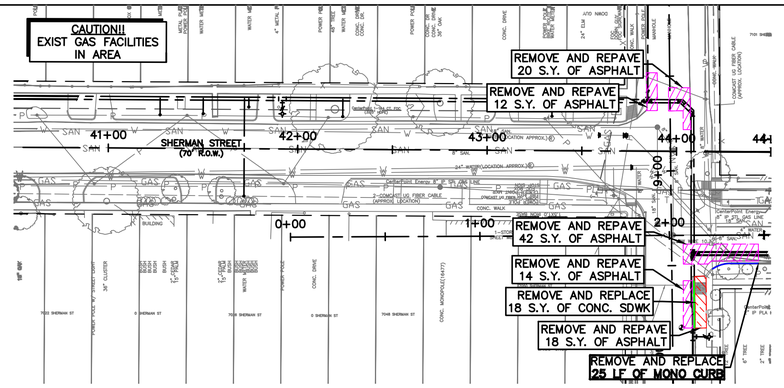
CITY OF HOUSTON

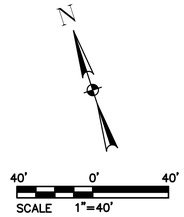
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK SHERMAN STREET WEST STA. 1+00 – STA. 40+50 STA. 1+00 TO STA. 40+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 216 OF 318	





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- REMOVE AND REPLACE EXIST. CONC.
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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA & SDWK RESTORATION
SHERMAN STREET WEST
STA. 40+50 TO STA. 44+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 217 OF 318	

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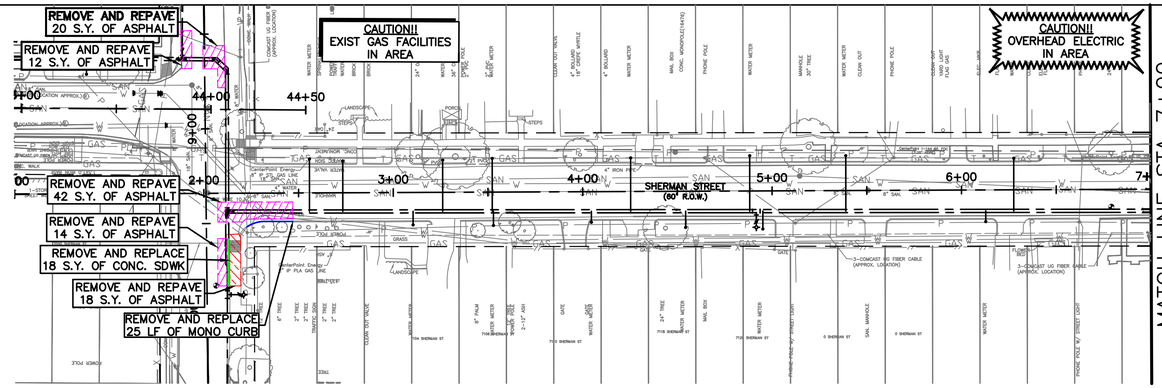

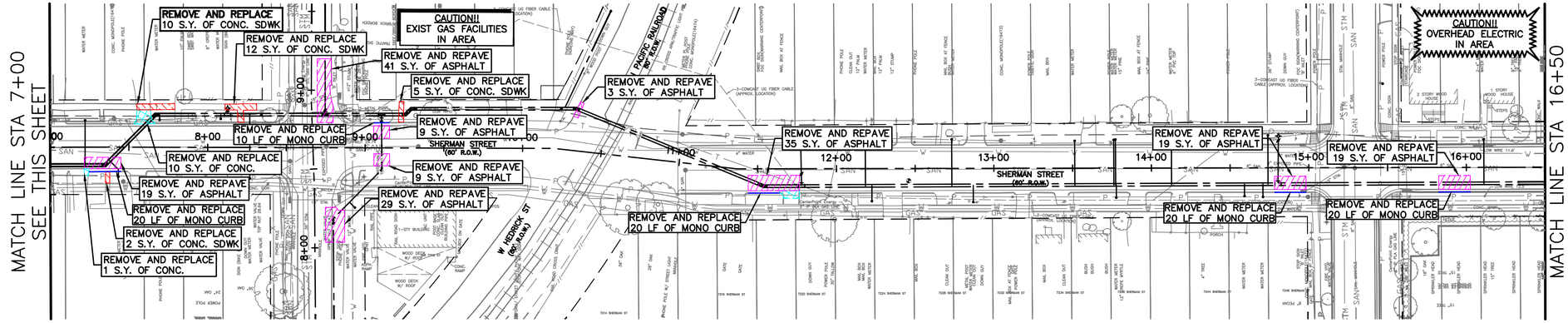

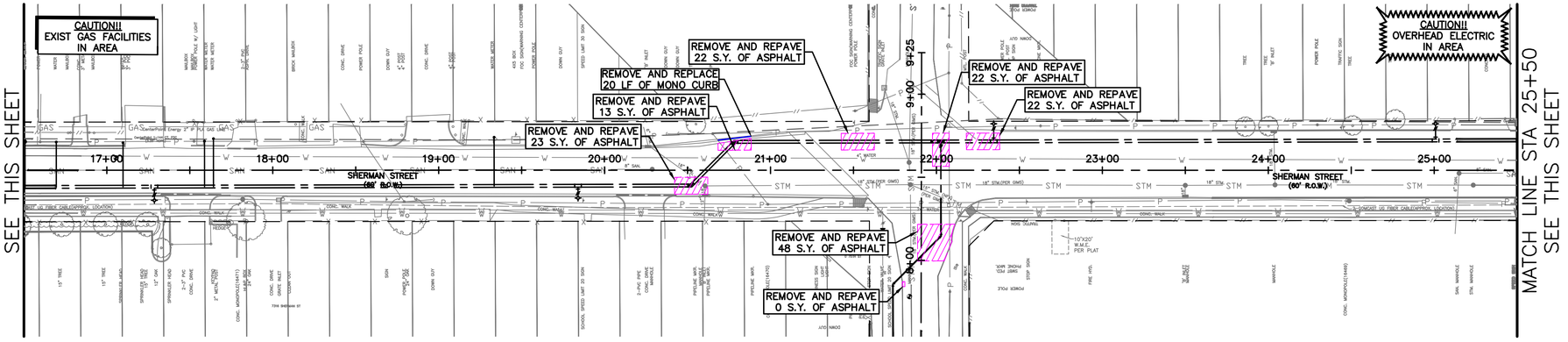

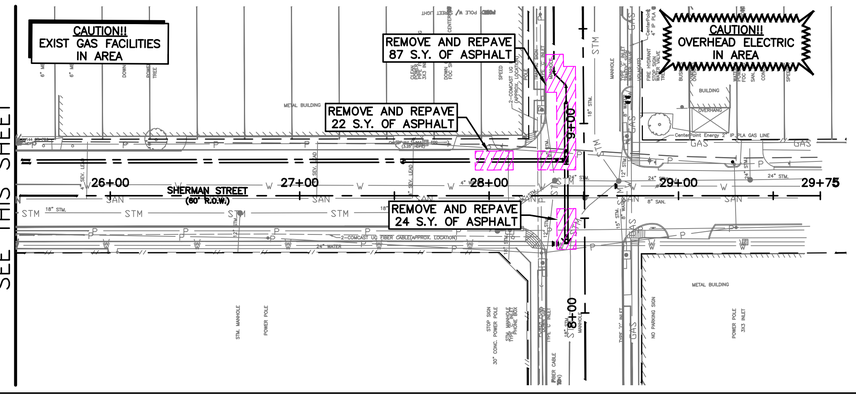

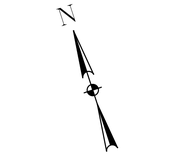

NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

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FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
SHERMAN STREET
STA. 1+00 TO STA. 29+75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 218 OF 318	

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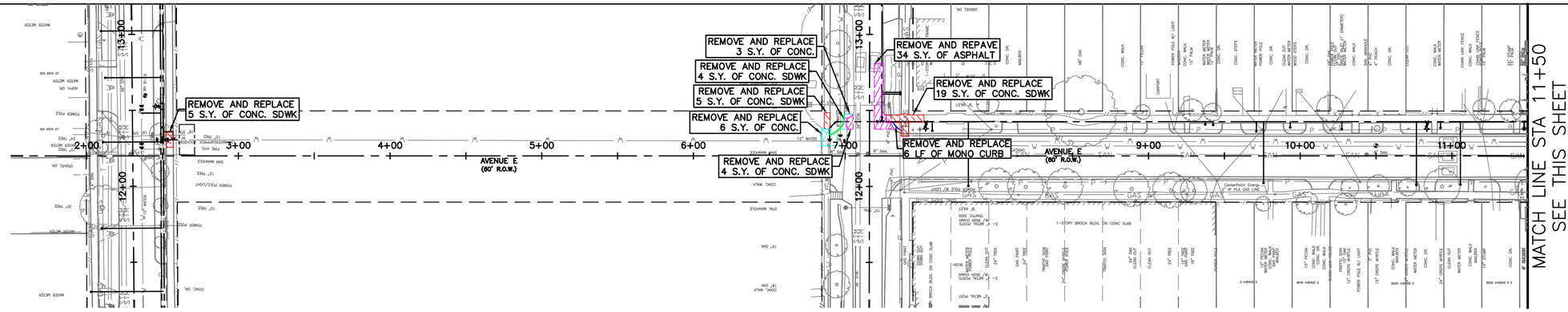

N

40' 0' 40'

SCALE 1"=40'

NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

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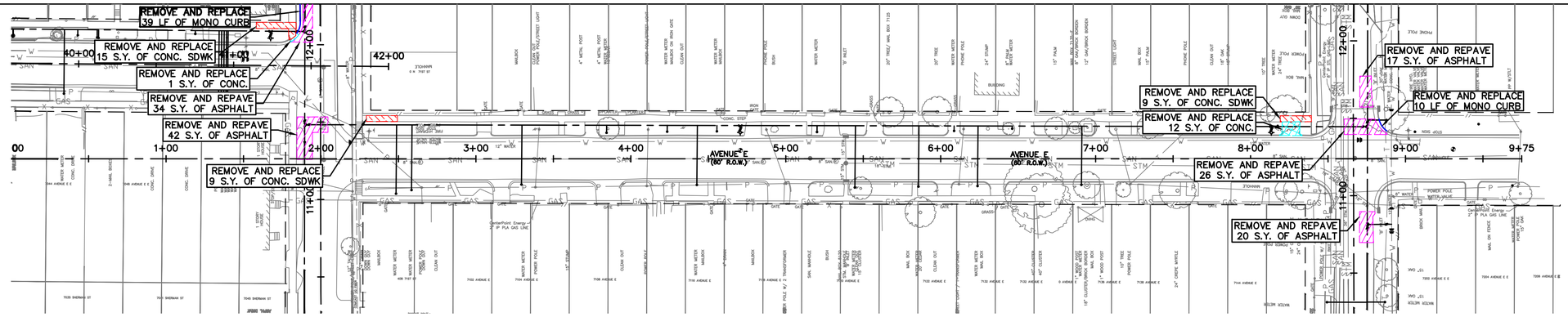
CITY OF HOUSTON

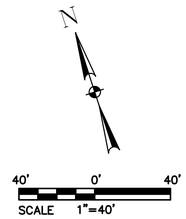
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION AVENUE E WEST STA. 1+50 TO STA. 42+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 219 OF 318	





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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
AVENUE E
STA. 0+00 TO STA. 9+75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 220 OF 318	

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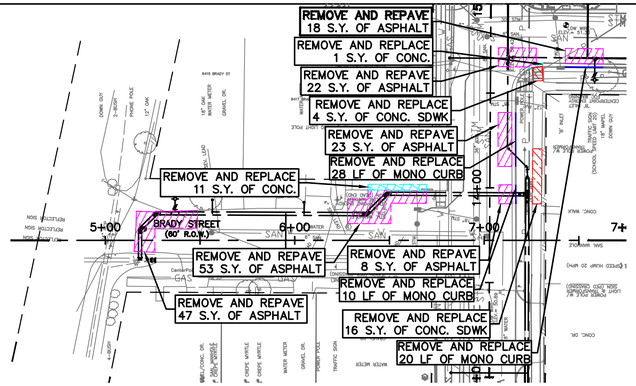

N

40' 0' 40'

SCALE 1"=40'

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
BRADY STREET
STA. 4+50 TO STA. 7+75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 221 OF 318	

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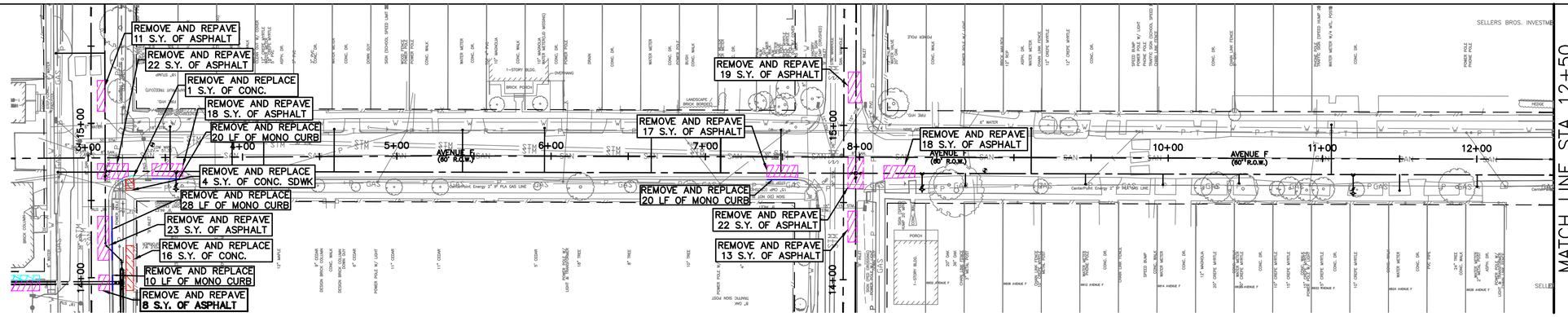

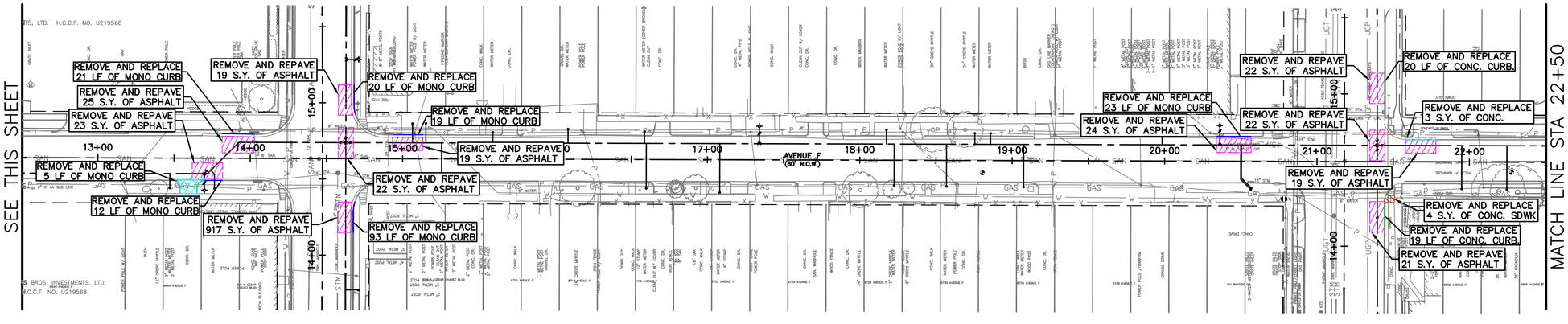

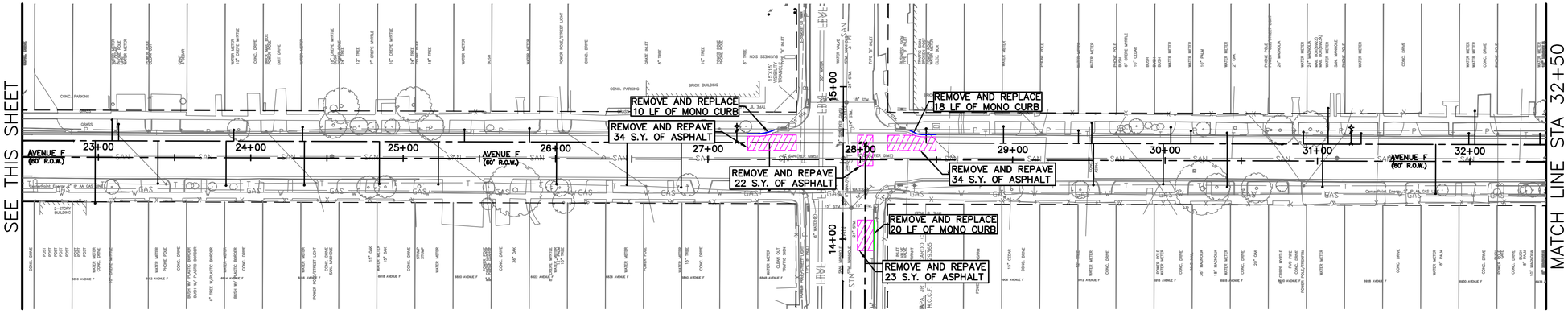

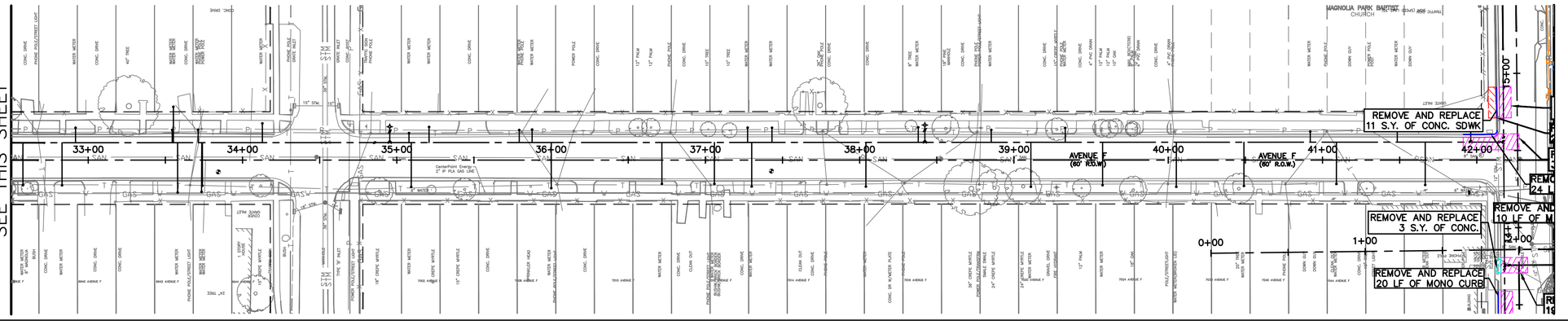

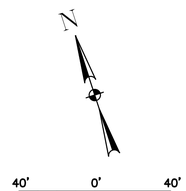

NO.	DATE	REVISION	APP.

LEGEND:

- REMOVE AND REPLACE EXIST. CONC. SDWK.
- REMOVE AND REPLACE EXIST. ASPHALT
- REMOVE AND REPLACE EXIST. CONC.
- REMOVE AND REPLACE EXIST. MONOLITHIC CURB
- REMOVE AND REPLACE EXIST. CURB

NOTES:

1. THIS PROJECT SHALL BE BUILT BY MEANS OF TRENCHLESS CONSTRUCTION EXCEPT AS NOTED ON THE DRAWINGS. CONTRACTOR TO DETERMINE THE LOCATION OF PITS IN FIELD, SUBJECT TO THE CITY ENGINEER'S APPROVAL.
2. SEE SHEETS 112 – 116 FOR TREE PROTECTION PLAN & DETAILS.
3. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4. CONTRACTOR SHALL RESTORE ROW TO EXISTING OR BETTER CONDITIONS.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINE CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

DATE:

CENTERPOINT ENERGY NATURAL GAS UTILITIES SHOWN.

(GAS SERVICE LINES ARE NOT SHOWN) THIS SIGNATURE NOT TO BE USED FOR CONFLICT VERIFICATION

SIGNATURE VALID FOR SIX MONTHS.

DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

(THIS SIGNATURE VERIFIES UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)

SIGNATURE VALID FOR SIX (6) MONTHS

DATE:

AT&T

Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
AVENUE F WEST
STA. 2+50 TO STA. 42+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 222 OF 318	

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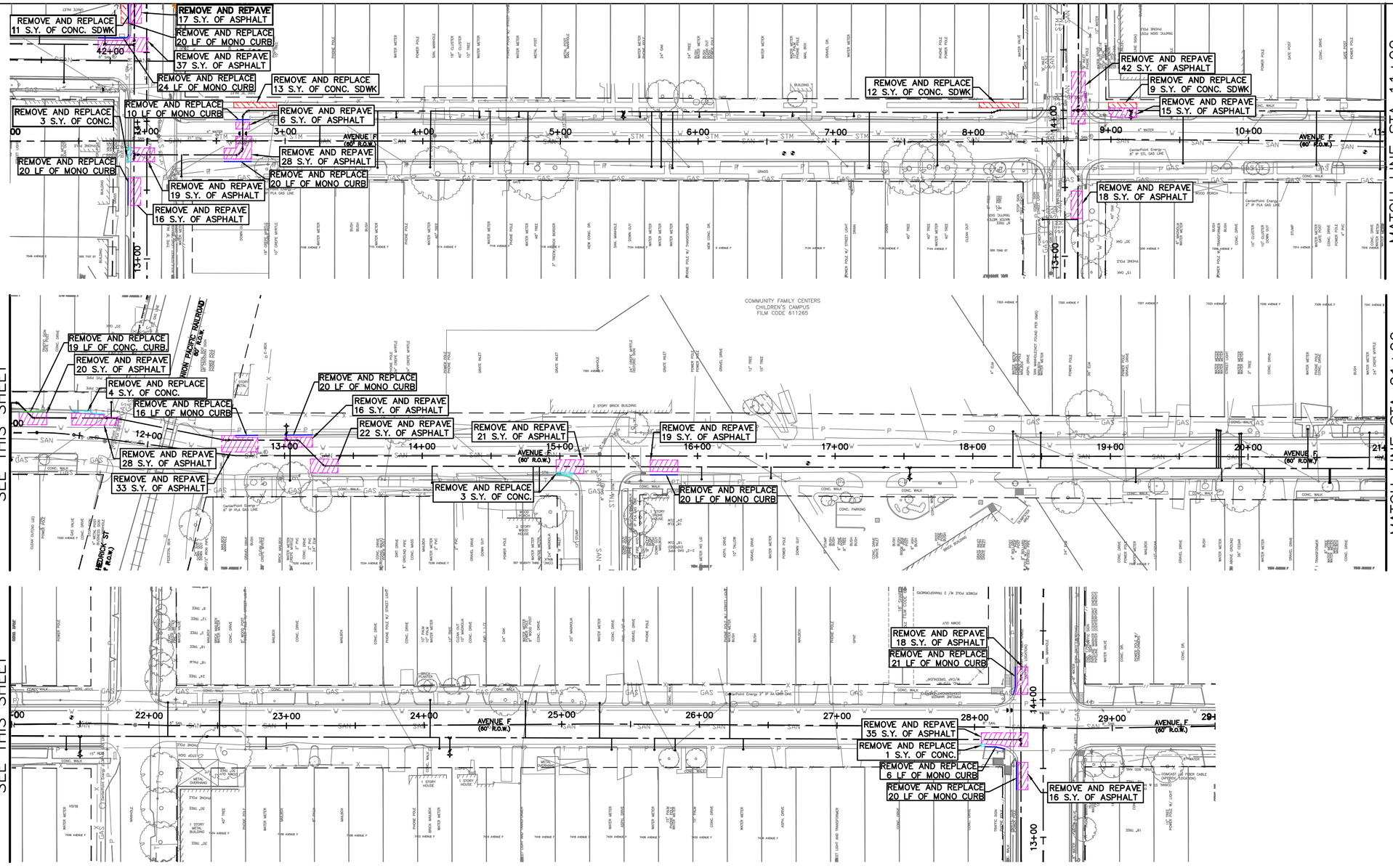

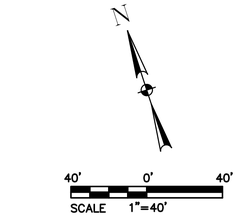

NO.	DATE	REVISION	APP.

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- REMOVE AND REPLACE EXIST. ASPHALT
- REMOVE AND REPLACE EXIST. CONC.
- REMOVE AND REPLACE EXIST. MONOLITHIC CURB
- REMOVE AND REPLACE EXIST. CURB

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VERIFICATION OF PRIVATE UTILITY LINES

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DATE:

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY.

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Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.

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1710 Seamist Dr, Houston, TX 77008
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ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PVMT & ADA RAMP & SDWK RESTORATION
AVENUE F WEST
STA. 1+00 TO STA. 29+75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 223 OF 318	

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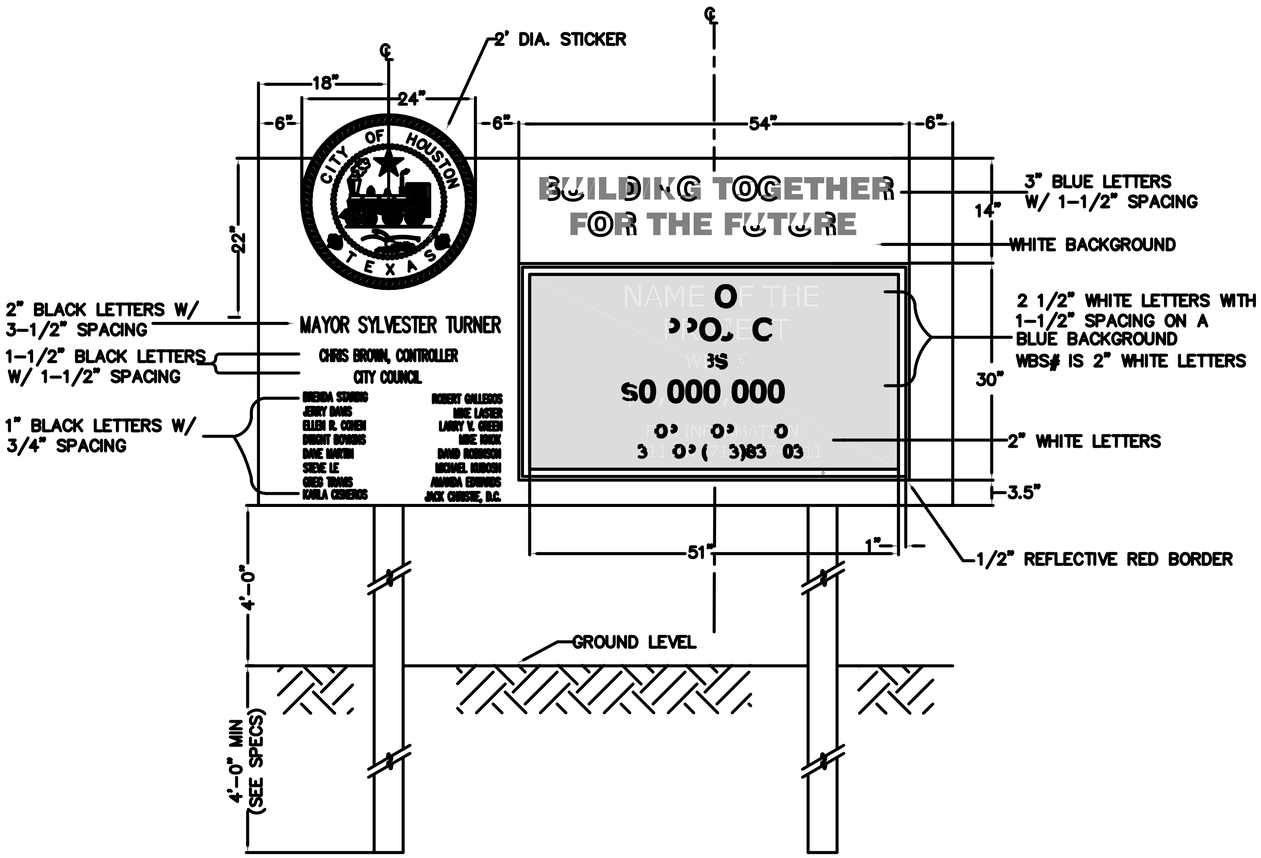
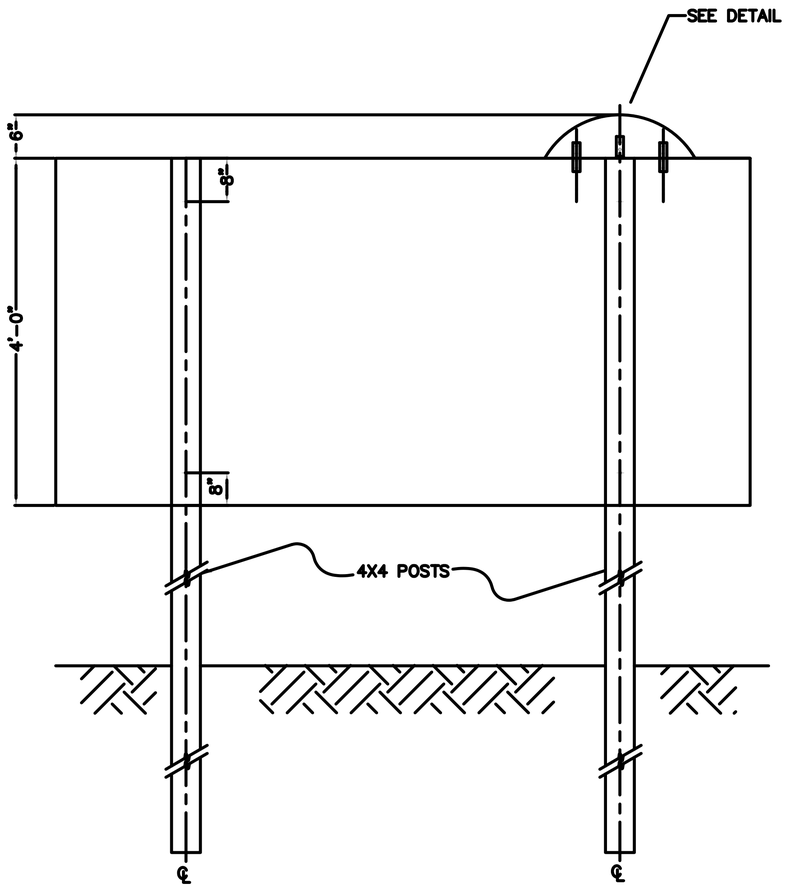
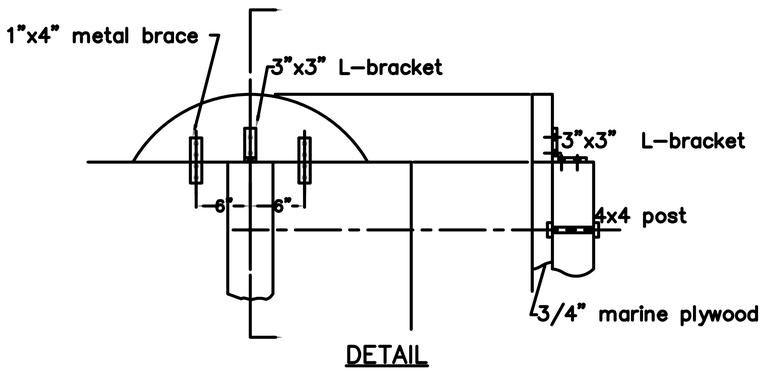


FRONT VIEW



BACK VIEW



DETAIL

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

CONSTRUCTION SIGN

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 224 OF 318	

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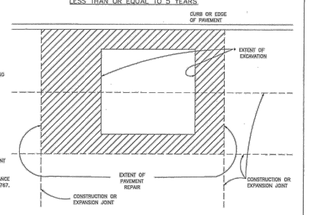
02951-01

CONCRETE PAVEMENT RESTORATION
AGE OF PAVEMENT
LESS THAN OR EQUAL TO 5 YEARS

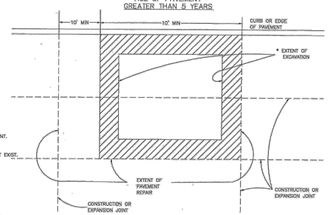


NOTES:
1. EXTENT OF PAVEMENT REPAIR SHALL BE PERPENDICULAR AND PARALLEL TO TRAVEL WAY.
2. REPLACE ENTIRE PANEL WIDTH AND LENGTH TO NEAREST CONSTRUCTION OR EXPANSION JOINT BEYOND EDGE OF EXCAVATION.
3. SAW CUT AND EXPOSE 15" OF REINFORCING STEEL WITHIN EXISTING PAVEMENT. PROVIDE HORIZONTAL DOWELS (PER SPECIFICATION SECTION 02902-07) IF EXISTING REINFORCING IS BROKEN OFF.
4. REPLACE CURB WHEN ADJACENT LANE IS REPLACED.
5. MAINTAIN EXPANSION JOINTS AT EXISTING LOCATIONS UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
6. SPECIALTY PAVEMENTS (EG BRICK PAVERS) TO BE REPLACED WITH MATCHING PAVEMENT IN ALL CASES.
7. REPLACE PAVEMENT MARKINGS IN ACCORDANCE WITH CITY SPECIFICATIONS 02764 AND 02767.
8. (*) EXTENT OF EXCAVATION INCLUDES 18" OVERCUT AS SHOWN ON STANDARD DETAIL 02902-01.

STREET CUT PAVEMENT REPLACEMENT – CONCRETE PAVEMENT LESS THAN 5 YEARS IN AGE
NTS

02951-02

CONCRETE PAVEMENT RESTORATION
AGE OF PAVEMENT
GREATER THAN 5 YEARS

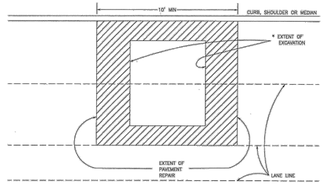


NOTES:
1. EXTENT OF PAVEMENT REPAIR SHALL BE PERPENDICULAR AND PARALLEL TO TRAVEL WAY.
2. WIDTH:
   REPLACE PANEL WIDTH TO NEAREST CONSTRUCTION OR EXPANSION JOINT BEYOND EDGE OF EXCAVATION.
3. LENGTH:
   a. MINIMUM LENGTH OF PAVEMENT REPAIR ALONG TRAVEL WAY IS 10' FROM THE NEAREST JOINT.
   b. IF EDGE OF EXCAVATION IS LESS THAN 10' FROM EXISTING CONSTRUCTION OR EXPANSION JOINT, REPLACE PAVEMENT TO EXISTING JOINT.
4. SAW CUT AND EXPOSE 15" OF REINFORCING STEEL AROUND EDGE OF PANEL REPLACEMENT. PROVIDE HORIZONTAL DOWELS (PER SPECIFICATION SECTION 02902-07) IF REINFORCING IS BROKEN OFF OR DOES NOT EXIST.
5. REPLACE CURB WHEN ADJACENT LANE IS REPLACED.
6. MAINTAIN EXPANSION JOINTS AT EXISTING LOCATIONS UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
7. SPECIALTY PAVEMENTS (EG BRICK PAVERS) TO BE REPLACED WITH MATCHING PAVEMENT IN ALL CASES.
8. REPLACE PAVEMENT MARKINGS IN ACCORDANCE WITH CITY SPECIFICATIONS 02764 AND 02767
9. (*) EXTENT OF EXCAVATION INCLUDES 18" OVERCUT AS SHOWN ON STANDARD DETAIL 02902-01.

STREET CUT PAVEMENT REPLACEMENT – CONCRETE PAVEMENT OVER THAN 5 YEARS IN AGE
NTS

02951-03

ASPHALT PAVEMENT RESTORATION
PAVEMENT OF ALL AGES



NOTES:
1. EXTENT OF PAVEMENT REPAIR SHALL BE PERPENDICULAR AND PARALLEL TO TRAVEL WAY.
2. FLEXIBLE BASE:
   REPLACE BASE TO SAME THICKNESS PLUS TWO INCHES (2") FOR EXTENT OF EXCAVATION, USE APPROVED BASE MATERIAL TYPE.*
3. SURFACE COURSE:
   A. WIDTH:
      SURFACE MILL AND OVERLAY FULL WIDTH OF LANE(S) TO NEAREST CURB OR SHOULDER BEYOND EDGE OF EXCAVATION.
   B. LENGTH:
      MINIMUM LENGTH OF SURFACE MILL ALONG TRAVEL WAY IS 10'.
   C. REPLACE PAVEMENT MARKINGS IN ACCORDANCE WITH CITY SPECIFICATION 02764 & 02767.
4. (*) EXTENT OF EXCAVATION INCLUDES 18" OVERCUT AS SHOWN ON STANDARD DETAIL 02902-01.

ADDITIONAL REQUIREMENTS FOR ASPHALT OVERLAY ON CONCRETE PAVEMENT:
1. REPLACE CONCRETE FOR EXTENT OF EXCAVATION. REPLACE TO SAME THICKNESS PLUS TWO INCHES (2").
2. WIDTH:
   IF EXCAVATION EXTENDS MORE THAN HALF OF A LANE, REPLACE ENTIRE LANE OF CONCRETE. OTHERWISE USE STANDARD DETAIL 02902-01.
3. SAW CUT AND EXPOSE 15" OF REINFORCING STEEL AROUND EDGE OF CONCRETE REPLACEMENT. IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS PER SPECIFICATIONS SECTION 02902.
4. REPLACE CURB WHEN ADJACENT LANE IS REPLACED.
5. MAINTAIN CONCRETE EXPANSION JOINTS AT EXISTING LOCATIONS UNLESS OTHERWISE APPROVED BY CITY ENGINEER.

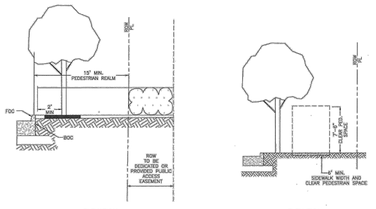
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

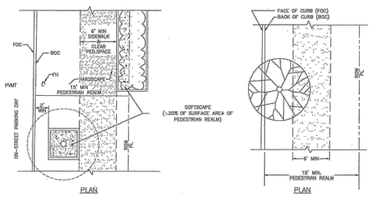
STREET PAVING AND SIDEWALK
02951-01 THROUGH 02951-03

APPROVED BY: CITY ENGINEER
APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS
EFFECTIVE DATE: JUL-01-2020
FOR CITY OF HOUSTON USE ONLY

STREET CUT PAVEMENT REPLACEMENT – ASPHALT PAVEMENT FOR PAVEMENT OF ALL AGES
NTS

02775-08





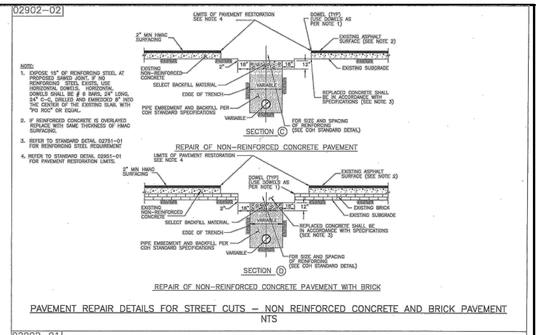
PEDESTRIAN REALM PERFORMANCE STANDARD

SIDEWALK & CLEAR PEDESTRIAN ZONE MANDATORY MINIMUM REQUIREMENT

NOTES
1. REFER TO CHAPTER 42 OF THE CODE OF ORDINANCES, ARTICLE IV – TRANSIT CORRIDOR DEVELOPMENT.

SIDEWALKS AND CLEAR ZONE TRANSIT CORRIDOR STREET
NTS

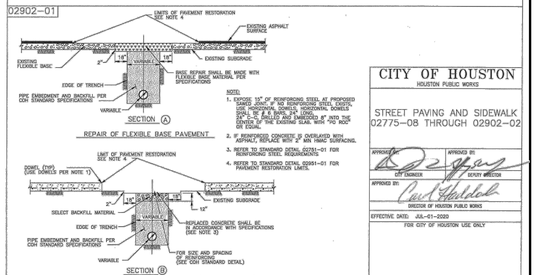
02902-02



NOTES:
1. EXPOSE 15" OF REINFORCING STEEL AT PROPOSED SAWED JOINT. IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE # 5 BARS, 24" LONG, EPOXY COATED, AT 30" O/C INTO THE EDGE OF THE EXISTING SLAB WITH "PG HCC" OR EQUAL.
2. IF REINFORCED CONCRETE IS OVERLAYED REPLACE WITH SAME THICKNESS OF HMAC SURFACING.
3. REFER TO STANDARD DETAIL 02751-01 FOR REINFORCING STEEL REQUIREMENT.
4. REFER TO STANDARD DETAIL 02951-01 FOR PAVEMENT RESTORATION LIMITS.

PAVEMENT REPAIR DETAILS FOR STREET CUTS – NON REINFORCED CONCRETE AND BRICK PAVEMENT
NTS

02902-01



NOTE:
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2. IF REINFORCED CONCRETE IS OVERLAYED WITH ASPHALT, REPLACE WITH 2" MIN HMAC SURFACING.
3. REFER TO STANDARD DETAIL 02751-01 FOR REINFORCING STEEL REQUIREMENTS.
4. REFER TO STANDARD DETAIL 02951-01 FOR PAVEMENT RESTORATION LIMITS.

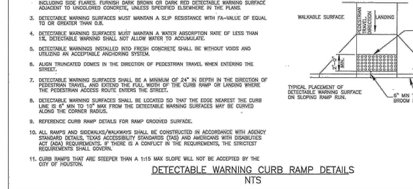
PAVEMENT REPAIR DETAILS FOR STREET CUTS
NTS

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STREET PAVING AND SIDEWALK
02775-08 THROUGH 02902-02

APPROVED BY: CITY ENGINEER
APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS
EFFECTIVE DATE: JUL-01-2020
FOR CITY OF HOUSTON USE ONLY
SHEET NO.

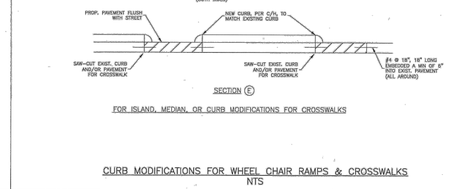
02775-06



GENERAL NOTES FOR DETECTABLE WARNINGS
1. DETECTABLE WARNING SURFACES MUST BE FULLY ADA COMPLIANT.
2. ALL NEW CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOMES. THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACE, INCLUDING SIDE FLARES. FURNISH DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNSOLDERED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN THE PLANS
3. DETECTABLE WARNING SURFACES MUST MAINTAIN A SLIP RESISTANCE WITH FA-VALUE OF EQUAL TO OR GREATER THAN 0.8.
4. DETECTABLE WARNING SURFACES MUST MAINTAIN A WATER ABSORPTION RATE OF LESS THAN 1%. DETECTABLE WARNING SHALL NOT ALLOW WATER TO ACCUMULATE.
5. DETECTABLE WARNINGS INSTALLED INTO FRESH CONCRETE SHALL BE WITHOUT VOIDS AND UTILIZING AN ACCEPTABLE ANCHORING SYSTEM.
6. ALIGN TRUNCATED DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
7. DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
8. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB RUN IS 6" MIN TO 8" MAX FROM THE DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.
9. REFERENCE CURB RAMP DETAILS FOR RAMP GROOVED SURFACE.
10. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS, TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
11. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.

DETECTABLE WARNING CURB RAMP DETAILS
NTS

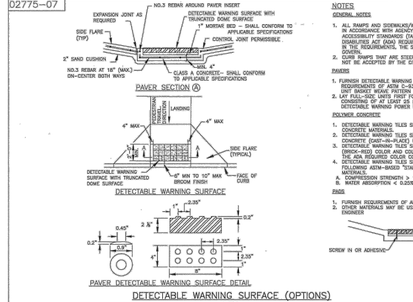
02775-04



FOR ISLAND, MEDIAN, OR CURB MODIFICATIONS FOR CROSSWALKS

CURB MODIFICATIONS FOR WHEEL CHAIR RAMPS & CROSSWALKS
NTS

02775-07



DETECTABLE WARNING SURFACE (OPTIONS)
NTS

NOTES

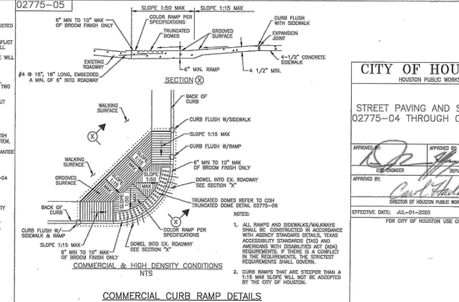
GENERAL NOTES
1. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
2. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.

PAVERS
1. FURNISH DETECTABLE WARNING SURFACE UNITS MEETING ALL REQUIREMENTS OF ASTM C-936, C-33, LAY IN A TWO BY TWO UNIT BASKET WEAVE PATTERN OR AS DIRECTED.
2. CUT PAVERS AS NEEDED TO FIT. CUT DETECTABLE WARNING UNITS CONSISTING OF AT LEAST 25 PERCENT OF A FULL UNIT, CUT DETECTABLE WARNING PAVER UNITS USING A PAVER SAW.

POLYMER CONCRETE
1. DETECTABLE WARNING TILES SHALL BE MADE OF POLYMER CONCRETE MATERIALS.
2. DETECTABLE WARNING TILES SHALL BE INSTALLED INTO FRESH CONCRETE (SAID-IN-PLACE) UTILIZING AN ANCHORING SYSTEM.
3. DETECTABLE WARNING TILES SHALL BE OF TERRACOTTA COLOR THAT CONTRASTS VISUALLY WITH SURROUNDINGS TO GUARANTEE THE ADA REQUIRED COLOR CONTRAST.
4. DETECTABLE WARNING TILES SHALL MEET OR EXCEED THE FOLLOWING ASTM-BASED "DURAMOUS" FOR CONCRETE REQUIREMENTS:
   A. COMPRESSION STRENGTH > 12,500 PSI PER ASTM C 39-04
   B. WATER ABSORPTION < 0.05% PER ASTM C 97-09

PADS
1. FURNISH REQUIREMENTS OF ADAAG (MARCH 2003). CHOICE MATERIALS MAY BE USED IF APPROVED BY NTHE CITY ENGINEER.

02775-05



COMMERCIAL & HIGH DENSITY CONDITIONS
NTS

NOTES:
1. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
2. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STREET PAVING AND SIDEWALK
02775-04 THROUGH 02775-07

APPROVED BY: CITY ENGINEER
APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS
EFFECTIVE DATE: JUL-01-2020
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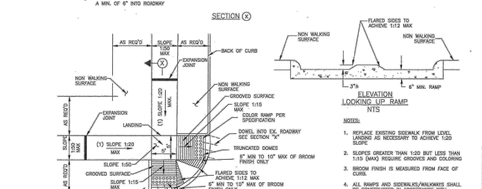
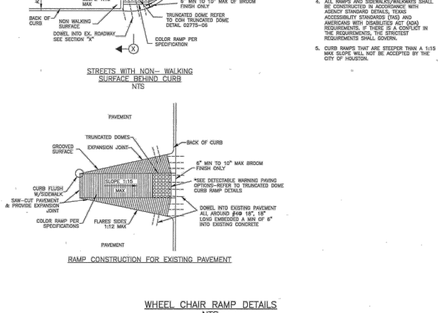
SHEET NO.

02775-02



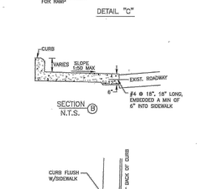


NOTES:
1. REPLACE EXISTING SIDEWALK FROM LEVEL LANDING AS NECESSARY TO ACHIEVE 1:20 SLOPE
2. SLOPES GREATER THAN 1:20 BUT LESS THAN 1:15 (MAX) REQUIRE GROOVES AND COLORING
3. BROOM FINISH IS MEASURED FROM FACE OF CURB
4. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS, TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
5. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.

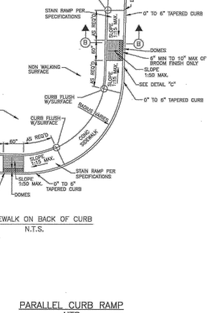
NOTES:
1. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS, TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
2. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.

WHEEL CHAIR RAMP DETAILS
NTS

02775-03



NOTES:
1. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS, TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
2. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.



PARALLEL CURB RAMP
NTS

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STREET PAVING AND SIDEWALK
02775-02 THROUGH 02775-03

APPROVED BY: CITY ENGINEER
APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS
EFFECTIVE DATE: JUL-01-2020
FOR CITY OF HOUSTON USE ONLY
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NO.	DATE	REVISION	APP.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PAVING DETAILS (SHEET 1 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 225 OF 318	

PLOTTED: 12/12/2025 2:57 PM

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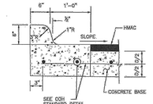
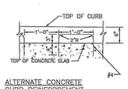
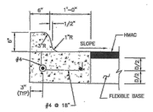
02771-01



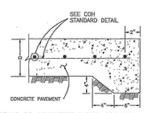
ESPLANADE CURB CONNECTED TO CONCRETE BASE



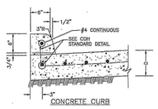
ALTERNATE CONCRETE CURB REINFORCEMENT



ESPLANADE CURB CONNECTED TO FLEXIBLE BASE

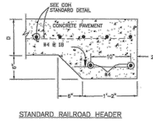


STANDARD CONCRETE PAVING HEADER

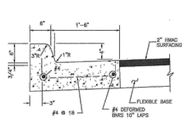


CONCRETE CURB

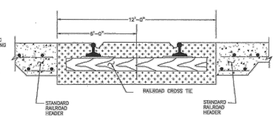
WHEN CONCRETE CURB IS TO BE PLACED EXISTING CONCRETE USE BASE #4 @ 18x10" LONG, DOWELED AND SET IN EPOXY GROUT. SET #4 DOWELS, 25" LONG AT 12" C-C WHEN PAVEMENT SECTION POURED.



STANDARD RAILROAD HEADER



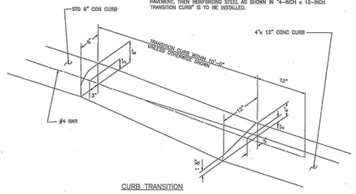
MONOLITHIC CURB AND GUTTER



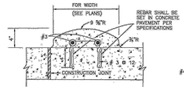
STANDARD RAILROAD CROSSING — SINGLE TRACK

4"x12" MONOLITHIC AND TRANSITION CURB NOTES:

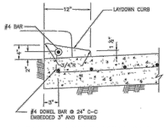
1. 6-INCH CONCRETE CURB TO BE CONSTRUCTED ON ALL ESPLANADES, ISLANDS NON-RESIDENTIAL STREETS, AND RESIDENTIAL STREETS.
2. TRANSITIONS FROM 6- INCH CONCRETE CURB TO 4-INCH x 12-INCH CONCRETE CURB TO BE ACCOMPLISHED WITHIN 10 FEET, UNLESS OTHERWISE SHOWN. 3" CLEAR OF THE TRANSITION CURB SHALL BE FREE OF REINFORCING STEEL IN THE PAVEMENT, THEN REINFORCING STEEL AS SHOWN IN "4-INCH x 12-INCH TRANSITION CURB" IS TO BE INSTALLED.



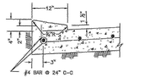
CURB TRANSITION



MOUNTABLE CURB



4-INCH x 12-INCH TRANSITION CURB

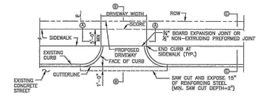


4-INCH x 12-INCH MONOLITHIC CURB

CURB, CURB AND GUTTER AND HEADER DETAILS
NTS

CITY OF HOUSTON	
HOUSTON PUBLIC WORKS	
STREET PAVING AND SIDEWALK 02771-01	
APPROVED BY: CITY ENGINEER	APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS	
EFFECTIVE DATE: JUL-01-2020 FOR CITY OF HOUSTON USE ONLY	
SHEET NO.	

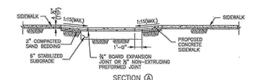
02754-01B



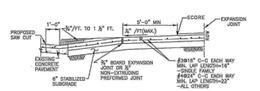
PLAN VIEW — DRIVEWAY
NTS

NOTES

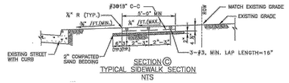
1. ALL JOINTS SHALL CONFORM TO CITY OF HOUSTON EITHER STANDARD SPECIFICATION.
2. DRIVEWAYS SHALL BE MINIMUM 9" THICK FOR SINGLE FAMILY USE AND MINIMUM 7" THICK FOR ALL OTHERS (I.E. COMMERCIAL, INDUSTRIAL, ETC.)
3. DRIVEWAYS AND SIDEWALKS SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE AND INCLUDE 5-1/2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
4. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADVISORY TECHNICAL AID (TAS) AND AMENDMENTS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
5. CURB RAMPS THAT ARE STEEPER THAN A 5:75 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.



SECTION (A)
PROPOSED SIDEWALK THROUGH DRIVEWAY WITH EXCESSIVE ELEVATION DIFFERENCE WITH EXISTING SIDEWALK
NTS



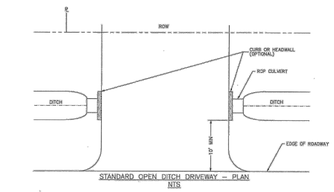
SECTION (B)
TYPICAL DRIVEWAY SECTION
NTS



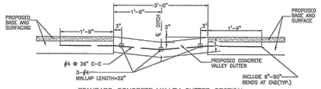
SECTION (C)
TYPICAL SIDEWALK SECTION
NTS

DRIVEWAY DETAIL WITH 6" CURBED STREETS
NTS

02754-02



STANDARD OPEN DITCH DRIVEWAY — PLAN
NTS



STANDARD CONCRETE VALLEY GUTTER SECTION
NTS

NOTES:

1. REINFORCED CONCRETE PIPE (RCP) CULVERTS AND CONCRETE VALLEY GUTTER GRADES SHALL BE SET BY CITY ENGINEER. PROFILE SHOWING THE PROPOSED AND EXISTING DITCH FLOWLINE WILL BE REQUIRED WHERE CONCRETE VALLEY GUTTERS ARE TO BE CONSTRUCTED IN LIEU OF CULVERTS.
2. CULVERT SIZE WILL BE APPROVED BY CITY ENGINEER WITH 24" DIAMETER MINIMUM.
3. SPACING OF TYPE "D" OR "D-1" INLETS SHALL BE DETERMINED BY CITY ENGINEER. SEE DRAWING NO. 02632-07 FOR TYPE "D" OR DRAWING NO. 02632-08 FOR TYPE "D-1".
4. DRIVEWAY MAY BE CONCRETE, ASPHALT OR ANY OTHER MATERIAL WHICH WILL NOT PERMIT RING OR WASHBOARDING EROSION.
5. A 3'-0"OF CONCRETE VALLEY GUTTER SECTION SHALL BE CONSTRUCTED THROUGH THE PROPOSED DRIVEWAY WHERE THE CITY ENGINEER DETERMINES THE INSTALLATION OF DITCH CULVERTS TO BE IMPRACTICAL DUE TO INSUFFICIENT DEPTH. THE VALLEY GUTTER SECTION WILL BE CONSTRUCTED OF 5-1/2 SACK CEMENT PER CUBIC YARD OF CONCRETE.

DRIVEWAYS WITH CULVERTS OR VALLEY GUTTERS ON OPEN DITCH TYPE STREETS
NTS

CITY OF HOUSTON	
HOUSTON PUBLIC WORKS	
STREET PAVING AND SIDEWALK 02754-01B THROUGH 02754-02	
APPROVED BY: CITY ENGINEER	APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS	
EFFECTIVE DATE: JUL-01-2020 FOR CITY OF HOUSTON USE ONLY	
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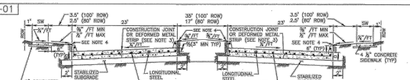
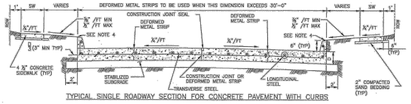
02751-01



TYPICAL DOUBLE ROADWAY SECTION FOR CONCRETE PAVEMENT WITH CURBS NOTES:

1. THE MAXIMUM WIDTH BETWEEN LONGITUDINAL JOINTS SHALL NOT EXCEED 15'-0".
2. ALL EARTHEN AREAS ARE TO BE HYDROMULCHED UNLESS SHOWN OTHERWISE ON DRAWINGS.
3. CONTRACTOR MAY SAW CUT IN LIEU OF DEFORMED METAL STRIP.
4. USE STRIP OF SOD GRASS TO PREVENT EROSION UNTIL STAND OF GRASS IS ESTABLISHED.
5. AN EQUAL OR LARGER AREA OF WELDED REINFORCEMENT BAR CONFORMING TO ASTM A497, MAY BE SUBSTITUTED FOR REBARS LISTED IN TABLE 1.
6. IF AVAILABLE ROW IS NOT SUFFICIENT TO ACCOMMODATE SIDEWALK WIDTH (SW) ACCORDING TO ION REQUIREMENTS, ENGINEER SHALL OBTAIN A VARIANCE FROM THE CITY ENGINEER.



TYPICAL SINGLE ROADWAY SECTION FOR CONCRETE PAVEMENT WITH CURBS

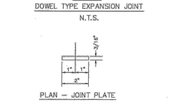
TABLE 1
REINFORCING STEEL BAR SIZES AND SPACINGS FOR VARIOUS PAVEMENT THICKNESSES (D) WITH:
MAXIMUM TRANSVERSE STEEL JOINT SPACING = 20'-0"
MAXIMUM EXPANSION JOINT SPACING = 80'-0"
f'c = 4,000 PSI/28 DAYS AND fY = 60,000 PSI

PAVEMENT THICKNESS (IN)	PAVEMENT WIDTH (FT)	LONGITUDINAL STEEL # 4 BARS			LONGITUDINAL STEEL # 5 BARS			LONGITUDINAL STEEL # 6 BARS			TRANSVERSE STEEL # 4 BARS	TRANSVERSE STEEL # 5 BARS	TRANSVERSE STEEL # 6 BARS
		NUMBER OF BARS	SPACING (IN)	END BAR SPACING (IN)	NUMBER OF BARS	SPACING (IN)	END BAR SPACING (IN)	NUMBER OF BARS	SPACING (IN)	END BAR SPACING (IN)	SPACING (IN)	SPACING (IN)	SPACING (IN)
6	28	17	20.50	4	–	–	–	–	–	–	36	–	–
7	23	17	18.25	4	–	–	–	–	–	–	36	–	–
7	26	21	17.75	3	–	–	–	–	–	–	36	–	–
7	28	25	17.75	3	–	–	–	–	–	–	36	–	–
7	37	25	18.25	3	–	–	–	–	–	–	36	–	–
7	41	28	18.00	3	–	–	–	–	–	–	36	–	–
7	45	31	17.75	3.75	–	–	–	–	–	–	36	–	–
8	33	20	19.50	2.75	13	34.50	3	–	–	–	36	36	–
8	34	27	18.50	2.92	17	25.00	4	–	–	–	36	36	–
8	35	27	18.00	3	18	24.25	4	–	–	–	36	36	–
8	36	28	18.25	3.25	18	25.00	3	–	–	–	30	36	–
8	44	24	18.75	4	22	24.75	4	–	–	–	30	36	–
8	45	25	18.75	3.25	23	24.25	3	–	–	–	30	36	–
8	50	22	14.00	3	14	22.50	4	–	–	–	36	36	–
9	34	31	13.50	3	19	22.25	3.50	–	–	–	30	36	–
9	35	31	13.75	3	20	21.50	3.50	–	–	–	30	36	–
9	36	32	13.75	3	21	21.25	4.00	–	–	–	30	36	–
9	44	39	13.75	3.25	25	21.70	3	–	–	–	24	36	–
9	50	39	14.00	4	26	21.25	4.50	–	–	–	24	36	–
10	25	24	12.75	3.3	17	18.25	4	–	–	–	36	36	36
10	34	33	12.50	4	21	20.00	4	–	–	–	30	36	36
10	35	34	12.50	3.75	23	18.75	4	–	–	–	30	36	36
10	36	35	12.50	3.5	24	18.50	3	–	–	–	30	36	36
10	44	44	12.00	4	29	18.50	4.00	–	–	–	24	36	36
10	45	44	12.50	3	29	19.00	3	–	–	–	24	36	36
11	25	27	11.25	3	17	18.25	4	12	26.75	3	36	36	36
11	34	36	11.50	3.75	24	17.50	3.5	17	25.00	4	24	36	36
11	35	37	11.50	3	24	18.00	3	17	25.25	4	24	36	36
11	43	47	11.50	3.5	30	18.25	3	21	26.00	4	24	36	36
11	44	48	11.125	3.5	30	18.00	3	21	26.50	4	24	36	36
11	49	49	11.125	3	31	17.75	4	22	25.50	3	24	36	36
12	25	–	–	–	19	18.25	4	13	24.50	3	36	36	36
12	34	–	–	–	28	16.00	4	18	23.50	4	24	36	36
12	35	–	–	–	28	16.50	4	19	23.00	3	24	36	36
12	36	–	–	–	27	16.25	4.5	20	22.25	4.5	24	36	36
12	44	–	–	–	33	16.25	4	24	22.50	5	24	30	36
12	45	–	–	–	33	15.75	3	25	22.25	3	24	30	36

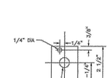
MINIMUM LAP LENGTH (L):
A. # 4 BARS ≥ L = 22 INCHES
B. # 5 BARS ≥ L = 27 INCHES
C. # 6 BARS ≥ L = 32 INCHES

CONCRETE PAVEMENT DETAILS
NTS

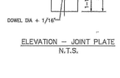
02752-01



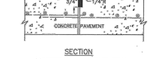
SECTION
DOWEL TYPE EXPANSION JOINT
N.T.S.



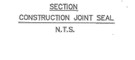
PLAN — JOINT PLATE



ELEVATION — JOINT PLATE
N.T.S.



SECTION
DEFORMED METAL STRIP
N.T.S.



SECTION
CONSTRUCTION JOINT SEAL
N.T.S.

NOTES:

1. STEEL TO MEET ASTM STANDARD SPECIFICATIONS FOR CONCRETE REINFORCING BARS. UNITS TO BE SPACED ON 12" CENTERS.
2. EXPANSION JOINT TO BE PLACED AT THE END OF EACH CURB RADIUS.
3. CENTER DOWEL HORIZONTALLY ON JOINT.
4. CENTER DOWEL VERTICALLY IN CONCRETE BASE. EXTEND THICKNESS CONCRETE AS NEEDED TO MAINTAIN 2" MIN COVER.
5. CITY OF HOUSTON APPROVED PRODUCTS MAY BE USED AS JOINT PLATE ALTERNATIVE.

TABLE 1

PAVEMENT THICKNESS (IN)	DOWEL SIZES AND SPACINGS		
	DIAMETER (IN)	LENGTH (IN)	SPACING (IN)
6	3/4	18	12
7	1	18	12
8	1	18	12
9	1 1/4	18	12
10	1 1/4	18	12
11	1 1/4	18	12
12	1 1/4	18	12

PAVEMENT EXPANSION AND CONSTRUCTION JOINT DETAILS
NTS

CITY OF HOUSTON	
HOUSTON PUBLIC WORKS	
STREET PAVING AND SIDEWALK 02751-01 THROUGH 02752-01	
APPROVED BY: CITY ENGINEER	APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS	
EFFECTIVE DATE: JUL-01-2020 FOR CITY OF HOUSTON USE ONLY	
SHEET NO.	

NO.	DATE	REVISION	APP.

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SURVEYED BY:
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FB NO. P-6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

PAVING DETAILS (SHEET 2 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 226 OF 318	

PLOTTED: 12/12/2025 2:57 PM

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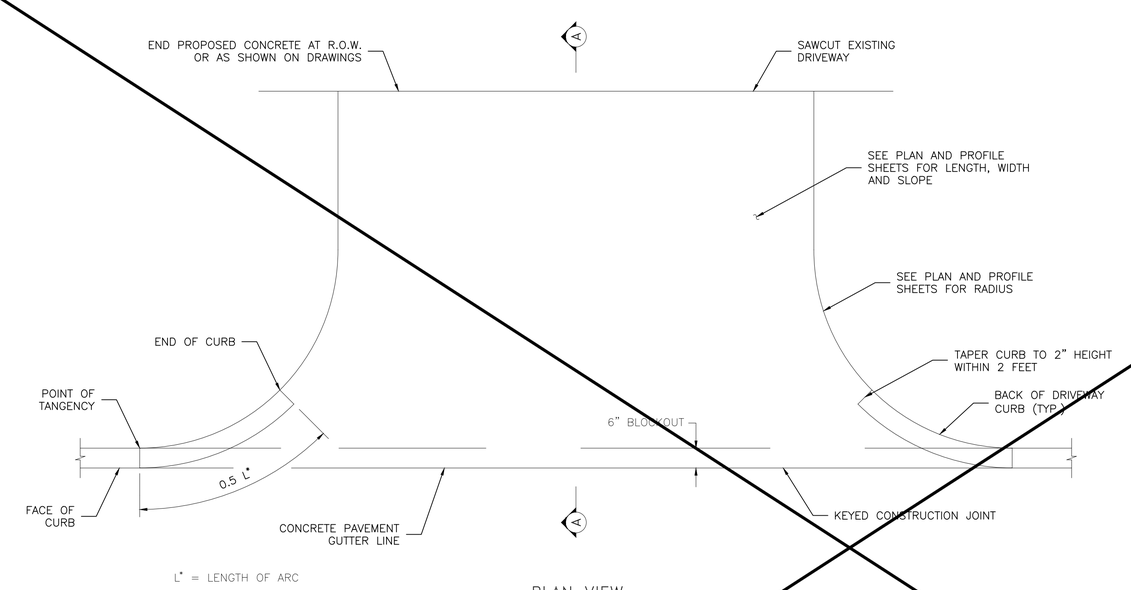
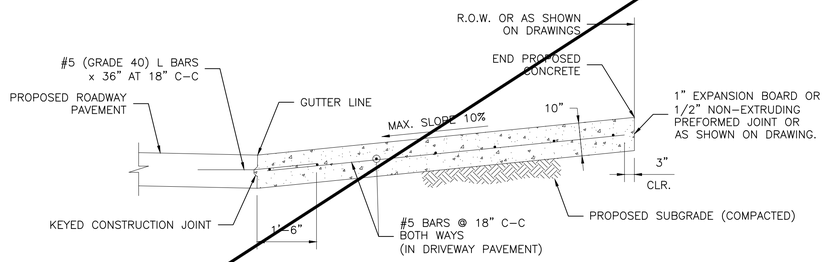
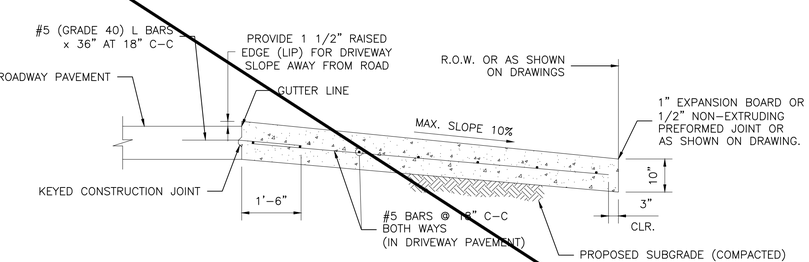


PLAN VIEW



SECTION A-A
(DRIVEWAY SLOPES TO ROADWAY)



SECTION A-A
(DRIVEWAY SLOPES AWAY FROM ROADWAY)

NOTES:

1. SAWCUT EXISTING DRIVEWAY AT R.O.W. LINE OR AS SHOWN ON DRAWING AND REMOVE EXISTING DRIVEWAY TO SAWCUT LINE.
2. IF THERE IS EXISTING CURB ON DRIVEWAY, CONNECT PROPOSED CURB TO EXISTING CURB; OTHERWISE TAPER CURB HEIGHT AS SHOWN.
3. SEE PAVEMENT DETAIL SHEET FOR CONCRETE CURB REINFORCEMENT.
4. THIS DRIVEWAY INSTALLATION IS GOVERNED BY ITEM 360.

NO.	REVISIONS	DATE	NAME
1			
2			
3			
4			
5			

HARRIS COUNTY ENGINEERING DEPARTMENT

FOR INTERIM REVIEW ONLY

DOCUMENT INCOMPLETE: NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

PROJECT TITLE:

SHEET DESCRIPTION: MAJOR ROADWAY CONSTRUCTION

CIVIL STANDARD: MRCD

DRAWN BY: JDZ
CK'D BY: PDG
DRIVEWAY DETAILS
SCALE: 1" = 1'-6"
DATE: 8/15/17
SHEET NO: 7

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

HARRIS COUNTY
DRIVEWAY DETAILS

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 227 OF 318	

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DATE:
FILE:

LANE OR SHLDR

NO TAPERED EDGE REQUIRED

HMAC LAYER

TOTAL THICKNESS 2.5" OR LESS

EXIST. PVMT OR BASE LAYER

SUBGRADE LAYER

*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 1
THIN HMAC SURFACES OR HMAC OVERLAY WITH THICKNESS OF 2.5" OR LESS

TAPERED EDGE
1.75 (T) MAX.

LANE OR SHLDR

HMAC LAYER

(T) TOTAL THICKNESS OF ALL HMAC LAYERS

EXISTING PAVEMENT

** EXISTING ROADSIDE EMBANKMENT TO BE GRADED TO PRODUCE A SMOOTH LEVEL SURFACE FOR PLACEMENT OF TAPERED EDGE. THIS WORK IS SUBSIDIARY TO THE VARIOUS BID ITEMS.

*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 2
OVERLAY OF EXISTING PAVEMENT HMAC THICKNESS 2.5" TO 5"

TAPERED EDGE
1.75 (T) MAX.

LANE OR SHLDR

HMAC LAYER

(T) TOTAL THICKNESS OF ALL HMAC LAYERS

BASE LAYER

SUBGRADE LAYER

*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 3
NEW OR RECONSTRUCTED PAVEMENT HMAC THICKNESS 2.5" TO 5"

TAPERED EDGE
5"
1.75H:1V OR FLATTER

LANE OR SHLDR

HMAC LAYER

TOTAL THICKNESS OF ALL HMAC LAYERS

BASE LAYER

SUBGRADE LAYER

***SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 4
NEW OR RECONSTRUCTED PAVEMENT HMAC THICKNESS 5" OR GREATER

(NOT TO SCALE)

GENERAL NOTES

1. UNLESS OTHERWISE SHOWN IN THE PLANS, A VERTICAL EDGE IS PERMISSIBLE FOR HMAC PLACED GREATER THAN 5" BELOW THE EDGE OF PAVEMENT AND FOR THICKNESS OF HMAC LESS THAN 2.5".
2. FOR FURTHER INFORMATION REGARDING THE ROADSIDE AND PAVEMENT DETAILS, SEE TYPICAL SECTIONS.
3. PAYMENT FOR TAPERED EDGE WILL BE IN ACCORDANCE WITH APPLICABLE ITEMS IN THE CONTRACT.
4. THE SLOPE OF THE TAPERED EDGE SHALL BE 1.75H:1V OR FLATTER.
5. THE TAPERED EDGE SHALL BE PRODUCED BY USE OF A SCREED ATTACHMENT CAPABLE OF PRODUCING A SMOOTH COMPACTED SURFACE. ADDITIONAL COMPACTING EFFORT BEHIND THE SCREED IS NOT REQUIRED.

Texas Department of Transportation | Design Division Standard

TAPERED EDGE DETAILS
HMAC PAVEMENT

TE(HMAC)-11

FILE: tehmac11.dgn	DN: TxDOT	CK: RL	DW: KB	CK:
©TxDOT January 2011	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY		SHEET NO.

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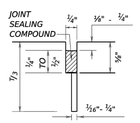
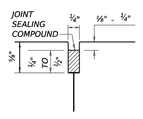
DATE:
FILE:

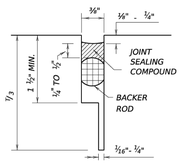
METHOD B: JOINT SEALING COMPOUND



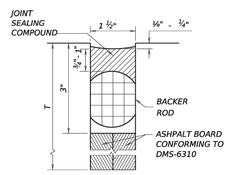
LONGITUDINAL SAWED CONTRACTION JOINT



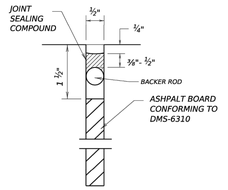
LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT



TRANSVERSE SAWED CONTRACTION JOINT

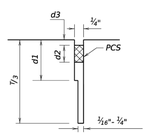


TRANSVERSE FORMED EXPANSION JOINT

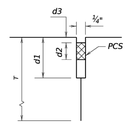


FORMED ISOLATION JOINT

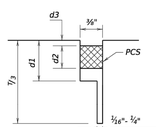
METHOD A: PREFORMED COMPRESSION SEALS (PCS)(DMS-6310 CLASS 6)



LONGITUDINAL SAWED CONTRACTION JOINT



LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT



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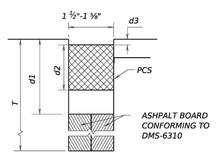

TRANSVERSE FORMED EXPANSION JOINT

GENERAL NOTES

1. *UNLESS OTHERWISE SHOWN IN THE PLANS, EITHER METHOD "A" OR METHOD "B" MAY BE USED.*
2. *THE LOCATION OF JOINTS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.*
3. *THE JOINT RESERVOIR FOR SEALANT OR PCS SHALL BE SAWED UNLESS OTHERWISE SHOWN ON THE PLANS FOR THE LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINTS AND THE SAWED JOINTS.*
4. *DIMENSIONS d1, d2, AND d3 SHOWN IN METHOD A SHALL BE IN ACCORDANCE WITH THE PREFORMED COMPRESSION SEAL MANUFACTURER'S RECOMMENDATION.*
5. *REFER TO DMS-6310 "JOINT SEALANTS AND FILLERS" FOR SEALANT CLASSIFICATIONS.*
6. *FOR ALL METHOD "B" JOINTS, USE JOINT SEALANT CLASS 5 OR 8 UNLESS OTHERWISE SHOWN ON THE PLAN OR APPROVED AT NEW JOINTS.*
7. *USE JOINT SEALANT CLASS 5 OR 8 AT NEW JOINTS. USE JOINT SEALANT CLASS 4,5,7,OR 8 FOR MAINTANING EXISTING JOINTS.*
8. *THE JOINTS SHALL BE CLEANED IN ACCORDANCE WITH THE ITEM 438 "CLEANING AND SEALING JOINTS" OR ITEM 713 "CLEANING AND SEALING JOINTS AND CRACKS (CONCRETE PAVEMENT)".*

Texas Department of Transportation | Design Division Standard

CONCRETE PAVING DETAILS

JOINT SEALS

JS-25

FILE: js25.dgn	DN: TxDOT	CK: AN	DW: AN	CK:
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REVISIONS	DIST	COUNTY		SHEET NO.

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TEXAS REGISTRATION No.107085

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TxDOT STANDARD
PAVEMENT DETAILS
(SHEET 1 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 228 OF 318	

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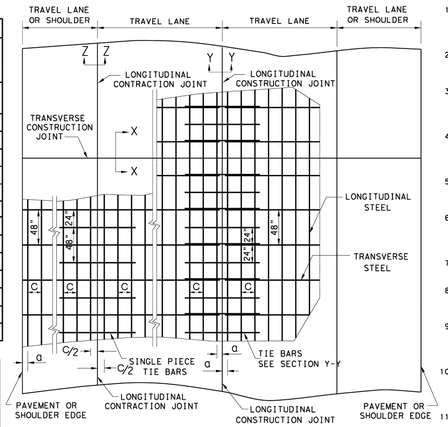
DATE:
FILE:

TABLE NO. 1 LONGITUDINAL STEEL				
SLAB THICKNESS AND BAR SIZE		LONGITUDINAL STEEL BARS	FIRST SPACING AT EDGE OR JOINT	LONG. STEEL VERTICAL POSITION FROM BOTTOM OF PAVEMENT
T (IN.)	BAR SIZE	SPACING C (IN.)	SPACING a (IN.)	T1 (IN.)
7.0	#5	6.5	3 TO 4	3.5
7.5	#5	6.0	3 TO 4	3.75
8.0	#6	9.0	3 TO 4	4.0
8.5	#6	8.5	3 TO 4	4.25
9.0	#6	8.0	3 TO 4	4.5
9.5	#6	7.5	3 TO 4	4.75
10.0	#6	7.0	3 TO 4	5.0
10.5	#6	6.75	3 TO 4	5.5
11.0	#6	6.5	3 TO 4	6.0
11.5	#6	6.25	3 TO 4	6.5
12.0	#6	6.0	3 TO 4	7.0
12.5	#6	5.75	3 TO 4	7.5
13.0	#6	5.5	3 TO 4	8.0

TABLE NO. 2 TRANSVERSE STEEL AND TIE BARS						
SLAB THICKNESS (IN.)	TRANSVERSE STEEL		TIE BARS AT LONGITUDINAL CONTRACTION JOINT (SECTION Z-Z)		TIE BARS AT LONGITUDINAL CONSTRUCTION JOINT (SECTION Y-Y)	
	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)
7.0 - 7.5	#5[X]	48	#5[X]	48	#5[X]	24
8.0 - 13.0	#5[X]	48	#6	48	#6	24

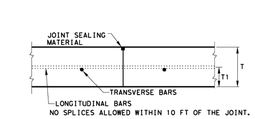
[X] CONTRACTOR MAY USE #6 REINFORCING STEEL INSTEAD OF #5 REINFORCING STEEL OR COMBINATION OF EACH SIZE



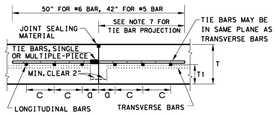
TYPICAL PAVEMENT LAYOUT
PLAN VIEW (NOT TO SCALE)

GENERAL NOTES

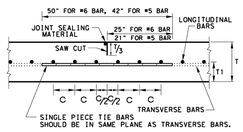
1. DETAILS FOR PAVEMENT WIDTH, PAVEMENT THICKNESS AND THE CROWN CROSS-SLOPE SHALL BE SHOWN ELSEWHERE IN THE PLANS. FOR PAVEMENTS WIDER THAN 100 FT, WITHOUT A FREE LONGITUDINAL JOINT, ADDITIONAL DETAIL MAY BE SHOWN ELSEWHERE IN THE PLANS.
2. USE COARSE AGGREGATES WITH A RATED COEFFICIENT OF THERMAL EXPANSION (CTE) OF NOT MORE THAN 5.5 X 10^{-6} IN/IN/ °F AS LISTED IN THE CONCRETE RATED SOURCE QUALITY CATALOG (CRSQC).
3. ALL THE REINFORCING STEEL AND TIE BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO ASTM A 615 (GRADE 60) OR ASTM A 996 (GRADE 60) OR ABOVE. STEEL BAR SIZES AND SPACINGS SHALL CONFORM TO TABLE NO.1 AND TABLE NO.2.
4. STEEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1 IN. HORIZONTALLY AND +/- 0.5 IN. VERTICALLY. CALCULATED AVERAGE BAR SPACING (CONCRETE PLACEMENT WIDTH / NUMBER OF LONGITUDINAL BARS) SHALL CONFORM TO TABLE NO.1.
5. ADJUST REINFORCING STEEL VERTICALLY USING SHIMS OR OTHER METHODS, AS APPROVED, TO MEET VERTICAL TOLERANCES PRIOR TO CONCRETE PLACEMENT.
6. PAVEMENT WIDTHS OF MORE THAN 15 FT. SHALL HAVE A LONGITUDINAL JOINT (SECTION Z-Z OR SECTION Y-Y). THESE JOINTS SHALL BE LOCATED WITHIN 6 IN. OF THE LANE LINE UNLESS THE JOINT LOCATION IS SHOWN ELSEWHERE ON THE PLANS.
7. THE MINIMUM PROJECTION OF TIE BARS INTO THE ADJACENT PLACEMENT IS 22.5 IN. for #6 BARS AND 18.5 IN. FOR #5 BARS.
8. SEE STANDARD SHEET "CONCRETE CURB AND CURB AND GUTTER," FOR DETAILS WHEN TYING CONCRETE CURB OR CURB GUTTER AT A LONGITUDINAL JOINT.
9. REPLACE MISSING OR DAMAGED TIE BARS WITHOUT ADDITIONAL COMPENSATION BY DRILLING MIN.10 IN. DEEP AND GROUTING TIE BARS WITH TYPE III, CLASS C EPOXY. MEET THE PULL-OUT TEST REQUIREMENTS IN ITEM 361.
10. OMIT TIE BARS LOCATED WITHIN 18-IN. OF THE TRANSVERSE CONSTRUCTION JOINTS (SECTION X-X). USE HAND-OPERATED IMMERSION VIBRATORS TO CONSOLIDATE THE CONCRETE ADJACENT TO ALL FORMED JOINTS.
11. THE DETAIL FOR THE JOINT SEALANT AND RESERVOIR IS SHOWN ON STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."
12. LONGITUDINAL REINFORCING STEEL SPLICES SHALL BE A MINIMUM OF 25-IN.



TRANSVERSE CONSTRUCTION JOINT
SECTION X - X



LONGITUDINAL CONSTRUCTION JOINT
SECTION Y - Y



LONGITUDINAL CONTRACTION JOINT
SECTION Z - Z

SHEET 1 OF 2

Texas Department of Transportation | Design Division Standard

CONTINUOUSLY REINFORCED CONCRETE PAVEMENT

ONE LAYER STEEL BAR PLACEMENT
T - 7 to 13 INCHES

CRCP(1)-24

FILE: crcp124.dgn	DW: CES	CK: KM	DW: CES	CK: AN
©TxDOT Sept 2024	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY		SHEET NO.

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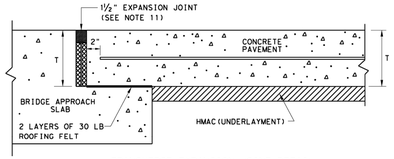
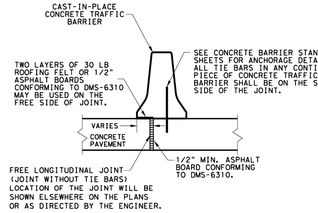
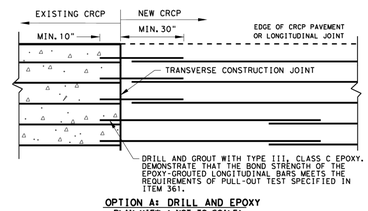


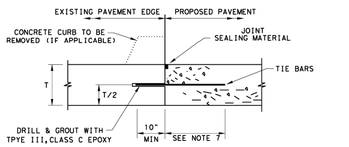
TRANSVERSE EXPANSION JOINT DETAIL
AT BRIDGE APPROACH



CENTERLINE FREE LONGITUDINAL JOINT DETAIL

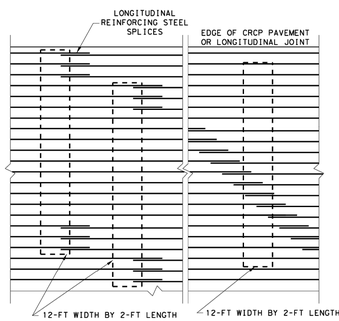


OPTION A: DRILL AND EPOXY
PLAN VIEW (NOT TO SCALE)



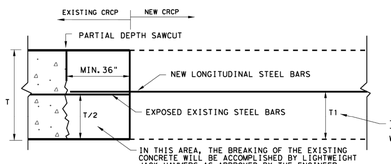
1. BEFORE CONCRETE PLACEMENT, PERFORM PULL-OUT TESTS ON EPOXY-GROUTED TIE BARS IN ACCORDANCE WITH ITEM 360.
2. SPACE TIE BARS AT 24" SPACING, USE #6 TIE BARS FOR 8" AND THICKER PAVEMENTS, USE #5 TIE BARS FOR LESS THAN 8" THICK PAVEMENTS.

LONGITUDINAL WIDENING JOINT DETAIL



STAGGER THE LAP LOCATIONS SO THAT NO MORE THAN 1/3 OF THE LONGITUDINAL STEEL IS SPLICED IN ANY GIVEN 12-FT. WIDTH AND 2-FT. LENGTH OF THE PAVEMENT. ANY OTHER LAP CONFIGURATION MEETING THIS REQUIREMENT WILL BE ALLOWED.

EXAMPLES OF LAP CONFIGURATION
PLAN VIEW (NOT TO SCALE)



OPTION B: BREAKBACK AND LAP

TRANSVERSE TIE JOINT DETAIL
NEW CRCP TO EXISTING CRCP

SHEET 2 OF 2

Texas Department of Transportation | Design Division Standard

CONTINUOUSLY REINFORCED CONCRETE PAVEMENT

ONE LAYER STEEL BAR PLACEMENT
T - 7 to 13 INCHES

CRCP(1)-24

FILE: crcp124.dgn	DW: TxDOT	CK: KM	DW: CES	CK: AN
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TEXAS REGISTRATION No.107085

SURVEYED BY:
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FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TxDOT STANDARD PAVEMENT DETAILS (SHEET 2 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 229 OF 318	

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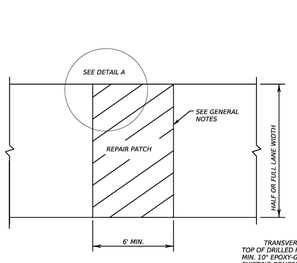
NO.	DATE	REVISION	APP.

TABLE NO.1 CRCP STEEL BAR SIZE AND SPACING					
SLAB THICKNESS AND BAR SIZE		LONGITUDINAL*		TRANSVERSE*	
		REGULAR BARS	TIEBARS	BARS	TIEBARS
T (IN.)	BAR SIZE	SPACING (IN.)	SPACING (IN.)	SPACING (IN.)	SPACING (IN.)
6.0	#5	7.5	7.5	24	24
6.5		7.0	7.0		
7.0		6.5	6.5		
7.5		6.0	6.0		
8.0	#6	9.0	9.0	24	24
8.5		8.5	8.5		
9.0		8.0	8.0		
9.5		7.5	7.5		
10.0		7.0	7.0		
10.5		6.75	6.75		
11.0		6.5	6.5		
11.5		6.25	6.25		
>12.0		6.0	6.0		

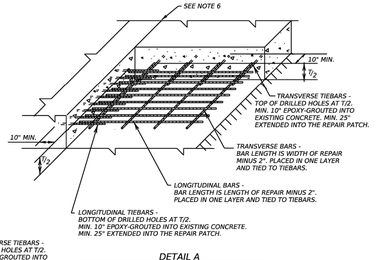
* USE 12" SPACING AS FIRST AND LAST SPACING AT END OR SIDE FOR ALL BARS.

GENERAL NOTES

1. ITEM 361,"REPAIR OF CONCRETE PAVEMENT"SHALL GOVERN FOR THIS WORK.
2. MULTIPLE PIECE TIEBARS SHALL BE USED WHEN THE REPAIR AREA MUST BE PLACED IN TWO STAGES DUE TO SEQUENCE OF CONSTRUCTION.
3. FULL DEPTH SAW CUTS SHALL BE MADE AROUND THE PERIMETER OF THE AREA TO BE REPAIRED. THE CUT SHALL BE MADE AT A RIGHT ANGLE TO THE PAVEMENT EDGE AND TO THE CENTER LINE OF THE PAVEMENT.
4. AT LEAST ONE LONGITUDINAL FULL DEPTH SAW CUT SHALL BE AT AN EXISTING LONGITUDINAL JOINT.
5. ADDITIONAL SAW CUTS MAY BE REQUIRED WITHIN THE AREA OF THE REPAIR TO FACILITATE REMOVAL OF THE CONCRETE OR TO ALLEVIATE BINDING OF THE FULL DEPTH SAW CUT AT THE REPAIR EDGE.
6. THE SAW CUTS WHICH EXTEND OUTSIDE THE AREA OF THE REPAIR WILL BE CLEANED AND FILLED WITH A CEMENTITIOUS GROUT APPROVED BY THE ENGINEER.
7. EXISTING LONGITUDINAL AND TRANSVERSE JOINTS REMOVED DUE TO REPAIR OPERATION, AND NEW CONSTRUCTION JOINTS SHOULD BE RESTORED IN ACCORDANCE WITH STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."
8. FOR CRCP SECTIONS GREATER THAN 10" THICK, LOCATE TIE BARS 5" FROM TOP OF PAVEMENT SURFACE.
9. PROVIDE REINFORCEMENT SUPPORT CHAIRS AS NECESSARY TO MAINTAIN REINFORCEMENT IN THE PROPER LOCATION.



PLAN VIEW



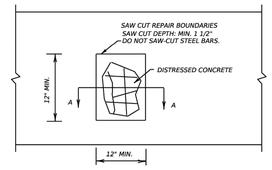
TRANSVERSE TIEBARS - TOP OF DRILLED HOLES AT T/2, MIN. 10" EPOXY-GROUTED INTO EXISTING CONCRETE. MIN. 25" EXTENDED INTO THE REPAIR PATCH.

DETAIL A
GROUTED TIEBARS & REINFORCEMENT

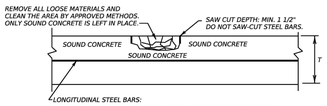
FULL-DEPTH REPAIR OF CRCP

GENERAL NOTES

1. ITEM 720, "REPAIR OF SPALLING CONCRETE PAVEMENT" SHALL GOVERN FOR THIS WORK.
2. THE SAW CUTS WHICH EXTEND OUTSIDE THE AREA OF THE REPAIR WILL BE CLEANED AND FILLED WITH A CEMENTITIOUS GROUT APPROVED BY THE ENGINEER.
3. EXISTING LONGITUDINAL AND TRANSVERSE JOINTS REMOVED DUE TO REPAIR OPERATION SHOULD BE RESTORED IN ACCORDANCE WITH STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."



PLAN VIEW



*REPAIR AREAS MAY BE ADJUSTED AFTER REMOVING DISTRESSED CONCRETE. SWITCH THE HALF-DEPTH REPAIR TO FULL-DEPTH REPAIR IF EXPOSED EXISTING LONGITUDINAL BARS ARE DEFICIENT, AS APPROVED. COMPENSATION WILL BE MADE FOR UNEXPECTED VOLUMES OF REPAIR AREAS OR CHANGES IN SCOPE OF WORK.

*INCREASE THE REPAIR AREA AND PERFORM A FULL-DEPTH REPAIR AS DIRECTED IF LONGITUDINAL STEEL BARS WERE DAMAGED BY THE REMOVAL OPERATIONS. NO ADDITIONAL COMPENSATION WILL BE MADE.

SECTION A-A

HALF-DEPTH REPAIR

SHEET 1 OF 2

Texas Department of Transportation | Design Division Standard

REPAIR OF CONCRETE PAVEMENT

REPCP-25

FILE: repcp25.dgn	DN: TxDOT	CK: AN	DW: AN	CK:
©TxDOT: OCTOBER 2025	CONT	SECT	JOB	HIGHWAY
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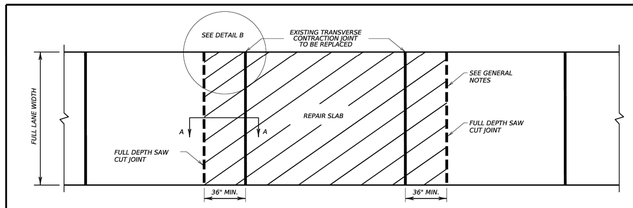
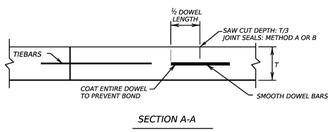
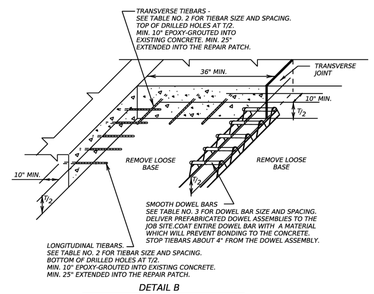


FULL CPCD SLAB REPLACEMENT

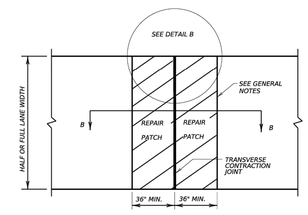
PLAN VIEW



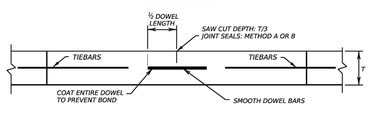
SECTION A-A



DETAIL B
GROUTED TIEBARS & DOWELS



PLAN VIEW



SECTION B-B

REPAIR OF CPCD TRANSVERSE JOINT

GENERAL NOTES

1. ITEM 361, "REPAIR OF CONCRETE PAVEMENT" SHALL GOVERN FOR THIS WORK.
2. MULTIPLE PIECE TIEBARS SHALL BE USED WHEN THE REPAIR AREA MUST BE PLACED IN TWO STAGES DUE TO SEQUENCE OF CONSTRUCTION.
3. FULL DEPTH SAW CUTS SHALL BE MADE AROUND THE PERIMETER OF THE AREA TO BE REPAIRED. THE CUT SHALL BE MADE AT A RIGHT ANGLE TO THE PAVEMENT EDGE AND TO THE CENTER LINE OF THE PAVEMENT.
4. AT LEAST ONE LONGITUDINAL FULL DEPTH SAW CUT SHALL BE AT AN EXISTING LONGITUDINAL JOINT.
5. ADDITIONAL SAW CUTS MAY BE REQUIRED WITHIN THE AREA OF THE REPAIR TO FACILITATE REMOVAL OF THE CONCRETE OR TO ALLEVIATE BINDING OF THE FULL DEPTH SAW CUT AT THE REPAIR EDGE.
6. THE SAW CUTS WHICH EXTEND OUTSIDE THE AREA OF THE REPAIR WILL BE CLEANED AND FILLED WITH A CEMENTITIOUS GROUT APPROVED BY THE ENGINEER.
7. EXISTING LONGITUDINAL AND TRANSVERSE JOINTS REMOVED DUE TO REPAIR OPERATION, AND NEW CONSTRUCTION JOINTS SHOULD BE RESTORED IN ACCORDANCE WITH STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."
8. DOWEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1/4 IN. HORIZONTALLY AND VERTICALLY UNLESS OTHERWISE SPECIFIED. WHERE DOWEL BAR BASKETS ARE USED, REMOVE THE SHIPPING WIRES.

TABLE NO. 2 CPCD TIEBAR SIZE AND SPACING			
PAVEMENT THICKNESS (IN.)	BAR SIZE	LONG. SPACING (IN.)	TRANS. SPACING (IN.)
<8	#5	12.0	24.0
≥8	#6		

TABLE NO. 3 DOWELS (SMOOTH BARS)			
PAVEMENT THICKNESS (IN.)	DIAMETER	LENGTH (IN.)	SPACING (IN.)
<10	1 IN.	18.0	12.0
≥10	1 ¼ IN.		

SHEET 2 OF 2

Texas Department of Transportation | Design Division Standard

REPAIR OF CONCRETE PAVEMENT

REPCP-25

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TxDOT STANDARD PAVEMENT DETAILS (SHEET 3 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 230 OF 318	

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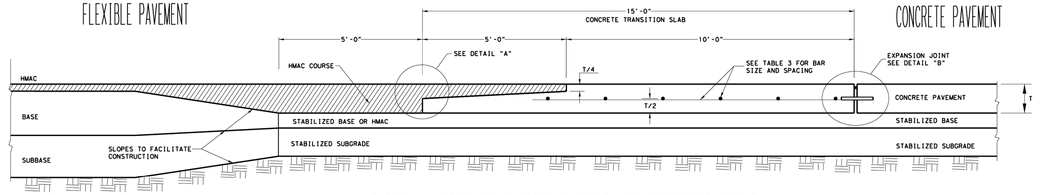
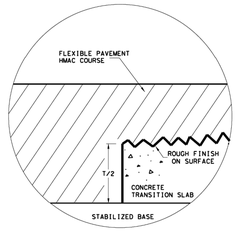
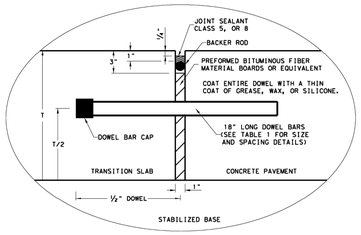


TYPICAL JUNCTION OF CONCRETE PAVEMENT WITH FLEXIBLE PAVEMENT
(NOT TO SCALE)



DETAIL "A"



DETAIL "B"

GENERAL NOTES

1. FOR FURTHER INFORMATION REGARDING THE PLACEMENT OF CONCRETE AND LOAD TRANSFER DEVICES REFER TO THE GOVERNING SPECIFICATIONS FOR "CONCRETE PAVEMENT" AND "REINFORCING STEEL."
2. DETAILS FOR PAVEMENT WIDTH AND THE CROWN CROSS-SLOPE SHALL BE SHOWN ELSEWHERE IN THE PLANS.
3. MATCH THE LONGITUDINAL JOINTS OF THE CONCRETE TRANSITION SLAB WITH ADJOINING CONCRETE PAVEMENT. PROVIDE EQUIVALENT TIEBARS OR TRANSVERSE BARS AT THESE LONGITUDINAL JOINTS, SEE TABLE NO. 2.
4. REFER TO DMS-6310, "JOINT SEALANTS AND FILLERS" FOR THE CLASSIFICATIONS.
5. TRANSITION SLABS WILL BE PAID UNDER ITEM 360, "CONCRETE PAVEMENTS."

TABLE NO.1 DOWELS (SMOOTH BARS)

SLAB THICKNESS T (IN.)	BAR DIA. AND LENGTH	SPACING (IN.)
7 TO 7.5	1" X 18"	12
8 TO 10	1 ¼" X 18"	12
10 TO 13	1 ½" X 18"	12

TABLE NO.2 TIE BARS (DEFORMED BARS)

SLAB THICKNESS T (IN.)	BAR SIZE	SPACING (IN.)
7 TO 7.5	#5	24
8 TO 13	#6	24

TABLE NO.3 TRANSITION SLAB STEEL (DEFORMED BARS)

SLAB THICKNESS T (IN.)	BAR SIZE	SPACING (IN.) TRANSVERSE DIRECTION	SPACING (IN.) LONGITUDINAL DIRECTION
7 TO 7.5	#5	24	12
8 TO 13	#6	24	12

ADJUST SPACING OF LONGITUDINAL BARS AS NEEDED TO ACCOMDATE DOWEL BAR SPACING.

Texas Department of Transportation — Design Division Standard

CONCRETE PAVEMENT DETAILS
TRANSITION SLAB
T-7 to 13 INCHES

TRANS-20

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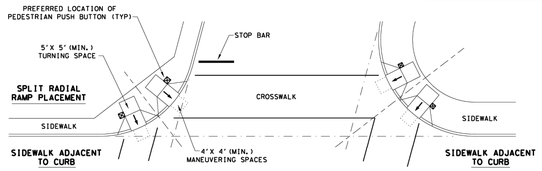
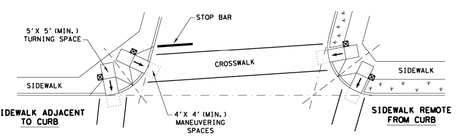
DATE:
FILE:

TYPICAL CROSSING LAYOUTS
SEE SHEET 1 OF 4 FOR DETAILS AND DIMENSIONS



SKEWED INTERSECTION WITH "LARGE" RADIUS



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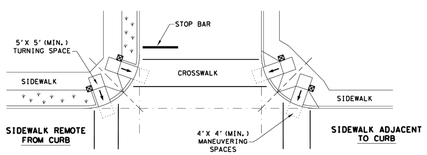
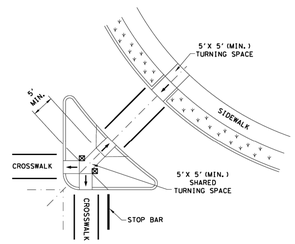
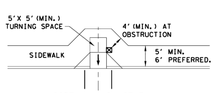


NORMAL INTERSECTION WITH "SMALL" RADIUS



AT INTERSECTION
W/FREE RIGHT TURN & ISLAND



MID-BLOCK PLACEMENT
PERPENDICULAR RAMPS

SHEET 4 OF 4

LEGEND:

SHOWS DOWNWARD SLOPE. →

DENOTES PREFERRED LOCATION OF PEDESTRIAN PUSH BUTTON (IF APPLICABLE). ⊠

DENOTES PLANTING OR NON-WALKING SURFACE NOT PART OF PEDESTRIAN CIRCULATION PATH.

Texas Department of Transportation — Design Division Standard

PEDESTRIAN FACILITIES
CURB RAMPS

PED-18

FILE: ped18	DW: TxDOT	DW: VP	CK: KM	CK: PK & JC
©TxDOT: MARCH, 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				
08/13/03: 08, 20(b)				
08/13/03: 09, 20(c)				
08/13/03: 21, 20(f)	DIST	COUNTY		SHEET NO.

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TxDOT STANDARD
PAVEMENT DETAILS
(SHEET 4 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 231 OF 318	

PLOTTED: 12/12/2025 2:57 PM

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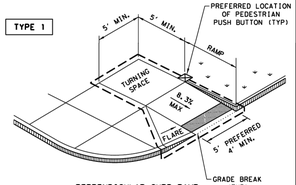
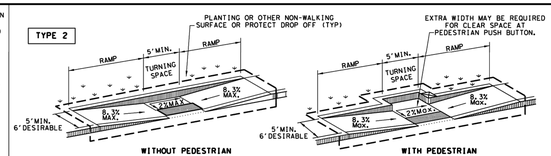
DATE:
FILE:

TYPE 1



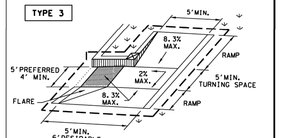
PERPENDICULAR CURB RAMP

TYPE 2



PARALLEL CURB RAMP

TYPE 3



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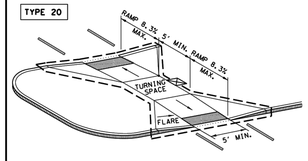
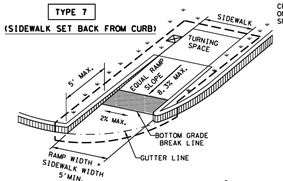
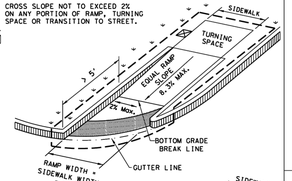


CURB RAMPS AT MEDIAN ISLANDS

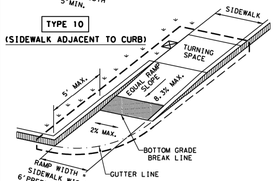
TYPE 7
(SIDEWALK SET BACK FROM CURB)



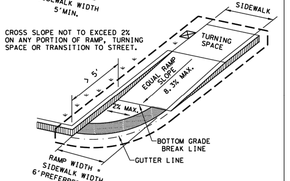
CROSS SLOPE NOT TO EXCEED 2% ON ANY PORTION OF RAMP, TURNING SPACE OR TRANSITION TO STREET.



TYPE 10
(SIDEWALK ADJACENT TO CURB)

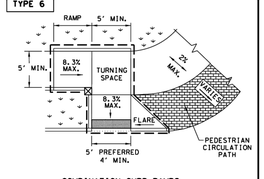


CROSS SLOPE NOT TO EXCEED 2% ON ANY PORTION OF RAMP, TURNING SPACE OR TRANSITION TO STREET.



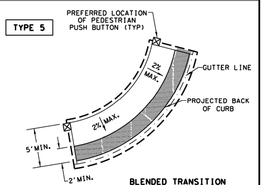
DIRECTIONAL RAMPS WITHIN RADIUS

TYPE 6



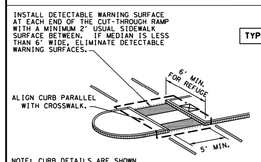
COMBINATION CURB RAMPS

TYPE 5



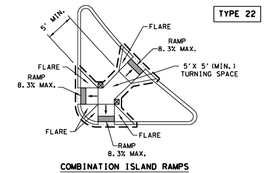
BLENDED TRANSITION
(FLUSH LANDING)

TYPE 21

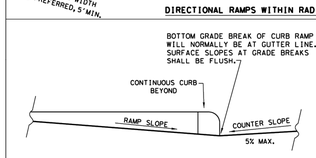


NOTE: CURB DETAILS ARE SHOWN ELSEWHERE IN THE PLANS.

TYPE 22



COMBINATION ISLAND RAMPS



TYPICAL SECTION OF PERPENDICULAR CURB RAMP AT CONNECTION TO ROADWAY

NOTES / LEGEND:

SEE GENERAL NOTES ON SHEET 2 OF 4 FOR MORE INFORMATION.

DENOTES PLANTING OR NON-WALKING SURFACE NOT PART OF PEDESTRIAN CIRCULATION PATH.

DETECTABLE WARNING SURFACE

DENOTES PREFERRED LOCATION OF PEDESTRIAN PUSH BUTTON IF APPLICABLE.

GUTTER LINE

GRADE BREAK

RAMP LIMITS OF PAYMENT

SHEET 1 OF 4

Texas Department of Transportation — Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

PED-18

FILE: ped18	DN: TxDOT	CK: VP	CK: KM	CK: PK & JG
© TxDOT: MARCH, 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				
REVISED JUL-2013	DIST	COUNTY		SHEET NO.
REVISED JAN-2012				
REVISED SEP-2014				

DATE:
FILE:

GENERAL NOTES

CURB RAMPS

1. Install a curb ramp or blended transition at each pedestrian street crossing.
2. All slopes shown are maximum allowable. Cross slopes of 1.5% and lesser running should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
3. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
4. The minimum sidewalk width is 5'. Where the sidewalk is adjacent to the back of curb, a 6' sidewalk width is desirable. Where a 5' sidewalk cannot be provided due to site constraints, sidewalk width may be reduced to 4' for short distances. 5' x 5' passing areas at intervals not to exceed 200' are required.
5. Turning Spaces shall be 5'x 5' minimum. Cross slope shall be maximum 2%.
6. Clear space at the bottom of curb ramps shall be a minimum of 4'x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
7. Provide flared sides where the pedestrian circulation path crosses the curb ramp. Flared sides shall be sloped at 10% maximum, measured parallel to the curb. Returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planted, substantially obstructed, or otherwise protected.
8. Additional information on curb ramp location, design, light reflective value and texture may be found in the latest draft of the Proposed Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG) as published by the U.S. Architectural and Transportation Barriers Compliance Board (Access Board).
9. To serve as a pedestrian refuge area, the median should be a minimum of 6' wide, measured from back of curbs. Medians should be designed to provide accessible passage over or through them.
10. Small channelization islands, which do not provide a minimum 5' x 5' landing at the top of curb ramps, shall be cut through level with the surface of the street.
11. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall align with theoretical crosswalks unless otherwise directed.
12. Provide curb ramps to connect the pedestrian access route at each pedestrian street crossing. Handrails are not required on curb ramps.
13. Curb ramps and landings shall be constructed and paid for in accordance with Item 531 "Sidewalks".
14. Place concrete at a minimum depth of 5" for ramps, flares and landings, unless otherwise directed.
15. Furnish and install No. 3 reinforcing steel bars at 18" o.c. both ways, unless otherwise directed.
16. Provide a smooth transition where the curb ramps connect to the street.
17. Curbs shown on sheet 1 within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.
18. Existing features that comply with applicable standards may remain in place unless otherwise shown on the plans.

DETECTABLE WARNING MATERIAL

19. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with PROWAG. The surface must contrast visually with adjoining surfaces, including side flares. Furnish and install an approved cast-in-place dark brown or dark red detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
20. Detectable Warning Materials must meet TxDOT Departmental Materials Specification DMS 4350 and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
21. Detectable warning surfaces must be firm, stable and slip resistant.
22. Detectable warning surfaces shall be a minimum of 24 inches in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
23. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb and neither end of that edge is greater than 5 feet from the back of curb. Detectable warning surfaces may be curved along the corner radius.
24. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.

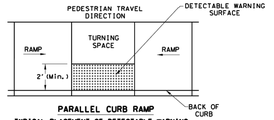
DETECTABLE WARNING PAVERS (IF USED)

25. Furnish detectable warning paver units meeting all requirements of ASTM C-936, C-33. Lay in a two by two unit basket weave pattern or as directed.
26. Lay full-size units first followed by closure units consisting of at least 25 percent (25%) of a full unit. Cut detectable warning paver units using a power saw.

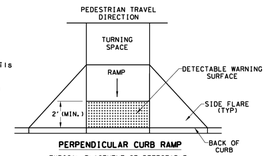
SIDEWALKS

27. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within unobstructed reach range specified in PROWAG section R406.
28. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
29. Street grades and cross slopes shall be as shown elsewhere in the plans.
30. Changes in level greater than 1/4 inch are not permitted.
31. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than five percent (5%) must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with PROWAG R409.
32. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.
33. Driveways and turnouts shall be constructed and paid for in accordance with Item "Intersections, Driveways and Turnouts". Sidewalks shall be constructed and paid for in accordance with Item, "Sidewalks".
34. Sidewalk details are shown elsewhere in the plans.

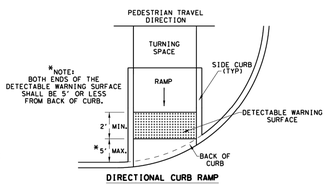
DETECTABLE WARNING SURFACE DETAILS



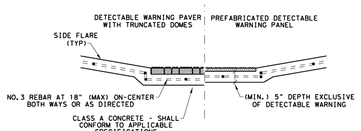
PARALLEL CURB RAMP
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON LANDING AT STREET EDGE.



PERPENDICULAR CURB RAMP
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.



DIRECTIONAL CURB RAMP
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.



SECTION VIEW DETAIL
CURB RAMP AT DETECTIBLE WARNINGS

SHEET 2 OF 4

Texas Department of Transportation — Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

PED-18

FILE: ped18	DN: TxDOT	CK: VP	CK: KM	CK: PK & JG
© TxDOT: MARCH, 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				
REVISED JUL-2013	DIST	COUNTY		SHEET NO.
REVISED JAN-2012				
REVISED SEP-2014				

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TxDOT STANDARD PAVEMENT DETAILS (SHEET 5 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 232 OF 318	

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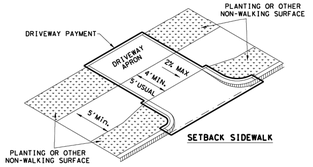
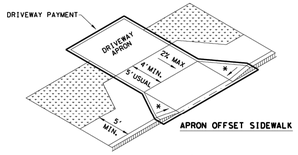
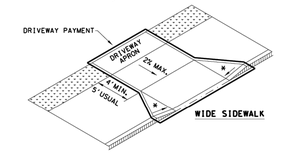
SIDEWALK TREATMENT AT DRIVEWAYS



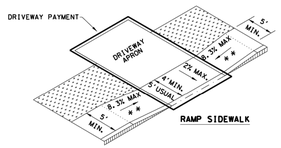
SETBACK SIDEWALK



APRON OFFSET SIDEWALK



WIDE SIDEWALK

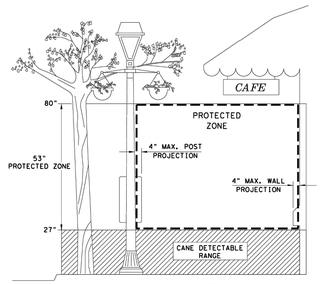


RAMP SIDEWALK

NOTES:

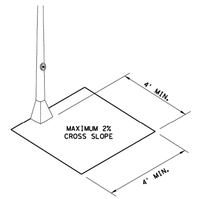
* WHERE DRIVEWAYS CROSS THE PEDESTRIAN ROUTE, SIDES SHALL BE FLARED AT 10% MAX SLOPE.

** IF CURB HEIGHT IS GREATER THAN 6 INCHES, USE GRADE LESS THAN OR EQUAL TO 5%. HANDRAIL AND DETECTABLE WARNING ARE NOT REQUIRED.

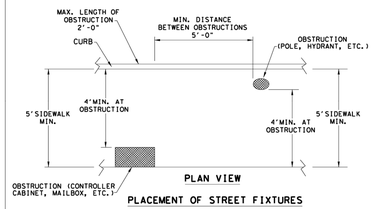


PROTECTED ZONE

NOTE: IN PEDESTRIAN CIRCULATION AREA, MAXIMUM 4" PROJECTION FOR POST OR WALL MOUNTED OBJECTS BETWEEN 27" AND 80" ABOVE THE SURFACE.



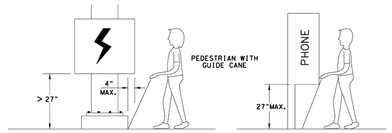
CLEAR SPACE ADJACENT TO PEDESTRIAN PUSH BUTTON



PLAN VIEW

PLACEMENT OF STREET FIXTURES

NOTE: ITEMS NOT INTENDED FOR PUBLIC USE. MINIMUM 4' X 4' CLEAR GROUND SPACE REQUIRED AT PUBLIC USE FIXTURES.



WHEN AN OBSTRUCTION OF A HEIGHT GREATER THAN 27" FROM THE SURFACE WOULD CREATE A PROTRUSION OF MORE THAN 4" INTO THE PEDESTRIAN CIRCULATION AREA, CONSTRUCT ADDITIONAL CURB OR FOUNDATION AT THE BOTTOM TO PROVIDE A MAXIMUM 4" OVERHANG.

PROTRUDING OBJECTS OF A HEIGHT ≤27" ARE DETECTABLE BY CANE AND DO NOT REQUIRE ADDITIONAL TREATMENT.

DETECTION BARRIER FOR VERTICAL CLEARANCE < 80"

DISCLAIMER:
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DATE:
FILE:

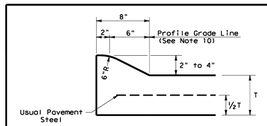
SHEET 3 OF 4

Texas Department of Transportation | Design Division Standard

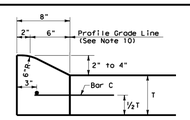
PEDESTRIAN FACILITIES CURB RAMPS

PED-18

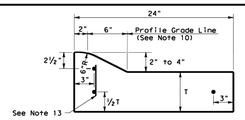
FILE: ped18	DW: TxDOT	CK: VP	CK: KM	CK: PK & JG
©TxDOT MARCH, 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				
REVISED 08.2005				
REVISED 08.2012	DIST	COUNTY		SHEET NO.
REVISED 07.2018				



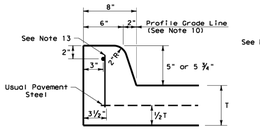
TYPE I CURB (MONOLITHIC)
2" - 4" HEIGHT



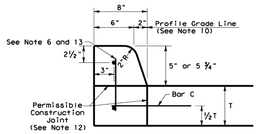
TYPE I CURB
2" - 4" HEIGHT



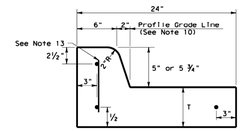
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



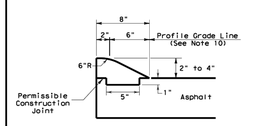
TYPE II CURB (MONOLITHIC)
5" - 5 ¾" HEIGHT



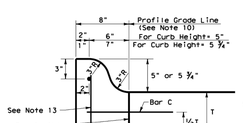
TYPE II CURB
5" - 5 ¾" HEIGHT



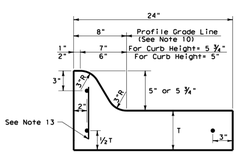
TYPE II CURB AND GUTTER
5" - 5 ¾" HEIGHT



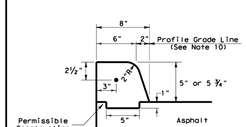
TYPE III CURB (KEYED)
2" - 4" HEIGHT



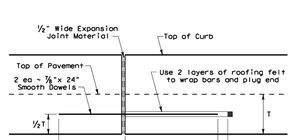
TYPE IIa CURB
5" - 5 ¾" HEIGHT



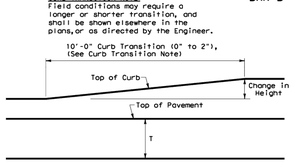
TYPE IIa CURB AND GUTTER
5" - 5 ¾" HEIGHT



TYPE IV CURB (KEYED)
5" - 5 ¾" HEIGHT



EXPANSION JOINT DETAIL



CURB TRANSITION
Note: To be paid for as Highest Curb

CURB TRANSITION NOTE:
Field conditions may require a longer or shorter transition, and shall be shown elsewhere in the plans, or as directed by the Engineer.

BAR B

BAR C

GENERAL NOTES

1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No.4 unless otherwise shown. The use of fiber reinforced concrete in lieu of reinforcing steel is acceptable. Use fibers meeting the requirements of DMS 4550, "Fibers for Concrete," and dose fibers in accordance with Material Producers List (MPL) "Fibers for Class A and B Concrete Applications."
4. Round exposed sharp edges with a rounding tool, to a minimum radius of ¼ inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is to be placed on existing concrete pavement, Bar B may be drilled and grouted in place, or may be inserted into fresh concrete.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C-C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.
12. When horizontal permissible construction joints are used, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans. Reinforcing steel for curb section shall then conform to that required for concrete curb.
13. Bar B placement as needed (typically at four ft. C-C) to support curb reinforcing steel during concrete placement.

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DATE:
FILE:

Texas Department of Transportation | Design Division Standard

CONCRETE CURB AND CURB AND GUTTER

CCCG-22

FILE: cccg01.dgn	DW: TXDOT	CK: AN	DW: CS	CK: KM
©TxDOT JUNE 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TxDOT STANDARD PAVEMENT DETAILS (SHEET 6 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 233 OF 318	

NO.	DATE	REVISION	APP.

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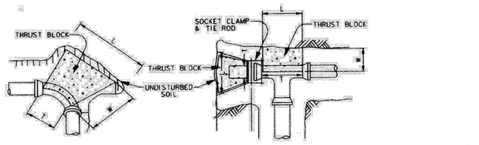
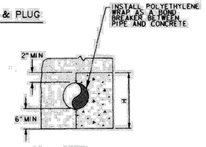




MINIMUM BLOCKING DIMENSION IN INCHES												
PIPE SIZE	90° BEND				45° BEND				TEE/PLUG			
	W	H	L	T	W	H	L	T	W	H	L	T
4"	6	12	14	10	6	8	11	8	6	10	12	12
6"	8	14	26	12	8	14	14	12	8	14	19	19
8"	10	16	40	16	10	18	20	16	10	18	26	26
10"	12	24	44	18	12	22	25	18	12	24	30	30
12"	14	36	40	30	14	26	30	22	14	26	40	40

CORRECTION FACTORS		
SOIL TYPE	SOIL BEARING STRENGTH S_b (lb/ft²)	MULTIPLY "L" AND "H" BY
SOFT CLAY	1000	1.73
SILT	1500	1.41
SANDY SILT	3000	1.00
SAND	4000	0.87
SANDY CLAY	6000	0.71
HARD CLAY	9000	0.58

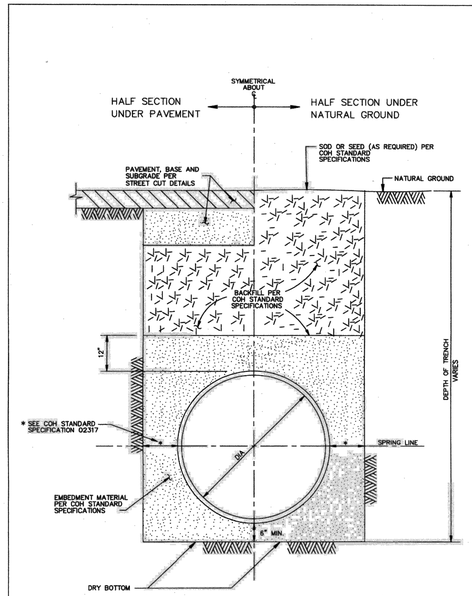
NOTES:

1. DEPTH "W" MAY BE GREATER THAN SPECIFIED TO ALLOW WORKING SPACE.
2. BLOCKING MUST BE PLACED AGAINST UNDISTURBED EARTH. WHERE THIS IS NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY.
3. PROVIDE CONCRETE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 03315 – CONCRETE FOR UTILITY CONSTRUCTION.
4. BLOCKING DIMENSIONS SHOWN ARE BASED ON 3000 PSI SOIL BEARING STRENGTH AND 125 PSI INTERNAL WATER PRESSURE. FOR OTHER SOIL CONDITIONS, MULTIPLY DIMENSIONS "L" AND "H" BY THE APPROPRIATE CORRECTION FACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

THRUST BLOCK DETAIL FOR WATER LINES (4-INCH TO 12 INCH)
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JULY-01-2010 | DWG NO: 02511-02



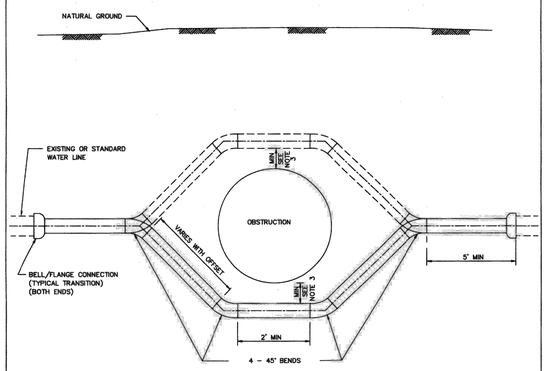
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

WATER DISTRIBUTION MAIN BEDDING AND BACKFILL FOR OPEN CUT TRENCHES
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2010 | DWG NO: 02317-04

NOTE:

1. MATERIALS AND COATINGS TO BE IN ACCORDANCE WITH WATER LINE STANDARD SPECIFICATIONS.
2. RESTRAIN EXISTING PIPING BEYOND STEEL SECTION AS REQUIRED TO PREVENT MOVEMENT.
3. AS PER DESIGN GUIDELINE.



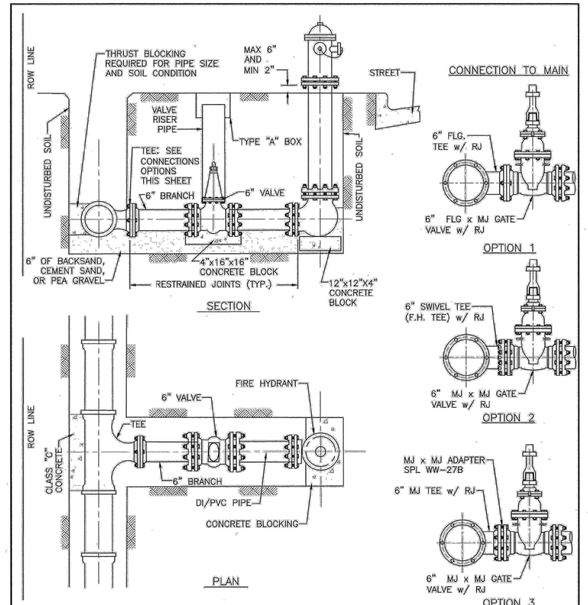
PIPE OFFSET ALTERNATES

1. DUCTILE IRON PIPE PRESSURE 250 PSI WITH APPROVED RESTRAINED JOINTS.
2. PVC PIPE WITH INTEGRAL RESTRAINED JOINT SYSTEM, OR DUCTILE – IRON RESTRINED JOINT FITTINGS, EPOXY LINED AND COATED. USE 250 PSI AWWA C900 DR 14 FOR PVC RESTRAINED JOINTS.
3. PVC NOT ALLOWED FOR GREATER THAN 20 FT OF COVER OR FOR DIAMETER LARGER THAN 20 IN.
4. USE ONLY DUCTILE IRON AND PVC PRODUCTS LISTED ON OCE DIVISION APPROVED PRODUCTS LIST AND IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TYPICAL STEEL PIPE OFFSET SECTION FOR WATER LINES
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JULY-01-2010 | DWG NO: 02511-01



NOTES:

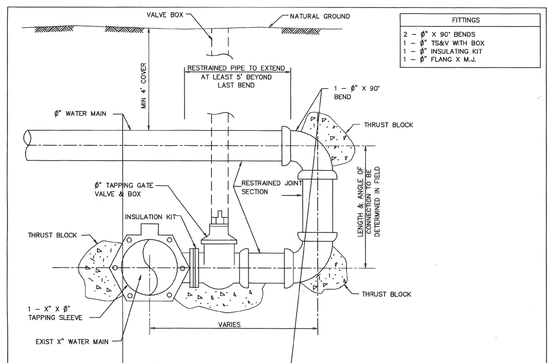
1. LOCATE FIRE HYDRANTS AT POINT OF CURVATURE (PC) OR POINT OF TANGENCY (PT) OF THE INTERSECTION CURB RADIUS, 3 FEET BEHIND CURB OR PROJECTED FUTURE CURB.
2. ON OPEN–DITCH ROADWAYS, SET THE FIRE HYDRANTS WITH IN 5 FEET OF RIGHT–OF–WAY LINES.
3. FIRE HYDRANT STEAMER NOZZLE SHALL FACE THE STREET.
4. LOCATE HYDRANT VALVE IMMEDIATELY ADJACENT TO WATER LINE.
5. ALL PIPING TO BE RESTRAINED JOINTS.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STANDARD FIRE HYDRANT DETAIL
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS
EFF DATE: JUL-01-2001 | DWG NO: 02520-01

NO.	DATE	REVISION	APP.



FITTINGS
2 – Ø" X 90° BENDS
1 – Ø" TS&V WITH BOX
1 – Ø" INSULATING KIT
1 – Ø" FLANG X M.J.

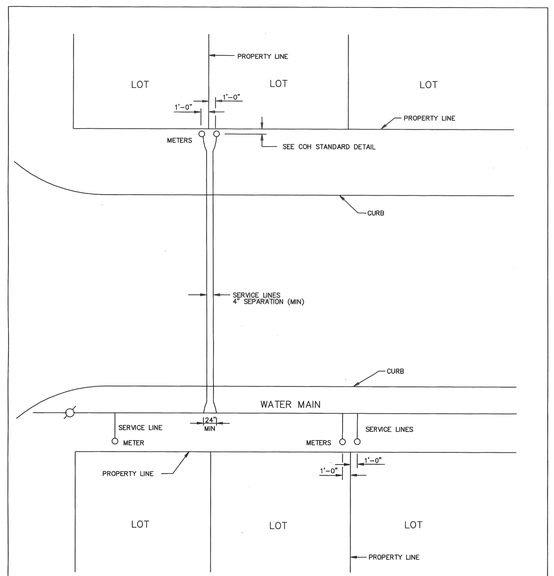
GENERAL NOTES:

1. X" AND Ø" DENOTE RUN AND BRANCH LINE SIZES RESPECTIVELY.
2. 90° BENDS ARE TO BE ROLLED TO PROVIDE CLEARANCE FOR VALVE BOX.
3. WATER MAIN ASSEMBLY FOR BACK TAP SAME FOR PROPOSED WATER MAIN UNDER EXISTING MAIN.
4. PROVIDE RESTRAINED JOINT PIPE AS SHOWN.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

BACK TAP ON EXISTING LINE
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2016 | DWG NO: 02512-03



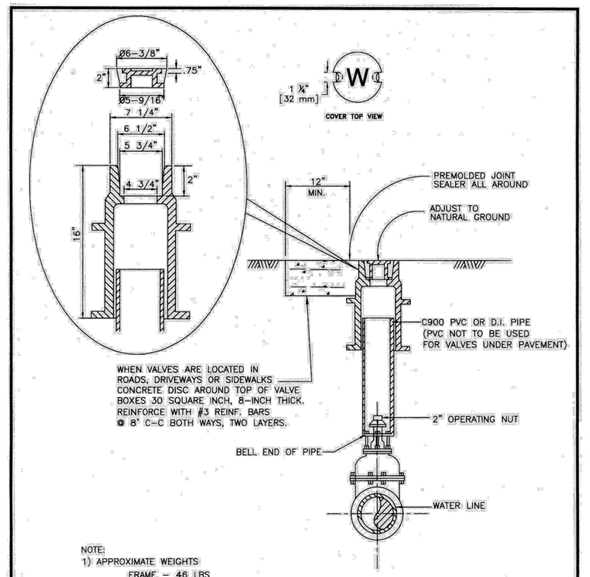
GENERAL NOTES:

1. TWO SERVICE LINES MAY BE INSTALLED IN SAME TRENCH PROVIDING 4" CLEARANCE IS MAINTAINED.
2. ONE METER PER SERVICE LINE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TYPICAL 3/4" THROUGH 2" SERVICE ARRANGEMENTS
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2016 | DWG NO: 02512-01



NOTE:
1) APPROXIMATE WEIGHTS
FRAME – 46 LBS
COVER – 10 LBS
2) MATERIAL – GRAY IRON ASTM A48 CL35B

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

VALVE BOX DETAIL
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF. DATE: JULY 01, 2010 | DWG. NO: 02065-03

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STANDARD WATER LINE DETAILS (SHEET 1 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 234 OF 318	

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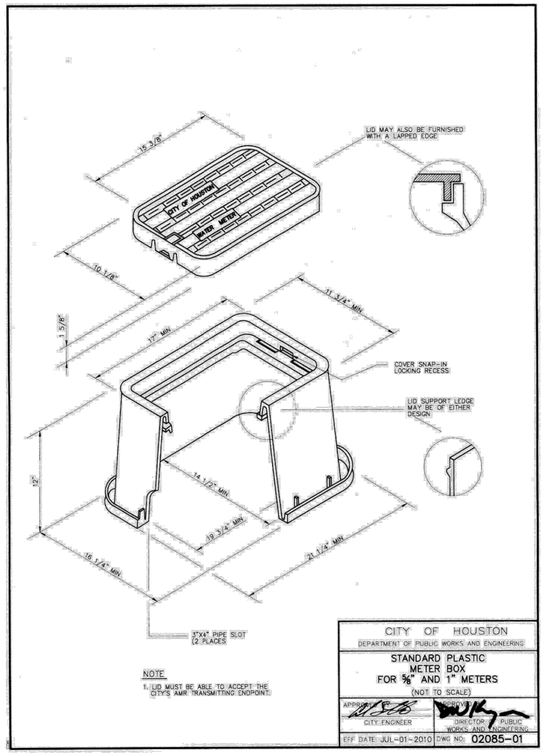


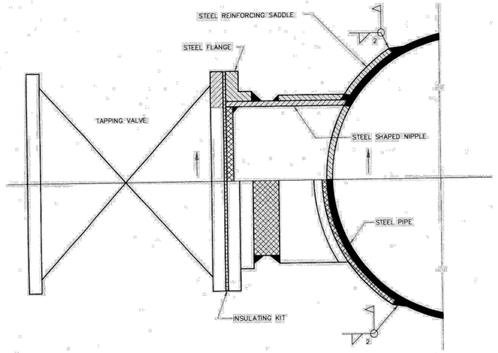
NOTE
1. LID MUST BE ABLE TO ACCEPT THE CITY'S AMR TRANSMITTING ENDPOINT.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STANDARD PLASTIC METER BOX FOR ⅝" AND 1" METERS
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2010 DWG NO: 02085-01

GENERAL NOTES:
1. PROVIDE STEEL TAPPING SLEEVE AS PER WATER MAIN SPECIFICATIONS.
2. WELDING SHALL BE AS NOTED IN WELD SYMBOLS.
3. INSULATING KIT IN ACCORDANCE WITH WATER MAIN SPECIFICATIONS.
4. REPAIR COATING AS PER WATER MAIN STANDARD SPECIFICATIONS.



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

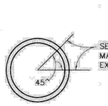
STANDARD TAP TO EXISTING STEEL MAIN
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JULY-01-2010 DWG NO: 02512-04

PIPE TAPPING SCHEDULE

WATER MAIN TYPE AND DIAMETER	SERVICE SIZE 3/4"	1"	1 1/2"	2"
4" CAST IRON OR DUCTILE IRON	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
4" ASBESTOS (EXISTING) CEMENT	WBSS	WBSS	DSS, WBSS	DSS, WBSS
4" PVC (AWWA C900)	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
6" AND 8" CAST IRON OR DUCTILE IRON	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
6" AND 8" ASBESTOS (EXISTING) CEMENT	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
6" AND 8" CAST IRON OR DUCTILE IRON	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
6" AND 8" PVC (AWWA C900)	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
12" CAST IRON OR DUCTILE IRON	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
12" ASBESTOS (EXISTING) CEMENT	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
12" PVC (AWWA C900)	DSS, WBSS	DSS, WBSS	DSS, WBSS	DSS, WBSS
16" AND UP CAST IRON OR DUCTILE IRON	DWBSS	DWBSS	DWBSS	DWBSS
16" AND UP ASBESTOS (EXISTING) CEMENT	DWBSS	DWBSS	DWBSS	DWBSS
16" AND UP PVC (AWWA C900)	DWBSS	DWBSS	DWBSS	DWBSS

DSS – DUAL STRAP SADDLES
WBSS – WIDE BAND STRAP SADDLES
DWBSS – DUAL WIDE BAND STRAP SADDLES



SERVICE TAPS TO BE MADE IN THIS ZONE EXCEPT FOR PVC FASTTAP

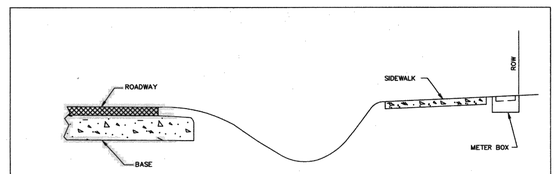
BLOW-OFF & CHLORINATION TAPS ARE MADE IN VERTICAL POSITION

WIDE BAND SINGLE SADDLE OR DUAL SADDLES

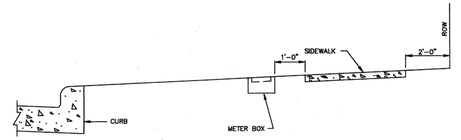
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

SERVICE TAPS
(NOT TO SCALE)

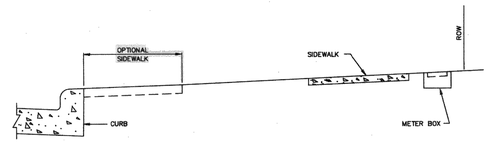
APPROVED BY: CITY ENGINEER — DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2010 DWG NO: 02512-02



OPEN DITCH STREET



CURB STREET



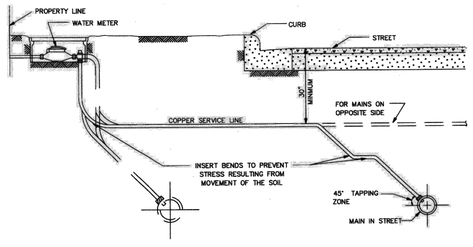
CURB STREET

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

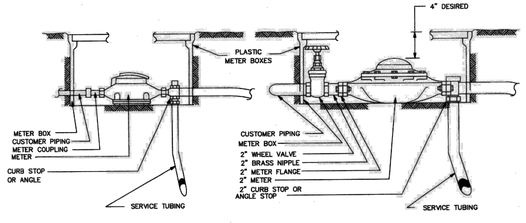
LOCATION OF WATER METER BOX FOR 2" DIAMETER AND LESS
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2010 DWG NO: 02085-02

NOTES:
1 1/2" METER SET IS SAME AS 2" EXCEPT WHEEL VALVE IS NOT REQUIRED.



TYPICAL SECTION SERVICE LINE



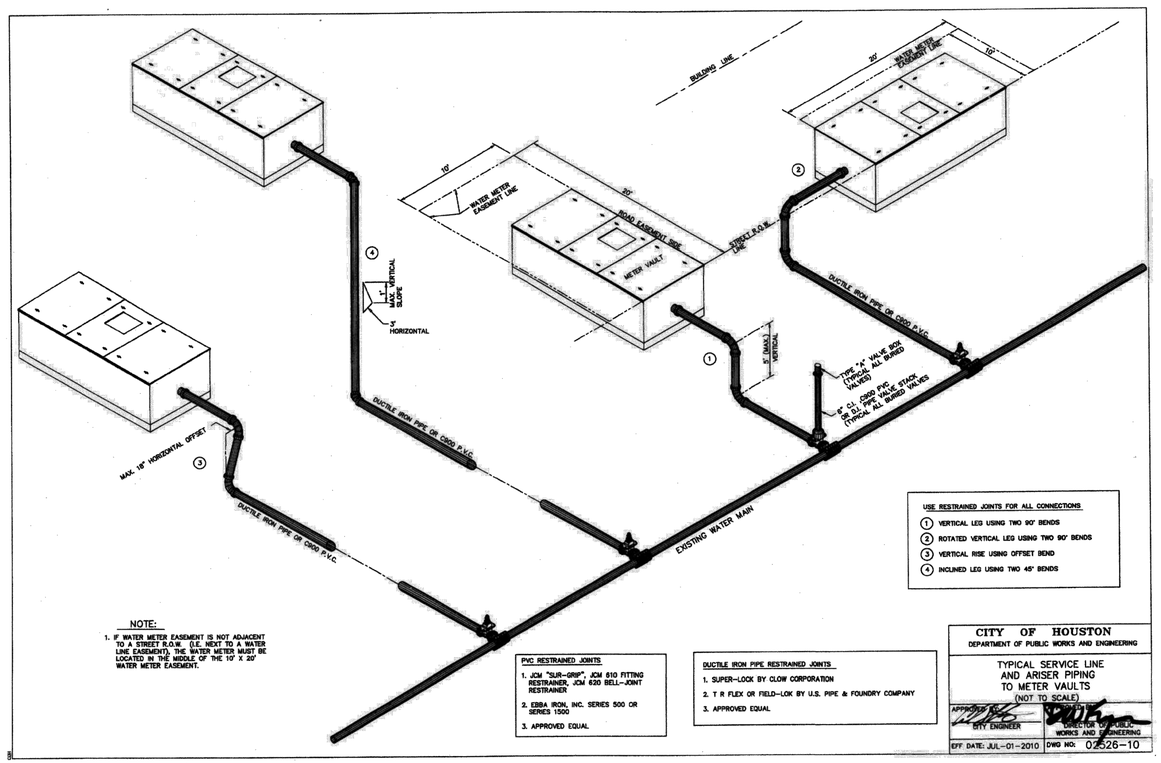
5/8", 3/4" AND 1" METER SET

2" METER SET

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TYPICAL METER SETTINGS
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JULY-01-2010 DWG NO: 02526-01



USE RESTRAINED JOINTS FOR ALL CONNECTIONS
1. VERTICAL LEG USING TWO 90° BENDS
2. ROTATED VERTICAL LEG USING TWO 90° BENDS
3. VERTICAL RISE USING OFFSET BEND
4. INCLINED LEG USING TWO 45° BENDS

NOTE:
1. IF WATER METER EASEMENT IS NOT ADJACENT TO A STREET R.O.W. (I.E. NEXT TO A WATER LINE EASEMENT), THE WATER METER MUST BE LOCATED IN THE MIDDLE OF THE 10' X 20' WATER METER EASEMENT.

PVC RESTRAINED JOINTS
1. JCM "SUR-GRIP", JCM 510 FITTING RESTRAINER, JCM 620 BELL-JOINT RESTRAINER
2. EBBA IRON, INC. SERIES 500 OR SERIES 1500
3. APPROVED EQUAL

DUCTILE IRON PIPE RESTRAINED JOINTS
1. SUPER-LOCK BY CLOW CORPORATION
2. T R FLEX OR FIELD-LOK BY U.S. PIPE & FOUNDRY COMPANY
3. APPROVED EQUAL

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TYPICAL SERVICE LINE AND ARISER PIPING TO METER VAULTS
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2010 DWG NO: 02526-10

NO.	DATE	REVISION	APP.

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STANDARD WATER LINE DETAILS (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 235 OF 318	

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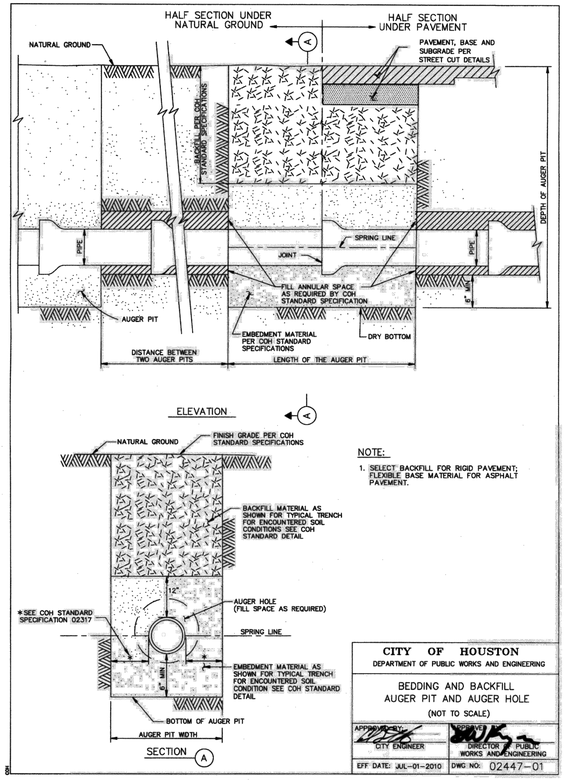


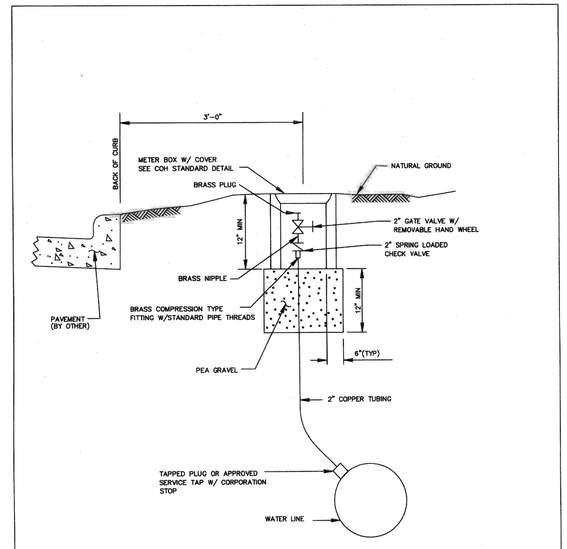
NOTE:

1. SELECT BACKFILL FOR RIGID PAVEMENT; FLEXIBLE BASE MATERIAL FOR ASPHALT PAVEMENT.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

BEDDING AND BACKFILL
AUGER PIT AND AUGER HOLE
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2010 | DWG NO: 02447-01



GENERAL NOTES:

1. PLACE GATE VALVE VERTICAL TO GROUND WITH END OF BRASS PLUG 3 INCHES FROM SURFACE
2. PLACE METER BOX CENTER AROUND GATE VALVE BOX WITH LONG SIDE PARALLEL TO VALVE.

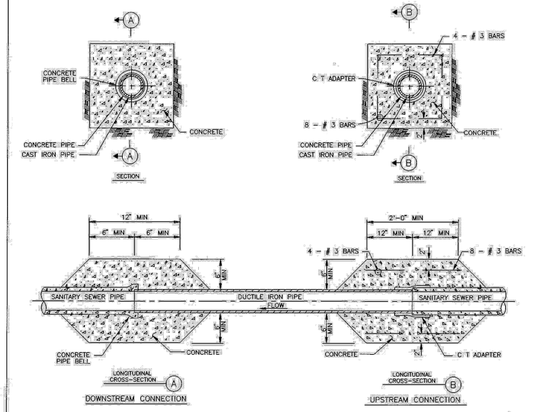
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PERMANENT
BLOW-OFF-DETAIL
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE:JULY-01-2010 | DWG NO: 02524-01

NOTE:

1. THE CONTRACTOR SHALL CENTER A MINIMUM OF 18 FOOT JOINT OF DUCTILE IRON PIPE OR C900 PVC PIPE ACROSS THE CENTER OF THE PROPOSED STORM SEWER.

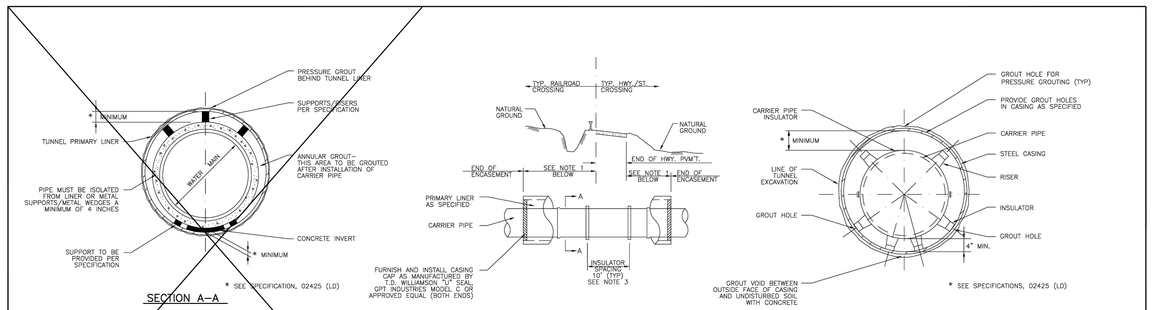


CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION

SANITARY SEWER
DUCTILE IRON PIPE
STORM SEWER CROSSING
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER | APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE:OCT-01-2002 | DWG NO: 02531-03

NO.	DATE	REVISION	APP.



DETAIL 1 – NOTES:

1. DETAIL IS FOR PRESTRESSED CONCRETE CYLINDER PIPE (BAR WRAPPED) STEEL CYLINDER PIPE, STEEL PIPE AND D.I.P. ALTERNATE SIMILAR).
2. MINIMUM CLEARANCES SHOWN ON THE PLAN & PROFILE DRAWINGS ARE TO THE O.D. OF TUNNEL LINER. ADJUST PROFILE AS REQUIRED TO MAINTAIN CLEARANCES IDENTIFIED. NO SEPARATE PAY.

1 TUNNEL DETAIL FOR TUNNEL LINER / CASING FOR PCCP OR STEEL PIPE WITH MORTAR BANDS
(FOR WATER MAINS 24 INCHES IN DIAMETER AND LARGER)

NOTES:

1. LENGTH OF ENCASEMENT SHALL BE AS SHOWN ON THE PLAN & PROFILE DRAWINGS.
2. LAY CASING PIPE IN OPEN CUT, TUNNEL OR BORE, AS NOTED ON PLAN & PROFILE DRAWINGS.
3. SEE SPECIFICATIONS FOR APPROPRIATE MODEL ACCORDING TO PIPE DIAMETER OR PIPE MANUFACTURER RECOMMENDATIONS.

DETAIL 2 – NOTES:

1. THE ANNULAR SPACE IN ALL TUNNELS IN PPCA IS TO BE GROUTED

2 TUNNEL DETAIL FOR CASING W/ STEEL CARRIER PIPE AND CASING INSULATOR
(FOR WATER MAINS 24 INCHES IN DIAMETER AND SMALLER)

* SEE TABLE 1 FOR DETAIL INFORMATION

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

TUNNEL AND CASING DETAILS
(NOT TO SCALE)

REVISED ON: _____
REVISED BY: _____
EFF DATE: MAR-20-2018 | DWG NO: 02517-01

TABLE 1: MINIMUM TUNNEL LINER / CASING SIZES AND THICKNESS

ALIGNMENT	STATION	WATER MAIN DIA.	PIPE MATERIAL	ROW	NOMINAL DIAMETER (IN.) (CASING O.D.) / WALL THICKNESS (IN.) (1)		
					2-FLANGE LINER PLATE (2)	4-FLANGE LINER PLATE	STEEL CASING
AVENUE B	18+45 TO 19+25	8"	DIP	TXDOT			20"/0.25"
AVENUE B	25+41 TO 25+92	8"	DIP	TXDOT			20"/0.25"
AVENUE C (WEST OF 71ST)	22+30 TO 23+12	8"	DIP	TXDOT			20"/0.25"
AVENUE C (WEST OF 71ST)	29+08 TO 29+94	8"	DIP	TXDOT			20"/0.25"
SHERMAN ST (WEST OF 71ST)	22+37 TO 23+11	20"	DIP	TXDOT			42"/0.375"
SHERMAN ST (WEST OF 71ST)	29+03 TO 29+95	20"	DIP	TXDOT			42"/0.375"
SHERMAN ST (EAST OF 71ST)	10+34 TO 11+48	20"	DIP	UPRR			42"/0.625"
AVENUE E (WEST OF 71ST)	19+79 TO 20+71	12"	DIP	TXDOT			24"/0.25"
AVENUE E (WEST OF 71ST)	26+85 TO 27+45	12"	DIP	TXDOT			24"/0.25"
AVENUE F (WEST OF 71ST)	20+57 TO 21+58	8"	DIP	TXDOT			20"/0.25"
AVENUE F (WEST OF 71ST)	27+58 TO 28+18	8"	DIP	TXDOT			20"/0.25"
AVENUE F (EAST OF 71ST)	11+75 TO 12+54	8"	DIP	UPRR			20"/0.344"
65TH STREET	4+07 TO 5+14	8"	DIP	UPRR			20"/0.344"
66TH STREET	4+19 TO 4+95	8"	DIP	UPRR			20"/0.344"
67TH STREET	4+00 TO 4+98	8"	DIP	UPRR			20"/0.344"
68TH STREET	3+99 TO 4+79	8"	DIP	UPRR			20"/0.344"
69TH STREET	4+03 TO 4+83	8"	DIP	UPRR			20"/0.344"
70TH STREET	4+07 TO 4+83	16"	DIP	UPRR			36"/0.531"
71ST STREET	4+31 TO 4+95	8"	DIP	UPRR			20"/0.344"
72ND STREET	5+62 TO 6+41	12"	DIP	UPRR			24"/0.375"

TABLE 1 – NOTES
1. DIAMETER OF LINER PLATE IS AT NEUTRAL AXIS.
2. LINER PLATE IS TWO FLANGE AND NOMINALLY 2-INCH CORRUGATION BY 6-INCH PROFILE.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STANDARD WATER LINE DETAILS (SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: N/A VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 236 OF 318	

PLOTTED: 12/12/2025 2:01 PM

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GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) LATEST EDITION WITIH REVISIONS DURING THE ENTIRE CONSTRUCTION PERIOD.
2. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM THE LATEST VERSION OF THE TMUTCD.
3. NO LANES SHALL BE CLOSED DURING THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY WITHOUT APPROVAL OF THE CITY TRAFFIC ENGINEER.
4. NO WORK SHALL BE PERFORMED IN RESIDENTIAL AREAS FROM 7:00 PM TO 7:00 AM.
5. CONTRACTOR SHALL MAINTAIN APPROVED NUMBER OF THROUGH LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION WORKING HOURS. TRAFFIC CONTROL PLANS SHALL INCLUDE ONE–WAY AND/OR DETOUR PLANS. CONTRACTOR SHALL MAINTAIN ADA COMPLIANT PEDESTRIAN ACCESS TO BUS STOPS AND ADEQUATE BUS ACCESS TO ALL THE BUS STOPS.
6. CONTRACTOR SHALL MAINTAIN TRAFFIC LANES AND DETOURS ACCORDING TO TRAFFIC CONTROL PLANS DURING WORKING HOURS.
7. CONTRACTOR SHALL COVER OPEN PAVEMENT EXCAVATIONS FOR MINOR UTILITY WORK WITH ANCHORED STEEL PLATES DURING NON–WORKING HOURS, AND OPEN LANES FOR NORMAL TRAFFIC FLOW WHEN FEASIBLE.
8. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF "TRAFFIC CONTROL PLANS" DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT AN ALTERNATE SET OF TRAFFIC CONTROL PLANS TO THE CITY OF HOUSTON PROJECT MANAGER FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION. THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SHALL BE SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. OFFICE OF CITY ENGINEER, MOBILITY PERMITS SECTION REPRESENTATIVE APPROVAL IS REQUIRED TO ACCEPT THE PROPOSED CHANGES.
9. CONTRACTOR SHALL SECURE LANE/SIDEWALK/BICYCLE FACILITY CLOSURE PERMITS FROM OFFICE OF CITY ENGINEER (MOBILITY PERMIT SECTION AT https://geohub.houstontx.gov) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN DAYS PRIOR TO THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND/OR BEGINNING CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, CONSTRUCTION SEQUENCING, AND CONSTRUCTION SCHEDULE WITH THE APPLICATION.
10. CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JOB SITE FOR INSPECTION AT ALL TIMES.
11. DURING PAVEMENT SURFACE RESTORATION PROJECTS; THE CONTRACTOR SHALL NOT OPEN CLOSED LANES UNTIL THE PAVEMENT SURFACE HAS CURED ENOUGH TO ALLOW VEHICULAR TRAFFIC ACCORDING TO CITY OF HOUSTON STANDARD SPECIFICATIONS.
12. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL CONSTRUCTION ACTIVITIES WITH STAKE HOLDERS IN THE VICINITY INCLUDING EMERGENCY RESPONSE AGENCIES SUCH AS HOUSTON POLICE DEPARTMENT, HOUSTON FIRE DEPARTMENT, AND METROPOLITAN TRANSIT AUTHORITY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ISSUING ALL WORK DIRECTIVES TO ALL SUB–CONTRACTORS, UTILITY COMPANIES, AND ALL OTHER ENTITIES PERFORMING CONSTRUCTION WORK ASSOCIATED WITH THE PROJECT.
14. NOTHING IN THESE NOTES OR PLANS SHALL RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT; INCLUDING SAFETY OF ALL MODES OF TRANSPORTATION, PERSONS, AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
15. THE OFFICE OF CITY ENGINEER (MOBILITY PERMITS GROUP) PER THE DIRECTION OF THE CITY TRAFFIC ENGINEER HAVE THE RIGHT TO DEMAND THE INSTALLATION OF ADDITIONAL TRAFFIC CONTROL DEVICES OR MODIFICATIONS OF THESE PLANS AND NOTES, AS DEEMED NECESSARY TO PROMOTE THE SAFE AND ORDERLY FLOW OF TRAFFIC, INCLUDING PEDESTRIANS AND BICYCLES, THROUGH THE CONSTRUCTION WORK ZONE. THE CONTRACTOR SHALL COMPLY WITH THESE ADDITIONAL REQUESTS OR MODIFICATIONS WITH DUE DILIGENCE.
16. ALL EXISTING TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED IN VISIBLE LOCATIONS DURING CONSTRUCTION UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM CITY OF HOUSTON PROJECT MANAGER. THE CONTRACTOR SHALL RESTORE OR REPLACE (AT THE DISCRETION OF THE CITY TRAFFIC ENGINEER) ANY PAVEMENT MARKING OR SIGNING DAMAGE DURING CONSTRUCTION OPERATIONS, INCLUDING RAISED PAVEMENT MARKERS (RPMS).
17. WHEN ENTERING OR LEAVING ROADWAYS CARRYING PUBLIC TRAFFIC, THE CONTRACTOR'S EQUIPMENT, WHETHER EMPTY OR LOADED SHALL IN ALL CASES YIELD TO PUBLIC TRAFFIC WITH THE ASSISTANCE OF CONTRACTOR PROVIDED CERTIFIED FLAGGER/PEACE OFFICER.
18. ACCESS TO DRIVEWAYS ADJACENT TO THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED AT ALL TIMES AS MUCH AS POSSIBLE. ADDITIONAL CONES AND/OR DELINEATORS MAY BE REQUIRED TO DELINEATE THE DRIVEWAY ACCESS ROUTE THROUGH THE CONSTRUCTION WORK ZONE. A MINIMUM OF ONE TRAVEL LANE SHALL BE MAINTAINED ACROSS THE DRIVEWAYS, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM CITY OF HOUSTON PROJECT MANAGER.
19. SPILLAGE RESULTING FROM HAULING OPERATIONS ALONG OR ACROSS ANY PUBLIC TRAVELED WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
20. THE CONTRACTOR SHALL SUBMIT AN APPLICATION FOR TEMPORARY PARKING RESTRICTIONS IF THERE ARE PARKING METERS LOCATED AT THE PROPOSED LANE CLOSURES FROM PARKING MANAGEMENT DIVISION (832–393–8690) AT LEAST TEN BUSINESS DAYS BEFORE IMPLEMENTATION OF LANE CLOSURES. IN ADDITION, TEMPORARY NO PARKING SIGNS SHALL BE POSTED 24 HOURS PRIOR TO COMMENCEMENT OF WORK.
21. ADDITIONAL OFF DUTY OFFICERS/FLAGGERS MAY BE REQUESTED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED AT THE DISCRETION OF THE CITY PROJECT MANAGER EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED ON THE PROJECT PLANS.
22. THE CONTRACTOR SHALL REPLACE WITHIN 72 HOURS, ALL TRAFFIC SIGNAL LOOP DETECTORS DAMAGED DURING CONSTRUCTION.
23. IN GENERAL, A SOLAR POWERED FLASHING ARROW BOARD SHALL BE REQUIRED ON ALL MAJOR THOROUGHFARE LANES CLOSURES. EXCEPTIONS TO FLASHING ARROW BOARDS AND/OR IMPLEMENTATION ON RESIDENTIAL LANE CLOSURES SHALL BE APPROVED BY CITY TRAFFIC ENGINEER.
24. APPROVED TRAFFIC CONTROL PLAN SHALL BE IN PLACE BEFORE STARTING ANY EXCAVATION.
25. WATER FILLED BARRIERS CAN BE USED AS INSTRUCTED BY THE ENGINEER AND APPROVED BY THE CITY FOR PROJECTS WHERE SPACE IS LIMITED AND HEAVY EQUIPMENT TO PLACE CONCRETE BARRIERS IS NOT FEASIBLE. WATER FILLED BARRIERS SHALL NOT BE USED ON ROADWAYS WITH A POSTED SPEED LIMIT MORE THAN 45 MPH.
26. WATER FILLED BARRIERS MUST BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S REQUIREMENTS AND ROUTINELY INSPECTED FOR DEFECTS.
27. IF WATER FILLED BARRIER IS PROVIDED, USE ENVIRONMENTALLY SAFE ANTI–FREEZING AGENT IN THE WATER WHEN IT IS APPLICABLE PER MANUFACTURER SPECIFICATIONS AND RECOVER AGENT WHEN THE BARRIER IS DRAINED.
28. DISPOSE OF WATER AND AGENT PROPERLY. DO NOT DRAIN WATER FILLED BARRIER INTO OR ACROSS AN EXISTING TRAVEL LANE.
29. PROVIDE BARRIER UNITS THAT ARE CAPABLE OF BEING LIFTED AND MOVED WHEN FILLED IF DRAINING IS NOT POSSIBLE.
30. PROVIDE WATER FILLED BARRIER THAT ACTS AS ITS OWN FREE STANDING, NON–REDIRECTIVE END TREATMENT.
31. WHEN WATER FILLED BARRIERS ARE USED TO CHANNELIZE PEDESTRIANS, THEY MUST HAVE A CONTINUOUS DETECTABLE BOTTOM FOR USERS OF LONG CANES AND THE TOP OF THE UNIT SHALL NOT BE LESS THAN 32 INCHES IN HEIGHT.
32. ANY CLOSURE OF A PEDESTRIAN OR BICYCLE FACILITY SHALL REQUIRE THE SHORTEST DETOUR THAT MAINTAINS THE SAFETY OF PEDESTRIAN AND/OR BICYCLISTS.

SPACING FOR CHANNELIZING DEVICES

A. PLASTIC DRUMS ON MERGING TAPER @ 30' C – C WITH CHEVRON SIGN @ 60' C – C AND WARNING LIGHTS FOR OVERNIGHT CLOSURE.

B. PLASTIC DRUMS ON DOWNSTREAM TAPER @ 30' C – C (RETURN TAPER AND BARRICADE ARE OPTIONAL AND DIVIDED ROADWAY SECTION)

C. PLASTIC DRUMS ON RADII @ 35' C –C.

D. PLASTIC DRUMS ON TANGENT @ 35' C – C WITH VERTICAL PANEL AT 70' C – C AND APPROVED WARNING LIGHT @ 70' C – C (FOR OVERNIGHT CLOSURE).

E. PLASTIC DRUMS IN FRONT OF CONSTRUCTION ZONE @ 20' C – C WITH VERTICAL PANEL AT 40' C – C AND APPROVED WARNING LIGHT @ 40' C – C (FOR OVERNIGHT CLOSURE).

F. CONCRETE TRAFFIC BARRIER (CTB) OR LOW PROFILE CONCRETE TRAFFIC BARRIER (LPCTB) WITH APPROVED REFLECTORS @ 10' C – C IF PAVEMENT DROP IS GREATER THAN 1 FOOT.

G. PLASTIC DRUMS W/GUARD RAIL MOUNTED.

H. SELF– RIGHTING VERTICAL PANEL SPACING.
– 4 LANES TO 2 LANES UNDIVIDED ROADWAY SECTION @ 20' C – C.
– 4 LANES DIVIDED ROADWAY TO ONE SIDE TWO WAY ROADWAY @ 20' C – C.
– LEFT LANE AND RIGHT LANE STORAGE BAYS @ 15' C – C.

I. SPACING SHOWN ON TRAFFIC CONTROL SHALL SUPERSEDE THE ABOVE SPACING.

J. SPACING MAY BE ADJUSTED TO PROVIDE DRIVEWAYS, INTERSECTIONS AND /OR MEDIAN OPENINGS.

TABLE C3 – TYPICAL SIGN SPACING, TAPER LENGTHS, AND SUGGESTED SPACING OF CHANNELIZATION DEVICES

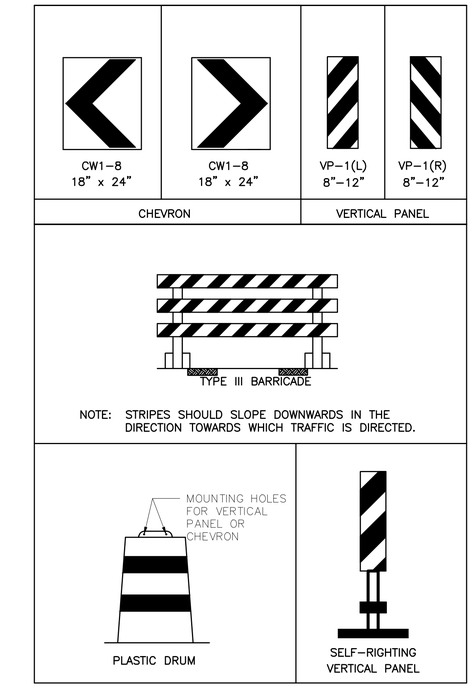
POSTED SPEED (MPH)	SIGN SPACING "X" (FEET)	MIN. DESIRABLE TAPER LENGTH "L"			SUGGESTED MAXIMUM SPACING OF DEVICE	
		10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT
30	120'	150'	165'	180'	30'	60'–75'
35	160'	205'	225'	245'	35'	70'–90'
40	240'	265'	295'	320'	40'	80'–100'
45	320'	450'	495'	540'	45'	90'–110'
50	400'	500'	550'	600'	50'	100'–125'
55	500'	550'	605'	660'	55'	110'–140'

TABLE C4 – STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

POSTED SPEED (MPH)	DISTANCE "D" (FEET)
30	200
35	250
40	305
45	360
50	425
55	495

W/E STREETS	POSTED SPEED LIMIT
HARRISBURG BLVD	30 MPH
AVENUE B	30 MPH
AVENUE C	30 MPH
SHERMAN ST	30 MPH
BRADY ST	30 MPH
AVENUE E	30 MPH
AVENUE F	30 MPH
CANAL ST	30 MPH

N/S STREETS	POSTED SPEED LIMIT
65TH ST	30 MPH
66TH ST	30 MPH
67TH ST	30 MPH
68TH ST	30 MPH
69TH ST	30 MPH
70TH ST	30 MPH
71ST ST	30 MPH
72ND ST	30 MPH
73RD ST	30 MPH
74TH ST	30 MPH
75TH ST	30 MPH



CHANNELIZATION AND BARRICADES

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY
- OFF DUTY POLICE OFFICER

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN NOTES

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: NTS VERT: NTS	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 237 OF 318	

PLOTTED: 12/12/2025 2:02 PM

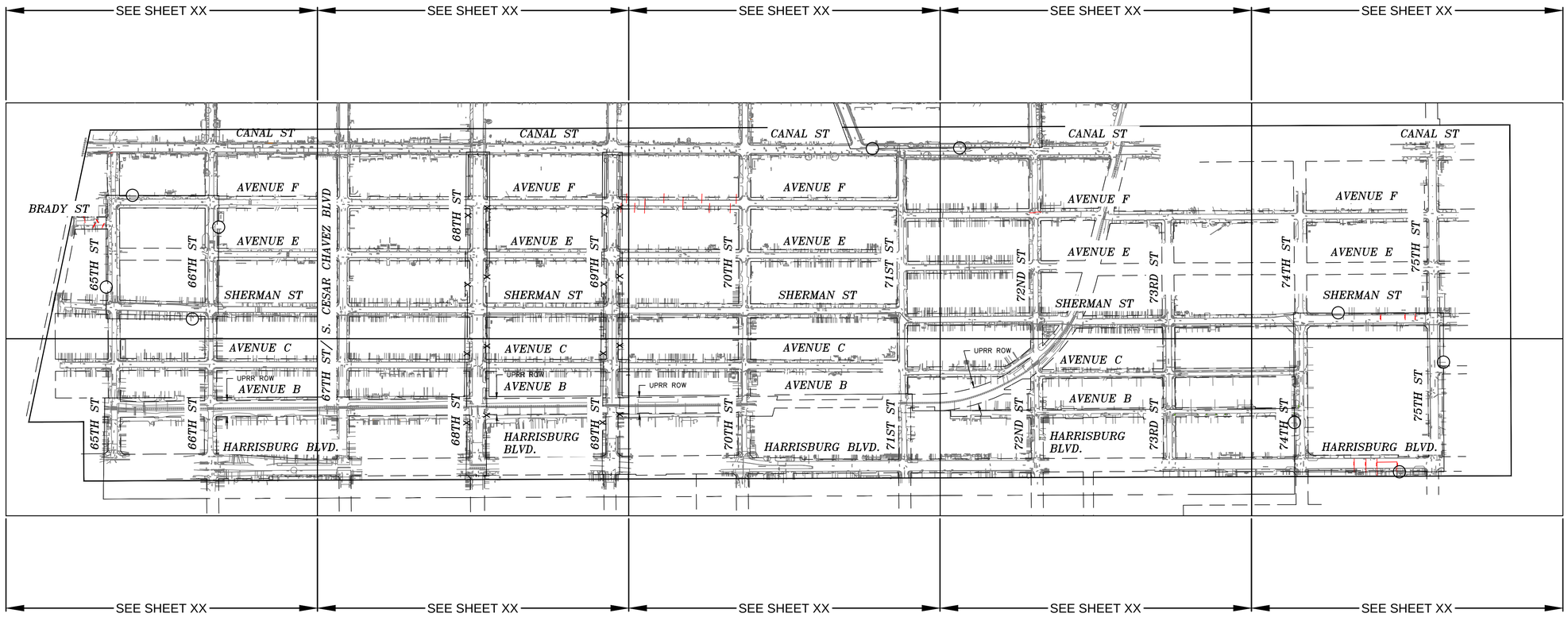
FILE PATH: J:\COHoustonPWE\200000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-TCP.dwg

NO.	DATE	REVISION	APP.

N

300' 0' 300'

SCALE 1"=300'



LEGEND:

- PROJECT BOUNDARY
- SCHOOL ZONE
- COMMERCIAL ZONE
- X — TXDOT ROW AREA
- UPRR ROW AREA

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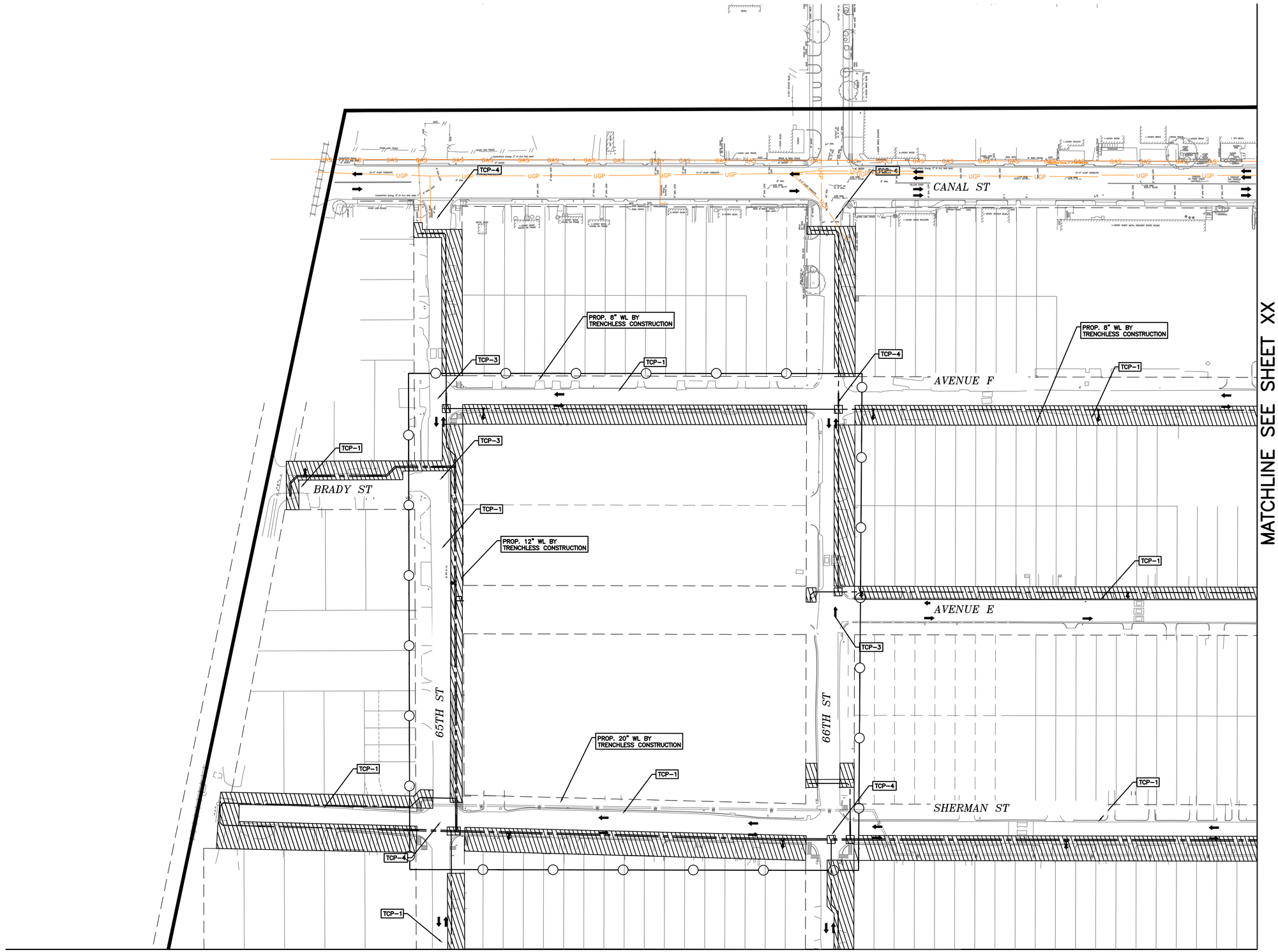
TRAFFIC CONTROL PLAN OVERALL LAYOUT

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=300' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 238 OF 318	

PLOTTED: 12/12/2025 2:02 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-TCP.dwg



MATCHLINE SEE SHEET XX

N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP 2	TCP 3	TCP 4	TCP 5	
TCP 6	TCP 7	TCP 8	TCP 9	TCP 10

LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
- TCP-2 TYPICAL TRAFFIC CONTROL PLAN DETOUR WITH ONE LANE CLOSURE, SEE TCP-2
- TCP-3 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR TEE INTERSECTION, SEE TCP-3
- TCP-4 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR INTERSECTION, SEE TCP-4
- TCP-5 TYPICAL TRAFFIC CONTROL PLAN LAYOUT, SEE TCP-5
- TCP-6 TYPICAL TRAFFIC LAYOUT, SEE TCP-6
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- TCP-8 TYPICAL ONE LANE CLOSURE PLAN TWO WAY FLAGGING OPERATION
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- TCP-10 TYPICAL PEDESTRIAN TRAFFIC CONTROL DETAILS FOR CROSSWALK CLOSURE
- PROJECT BOUNDARY
- SCHOOL ZONE
- COMMERCIAL ZONE
- TXDOT ROW AREA
- UPRR ROW AREA

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TRAFFIC CONTROL PLAN

(SHEET 1 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=60' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 239 OF 318	

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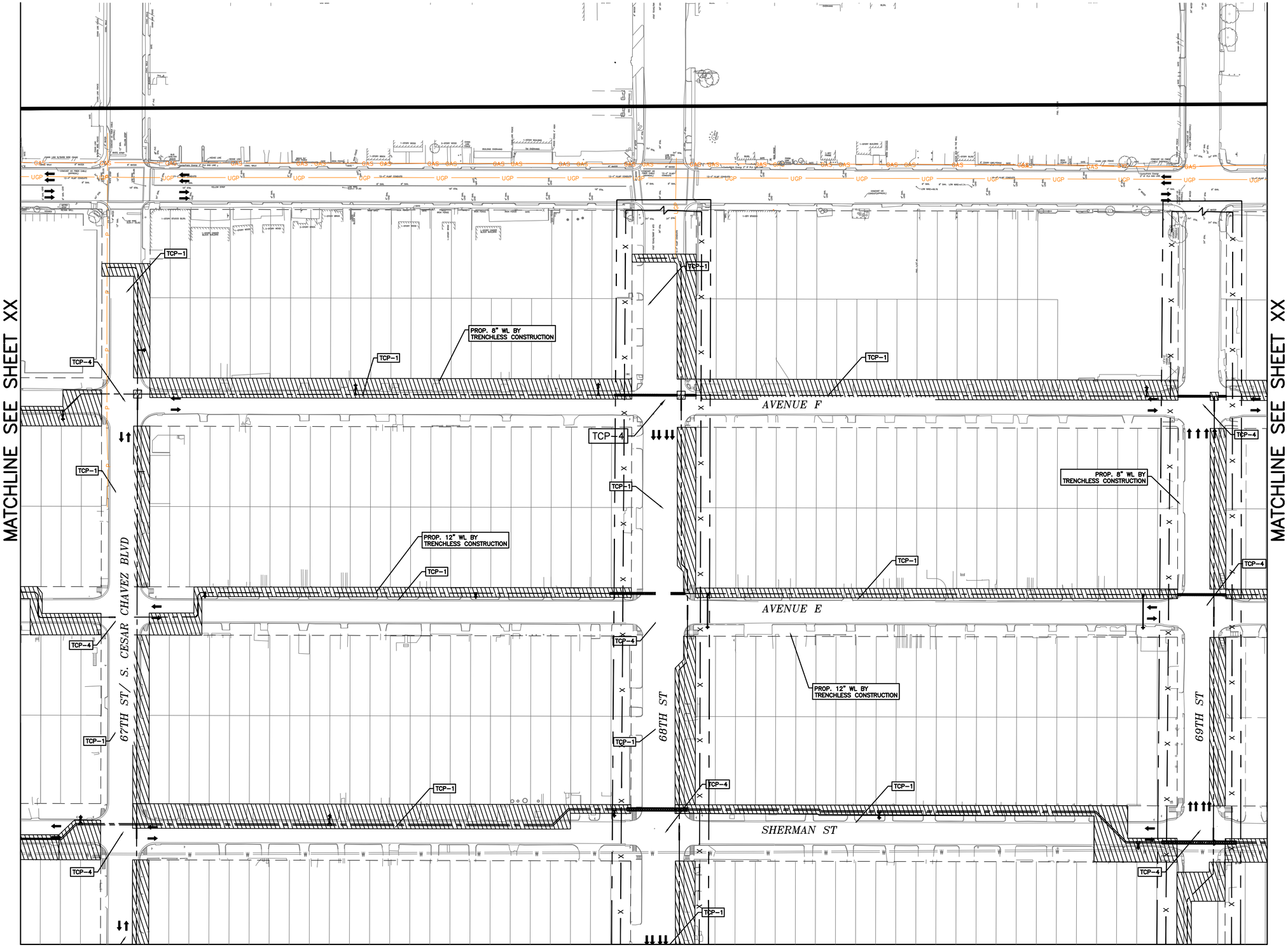
MATCHLINE SEE SHEET XX

MATCHLINE SEE SHEET XX

MATCHLINE SEE SHEET XX



N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP-1		TCP-3	TCP-4	TCP-5
TCP-6	TCP-7	TCP-8	TCP-9	TCP-10

LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
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- COMMERCIAL ZONE
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- UPRR ROW AREA

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TRAFFIC CONTROL PLAN

(SHEET 2 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 240 OF 318	

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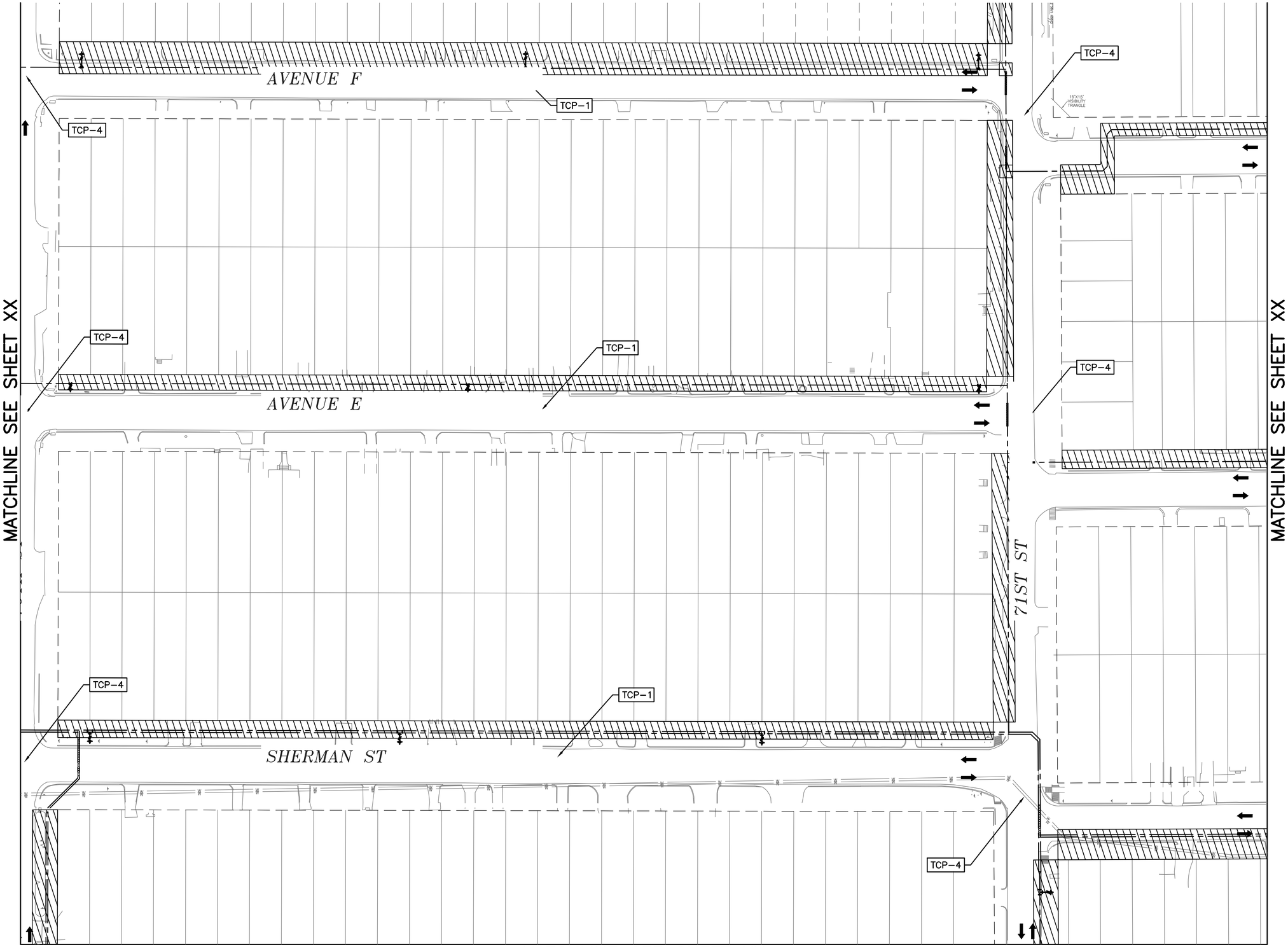

N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP-1 TCP-2 TCP-4 TCP-5
TCP-6 TCP-7 TCP-8 TCP-9 TCP-10

LEGEND:

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TRAFFIC CONTROL PLAN

(SHEET 3 OF 10)

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SHEET NO. 241 OF 318	

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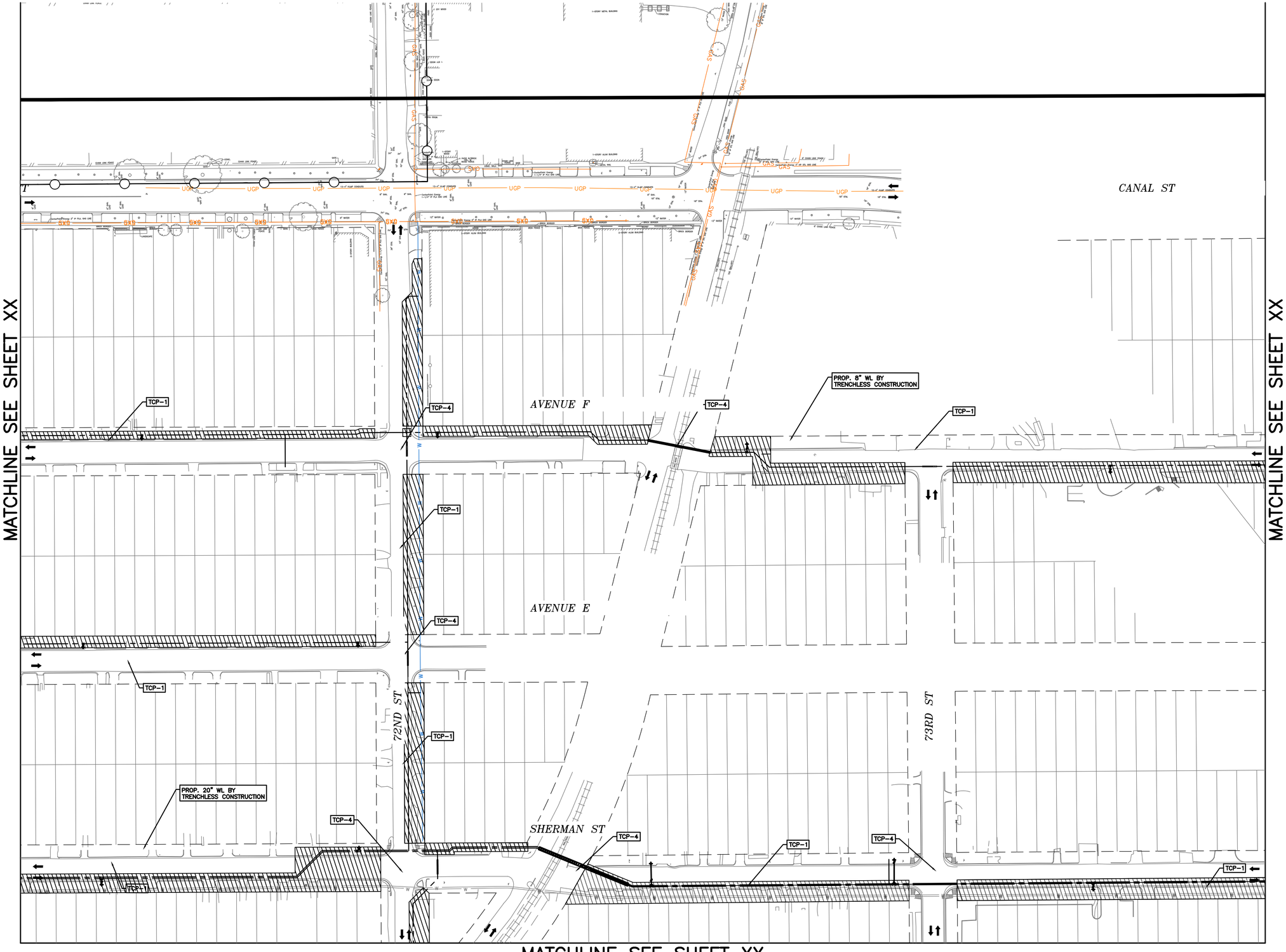
MATCHLINE SEE SHEET XX



MATCHLINE SEE SHEET XX

MATCHLINE SEE SHEET XX

N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP-1 TCP-2 TCP-3 TCP-5
TCP-6 TCP-7 TCP-8 TCP-9 TCP-10

LEGEND:

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- TXDOT ROW AREA
- UPRR ROW AREA

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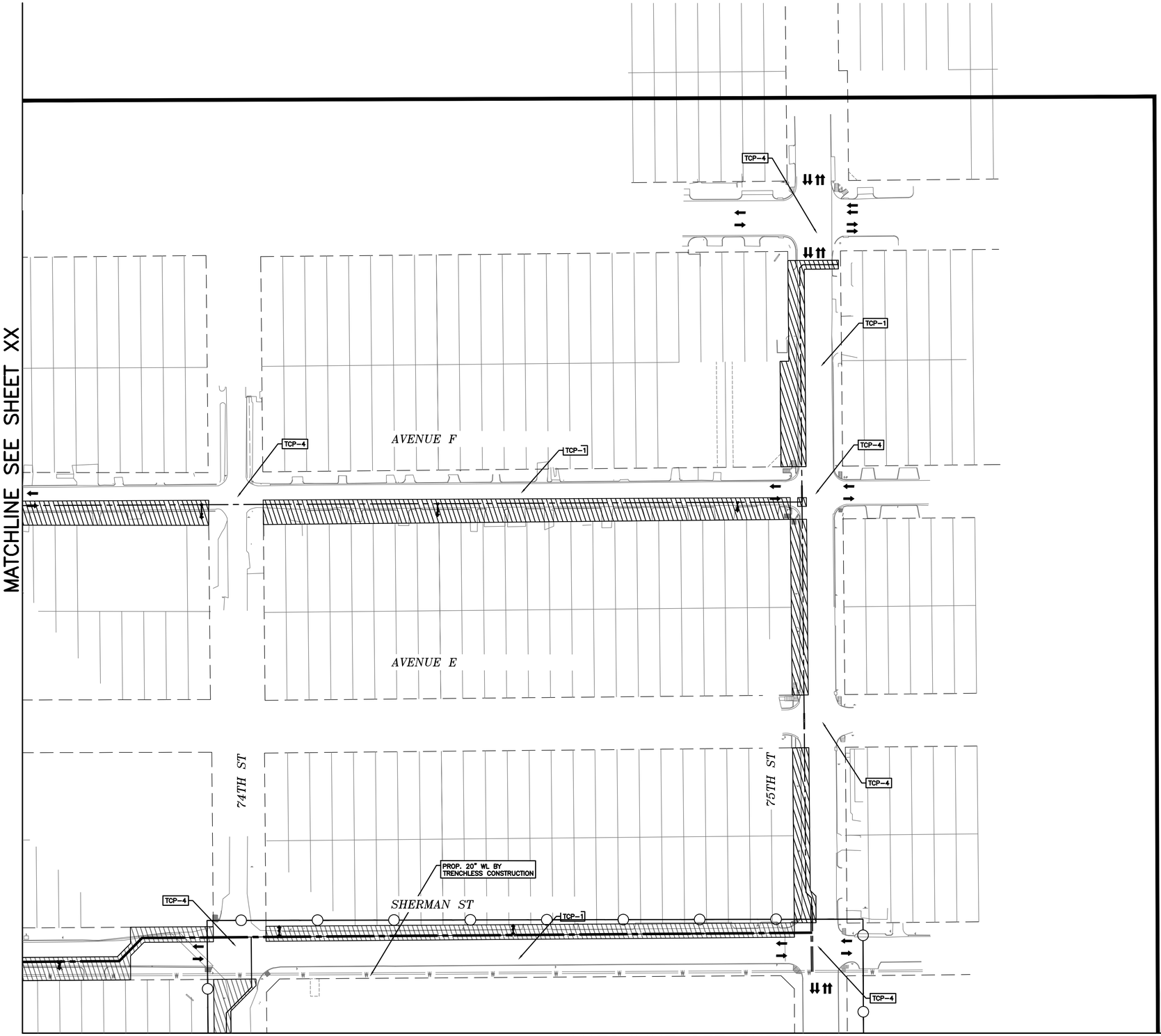
TRAFFIC CONTROL PLAN

(SHEET 4 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 242 OF 318	

PLOTTED: 12/12/2025 2:05 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-TCP.dwg



CANAL ST

N

60' 0' 60'
SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP-1 TCP-2 TCP-3 TCP-4
TCP-6 TCP-7 TCP-8 TCP-9 TCP-10

LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
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(SHEET 5 OF 10)

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HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 243 OF 318	

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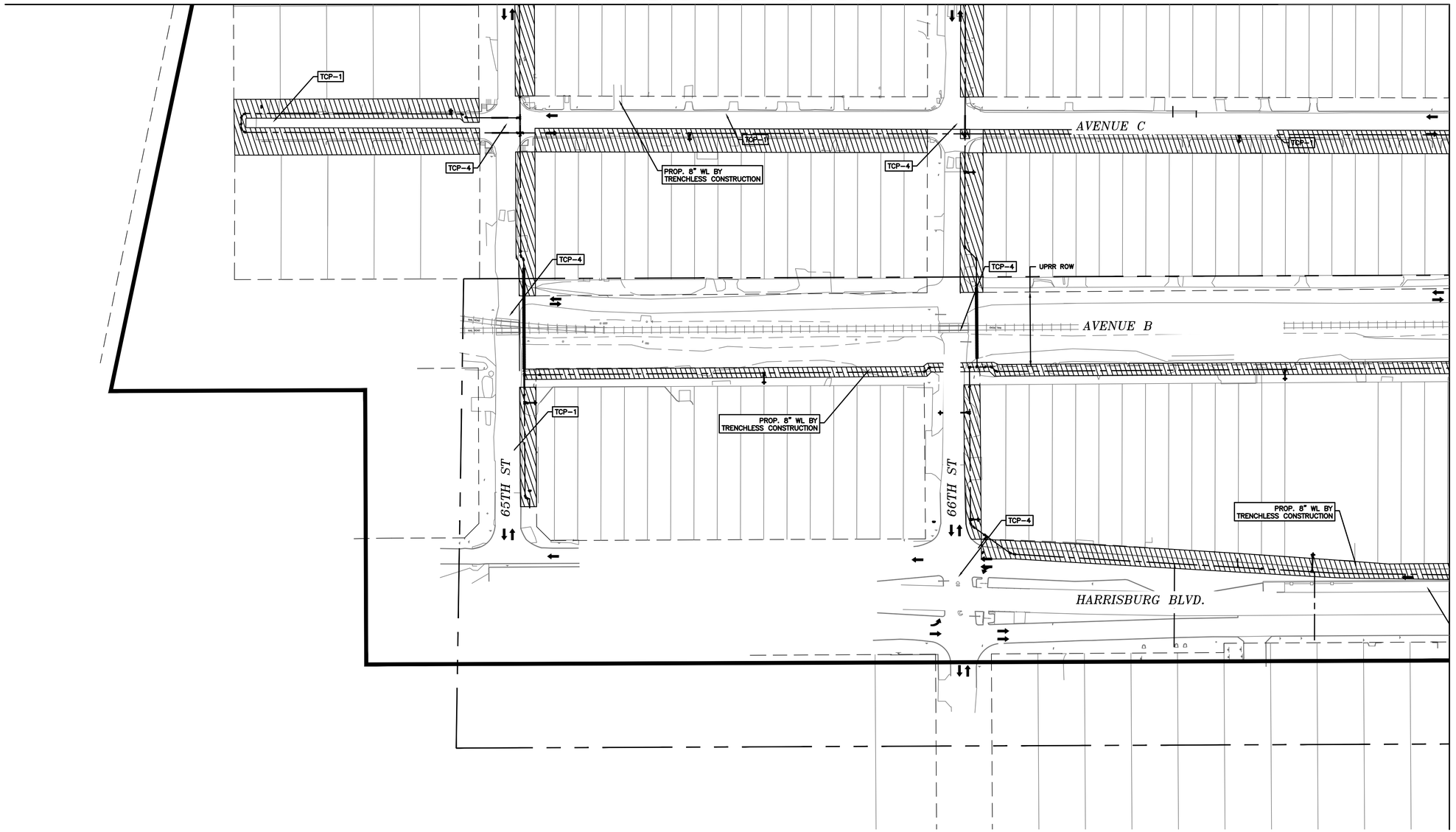
MATCHLINE SEE SHEET 245

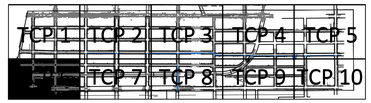


MATCHLINE SEE SHEET XX

N

60' 0' 60'
SCALE 1"=60'

NO.	DATE	REVISION	APP.



LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
- TCP-2 TYPICAL TRAFFIC CONTROL PLAN DETOUR WITH ONE LANE CLOSURE, SEE TCP-2
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TRAFFIC CONTROL PLAN

(SHEET 6 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 244 OF 318	

PLOTTED: 12/12/2025 6:02 PM

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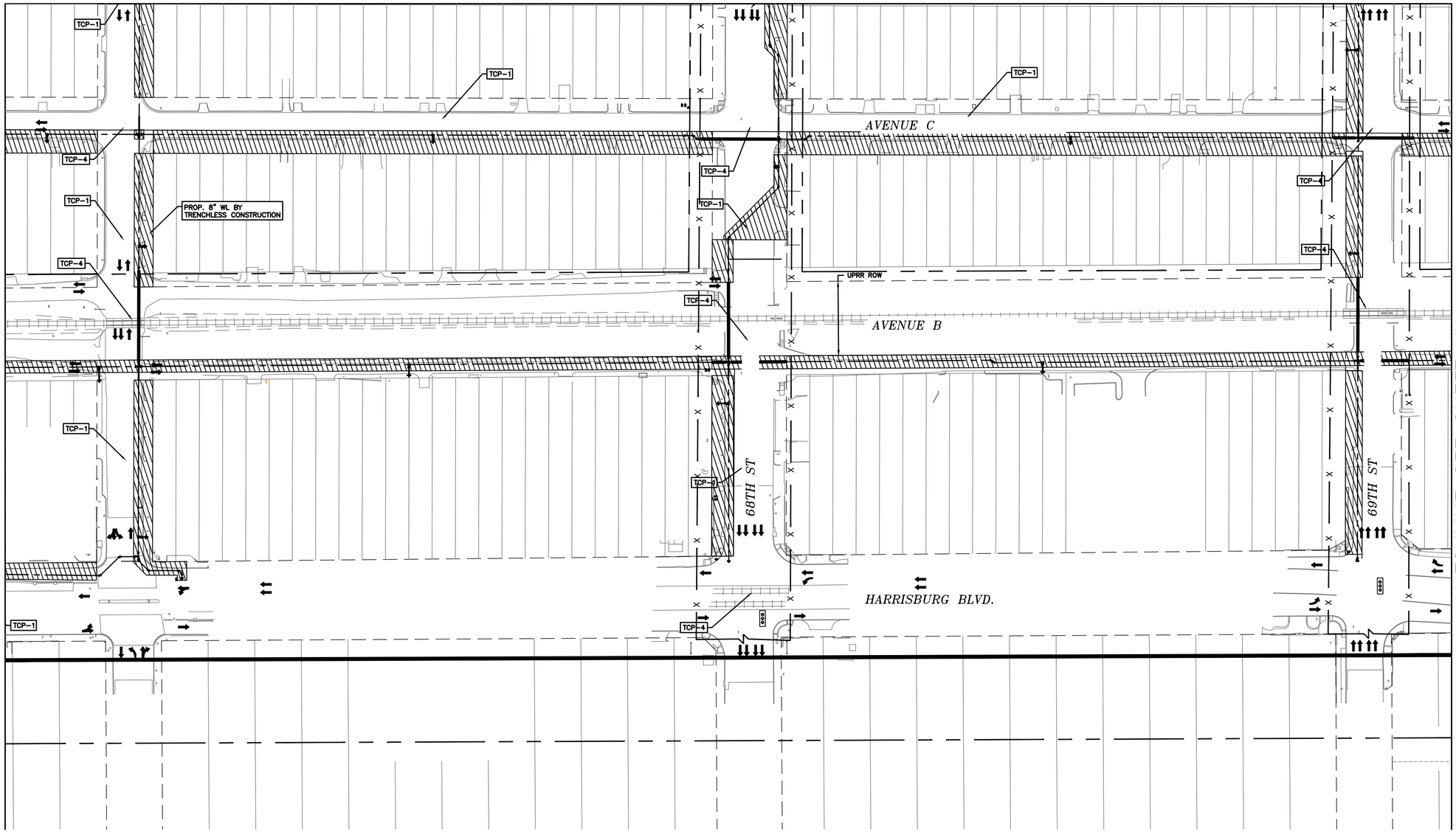
MATCHLINE SEE SHEET 246

MATCHLINE SEE SHEET 246

MATCHLINE SEE SHEET XX

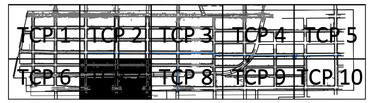


N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.



LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
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LANDTECH, INC.
FB NO. P-6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN

(SHEET 7 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 245 OF 318	

PLOTTED: 12/12/2025 6:03 PM

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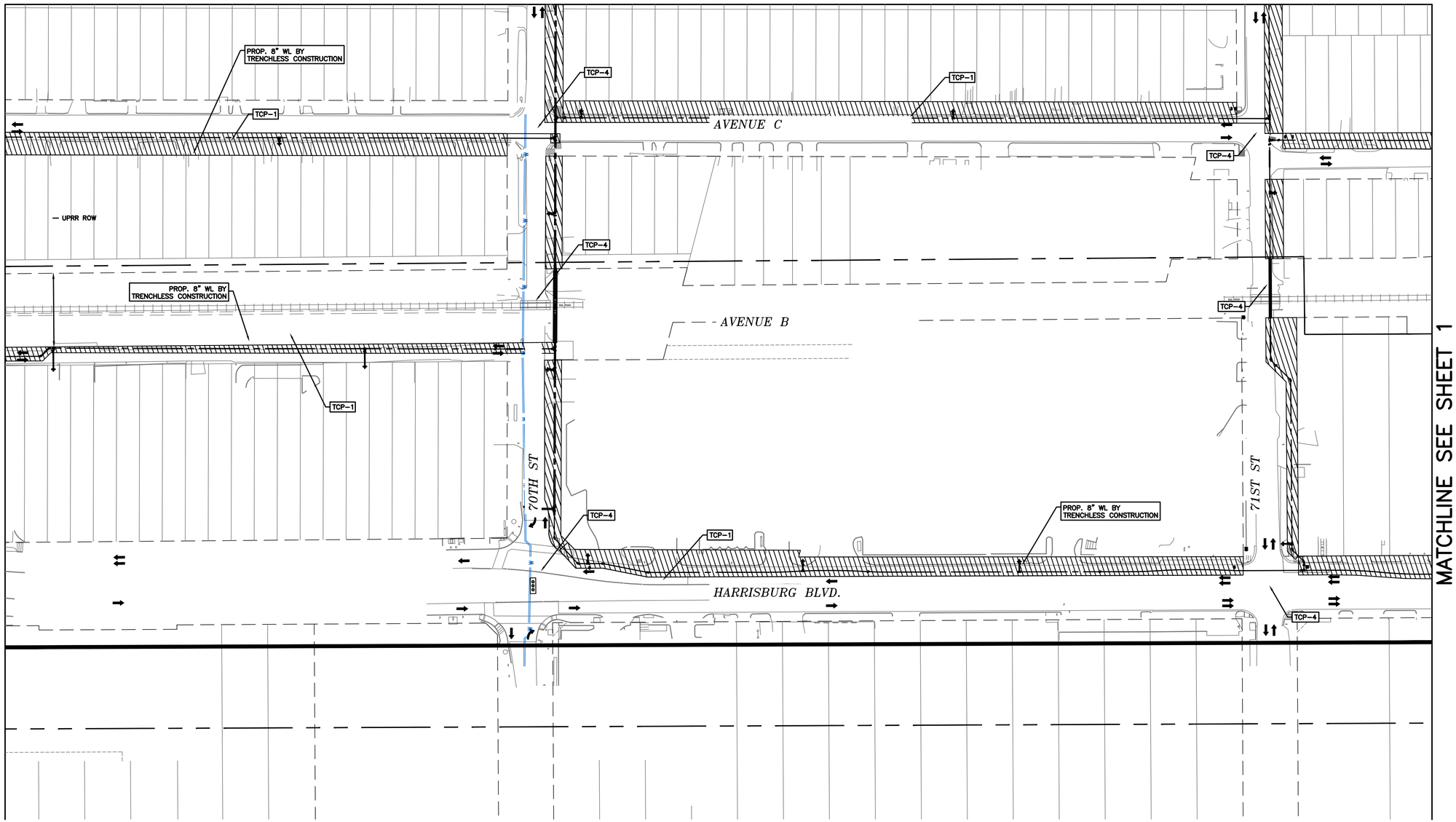
MATCHLINE SEE SHEET 247

MATCHLINE SEE SHEET 247

MATCHLINE SEE SHEET 1

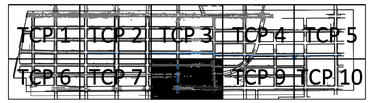


N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.



LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
- TCP-2 TYPICAL TRAFFIC CONTROL PLAN DETOUR WITH ONE LANE CLOSURE, SEE TCP-2
- TCP-3 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR TEE INTERSECTION, SEE TCP-3
- TCP-4 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR INTERSECTION, SEE TCP-4
- TCP-5 TYPICAL TRAFFIC CONTROL PLAN LAYOUT, SEE TCP-5
- TCP-6 TYPICAL TRAFFIC LAYOUT, SEE TCP-6
- TCP-7 BARRICADE AND CHANNELIZING DEVICE, SEE TCP-7
- TCP-8 TYPICAL ONE LANE CLOSURE PLAN TWO WAY FLAGGING OPERATION
- TCP-9 TYPICAL TRAFFIC CONTROL PLAN FOR EXTERIOR AND INTERIOR LANE CLOSURE
- TCP-10 TYPICAL PEDESTRIAN TRAFFIC CONTROL DETAILS FOR CROSSWALK CLOSURE
- PROJECT BOUNDARY
- SCHOOL ZONE
- COMMERCIAL ZONE
- TXDOT ROW AREA
- UPRR ROW AREA

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN

(SHEET 8 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 246 OF 318	

PLOTTED: 12/12/2025 6:05 PM

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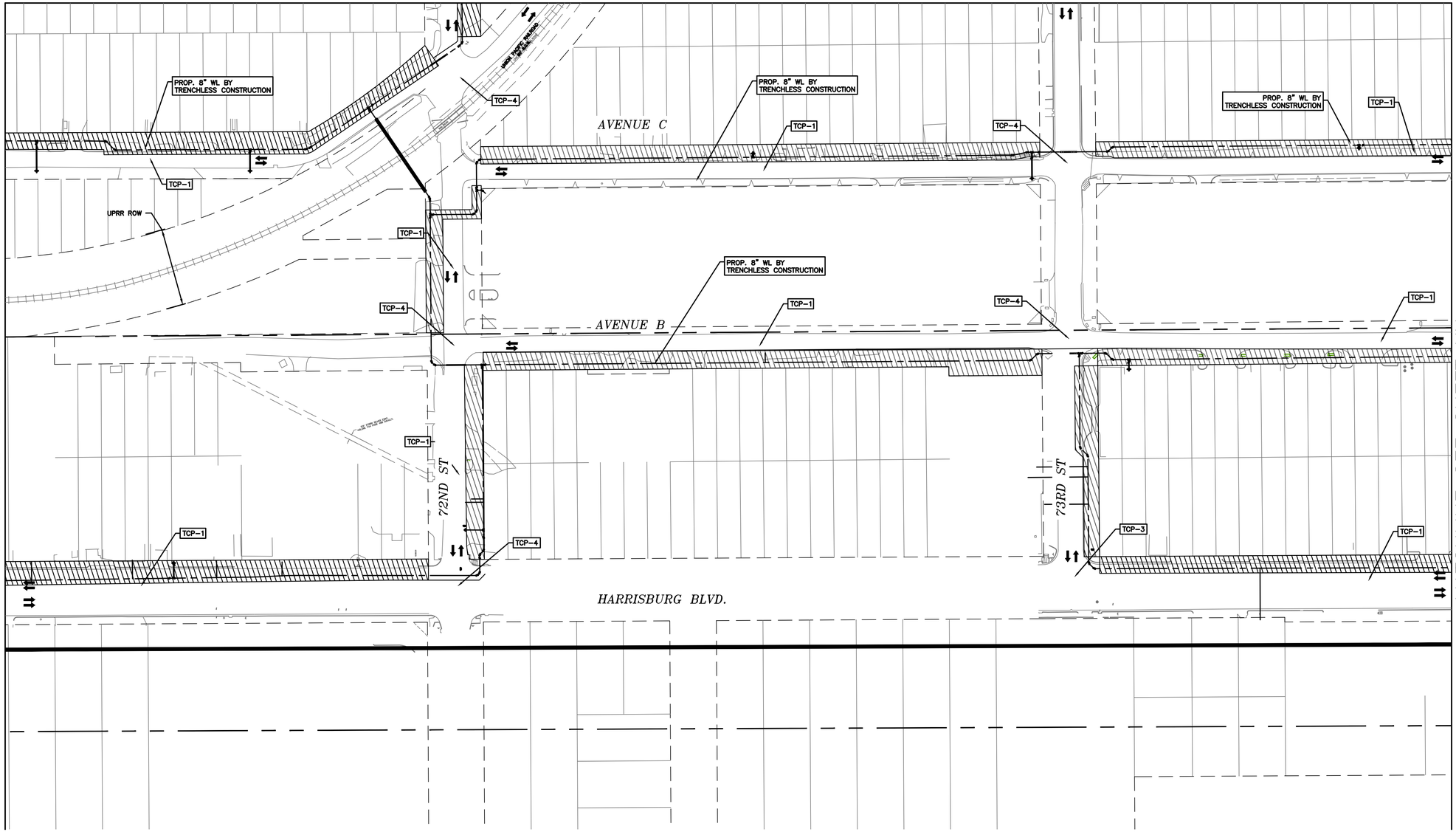

N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP-1 TCP-2 TCP-3 TCP-4 TCP-5
TCP-6 TCP-7 TCP-8 TCP-10

LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
- TCP-2 TYPICAL TRAFFIC CONTROL PLAN DETOUR WITH ONE LANE CLOSURE, SEE TCP-2
- TCP-3 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR TEE INTERSECTION, SEE TCP-3
- TCP-4 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR INTERSECTION, SEE TCP-4
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- PROJECT BOUNDARY
- SCHOOL ZONE
- COMMERCIAL ZONE
- TXDOT ROW AREA
- UPRR ROW AREA

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LANDTECH, INC.
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN

(SHEET 9 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 247 OF 318	

PLOTTED: 12/12/2025 6:06 PM

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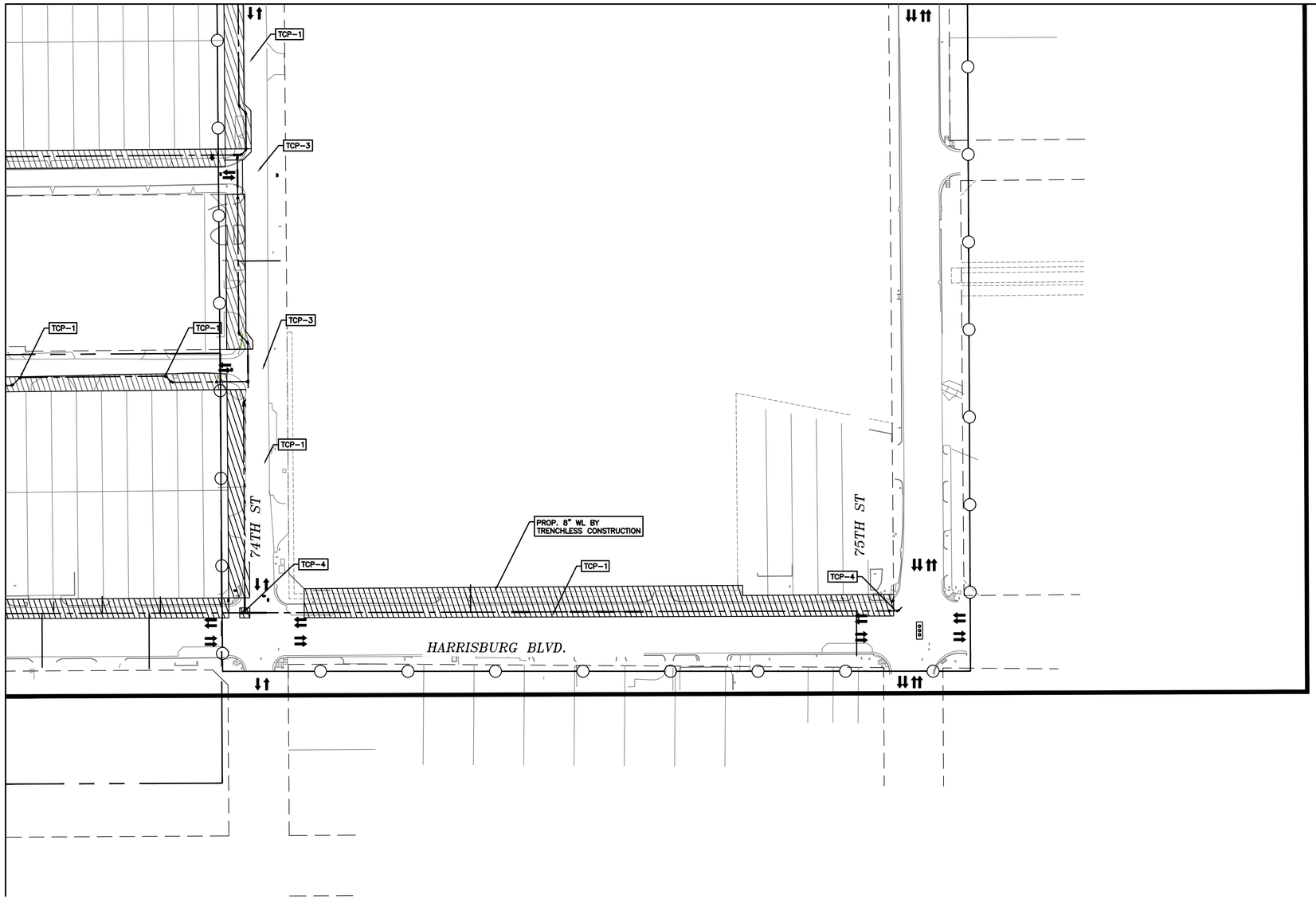
MATCHLINE SEE SHEET 249

MATCHLINE SEE SHEET 249



N

60' 0' 60'

SCALE 1"=60'

NO.	DATE	REVISION	APP.

TCP 1 TCP 2 TCP 3 TCP 4 TCP 5
TCP 6 TCP 7 TCP 8 TCP 9

LEGEND:

- TCP-1 TYPICAL TRAFFIC CONTROL PLAN WITH ONE LANE CLOSURE, SEE TCP-1
- TCP-2 TYPICAL TRAFFIC CONTROL PLAN DETOUR WITH ONE LANE CLOSURE, SEE TCP-2
- TCP-3 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR TEE INTERSECTION, SEE TCP-3
- TCP-4 TYPICAL TRAFFIC CONTROL PLAN FLAGGER OPERATION FOR INTERSECTION, SEE TCP-4
- TCP-5 TYPICAL TRAFFIC CONTROL PLAN LAYOUT, SEE TCP-5
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

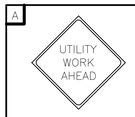
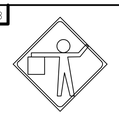
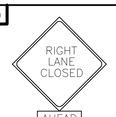
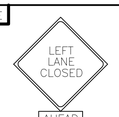
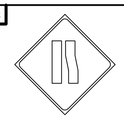
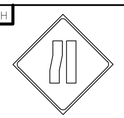
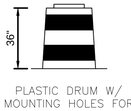
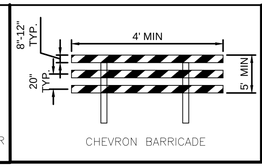
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN

(SHEET 10 OF 10)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 248 OF 318	

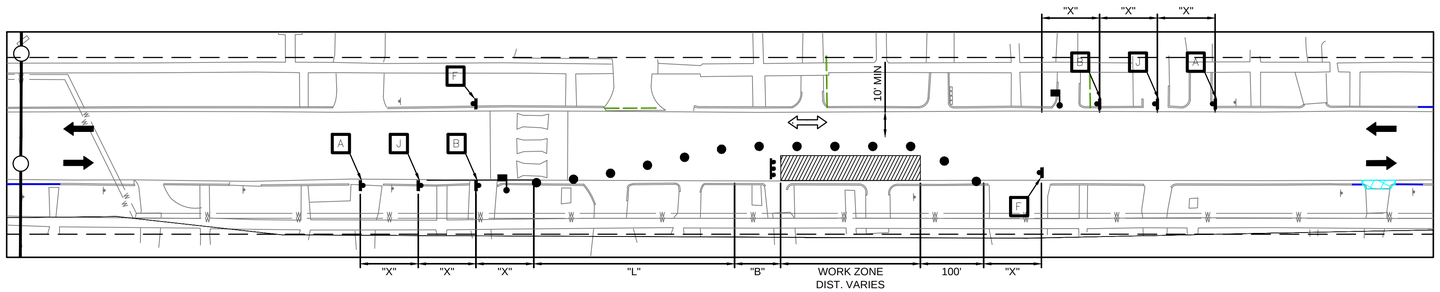
PLOTTED: 12/12/2025 2:09 PM

A	B	D	E	F	G	H	J	CHEVRON			
											
CW21-7D 48 X 48	CW20-7 36 X 36	CW20-5(2) CW16-3	CW20-5(1) CW16-3	G20-2A 48 X 24	CW4-2R 36 X 36	CW4-2L 36 X 36	CW20-4D 48 X 48	CW21-8 18 X 24	VP-1 8"-12"	PLASTIC DRUM W/ MOUNTING HOLES FOR VERTICAL PANEL	CHEVRON BARRICADE

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY
- OFF DUTY POLICE OFFICER

NO.	DATE	REVISION	APP.

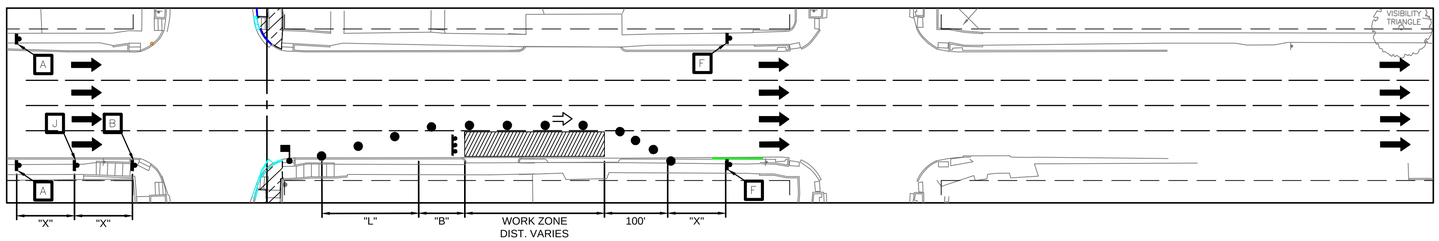


1. TYPICAL ONE LANE CLOSURE

RESIDENTIAL (TWO WAY)

2. TYPICAL ONE LANE CLOSURE

UPRR (TWO WAY)



3. TYPICAL ONE LANE CLOSURE

COMMERCIAL/TXDOT (ONE WAY)

LENGTH FOR LONGITUDINAL BUFFER		SPACING FOR CHANNELIZING DEVICES						
POSTED SPEED (MPH)	LENGTH IN FEET "B"			MIN. DESIRABLE TAPER LENGTH "L"			SUGGESTED MAXIMUM SPACING OF DEVICE	
		POSTED SPEED (MPH)	SIGN SPACING "X"	10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT
20	35	30	120'	150'	165'	10'	30'	60'–75'
25	55	35	160'	205'	225'	245'	35'	70'–90'
30	85	40	240'	265'	295'	320'	40'	80'–100'
35	120	45	320'	450'	495'	540'	45'	90'–100'
40	170	50	400'	500'	550'	600'	50'	100'–125'
45	220	55	500'	550'	605'	660'	55'	110'–140'
50	280							
55	335							

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SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN
ONE LANE CLOSURE DETAILS

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 249 OF 318	

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-TCP-DETAILS LAYOUT.dwg

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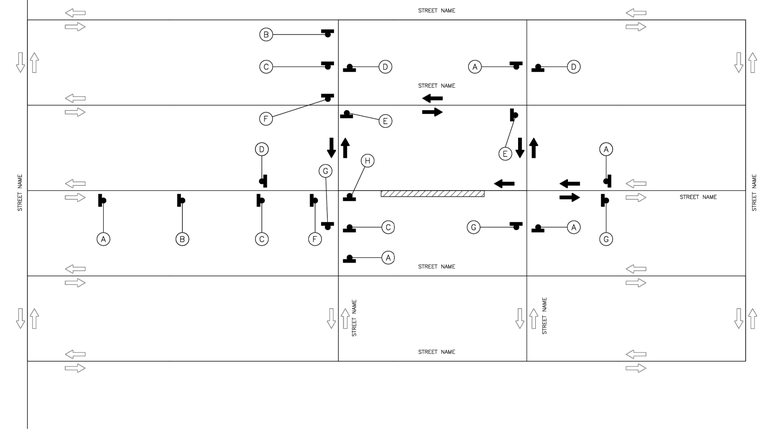
A	B	C	D	E	F	G	H
ROAD WORK AHEAD	ROAD CLOSED AHEAD	DETOUR AHEAD	END ROAD WORK	STREET NAME DETOUR →	STREET NAME DETOUR ←	END DETOUR	STREET NAME DETOUR ↑
CW20-1	CW20-3	CW20-2	G20-2	M4-9R	M4-9L	M4-8o	M4-9T



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

APPROVED BY:	APPROVED BY:
Signed by: Sahil Kanwar	Signed by: Ishtiaq Hussain
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Signed by: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-03

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

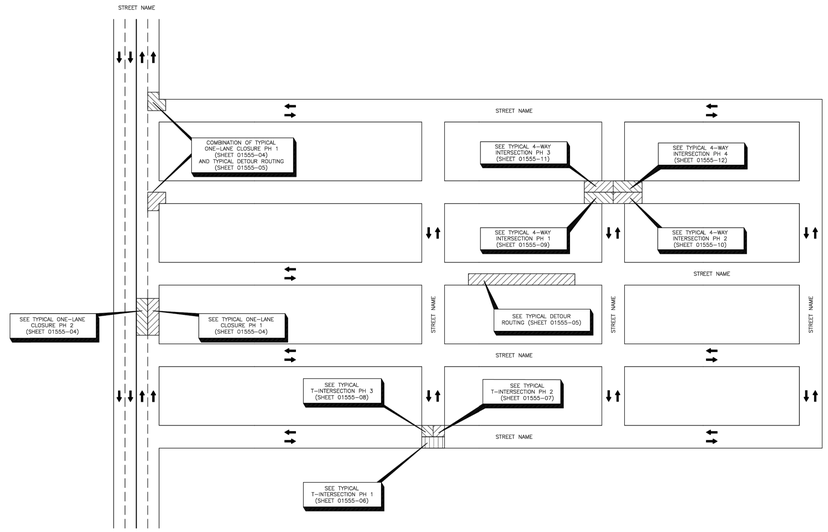
TRAFFIC CONTROL LAYOUT

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. IN THE EVENT OF A CONFLICT BETWEEN A REQUIREMENT ON THIS STANDARD AND A REQUIREMENT OF THE TEXAS MUTCD, THE MUTCD SHALL GOVERN. IN THE EVENT OF A CONFLICT BETWEEN A REQUIREMENT ON THIS STANDARD AND A REQUIREMENT OF ANY OTHER CITY STANDARD, THIS STANDARD SHALL GOVERN. IF PRIOR TO OR DURING THE DESIGN OR CONSTRUCTION PHASE USE ACCEPTS RESPONSIBILITY FOR THEIR ACTIONS TO MINIMIZE ACCIDENT AND SAFETY RISKS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THESE AS CONSTRUCTION PLANS ACCEPTS RESPONSIBILITY FOR THEIR ACTIONS TO MINIMIZE ACCIDENT AND SAFETY RISKS ASSOCIATED WITH THEIR USE.

DocuSign Envelope ID: CB71C116-B716-4886-A5EE-002F2CC65AF8



DISCLAIMER:
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APPROVED BY:	APPROVED BY:
Signed by: Sahil Kanwar	Signed by: Ishtiaq Hussain
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Signed by: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-02

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP OVERALL TRAFFIC CONTROL LAYOUT

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 1 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: NTS VERT: NTS	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 250 OF 318	

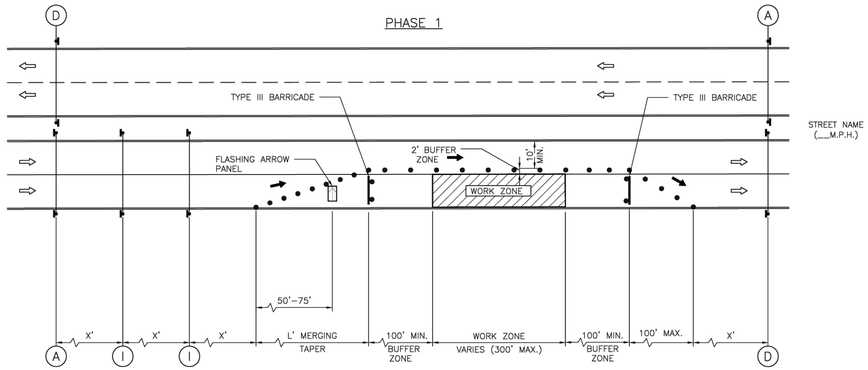
PLOTTED: 12/12/2025 3:53 PM
FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-TCP-DETAILS.dwg

PLOTTED: 12/12/2025 2:11 PM

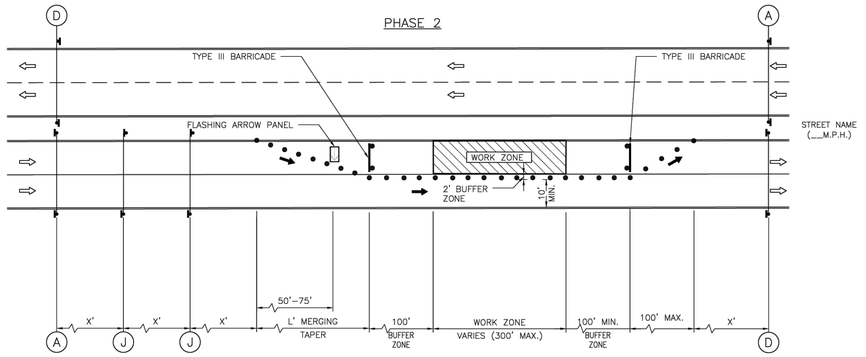
DocuSign Envelope ID: CB71C116-B716-4899-A5EE-0D2F2CC55AF6

A	D	I	J
ROAD WORK AHEAD CW20-1	END ROAD WORK G20-2	RIGHT LANE CLOSED AHEAD CW20-5(2) CW16-3	LEFT LANE CLOSED AHEAD CW20-5(1) CW16-3

PHASE 1



PHASE 2



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY
- OFF DUTY POLICE OFFICER

NOTES:

1. RETURN TAPERS AND DOWNSTREAM BARRICADES ARE OPTIONAL ON A DIVIDED ROADWAY SECTION.
2. DOUBLE SIGNS SHALL BE USED ONLY ON ROADWAYS WITH MEDIANS.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.

APPROVED BY:	APPROVED BY:
DocuSigned by: Salad Kanwar	DocuSigned by: HANG NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-04

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP ONE LANE CLOSURE
PHASE 1 & 2

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 2 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 251 OF 318	

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY; NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.0-PD-TCP-DETAILS.dwg

DocuSign Envelope ID: CB71C116-B716-4899-A0EE-002F3CC554F6

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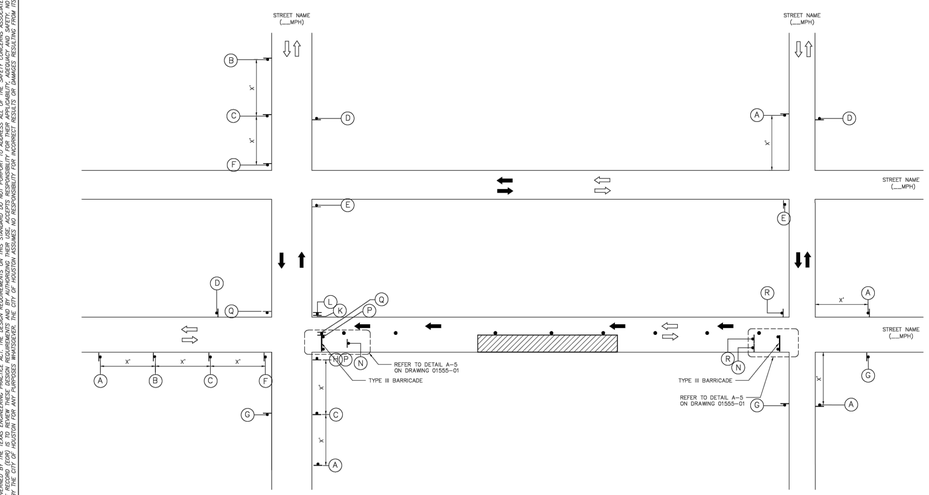
CW20-1	CW20-3	CW20-2	G20-2	M4-9R	M4-9L	M4-8a	M4-9T	CW20-5(L) CW16-3	CW20-5(L) CW16-3

K	L	M	N	O	P	Q	R
R6-2(L)	R6-2(R)	R5-1	R11-2	M4-10(L)	R3-1	R3-2	R6-6



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY.

NOTES:

1. A 10' MINIMUM LANE WIDTH FOR EMERGENCY SHALL BE MADE AVAILABLE AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
2. FOR DIMENSIONS REFER TO SHEET 01555-01.
3. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.

APPROVED BY:	APPROVED BY:
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY:	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-05

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL DETOUR ROUTING WITH ONE LANE CLOSURE (ONE BLOCK)

FOR CITY OF HOUSTON USE ONLY

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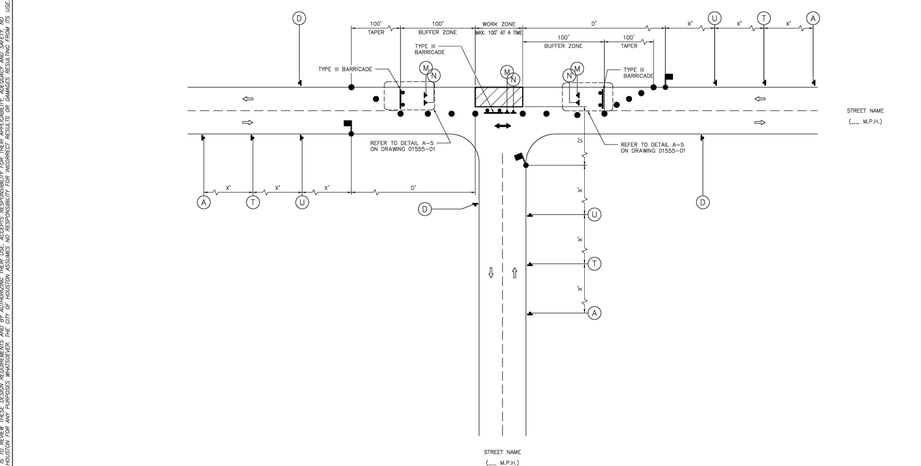

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY:	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-06

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A T-INTERSECTION PHASE 1 OF 3

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 3 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
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HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 252 OF 318	

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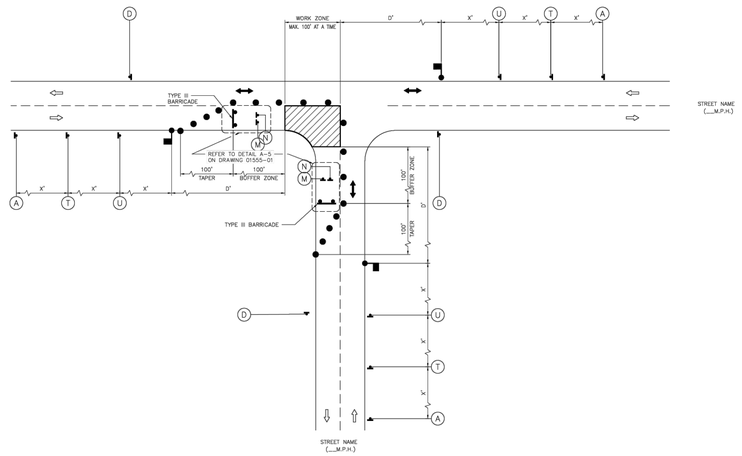
ROAD WORK AHEAD	ONE LANE ROAD AHEAD		END ROAD WORK	DO NOT ENTER	ROAD CLOSED
CW20-1	CW20-4	CW20-7	G20-2	R5-1	R11-2



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APPROVED BY:	APPROVED BY:
Salad Tawasar	Ishaq Hafeez
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-07

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A T-INTERSECTION PHASE 2 OF 3

FOR CITY OF HOUSTON USE ONLY
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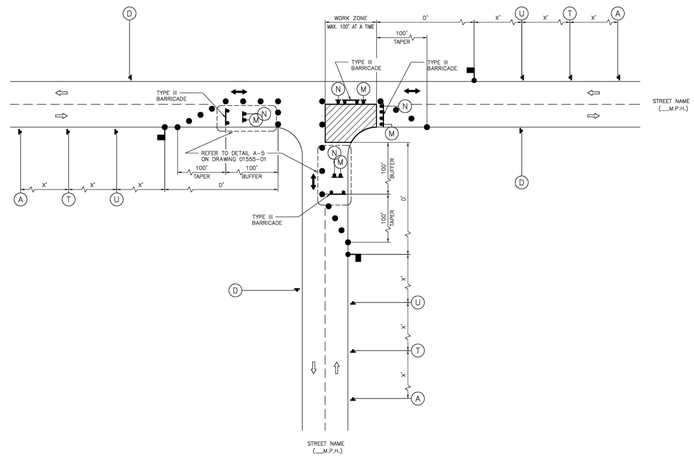

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APPROVED BY:	APPROVED BY:
Salad Tawasar	Ishaq Hafeez
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-08

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A T-INTERSECTION PHASE 3 OF 3

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 4 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 253 OF 318	

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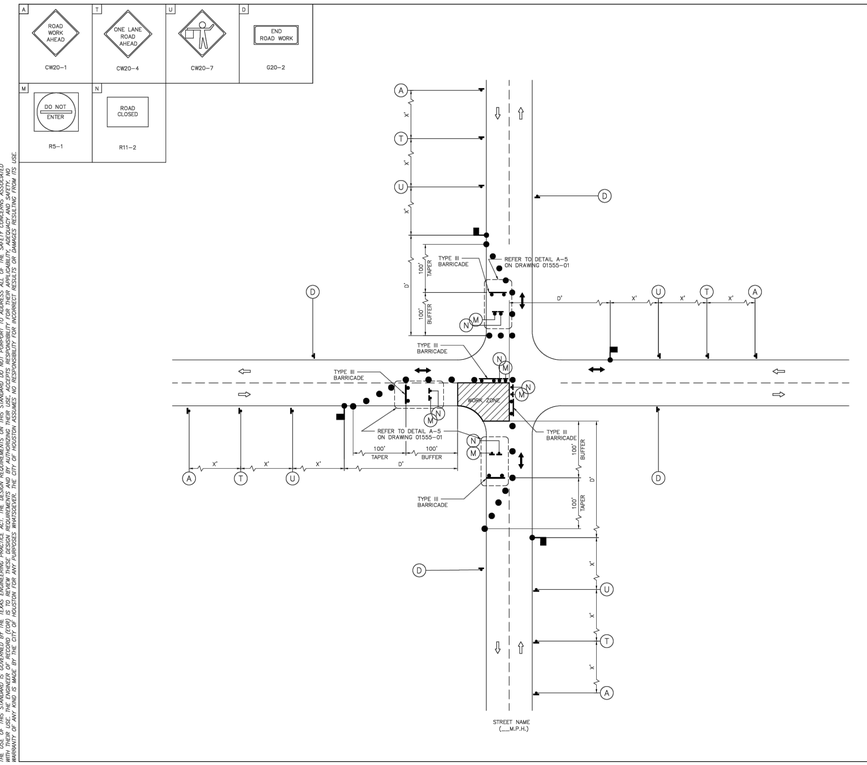

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APPROVED BY:	APPROVED BY:
Salud Ibarzabal	Heng Hazlip
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-09

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 1 OF 4

FOR CITY OF HOUSTON USE ONLY

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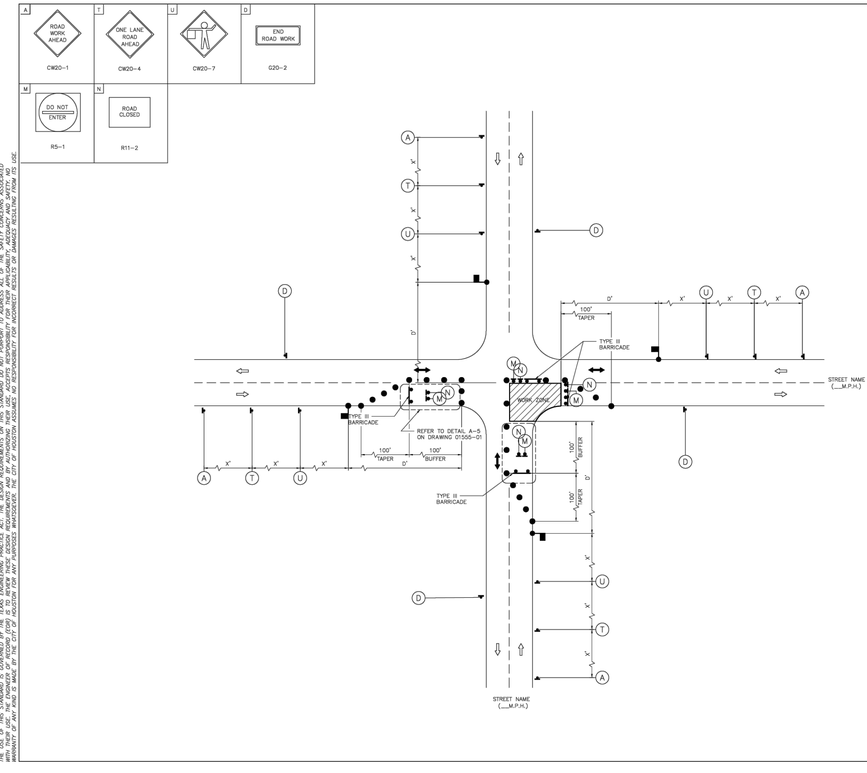

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APPROVED BY:	APPROVED BY:
Salud Ibarzabal	Heng Hazlip
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-10

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 2 OF 4

FOR CITY OF HOUSTON USE ONLY

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RESPONSIBLE ENGINEER:
ANDRES BEDDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 5 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
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SHEET NO. 254 OF 318	

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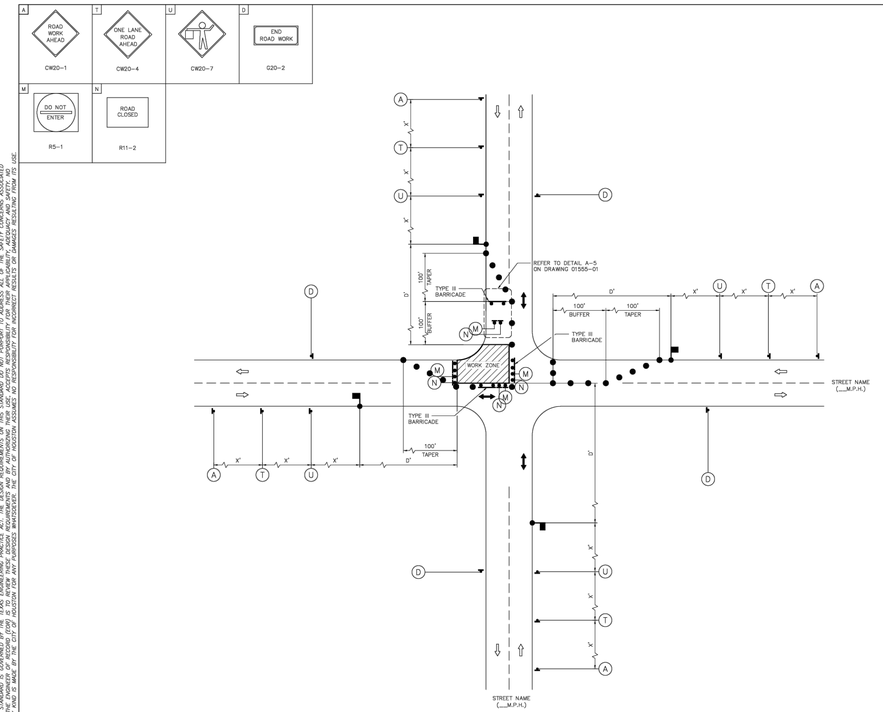

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APPROVED BY:	APPROVED BY:
Salad Fakouhi	Hadis Nafisi
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-11

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 3 OF 4

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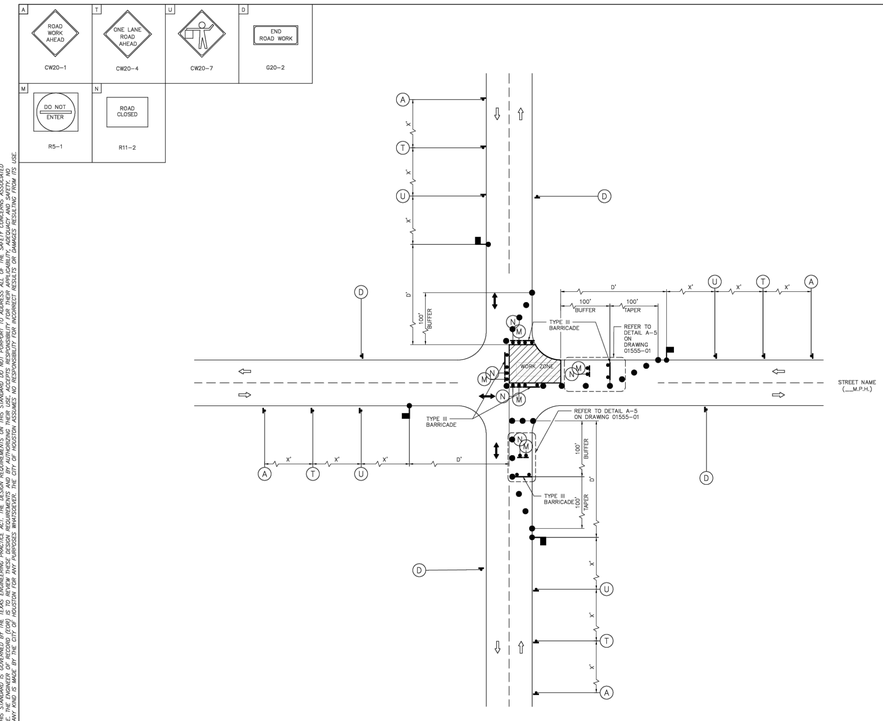

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APPROVED BY: Salad Fakouhi — CITY ENGINEER
APPROVED BY: Hadis Nafisi — CITY TRAFFIC ENGINEER
APPROVED BY: Carol Haddock — DIRECTOR OF HOUSTON PUBLIC WORKS
EFF DATE: NOV-27-2023
DWG NO: 01555-11

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 4 OF 4

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NOT TO SCALE

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 6 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 255 OF 318	

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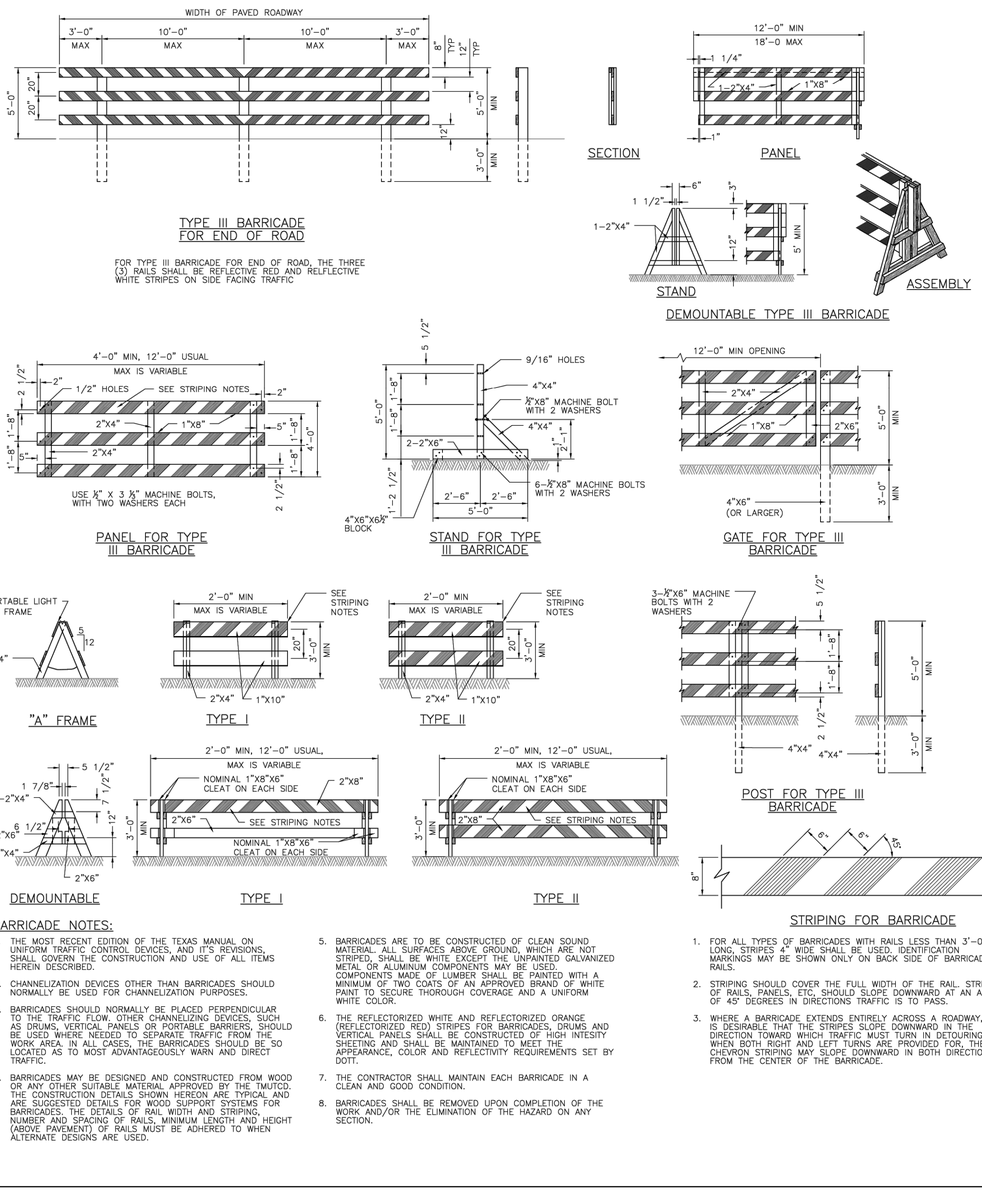


TYPE III BARRICADE FOR END OF ROAD

FOR TYPE III BARRICADE FOR END OF ROAD, THE THREE (3) RAILS SHALL BE REFLECTIVE RED AND RELFLECTIVE WHITE STRIPES ON SIDE FACING TRAFFIC

DEMOUNTABLE TYPE III BARRICADE

PANEL FOR TYPE III BARRICADE

STAND FOR TYPE III BARRICADE

GATE FOR TYPE III BARRICADE

"A" FRAME

TYPE I

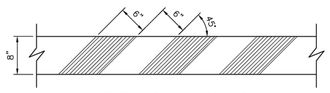
TYPE II

POST FOR TYPE III BARRICADE

DEMOUNTABLE

TYPE I

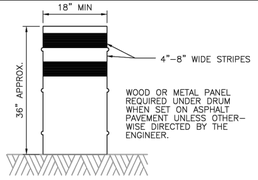
TYPE II



STRIPING FOR BARRICADE

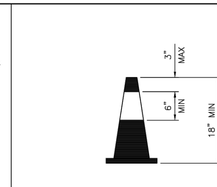
BARRICADE NOTES:

1. THE MOST RECENT EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND IT'S REVISIONS, SHALL GOVERN THE CONSTRUCTION AND USE OF ALL ITEMS HEREIN DESCRIBED.
2. CHANNELIZATION DEVICES OTHER THAN BARRICADES SHOULD NORMALLY BE USED FOR CHANNELIZATION PURPOSES.
3. BARRICADES SHOULD NORMALLY BE PLACED PERPENDICULAR TO THE TRAFFIC FLOW. OTHER CHANNELIZING DEVICES, SUCH AS DRUMS, VERTICAL PANELS OR PORTABLE BARRIERS, SHOULD BE USED WHERE NEEDED TO SEPARATE TRAFFIC FROM THE WORK AREA. IN ALL CASES, THE BARRICADES SHOULD BE SO LOCATED AS TO MOST ADVANTAGEOUSLY WARN AND DIRECT TRAFFIC.
4. BARRICADES MAY BE DESIGNED AND CONSTRUCTED FROM WOOD OR ANY OTHER SUITABLE MATERIAL APPROVED BY THE TMUTCD. THE CONSTRUCTION DETAILS SHOWN HEREON ARE TYPICAL AND ARE SUGGESTED DETAILS FOR WOOD SUPPORT SYSTEMS FOR BARRICADES. THE DETAILS OF RAIL WIDTH AND STRIPING, NUMBER AND SPACING OF RAILS, MINIMUM LENGTH AND HEIGHT (ABOVE PAVEMENT) OF RAILS MUST BE ADHERED TO WHEN ALTERNATE DESIGNS ARE USED.
5. BARRICADES ARE TO BE CONSTRUCTED OF CLEAN SOUND MATERIAL. ALL SURFACES ABOVE GROUND, WHICH ARE NOT STRIPED, SHALL BE WHITE EXCEPT THE UNPAINTED GALVANIZED METAL OR ALUMINUM COMPONENTS MAY BE USED. COMPONENTS MADE OF LUMBER SHALL BE PAINTED WITH A MINIMUM OF TWO COATS OF AN APPROVED BRAND OF WHITE PAINT TO SECURE THOROUGH COVERAGE AND A UNIFORM WHITE COLOR.
6. THE REFLECTORIZED WHITE AND RELECTORIZED ORANGE (REFLECTORIZED RED) STRIPES FOR BARRICADES, DRUMS AND VERTICAL PANELS SHALL BE CONSTRUCTED OF HIGH INTESITY SHEETING AND SHALL BE MAINTAINED TO MEET THE APPEARANCE, COLOR AND RELFECTIVITY REQUIREMENTS SET BY DOTT.
7. THE CONTRACTOR SHALL MAINTAIN EACH BARRICADE IN A CLEAN AND GOOD CONDITION.
8. BARRICADES SHALL BE REMOVED UPON COMPLETION OF THE WORK AND/OR THE ELIMINATION OF THE HAZARD ON ANY SECTION.



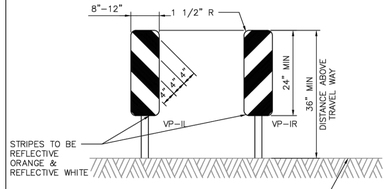
DRUMS

1. DRUMS, SET ON END, AND USED FOR TRAFFIC WARNING OR CHANNELIZATION SHALL BE APPROX 36" IN HEIGHT AND A MIN OF 18" IN DIAMETER. THE CONTRACTOR, AT HIS OPTION, MAY USE DRUMS MADE FROM STEEL BARRELS OR BLACK POLYETHYLENE PLASTIC DRUM LINERS WEIGHING APPROX EIGHT POUNDS EACH. THE MARKINGS ON DRUMS SHALL BE HORIZONTAL, CIRCUMFERENTIAL, REFLECTORIZED ORANGE AND REFLECTORIZED WHITE STRIPES, 4 TO 8 INCHES WIDE. THE FIRST REFLECTORIZED STRIPE SHOULD START WITHIN TWO (2) INCHES OF THE TOP OF THE DRUM. THERE SHALL BE AT LEAST TWO ORANGE AND TWO WHITE STRIPES ON EACH DRUM. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES, THEY SHALL BE NO MORE THAN 2 INCHES WIDE. METAL DRUMS SHALL BE PAINTED BLACK OR ORANGE BEFORE REFLECTORIZED STRIPES ARE ADDED. ALL DRUMS ON PROJECT WILL BE THE SAME COLOR. WHEN DRUMS ARE PLACED IN THE ROADWAY, APPROPIATE WARNING SIGNS SHOULD BE USED. DURING HOURS OF DARKNESS, A FLASHING WARNING LIGHT SHOULD BE PLACED ON DRUMS USED SINGLY AS A WARNING DEVICE. STEADY BURN ELECTRIC LIGHTS OR DELINEATORS SHOULD BE PLACED ON DRUMS USED IN SERIES FOR TRAFFIC CHANNELIZATION. DRUMS SHALL BE WEIGHTED WITH SAND TO THE EXTENT INDICATED IN THE PLANS.
2. CWI-8 CHEVRON SIGNS, CWI-6A ARROW SIGNS OR VP-I VERTICAL PANELS MOUNTED ABOVE DRUMS MAY BE USED AS SUPPLEMENTS TO DRUM DELINEATION.



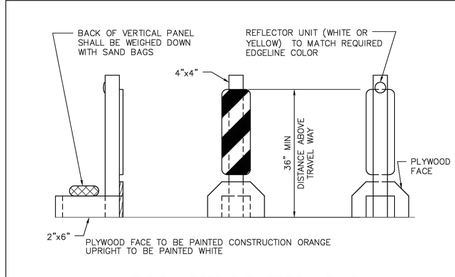
CONES

1. TRAFFIC CONES AND TUBULAR MARKERS SHALL BE A MIN OF 18" INCHES IN HEIGHT WITH A BROADENED BASE AND MAY BE MADE OF VARIOUS MATERIALS TO WITHSTAND IMPACT WITHOUT DAMAGE TO THEMSELVES OR TO VEHICLES. LARGER SIZES SHOULD BE USED ON FREEWAYS AND OTHER ROADWAYS WHERE SPEED ARE RELATIVELY HIGH OR WHERE EVER MORE CONSPICUOUS GUIDANCE IS NEEDED. ORANGE SHALL BE THE PREDOMINANT COLOR ON CONES AND TUBULAR MARKERS. THEY SHOULD BE KEPT CLEAN AND BRIGHT FOR MAX TARGET VALUE. FOR NIGHT TIME USE THEY SHALL BE REFLECTORIZED OR EQUIPPED WITH LIGHTING DEVICES FOR MAX VISIBILITY. REFLECTORIZED MATERIAL SHALL HAVE A SMOOTH, SEALED OUTER SURFACE WHICH WILL DISPLAY THE SAME APPROX COLOR DAY AND NIGHT.
2. REFLECTORIZATION OF TUBULAR MARKERS SHALL BE A MIN OF TWO THREE-INCH BANDS PLACED A MAX OF 2" FROM THE TOP WITH A MAX OF 6" BETWEEN THE BANDS. REFLECTORIZATION OF CONES SHALL BE PROVIDED BY A MIN 6" BAND PLACED A MAX OF 3" FROM THE TOP.
3. CONES OR TUBULAR MARKERS ARE GENERALLY ONLY SUITABLE FOR TEMPORARY USAGE (UP TO 8 HOURS) WITH OTHER CHANNELIZATION DEVICES SUCH AS VERTICAL PANELS OR BARRICADES. PREFERRED FOR LONGER TERM USAGE. CARE SHOULD BE TAKEN TO INSURE THAT THEY REMAIN IN THEIR PROPER LOCATION AND IN AN UPRIGHT POSITION.



VERTICAL PANELS (VP)

VERTICAL PANELS ARE NORMALLY USED AS CHANNELIZING DEVICES TO INDICATE TANGENT OR NEARLY TANGENT ROADWAY ALIGNMENT WHERE GOOD TARGET VALUE OF A DEVICE IS NEEDED IN DAYTIME AS WELL AS THE NIGHTTIME. IN ADDITION, VERTICAL PANELS SHOULD BE USED AT THE EDGE OF SHOULDER DROP-OFFS AND OTHER SUCH AREAS AS LANE TRANSITIONS WHERE POSITIVE DAY AND NIGHT DELINEATION MAY BE REQUIRED. VERTICAL PANELS SHOULD BE MOUNTED BACK TO BACK IF USED AT THE EDGE OF CUTS ADJACENT TO TWO-WAY TWO LANE ROADWAYS. STRIPES SHOULD ALWAYS SLOPE DOWNWARD TOWARD THE TRAVELED WAY.



TYPICAL PORTABLE VERTICAL PANEL OR DELINEATOR

OTHER SIMILAR SUPPORTS MAY BE USED WHEN APPROVED BY TMUTCD AND DIRECTED BY THE CITY OF HOUSTON.

APPROVED BY:	APPROVED BY:
DocuSigned by: Suhail Kanwar	DocuSigned by: KHANG NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carol Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-14

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

BARRICADE AND CHANNELIZING DEVICES

	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	
NOT TO SCALE	

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL PLAN STANDARD DETAILS

(SHEET 7 OF 7)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 256 OF 318	

NO.	DATE	REVISION	APP.

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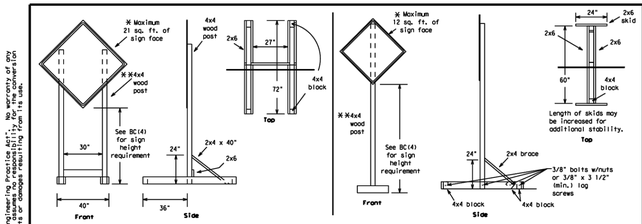
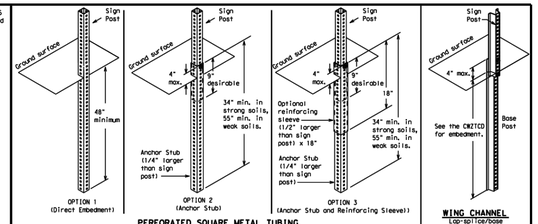


SKID MOUNTED WOOD SIGN SUPPORTS

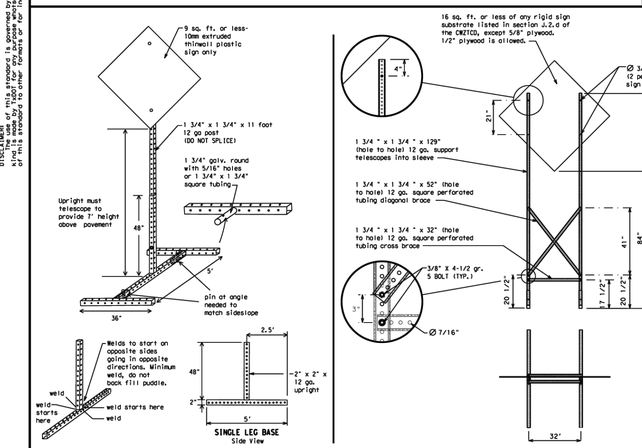
* LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS



PERFORATED SQUARE METAL TUBING

GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.



SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS

* LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS

WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).

OTHER DESIGNS

MORE DETAILS OF APPROVED LONG/INTERMEDIATE AND SHORT TERM SUPPORTS CAN BE FOUND ON THE CWZTCD LIST. SEE BC(1) FOR WEBSITE LOCATION.

GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 1 1/2" lag screws must be used on every joint for final connection.
2. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
3. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

* See BC(4) for definition of "Work Duration."

** Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

☐ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

SHEET 5 OF 12

Texas Department of Transportation | Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

BC(5)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				
9-07 8-14	DIST	COUNTY		SHEET NO.
7-13 5-21				

DATE:
FILE:

WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGNS

1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
2. Messages on PCMS should contain no more than 8 words (about four to eight characters per word), not including simple words such as "TO," "FOR," "AT," etc.
3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
4. Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP."
5. Always use the route or Interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
6. When in use, the bottom of a stationary PCMS message panel should be a minimum 7 feet above the roadway, where possible.
7. The message term "WEEKEND" should be used only if the work is to start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work is to begin on Friday evening and/or continue into Monday morning.
8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
9. Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
10. Do not present redundant information on a two-phase messages; i.e., keeping two lines of the message the same and changing the third line.
11. Do not use the word "Danger" in message.
12. Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT" on a PCMS. Drivers do not understand the message.
13. Do not display messages that scroll horizontally or vertically across the face of the sign.
14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PCMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated, unless shown in the TMUTCD.
15. PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 600 feet at night and 800 feet in daylight. Truck mounted units must have a character height of 10 inches and must be legible from at least 400 feet.
16. Each line of text should be centered on the message board rather than left or right justified.
17. If disabled, the PCMS should default to an illegible display that will not alarm motorists and will only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

WORD OR PHRASE	ABBREVIATION
Access Road	ACCS RD
Alternate	ALT
Avenue	AVE
Best Route	BEST RTE
Boulevard	BLVD
Bridge	BRDG
Cannot	CANT
Center	CTR
Construction Ahead	CONST AHD
CROSSING	XING
Detour Route	DETOUR RTE
Do Not	DONT
East	E
Eastbound	(route) E
Emergency	EMER
Emergency Vehicle	EMER VEH
Entrance, Enter	ENT
Express Lane	EXP LN
Expressway	EXPWY
XXXX Feet	XXXX FT
Fog Ahead	FOG AHD
Freeway	FRWY, FWY
Freeway Blocked	FRY BLKD
Friday	FRI
Hazardous Driving	HAZ DRIVING
Hazardous Material	HAZMAT
High-Occupancy Vehicle	HOV
Highway	HWY
Hour(s)	HR, HRS
Information	INFO
It Is	ITS
Junction	JCT
Left	LFT
Left Lane	LFT LN
Lane Closed	LN CLOSED
Lower Level	LWR LEVEL
Maintenance	MAINT

WORD OR PHRASE	ABBREVIATION
Major	MAJ
Miles	MI
Miles Per Hour	MPH
Minor	MNR
Monday	MON
Normal	NORM
North	N
Northbound	(route) N
Parking	PKING
Road	RD
Right Lane	RT LN
Saturday	SAT
Service Road	SERV RD
Shoulder	SHLDR
Slippery	SLIP
South	S
Southbound	(route) S
Speed	SPD
Street	ST
Sunday	SUN
Telephone	PHONE
Temporary	TEMP
Thursday	THURS
To Downtown	TO DWNTN
Traffic	TRAF
Travelers	TRVLRS
Tuesday	TUES
Time Minutes	TIME MIN
Upper Level	UPR LEVEL
Vehicles (s)	VEH, VEHS
Warning	WARN
Wednesday	WED
Weight Limit	WT LIMIT
West	W
Westbound	(route) W
Wet Pavement	WET PVMT
Will Not	WONT

Roadway designation * IH-number, US-number, SH-number, FM-number

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Phase 1: Condition Lists

Road/Lane/Ramp Closure List		Other Condition List		
FREEWAY CLOSED X MILE	FRONTAGE ROAD CLOSED	ROADWORK XXX FT	ROAD REPAIRS XXXX FT	
ROAD CLOSED AT SH XXX	SHOULDER CLOSED XXX FT	FLAGGER XXXX FT	LANE NARROWS XXXX FT	
ROAD CLSD AT FM XXXX	RIGHT LN CLOSED XXX FT	RIGHT LN NARROWS XXXX FT	TWO-WAY TRAFFIC XX MILE	
RIGHT X LANES CLOSED	RIGHT X LANES OPEN	MERGING TRAFFIC XXXX FT	CONST TRAFFIC XXX FT	
CENTER LANE CLOSED	DAYTIME LANE CLOSURES	LOOSE GRAVEL XXXX FT	UNEVEN LANES XXXX FT	
NIGHT LANE CLOSURES	I-XX SOUTH EXIT CLOSED	DETOUR X MILE	ROUGH ROAD XXXX FT	
VARIOUS LANES CLOSED	EXIT XXX CLOSED X MILE	ROADWORK PAST SH XXXX	ROADWORK NEXT FRI-SUN	
EXIT CLOSED	RIGHT LN TO BE CLOSED	BUMP XXXX FT	US XXX EXIT X MILES	
MALL DRIVEWAY CLOSED	X LANES CLOSED TUE - FRI	TRAFFIC SIGNAL XXXX FT	LANES SHIFT *	
XXXXXXX BLVD CLOSED				

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

Phase 2: Possible Component Lists

Action to Take/Effect on Travel List	Location List	Warning List	** Advance Notice List
MERGE RIGHT	FORM X LINES RIGHT	SPEED LIMIT XX MPH	TUE-FRI XX AM- X PM
DETOUR NEXT X EXITS	USE XXXXX RD EXIT	MAXIMUM SPEED XX MPH	APR XX-XX X PM-X AM
USE EXIT XXX	USE EXIT I-XX NORTH	MINIMUM SPEED XX MPH	BEGINS MONDAY
STAY ON US XXX SOUTH	USE I-XX E TO I-XX N	ADVISORY SPEED XX MPH	BEGINS MAY XX
TRUCKS USE US XXX N	WATCH FOR TRUCKS	RIGHT LANE EXIT	MAY X-X XX PM - XX AM
WATCH FOR TRUCKS	EXPECT DELAYS	USE CAUTION	NEXT FRI-SUN
EXPECT DELAYS	PREPARE TO STOP	DRIVE SAFELY	XX AM TO XX PM
REDUCE SPEED XXX FT	END SHOULDER USE	DRIVE WITH CARE	NEXT TUE AUG XX
USE OTHER ROUTES	WATCH FOR WORKERS		TONIGHT XX PM- XX AM
STAY IN LANE *			

** See Application Guidelines Note 6.

APPLICATION GUIDELINES

1. Only 1 or 2 phases are to be used on a PCMS.
2. The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
3. A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice Phase Lists".
4. A Location Phase is necessary only if a distance or location is not included in the first phase selected.
5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases, and should be understandable by themselves.
6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work.

WORDING ALTERNATIVES

1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.
2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
4. Highway names and numbers replaced as appropriate.
5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
6. AHEAD may be used instead of distances if necessary.
7. FT and MI, MILE and MILES interchanged as appropriate.
8. AT, BEFORE and PAST interchanged as needed.
9. Distances or AHEAD can be eliminated from the message if a location phase is used.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4') FEET LATERAL CLEARANCE TO TRAFFIC. PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.

FULL MATRIX PCMS SIGNS

1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
2. When symbol signs, such as the "Flagger Symbol" (CW20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above.
3. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not substitute for, or replace that sign.
4. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow.

SHEET 6 OF 12

Texas Department of Transportation | Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

BC(6)-21

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL
TXDOT STANDARD DETAILS

SHEET (1 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 257 OF 318	

NO.	DATE	REVISION	APP.

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BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. The development and design of the Traffic Control Plan (TCP)is the responsibility of the Engineer.
3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.
4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.
5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.
6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.
7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.
8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.
9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.
10. Where highway construction or maintenance work is being undertaken, other than mobile operations as defined by the Texas Manual on Uniform Traffic Control Devices, CSJ limit signs are required. CSJ limit signs are shown on BC(2). The OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits. For mobile operations, CSJ limit signs are not required.
11. Traffic control devices should be in place only while work is actually in progress or a definite need exists.
12. The Engineer has the final decision on the location of all traffic control devices.
13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY NOTES:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.
2. Except in emergency situations, flagger stations shall be illuminated when flagging is used at night.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES

1. Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources.
2. Work zone traffic control devices shall be compliant with the Manual for Assessing safety Hardware (MASH).

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS

SHEET 1 OF 12

Texas Department of Transportation | Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

BC(1)-21

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5-10 5-21					

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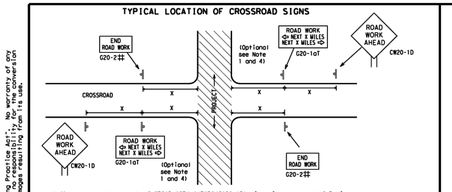
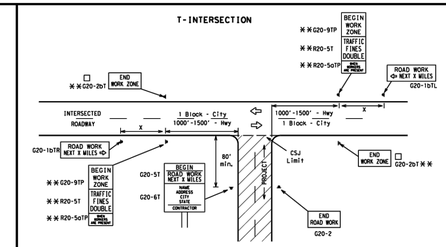
TYPICAL LOCATION OF CROSSROAD SIGNS



‡‡ May be mounted on back of "ROAD WORK AHEAD"(CW20-1D) sign with approval of Engineer. (See note 2 below)

1. The typical minimum signing on a crossroad approach should be a "ROAD WORK AHEAD" (CW20-1D)sign and a (G20-21 "END ROAD WORK" sign, unless noted otherwise in plans.
2. The Engineer may use the reduced size 36" x 36" ROAD WORK AHEAD (CW20-1D) sign mounted back to back with the reduced size 36" x 18" "END ROAD WORK"(G20-21 sign on low volume crossroads (see Note 4 under "Typical Construction Warning Sign Size and Spacing"). See the "Standard Highway Sign Designs for Texas" manual for sign details. The Engineer may omit the advance warning signs on low volume crossroads. The Engineer will determine whether a road is low volume as per TMUTCD Part 5. This information shall be shown in the plans.
3. Based on existing field conditions, the Engineer/Inspector may require additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs. When additional signs are required, these signs will be considered part of the minimum requirements. The Engineer/Inspector will determine the proper location and spacing of any sign not shown on the BC sheets, Traffic Control Plan sheets or the Work Zone Standard Sheets.
4. The "ROAD WORK NEXT X MILES"(G20-1o)sign shall be required at high volume crossroads to advise motorists of the length of construction in either direction from the intersection. The Engineer will determine whether a roadway is considered high volume.
5. Additional traffic control devices may be shown elsewhere in the plans for higher volume crossroads.
6. When work occurs in the intersection area, appropriate traffic control devices, as shown elsewhere in the plans or as determined by the Engineer/Inspector, shall be in place.

T-INTERSECTION



CSJ LIMITS AT T-INTERSECTION

1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed at or near an intersection.
2. If construction closes the road at a T-Intersection, the Contractor shall place the "CONTRACTOR NAME"(G20-6T) sign behind the Type 3 Barricades for the road closure (see BC(6) also). The "ROAD WORK NEXT X MILES" left arrow(G20-1bTL) and "ROAD WORK NEXT X MILES" right arrow (G20-1bTR)" signs shall be replaced by the detour signing called for in the plans.

TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING[1,5,6]

SIZE			SPACING	
Sign Number or Series	Conventional Road	Expressway/ Freeway	Posted Speed MPH	Sign△ Spacing "X" Feet (Apprx.)
CW20[4], CW21, CW22, CW23, CW25	48" x 48"	48" x 48"	30	120
			35	160
			40	240
			45	320
CW1, CW2, CW7, CW8, CW9, CW11, CW14	36" x 36"	48" x 48"	50	400
			55	500[2]
			60	600[2]
			65	700[2]
CW3, CW4, CW5, CW6, CW8-3, CW10, CW12	48" x 48"	48" x 48"	70	800[2]
			75	900[2]
			80	1000[2]
			*	* [3]

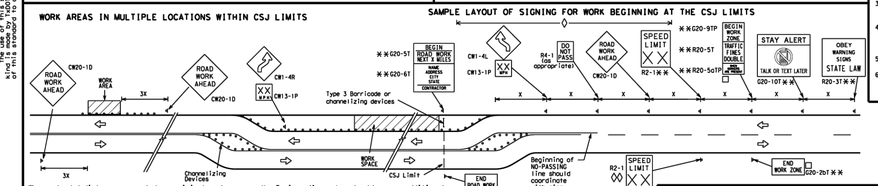
✻ For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

△ Minimum distance from work area to first advance Warning sign nearest the work area and/or distance between each additional sign.

GENERAL NOTES

1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet advance warning.
3. Distance between signs should be increased as required to have 1/2 mile or more advance warning.
4. 36" x 36" "ROAD WORK AHEAD" (CW20-1D)signs may be used on low volume crossroads at the discretion of the Engineer as per TMUTCD Part 5. See Note 2 under "Typical Location of Crossroad Signs".
5. Only diamond shaped warning sign sizes are indicated.
6. See sign size listing in "TMUTCD", Sign Appendix or the "Standard Highway Sign Designs for Texas" manual for complete list of available sign design sizes.

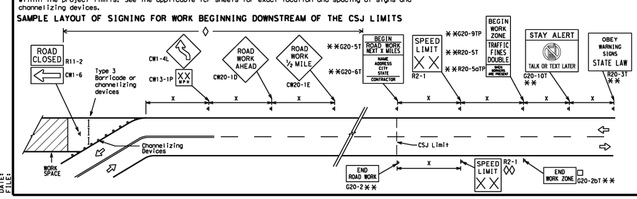
WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS



When extended distances occur between minimal work spaces, the Engineer/Inspector should ensure additional "ROAD WORK AHEAD"(CW20-1D)signs are placed in advance of these work areas to remind drivers they are still within the project limits. See the applicable TCP sheets for exact location and spacing of signs and channelizing devices.

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS



NOTES

The Contractor shall determine the appropriate distance to be placed on the G20-1 series signs and "BEGIN ROAD WORK NEXT X MILES" (G20-5T)sign for each specific project. This distance shall replace the "X" and shall be rounded to the nearest whole mile with the approval of the Engineer. No decimals shall be used.

□ The "BEGIN WORK ZONE"(G20-9TP) and "END WORK ZONE" (G20-2bT) shall be used as shown on the sample layout when advance signs are required outside the CSJ Limits. They inform the motorist of entering or leaving a part of the work zone lying outside the CSJ Limits where traffic fines may double if workers are present.

✻✻ CSJ limit signing is required for highway construction and maintenance work, with the exception of mobile operations.

◊ Area for placement of "ROAD WORK AHEAD" (CW20-1D)sign and other signs or devices as called for on the Traffic Control Plan.

◊◊ Contractor will install a regulatory speed limit sign at the end of the work zone.

LEGEND	
⊢⊣	Type 3 Barricade
○○○	Channelizing Devices
▬	Sign
X	See Typical Construction Warning Sign Size and Spacing chart or the TMUTCD for sign spacing requirements.

SHEET 2 OF 12

Texas Department of Transportation | Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PROJECT LIMIT

BC(2)-21

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL
TXDOT STANDARD DETAILS

SHEET (2 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 258 OF 318	

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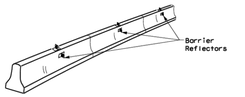
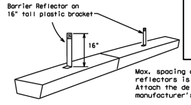
1. Barrier Reflectors shall be pre-qualified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 512.

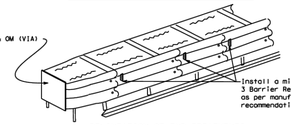


CONCRETE TRAFFIC BARRIER (CTB)

3. Where traffic is on one side of the CTB, two (2) Barrier Reflectors shall be mounted in approximately the midsection of each section of CTB. An alternate mounting location is uniformly spaced at one end of each CTB. This will allow for attachment of a barrier grapple without damaging the reflector. The Barrier Reflector mounted on the side of the CTB shall be located directly below the reflector mounted on top of the barrier, as shown in the detail above.
4. Where CTB separates two-way traffic, three barrier reflectors shall be mounted on each section of CTB. The reflector unit on top shall have two yellow reflective faces (Bi-Directional)while the reflectors on each side of the barrier shall have one yellow reflective face, as shown in the detail above.
5. When CTB separates traffic traveling in the same direction, no barrier reflectors will be required on top of the CTB.
6. Barrier Reflector units shall be yellow or white in color to match the edgeline being supplemented.
7. Maximum spacing of Barrier Reflectors is forty (40) feet.
8. Pavement markers or temporary flexible-reflective roadway marker tabs shall NOT be used as CTB delineation.
9. Attachment of Barrier Reflectors to CTB shall be per manufacturer's recommendations.
10. Missing or damaged Barrier Reflectors shall be replaced as directed by the Engineer.
11. Single slope barriers shall be delineated as shown on the above detail.



LOW PROFILE CONCRETE BARRIER (LPCB)



DELINEATION OF END TREATMENTS

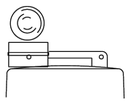
LOW PROFILE CONCRETE BARRIER (LPCB) USED IN WORK ZONES

LPCB is approved for use in work zone locations, where the posted speed is 45mph, or less. See Roadway Standard Sheet LPCB.

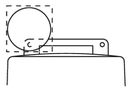
END TREATMENTS FOR CTB'S USED IN WORK ZONES

End treatments used on CTB's in work zones shall meet the appropriate crashworthy standards as defined in the Manual for Assessing Safety Hardware (MASH). Refer to the CWZTCD List for approved end treatments and manufacturers.

BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS



Type C Warning Light or approved substitute mounted on a drum adjacent to the travel way.



Warning reflector may be round or square.Must have a yellow reflective surface area of at least 30 square inches

WARNING LIGHTS

1. Warning lights shall meet the requirements of the TMUTCD.
2. Warning lights shall NOT be installed on barricades.
3. Type A-Low Intensity Flashing Warning Lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "FL". The Type A Warning Lights shall not be used with signs manufactured with Type B_{H} or C_{H} Sheeting meeting the requirements of Departmental Material Specification DMS-8300.
4. Type-C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "SB".
5. The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
6. When required by the Engineer, the Contractor shall furnish a copy of the warning lights certification. The warning light manufacturer will certify the warning lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.
7. When used to delineate curves, Type C and Type D Steady Burn Lights should only be placed on the outside of the curve, not the inside.
8. The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

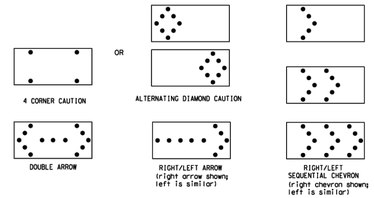
1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing devices to form a merging taper may be used for delineation. If used, the successive flashing of the sequential warning lights should occur from the beginning of the taper to the end of the merging taper in order to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
4. Type C and D steady-burn warning lights are intended to be used in a series to delineate the edge of the travel lane on detours, on lane changes, on lane closures, and on other similar conditions.
5. Type A, Type C and Type D warning lights shall be installed at locations as detailed on other sheets in the plans.
6. Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
7. The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

1. A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the discretion of the Contractor unless otherwise noted in the plans.
2. The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTCD.
3. The warning reflector shall have a minimum retroreflective surface area (one-side) of 30 square inches.
4. Round reflectors shall be fully reflectorized, including the area where attached to the drum.
5. Square substrates must have a minimum of 30 square inches of reflectorized sheeting. They do not have to be reflectorized where it attaches to the drum.
6. The side of the warning reflector facing approaching traffic shall have sheeting meeting the color and retroreflectivity requirements for DMS 8300-Type B or Type C.
7. When used near two-way traffic, both sides of the warning reflector shall be reflectorized.
8. The warning reflector should be mounted on the side of the handle nearest approaching traffic.
9. The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

Arrow Boards may be located behind channelizing devices in place for a shoulder taper or merging taper, otherwise they shall be delineated with four (4) channelizing devices placed perpendicular to traffic on the upstream side of traffic.

1. The Flashing Arrow Board should be used for all lane closures on multi-lane roadways, or slow moving maintenance or construction activities on the travel lanes.
2. Flashing Arrow Boards should not be used on two-lane, two-way roadways, detours, diversions or work on shoulders unless the "CAUTION" display (see detail below) is used.
3. The Engineer/Inspector shall choose all appropriate signs, barricades and/or other traffic control devices that should be used in conjunction with the Flashing Arrow Board.
4. The Flashing Arrow Board should be able to display the following symbols



5. The "CAUTION" display consists of four corner lamps flashing simultaneously, or the Alternating Diamond Caution mode as shown.
6. The straight line caution display is NOT ALLOWED.
7. The Flashing Arrow Board shall be capable of minimum 50 percent dimming from rated lamp voltage. The flashing rate of the lamps shall not be less than 25 nor more than 40 flashes per minute.
8. Minimum lamp "on time" shall be approximately 50 percent for the flashing arrow and equal intervals of 25 percent for each sequential phase of the flashing chevron.
9. The sequential arrow display is NOT ALLOWED.
10. The flashing arrow display is the TxDOT standard; however, the sequential chevron display may be used during daylight operations.
11. The Flashing Arrow Board shall be mounted on a vehicle, trailer or other suitable support.
12. A Flashing Arrow Board SHALL NOT BE USED to laterally shift traffic.
13. A full matrix PCMS may be used to simulate a Flashing Arrow Board provided it meets visibility, flash rate and dimming requirements on this sheet for the same size arrow.
14. Minimum mounting height of trailer mounted Arrow Boards should be 7 feet from roadway to bottom of panel.

REQUIREMENTS			
TYPE	MINIMUM SIZE	MINIMUM NUMBER OF PANEL LAMPS	MINIMUM VISIBILITY DISTANCE
B	30 x 60	13	3/4 mile
C	48 x 96	15	1 mile

ATTENTION
Flashing Arrow Boards shall be equipped with automatic dimming devices.

WHEN NOT IN USE, REMOVE THE ARROW BOARD FROM THE RIGHT-OF-WAY OR PLACE THE ARROW BOARD BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

FLASHING ARROW BOARDS

TRUCK-MOUNTED ATTENUATORS

1. Truck-mounted attenuators (TMA) used on TxDOT facilities must meet the requirements outlined in the Manual for Assessing Safety Hardware (MASH).
2. Refer to the CWZTCD for the requirements of Level 2 or Level 3 TMAs.
3. Refer to the CWZTCD for a list of approved TMAs.
4. TMAs are required on freeways unless otherwise noted in the plans.
5. A TMA should be used anytime that it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the work performance.
6. The only reason a TMA should not be required is when a work area is spread down the roadway and the work crew is an extended distance from the TMA.

SHEET 7 OF 12

Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS, WARNING LIGHTS & ATTENUATOR

BC(7)-21

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GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections, one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

Pre-qualified plastic drums shall meet the following requirements:

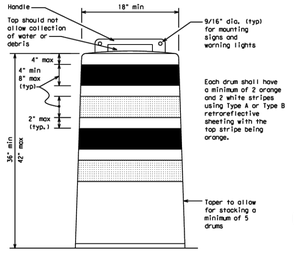
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a maximum unballasted weight of 11 lbs.
10. Drum and base shall be marked with manufacturer's name and model number.

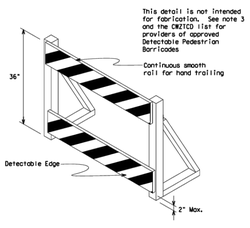
RETROREFLECTIVE SHEETING

1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Sign Face Materials." Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

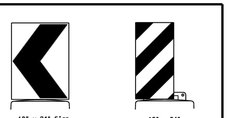
1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list.
4. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
6. Ballast shall not be placed on top of drums.
7. Adhesives may be used to secure base of drums to pavement.





DETECTABLE PEDESTRIAN BARRICADES

1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Refer to WZ(BTS-2) for Pedestrian Control requirements for Sidewalk Diversions, Sidewalk Detours and Crosswalk Closures.
2. Where pedestrians with visual disabilities normally use the closed sidewalk, a Detectable Pedestrian Barricade shall be placed across the full width of the closed sidewalk instead of a Type 3 Barricade.
3. Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.
4. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines (ADAAG)" and should not be used as a control for pedestrian movements.
5. Warning lights shall not be attached to detectable pedestrian barricades.
6. Detectable pedestrian barricades should use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.



Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type B_{H} or Type C_{H} Orange sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type A or Type B. Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations, they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

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Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-21

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SURVEYED BY:
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FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL
TXDOT STANDARD DETAILS

SHEET (3 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 259 OF 318	

NO.	DATE	REVISION	APP.

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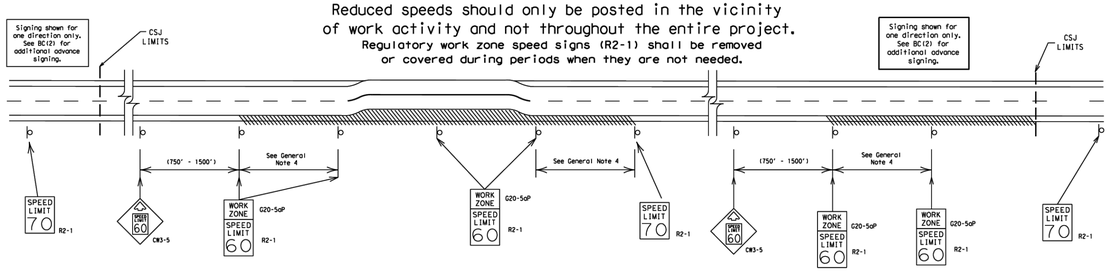
TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

Work zone speed limits shall be regulatory, established in accordance with the "Procedures for Establishing Speed Zones," and approved by the Texas Transportation Commission, or by City Ordinance when within incorporated City Limits.

Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project.
Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



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LONG/INTERMEDIATE TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when restricted geometrics with a lower design speed are present in the work zone and modification of the geometrics to a higher design speed is not feasible.

Long/Intermediate Term Work Zone Speed Limit signs, when approved as described above, should be posted and visible to the motorist when work activity is present. Work activity may also be defined as a change in the roadway that requires a reduced speed for motorists to safely negotiate the work area, including:
- a) rough road or damaged pavement surface
- b) substantial alteration of roadway geometrics (diversions)
- c) construction detours
- d) grade
- e) width
- f) other conditions readily apparent to the driver

As long as any of these conditions exist, the work zone speed limit signs should remain in place.

SHORT TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit may be included on the design of the traffic control plans when workers or equipment are not behind concrete barrier, when work activity is within 10 feet of the traveled way or actually in the traveled way.

Short Term Work Zone Speed Limit signs should be posted and visible to the motorists only when work activity is present. When work activity is not present, signs shall be removed or covered.
(See Removing or Covering on BC(4)).

GENERAL NOTES

1. Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
3. Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
4. Frequency of work zone speed limit signs should be:
   - 40 mph and greater — 0.2 to 2 miles
   - 35 mph and less — 0.2 to 1 mile
5. Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
6. Fabrication, erection and maintenance of the "ADVANCE SPEED LIMIT" (CW3-5) sign, "WORK ZONE" (G20-5aP) plaque and the "SPEED LIMIT" (R2-1) signs shall not be paid for directly, but shall be considered subsidiary to Item 502.
7. Turning signs from view, laying signs over or down will not be allowed, unless as otherwise noted under "REMOVING OR COVERING" on BC(4).
8. Techniques that may help reduce traffic speeds include but are not limited to:
   - A. Law enforcement.
   - B. Flagger stationed next to sign.
   - C. Portable changeable message sign (PCMS).
   - D. Low-power (drone) radar transmitter.
   - E. Speed monitor trailers or signs.
9. Speeds shown on details above are for illustration only. Work Zone Speed Limits should only be posted as approved for each project.
10. For more specific guidance concerning the type of work, work zone conditions and factors impacting allowable regulatory construction speed zone reduction see TxDOT form #1204 in the TxDOT e-form system.

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Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION WORK ZONE SPEED LIMIT

BC(3)-21

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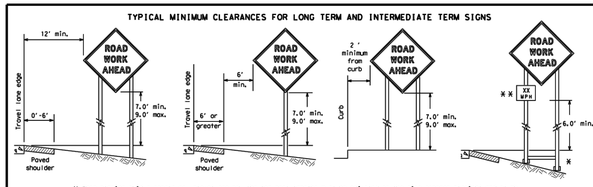
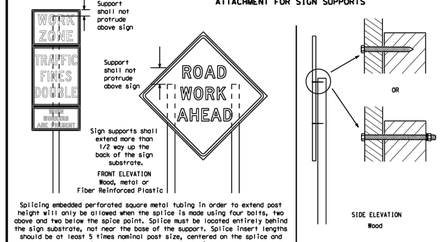
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS



* When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

** When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

ATTACHMENT FOR SIGN SUPPORTS



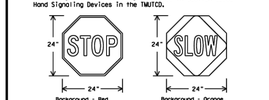
Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails shall NOT be allowed. Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the splice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same gauge material.

STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24".
2. STOP/SLOW paddles shall be retroreflectorized when used at night.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6' to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.



SHEETING REQUIREMENTS (WHEN USED AT NIGHT)		
USAGE	COLOR	SIGN FACE MATERIAL
BACKGROUND	RED	TYPE B OR C SHEETING
BACKGROUND	ORANGE	TYPE B_{FL} OR C_{FL} SHEETING
LEGEND & BORDER	WHITE	TYPE B OR C SHEETING
LEGEND & BORDER	BLACK	ACRYLIC NON-REFLECTIVE FILM

CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, services, points of interest, and other geographical, recreational, specific service (LOGO), or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition. For details for covering large guide signs see the TS-CD standard.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC standard sheets, TLRS standard sheets or the CWZTCD list. The signs shall meet the required mounting heights shown on the BC, or the SMD standard sheets during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
5. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
6. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD) for small roadside signs. Supports for temporary large roadside signs shall meet the requirements detailed on the Temporary Large Roadside Signs (TLRS) standard sheets. The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
7. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
8. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
9. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   - a. Long-term stationary - work that occupies a location more than 3 days.
   - b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than one hour.
   - c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   - d. Short, duration - work that occupies a location up to 1 hour.
   - e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the surface.
3. (Deleted)
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type B_{FL} or Type C_{FL}, shall be used for rigid signs with orange backgrounds.

SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or Intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand should be used.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as fire inner tubes) shall NOT be used.
6. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
7. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
8. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

FLAGS ON SIGNS

1. Flags may be used to draw attention to warning signs. When used, the flag shall be 16 inches square or larger and shall be orange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

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Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES

BC(4)-21

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL TXDOT STANDARD DETAILS

SHEET (4 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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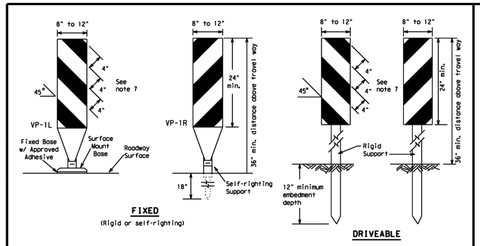

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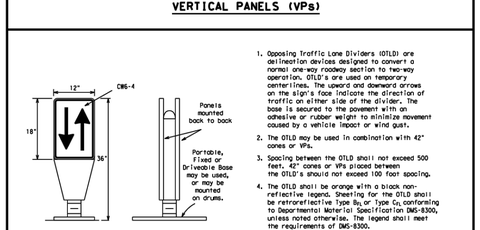
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual for additional requirements on the use VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, may have more than 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type A or Type B conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is 36 inches or greater, a panel stripe of 6 inches shall be used.

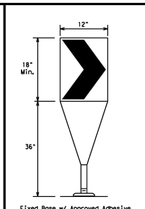
VERTICAL PANELS (VPs)



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with 42" cones or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. 42" cones or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black non-reflective legend. Sheeting for the OTLD shall be retroreflective Type By, or Type C_O conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.

OPPOSING TRAFFIC LANE DIVIDERS (OTLD)

DATE:
FILE:

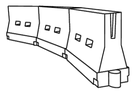


1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type By, or Type C_O conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways, self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS

GENERAL NOTES

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.



LONGITUDINAL CHANNELIZING DEVICES (LCD)

1. LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. LCDs may be used instead of a line of cones or drums.
3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travel lanes.
6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10). Place reflective sheeting near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate Manual for Assessing Safety Hardware (MASH) crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

Posted Speed	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent
30		150'	165'	180'	30'	60'
35	L = WS²/60	205'	225'	245'	35'	70'
40		265'	295'	320'	40'	80'
45		450'	495'	540'	45'	90'
50		500'	550'	600'	50'	100'
55	L = WS	550'	605'	660'	55'	110'
60		600'	660'	720'	60'	120'
65		650'	715'	780'	65'	130'
70		700'	770'	840'	70'	140'
75		750'	825'	900'	75'	150'
80		800'	880'	960'	80'	160'

**Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

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Texas Department of Transportation | Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)-21

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7-13 5-21					

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TYPE 3 BARRICADES

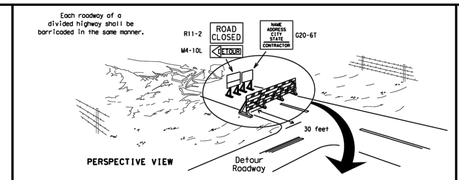
1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type 3 Barricades and a list of all materials used in the construction of Type 3 Barricades.
2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road, striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rail's reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type A or Type B conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

Barricades shall NOT be used as a sign support.

TYPICAL STRIPING DETAIL FOR BARRICADE RAIL

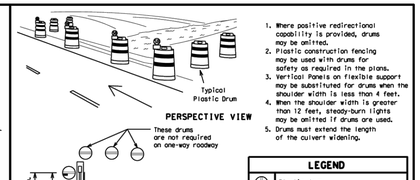
Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES



1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

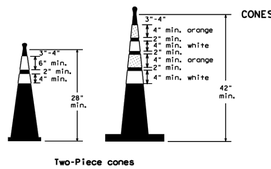
TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.

LEGEND	
1	Plastic drum
1	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



28" Cones shall have a minimum weight of 9 1/2 lbs.

42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

1. Traffic cones and tubular markers shall be predominantly orange, and meet the height and weight requirements shown above.
2. One-piece cones have the body and base of the cone molded in one consolidated unit. Two-piece cones have a cone shaped body and a separate rubber base, or ballast, that is added to keep the device upright and in place.
3. Two-piece cones may have a handle or loop extending up to 8" above the minimum height shown, in order to aid in retrieving the device.
4. Cones or tubular markers shall have white or white and orange reflective bands as shown above. The reflective bands shall have a smooth, sealed outer surface and meet the requirements of Departmental Material Specification DMS-8300 Type A or Type B.
5. 28" cones and tubular markers are generally suitable for short duration and short-term stationary work as defined on BC(4). These should not be used for intermediate-term or long-term stationary work unless personnel is on-site to maintain them in their proper upright position.
6. 42" two-piece cones, vertical panels or drums are suitable for all work zone durations.
7. Cones or tubular markers used on each project should be of the same size and shape.

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Texas Department of Transportation | Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-21

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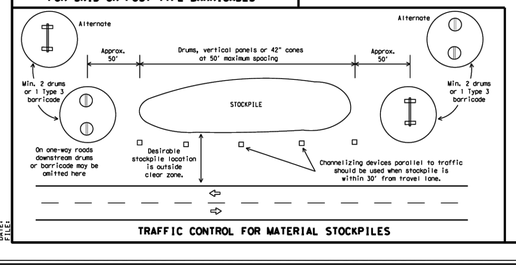

TRAFFIC CONTROL FOR MATERIAL STOCKPILES

DATE:
FILE:

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL TXDOT STANDARD DETAILS

SHEET (5 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 261 OF 318	

NO.	DATE	REVISION	APP.

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DATE:
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WORK ZONE PAVEMENT MARKINGS

GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

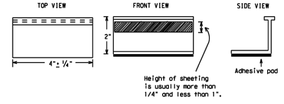
MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 150 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than three days, where floggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   - A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   - B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS

PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

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Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

BC(11)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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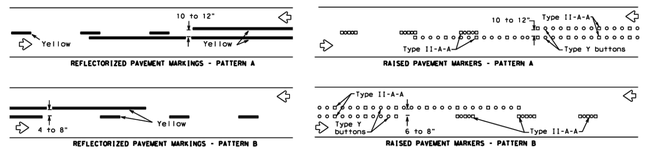
REVISIONS 2-98 9-07 5-21 1-02 7-13 11-02 8-14	DIST	COUNTY		SHEET NO.

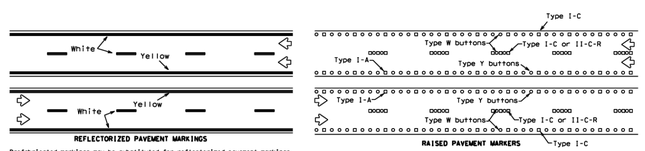
BC(11)-21

PAVEMENT MARKING PATTERNS



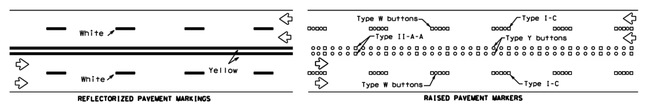
Pattern A is the TXDOT Standard, however Pattern B may be used if approved by the Engineer.
Prefabricated markings may be substituted for reflectorized pavement markings.

CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



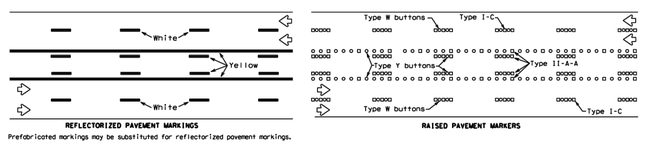
Prefabricated markings may be substituted for reflectorized pavement markings.

EDGE & LANE LINES FOR DIVIDED HIGHWAY



Prefabricated markings may be substituted for reflectorized pavement markings.

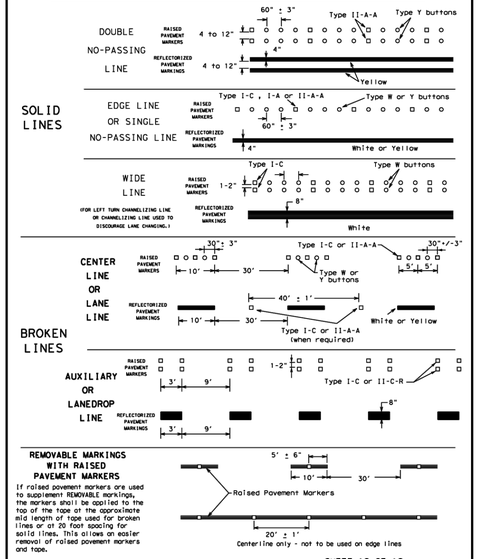
LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



Prefabricated markings may be substituted for reflectorized pavement markings.

TWO-WAY LEFT TURN LANE

STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS



REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

If raised pavement markers are used to supplement REMOVABLE markings, the markers shall be applied to the top of the tape at the approximate mid-length of tape used for broken lines or at 20 foot spacing for solid lines. This allows an easier removal of raised pavement markers and tape.

SHEET 12 OF 12

Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS

BC(12)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT February 1998	CONT	SECT	JOB	HIGHWAY
REVISIONS 1-97 9-07 5-21 2-98 7-13 11-02 8-14	DIST	COUNTY		SHEET NO.

BC(12)-21

Raised pavement markers used as standard pavement markings shall be from the approved products list and meet the requirements of Item 672 "RAISED PAVEMENT MARKERS."

NO.	DATE	REVISION	APP.

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TRAFFIC CONTROL
TXDOT STANDARD DETAILS

SHEET (6 OF 6)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 262 OF 318	

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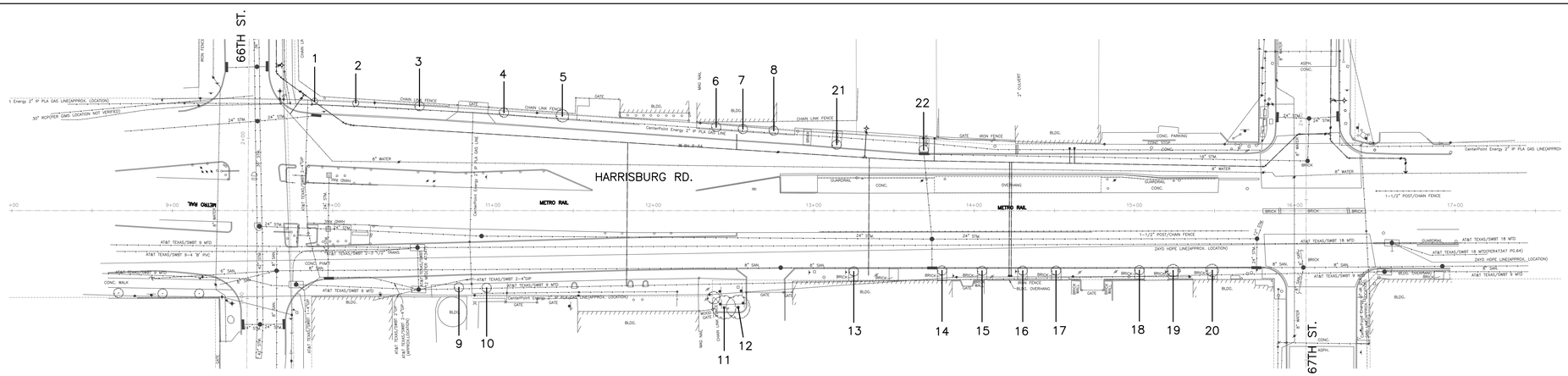

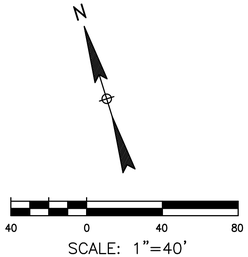

NO.	DATE	REVISION	APP.

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Harrisburg Street					
1	6601 Harrisburg	5" Crepe Myrtle	Not protected		
2	6601 Harrisburg	4" Crepe Myrtle	Not protected		
3	6601 Harrisburg	5" Crepe Myrtle	Not protected		
4	6619 Harrisburg	8" Crepe Myrtle	Not protected		
5	6619 Harrisburg	7" Crepe Myrtle	Not protected		
6	6627 Harrisburg	5" Crepe Myrtle	Not protected		
7	6627 Harrisburg	5" Crepe Myrtle	Not protected		
8	6627 Harrisburg	5" Crepe Myrtle	Not protected		
9	6604 Harrisburg	5" Crepe Myrtle	Not protected		
10	6604 Harrisburg	5" Crepe Myrtle	Not protected		
11	6632 Harrisburg	18" American Elm	Not protected	70% dieback, Private tree	
12	6632 Harrisburg	30' Palm	Not protected	Private tree, Not impacted	
13	6632 Harrisburg	7" Crepe Myrtle	Not protected		
14	6632 Harrisburg	7" Crepe Myrtle	Not protected		
15	6638 Harrisburg	7" Crepe Myrtle	Not protected		
16	6638 Harrisburg	7" Crepe Myrtle	Not protected		
17	6638 Harrisburg	7" Crepe Myrtle	Not protected		
18	104 S Cesar Chavez	7" Crepe Myrtle	Not protected		
19	104 S Cesar Chavez	7" Crepe Myrtle	Not protected		
20	104 S Cesar Chavez	7" Crepe Myrtle	Not protected		

TREE PRESERVATION PLAN LEGEND

1	TREE NUMBER/LOCATION
(1)	TREE TO BE REMOVED
-X-X-	TREE PROTECTION FENCE
-----	ROOT PRUNING TRENCH

NOTE:

1. THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED SEPTEMBER 2025. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO DESIGN MAY COMPROMISE THE TREE PROTECTION PLAN. REFER SPECIFICATIONS 01562 AND 02915.

2. CN KOEHL URBAN FORESTRY, INC. HAS NOT BEEN CONTRACTED TO COMPLETE ANY TREE RISK ASSESSMENTS ON THIS PROJECT–THIS TPP INCLUDES PROTECTION MEASURES FOR SPECIES OF TREES PROTECTED BY APPLICABLE ORDINANCE ONLY. CN KOEHL URBAN FORESTRY, INC. DOES NOT GUARANTEE CONDITION OR STRUCTUAL INTEGRITY OF ANY TREE LOCATED ON OR ADJACENT TO THIS PROJECT.

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4. THE CONTRACTOR'S ARBORIST WILL MARK LOCATIONS OF TREES TO BE PLANTED AND OBTAIN APPROVAL BY CITY ENGINEER AND CITY FORESTER BEFORE PURCHASING OR EXCAVATING PLANTING HOLE OF EACH TREE.

C.N. Koehl
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281-391-0022 ckoehl@koehlurbanforestry.com

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 1 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 263 OF 318	

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NO.	DATE	REVISION	APP.

TREE PRESERVATION PLAN LEGEND	
1	TREE NUMBER/LOCATION
①	TREE TO BE REMOVED
—X—X—	TREE PROTECTION FENCE
------	ROOT PRUNING TRENCH

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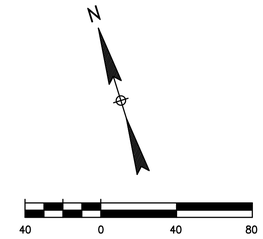

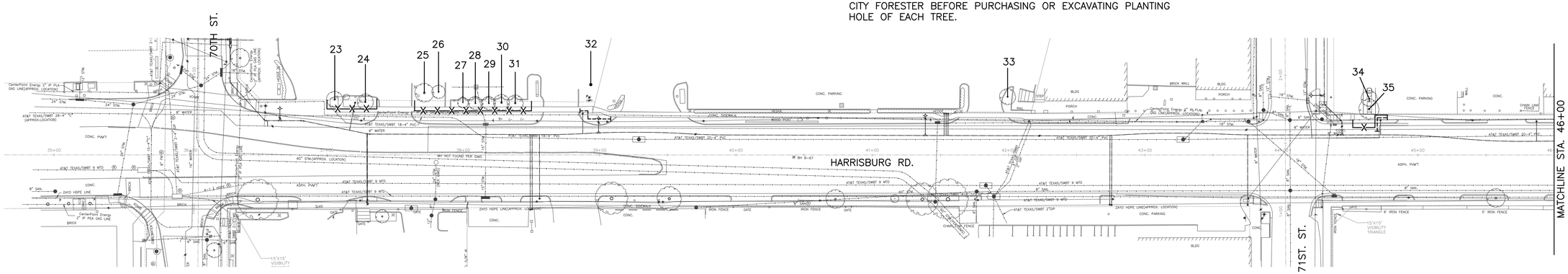

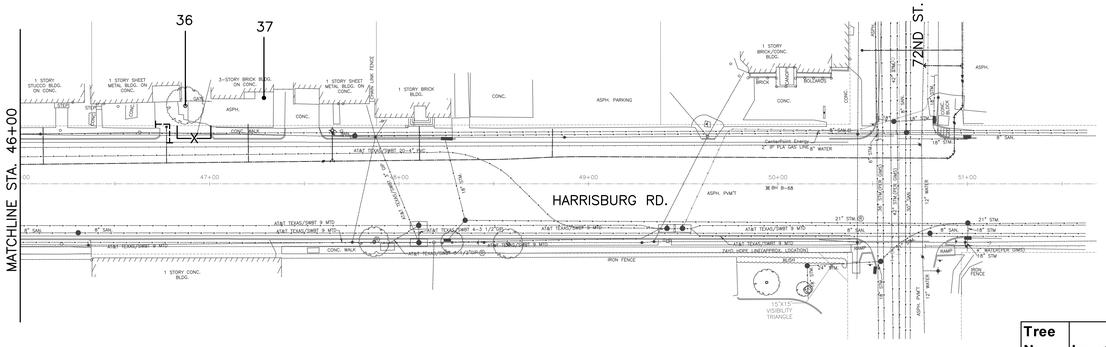

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Harrisburg Street					
21	6627 Harrisburg	5" Crepe Myrtle	Not protected	Dead	
22	6627 Harrisburg	6" Crepe Myrtle	Not protected		
23	7001 Harrisburg	13" Live Oak	Not protected	Private tree	Fence, Bore waterline
24	7001 Harrisburg	16" Live Oak	Protected		Hand dig tap&lead, Fence, Bore waterline
25	7003 Harrisburg	15" Live Oak	Not protected	Private tree	Fence, Bore waterline
26	7003 Harrisburg	12" Live Oak	Not protected	Private tree	Fence, Bore waterline
27	7003 Harrisburg	9" Nutall Oak	Protected		Fence, Bore waterline
28	7003 Harrisburg	11" Nutall Oak	Protected		Fence, Bore waterline
29	7003 Harrisburg	10" Nutall Oak	Protected		Fence, Bore waterline
30	7003 Harrisburg	14" Nutall Oak	Protected		Fence, Bore waterline
31	7003 Harrisburg	15" Nutall Oak	Protected		Fence, Bore waterline
32	7003 Harrisburg	21" Nutall Oak	Not protected	Private tree	Root prune for fire hydrant & waterline
33	7041 Harrisburg	13" Chinese Pistache	Not protected	Private tree, Not impacted	
34	112 71st	13" Live Oak	Not protected	Private tree	Fence, Bore waterline
35	112 71st	14" Live Oak	Not protected	Topped by CPE, Private tree	Root prune for tap&lead, Fence, Bore waterline
36	7211 Harrisburg	24" American Elm	Protected	Corridor tree, 50% dieback	Root prune for tap&lead, Fence, Bore waterline
37	7211 Harrisburg	11" Pecan	Not protected	Private tree, Not impacted	

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SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 2 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 264 OF 318	

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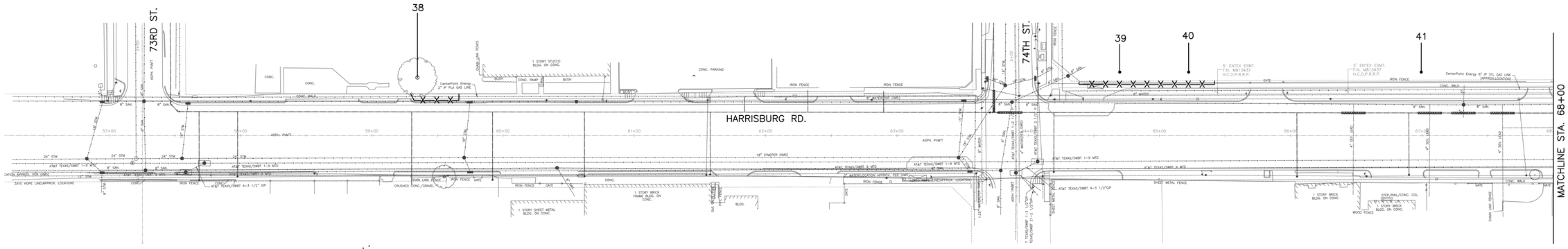

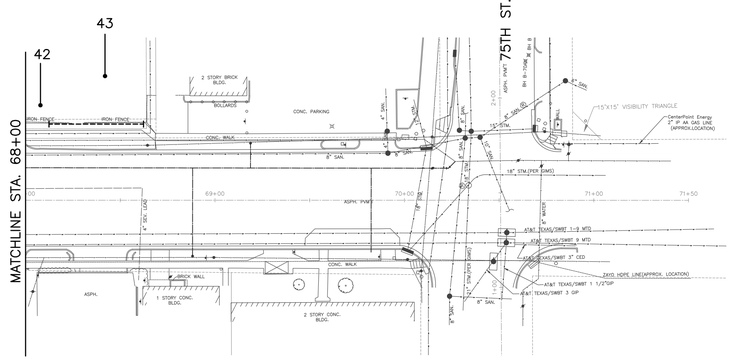

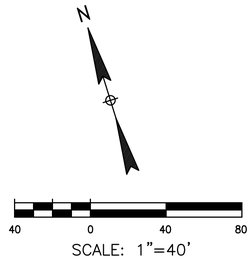

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Harrisburg Street					
38	7323 Harrisburg	28" American Elm	Protected	Corridor tree, 50% dieback	Fence, Bore waterline
39	7401 Harrisburg	21" Live Oak	Not protected	Private tree	Fence, Bore waterline
40	7401 Harrisburg	21" Live Oak	Not protected	30% dieback, Private tree	Fence, Bore waterline
41	7415 Harrisburg	4" Nutall Oak	Not protected	Private tree, Not impacted	
42	7445 Harrisburg	4" Crepe Myrtle	Not protected	50% dieback, Private tree	
43	7445 Harrisburg	32" Live Oak	Protected	Corridor tree	Root prune for waterline, Clearance prune

TREE PRESERVATION PLAN LEGEND	
1	TREE NUMBER/LOCATION
(1)	TREE TO BE REMOVED
—X—X—	TREE PROTECTION FENCE
⊢-----⊣	ROOT PRUNING TRENCH

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NO.	DATE	REVISION	APP.

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281-391-0022 ckoehl@koehlurbanforestry.com

APPROVED:

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LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 3 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 265 OF 318	

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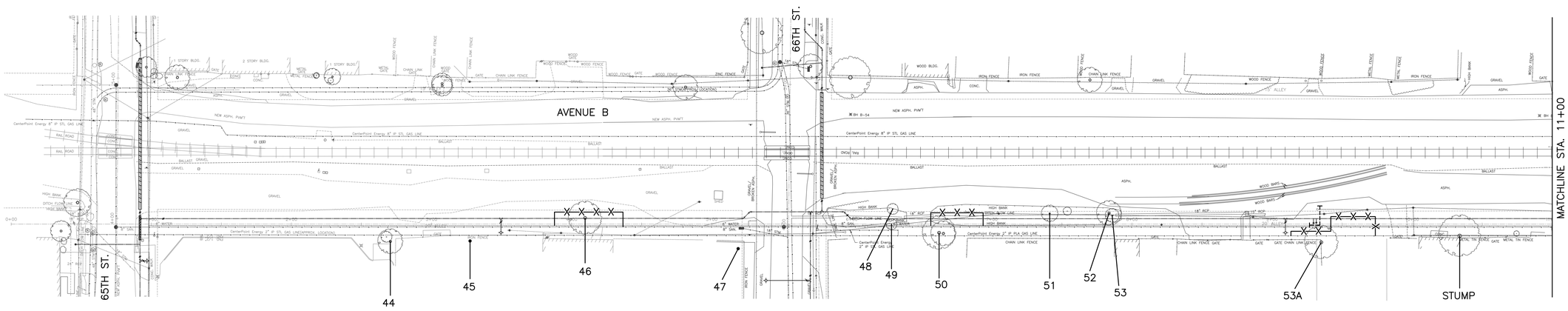

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue B					
44	6503 Harrisburg	12" American Elm	Not protected	Private tree, Not impacted	
45	6517 Harrisburg	14" American Elm	Not protected	Private tree, Not impacted	
46	6517 Harrisburg	22" Green Ash	Protected		Fence, Bore waterline
47	6517 Harrisburg	3" Arizona Ash	Not protected	Private tree, Not impacted	
48	6601 Harrisburg	3' Raintree	Not protected		
49	6003 Harrisburg	3' Raintree	Not protected		
50	6619 Harrisburg	26" American Elm	Protected	Corridor tree	Fence, Bore waterline
51	6619 Harrisburg	8" Mulberry	Not protected		
52	6619 Harrisburg	15" Sugarberry	Not protected		
53	6619 Harrisburg	10" Sugarberry	Not protected		
53A	6629 Harrisburg	28" American Elm	Protected	Corridor tree	Root prune for tap&lead, Fence, Bore waterline

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- —X—X— TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

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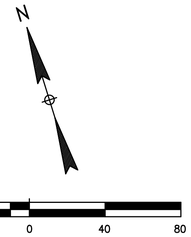

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 4 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 266 OF 318	

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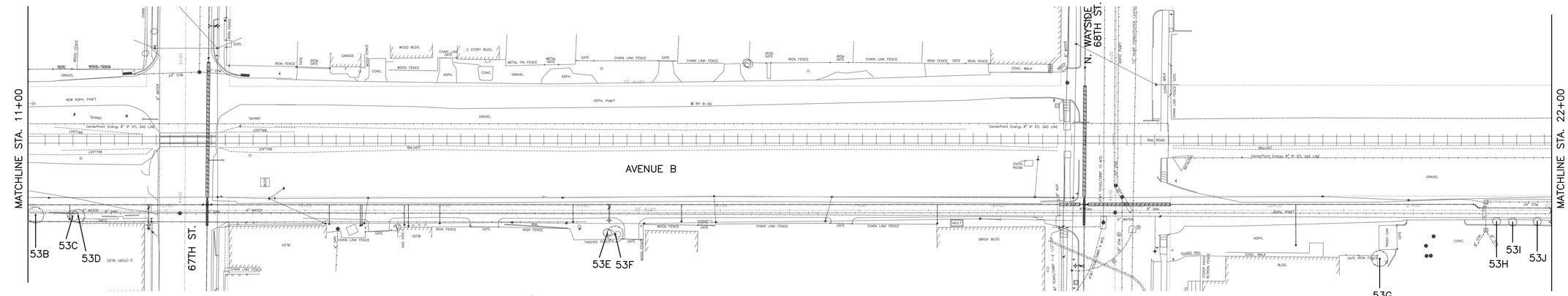

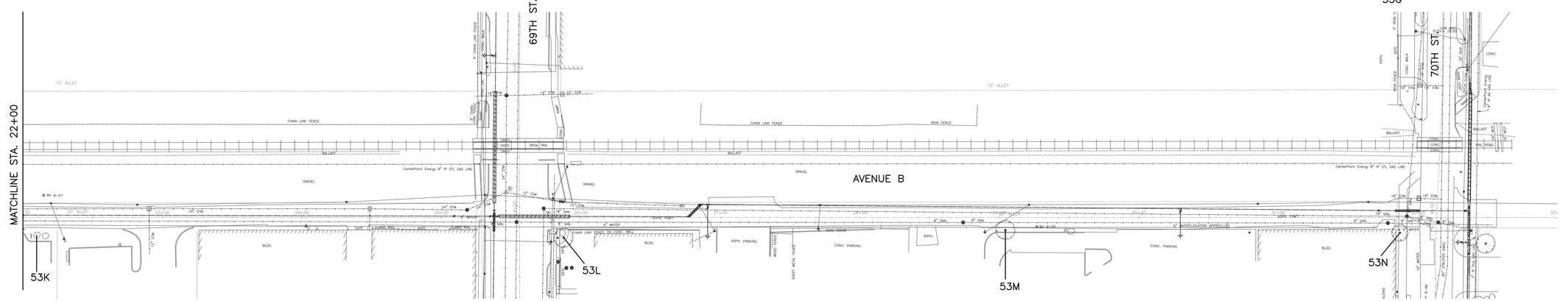

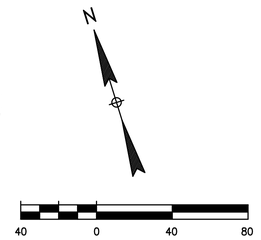

SCALE: 1"=40'

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue B					
53B	113 N 67th	10" Peach	Not protected		
53C	113 N 67th	4" Loquat	Not protected		
53D	113 N 67th	11" Loquat	Not protected		
53E	6728 Ave B	3" Pecan	Not protected	Private tree, Not impacted	
53F	6728 Ave B	6" Pecan	Not protected	Private tree, Not impacted	
53G	Not available	14" Live Oak	Not protected	Private tree, Not impacted	
53H	Not available	7" Live Oak	Not protected	Private tree, Not impacted	
53I	Not available	9" Live Oak	Not protected	Private tree, Not impacted	
53J	Not available	9" Live Oak	Not protected	Private tree, Not impacted	
53K	Not available	2" Crepe Myrtle	Not protected	Private tree, Not impacted	
53L	Not available	14" Live Oak	Not protected	Private tree, Not impacted	
53M	Not available	15" American Elm	Not protected	Private tree, Not impacted	
53N	Not available	14" Mulberry	Not protected	Private tree, Not impacted	

TREE PRESERVATION PLAN LEGEND

1	TREE NUMBER/LOCATION
①	TREE TO BE REMOVED
—X—X—	TREE PROTECTION FENCE
------	ROOT PRUNING TRENCH

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 5 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 267 OF 318	

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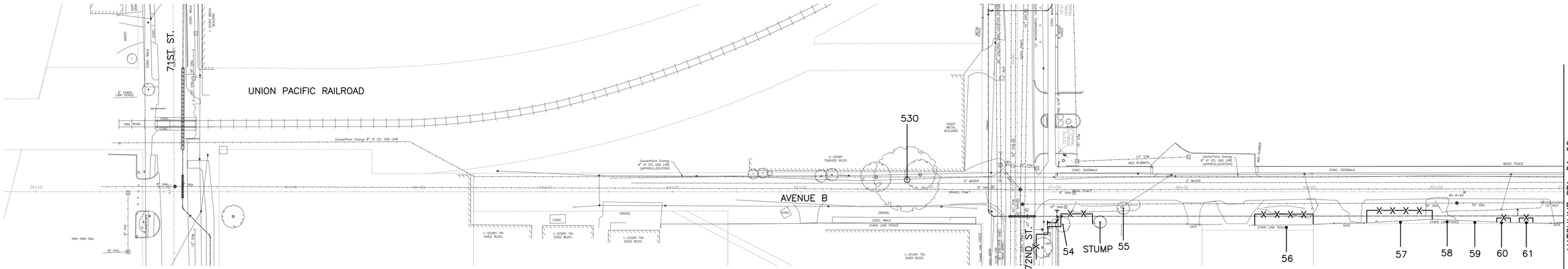

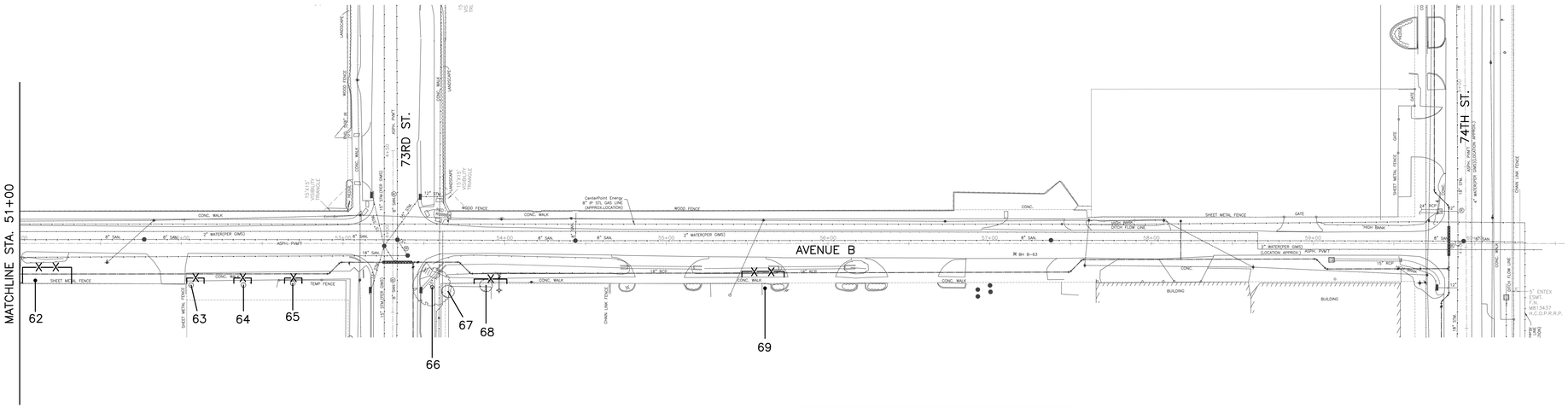

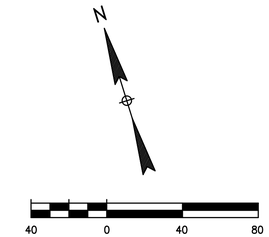

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue B					
530	Not available	38" American Elm	Protected	Not impacted	
54	7202 Ave B	18" Willow Oak	Protected		Root prune for bends, Fence, Bore waterline
55	7206 Ave B	15" Sugarberry	Not protected		
56	NA	18" Live Oak	Protected		Fence, Bore waterline
57	7219 Ave B	19" American Elm	Protected		Fence, Bore waterline
58	7214 Ave B	2" Live Oak	Protected	Dead	
59	7228 Ave B	2" Live Oak	Protected	Dead	
60	7228 Ave B	2" Live Oak	Protected		Fence, Bore waterline
61	7228 Ave B	2" Live Oak	Protected		Fence, Bore waterline
62	7232 Ave B	28" Pecan	Protected		Fence, Bore waterline
63	7244 Ave B	6" Live Oak	Protected		Fence, Bore waterline
64	7244 Ave B	5" Live Oak	Protected		Fence, Bore waterline
65	7244 Ave B	5" Live Oak	Protected		Fence, Bore waterline
66	7321 Harrisburg	15" Mulberry	Not protected		
67	7321 Harrisburg	10" Crepe Myrtle	Not protected	Private tree, Not impacted	
68	7321 Harrisburg	11" Lacebark Elm	Protected		Fence, Bore waterline
69	7321 Harrisburg	16" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline

TREE PRESERVATION PLAN LEGEND

1	TREE NUMBER/LOCATION
(1)	TREE TO BE REMOVED
-X-X-	TREE PROTECTION FENCE
------	ROOT PRUNING TRENCH

NOTE:

1. THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED SEPTEMBER 2025. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO DESIGN MAY COMPROMISE THE TREE PROTECTION PLAN. REFER SPECIFICATIONS 01562 AND 02915.

2. CN KOEHL URBAN FORESTRY, INC. HAS NOT BEEN CONTRACTED TO COMPLETE ANY TREE RISK ASSESSMENTS ON THIS PROJECT–THIS TPP INCLUDES PROTECTION MEASURES FOR SPECIES OF TREES PROTECTED BY APPLICABLE ORDINANCE ONLY. CN KOEHL URBAN FORESTRY, INC. DOES NOT GUARANTEE CONDITION OR STRUCTUAL INTEGRITY OF ANY TREE LOCATED ON OR ADJACENT TO THIS PROJECT.

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4. THE CONTRACTOR'S ARBORIST WILL MARK LOCATIONS OF TREES TO BE PLANTED AND OBTAIN APPROVAL BY CITY ENGINEER AND CITY FORESTER BEFORE PURCHASING OR EXCAVATING PLANTING HOLE OF EACH TREE.

NO.	DATE	REVISION	APP.

C.N. Koehl
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281-391-0022 ckoehl@koehlurbanforestry.com

APPROVED:

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713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 6 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 268 OF 318	

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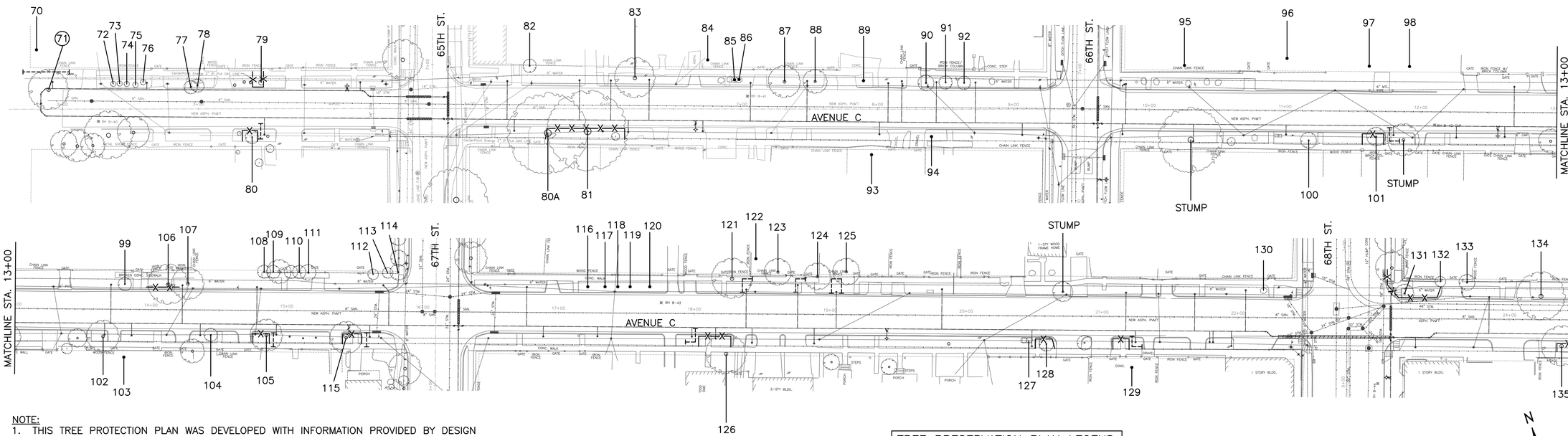

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Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue C					
70	6405 Ave C	25" Live Oak	Protected	Corridor tree	Root prune for waterline
71	6405 Ave C	15" Green Ash	Protected	Remove for bends	Remove tree, Provide 15" in replacement/mitigation
72	6407 Ave C	4" Crepe Myrtle	Not protected		
73	6407 Ave C	4" Crepe Myrtle	Not protected		
74	6407 Ave C	3' Sago	Not protected		
75	6407 Ave C	4" Crepe	Not protected		
76	6407 Ave C	2" Crepe Myrtle	Not protected		
77	6409 Ave C	14" Crepe Myrtle	Not protected		
78	6409 Ave C	4' Sago	Not protected		
79	6411 Ave C	5" Pecan	Protected		Fence, Bore waterline
80	6410 Ave C	10" Pecan	Protected		Root prune for tap&lead, Fence, Bore waterline
80A	8504 Ave C	48" Live Oak	Protected		Fence, Bore waterline
81	8504 Ave C	55" Live Oak	Protected		waterline
82	6503 Ave C	8" Pecan	Protected	Not impacted	
83	6515 Ave C	23" Crepe Myrtle	Protected	Not impacted	
84	6519 Ave C	25" Pecan	Protected	Dead, Corridor tree	
85	6519 Ave C	1" Citrus	Not protected		
86	6519 Ave C	1" Pecan	Not protected		
87	6523 Ave C	9" Vitex	Not protected		
88	6523 Ave C	5" Vitex	Not protected		
89	6527 Ave C	2" Citrus	Not protected		
90	6531 Ave C	3' Sago	Not protected		
91	6531 Ave C	3' Sago	Not protected		
92	6531 Ave C	3' Sago	Not protected		
93	6514 Ave C	18" Tallow	Not protected	Private tree, Not impacted	
94	6516 Ave C	15" Sugarberry	Not protected		
95	6601 Ave C	22" Pecan	Not protected	Private tree, Not impacted	
96	NA	22" Pecan	Not protected	Private tree, Not impacted	
97	6617 Ave C	4" Live Oak	Not protected	Private tree, Not impacted	
98	6617 Ave C	4" Live Oak	Not protected	Private tree, Not impacted	
99	6625 Ave C	12" Weeping Willow	Not protected	Marked for removal by HPARD	
100	6618 Ave C	12" Crepe Myrtle	Not protected		
101	6626 Ave C	16" Live Oak	Protected		Root prune for tap&lead, Fence, Bore waterline
102	6628 Ave C	17" Ligustrum	Not protected		

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- –X–X– — TREE PROTECTION FENCE
- ----- — ROOT PRUNING TRENCH

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue C					
103	6632 Ave C	17" Pecan	Not protected	40% dieback, Private tree	
104	6638 Ave C	11" Tallow	Not protected		
105	6638 Ave C	22" Sycamore	Protected		Root prune for tap&lead, Fence, Bore waterline
106	6625 Ave C	21" Crepe Myrtle	Protected	Not impacted	
107	6625 Ave C	13" Crepe Myrtle	Not protected		
108	6641 Ave C	6" Ligustrum	Not protected		
109	6641 Ave C	12" Sugarberry	Not protected		
110	307 67th	10" Sugarberry	Not protected		
111	307 67th	13" Sugarberry	Not protected		
112	307 67th	9" Sugarberry	Not protected		
113	307 67th	8" American Elm	Protected	Not impacted	
114	307 67th	13" American Elm	Protected	Not impacted	
115	6648 Ave C	24" Sycamore	Protected		Fence, Bore waterline
116	6717 Ave C	2" Crepe Myrtle	Not protected		
117	6717 Ave C	2" Crepe Myrtle	Not protected		
118	6717 Ave C	2" Crepe Myrtle	Not protected		
119	6705 Ave C	2" Crepe Myrtle	Not protected		
120	6705 Ave C	2" Crepe Myrtle	Not protected		
121	6707 Ave C	22" Pine	Protected		Root prune for lead
122	6709 Ave C	38" Sugarberry	Not protected	50% dieback, Private tree	
123	6709 Ave C	20" Magnolia	Protected		Root prune for lead
124	6711 Ave C	17" Pecan	Protected		Root prune for lead
125	6711 Ave C	22" Pecan	Protected	Corridor tree	Root prune for lead
126	6708 Ave C	33" Tallow	Protected		Root prune for tap&lead, Fence, Bore waterline
127	6732 Ave C	2" Arborvitae	Not protected		
128	6732 Ave C	10" Pine	Protected		Fence, Bore waterline
129	6738 Ave C	13" Live Oak	Not protected	Private tree	Root prune for tap&lead, Fence, Bore waterline
130	6747 Ave C	8" Crepe Myrtle	Not protected		
131	6805 Ave C	16" Live Oak	Protected		Fence, Bore waterline
132	6805 Ave C	9" Live Oak	Protected		Fence, Bore waterline
133	6805 Ave C	14" Live Oak	Protected		Fence, Bore waterline
134	NA	37" Live Oak	Protected	40% dieback	Fence, Bore waterline
135	6815 Ave C	15" Crepe Myrtle	Not protected		
135A	6810 Ave C	27" Green Ash	Protected		Fence, Bore waterline
136	6810 Ave C	13" Crepe Myrtle	Not protected		

N

40 0 40 80

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

C.N. Koehl
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FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 7 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 269 OF 318	

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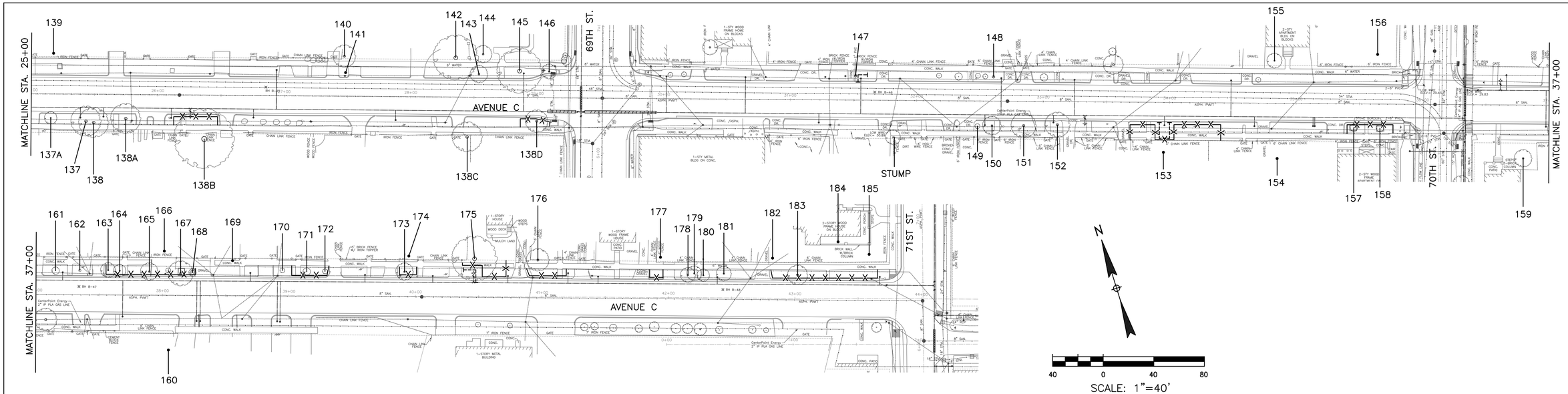

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue C					
137	6818 Ave C	13" Crepe Myrtle	Not protected		
137A	6818 Ave C	10" Crepe Myrtle	Not protected	Dead	
138	6818 Ave C	13" Crepe Myrtle	Not protected		
138A	6818 Ave C	15" Crepe Myrtle	Not protected		
138B	6818 Ave C	44" Live Oak	Protected	Corridor tree	Fence, Bore waterline
138C	6840 Ave C	18" Sugarberry	Not protected	Private tree, Not impacted	
138D	6840 Ave C	14" Pecan	Protected		Fence, Bore waterline
139	6815 Ave C	13" Arborvitae	Not protected	Private tree, Not impacted	
140	6833 Ave C	25" Pecan	Protected	40% dieback, Corridor tree, Not impacted	
141	6833 Ave C	2" American Elm	Protected	Not impacted	
142	6845 Ave C	27" American Elm	Protected	Dead, Corridor tree	
143	6845 Ave C	15" Crepe Myrtle	Not protected		
144	6845 Ave C	12" Crepe Myrtle	Not protected	Private tree, Not impacted	
145	6845 Ave C	18" Crepe Myrtle	Not protected		
146	6845 Ave C	10" Crepe Myrtle	Not protected		
147	6911 Ave C	4" Pecan	Protected		Root prune for lead
148	6915 Ave C	4" Crepe Myrtle	Not protected		
149	6926 Ave C	16" Crepe Myrtle	Not protected		
150	6926 Ave C	14" Crepe Myrtle	Not protected		
151	6926 Ave C	17" Crepe Myrtle	Not protected		
152	6928 Ave C	15" Crepe Myrtle	Not protected		
153	6938 Ave C	38" Water Oak	Protected	Corridor tree	Root prune for tap&lead, Fence, Bore waterline
154	6940 Ave C	26" American Elm	Protected	Corridor tree	
155	6923 Ave C	17" Bradford Pear	Not protected	Private tree, Not impacted	
156	6925 Ave C	26" Pecan	Protected	Corridor tree	
157	6944 Ave C	10" Live Oak	Protected	Topped	Fence, Bore waterline
158	6944 Ave C	11" Live Oak	Protected	Topped	Fence, Bore waterline
159	7006 Ave C	20' Palm	Not protected		
160	7014 Ave C	39" Live Oak	Protected	Corridor tree	
161	7003 Ave C	9" Crepe Myrtle	Not protected		
162	7003 Ave C	5" Crepe Myrtle	Not protected		
163	7009 Ave C	14" Live Oak	Protected		Fence, Bore waterline
164	7009 Ave C	12" Live Oak	Protected		Fence, Bore waterline
165	7009 Ave C	13" Camphor	Not protected		
166	7009 Ave C	24" Pecan	Protected	Corridor tree	Fence, Bore waterline
167	7009 Ave C	21" Eastern Red Cedar	Protected		Hand dig tap&lead, Fence, Bore waterline
168	7009 Ave C	12" Pecan	Protected		Fence, Bore waterline
169	7015 Ave C	13" Crepe Myrtle	Not protected		
170	Not available	8" Crepe Myrtle	Not protected		

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue C					
171	Not available	10" Magnolia	Protected		Fence, Bore waterline
172	Not available	5" Crepe Myrtle	Not protected		
173	Not available	17" Crepe Myrtle	Not protected		
174	Not available	28" Tallow	Not protected	Private tree	Fence, Bore waterline
175	7027 Ave C	34" Eastern Red Cedar	Protected		Root prune for fire hydrant, Fence, Bore waterline
176	7029 Ave C	22" Pecan	Protected	Corridor tree	Fence, Bore waterline
177	7033 Ave C	25" Pecan	Protected	Corridor tree	Fence, Bore waterline
178	7033 Ave C	8" Crepe Myrtle	Not protected		
179	7033 Ave C	4' Sago	Not protected		
180	7033 Ave C	4' Sago	Not protected		
181	7033 Ave C	4' Sago	Not protected		
182	302 71st	12" American Elm	Not protected	50% dieback, Private tree	Fence, Bore waterline
183	302 71st	18" Pecan	Protected		Fence, Bore waterline
184	302 71st	38" Pecan	Protected	Corridor tree	Fence, Bore waterline
185	Not available	15" Persimmon	Not protected	Private tree	Fence, Bore waterline

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 8 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 270 OF 318	

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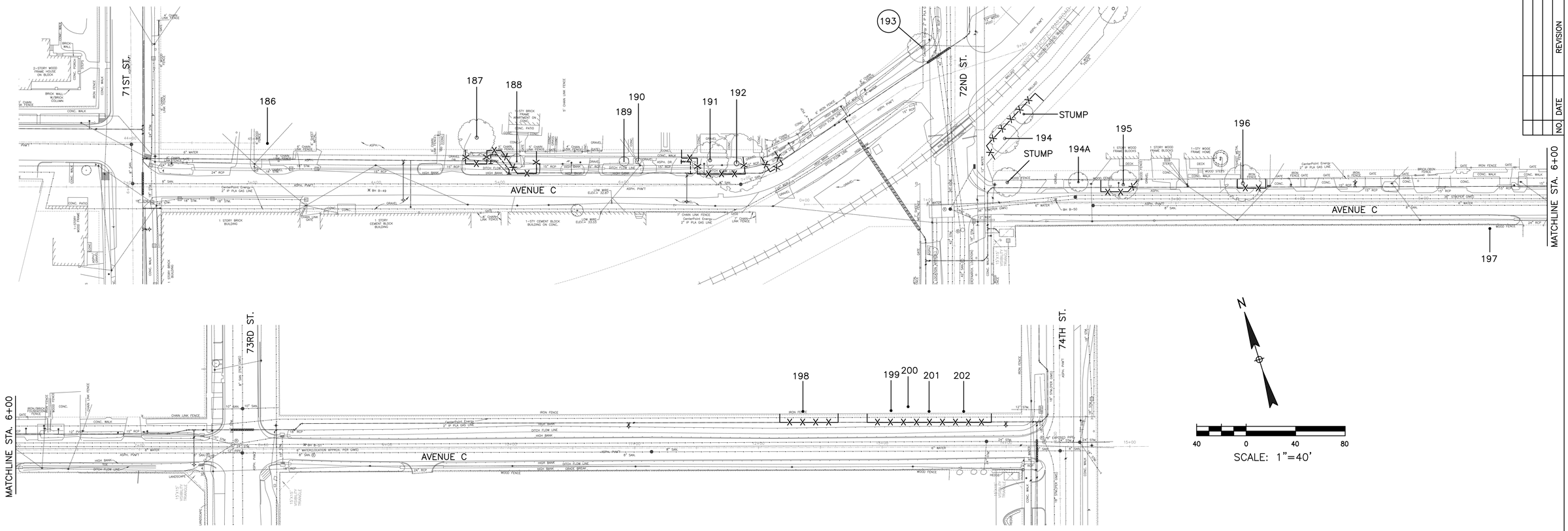

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue C					
186	7109 Ave C	8" Peach	Not protected	Private tree, Not impacted	
187	7123 Ave C	39" Post Oak	Protected	Corridor tree	Root prune for bends, Fence, Bore waterline
188	7123 Ave C	16" Pecan	Protected		Root prune for bends, Fence, Bore waterline
189	7120 Ave C	9" Crepe Myrtle	Not protected		
190	7120 Ave C	5" Crepe Myrtle	Not protected		
191	7132 Ave C	38" Live Oak	Protected		Hand dig tap&lead, Root prune fire hydrant, Fence, Bore waterline
192	7135 Ave C	41" Live Oak	Protected		Hand dig bend, Fence, Bore waterline
193	7145 Ave C	26" Water Oak	Protected	Remove for bends	Remove tree, Provide 26" in replacement/mitigation
194	7205 Ave C	27" American Elm	Protected	25% dieback	Fence
194A	7205 Ave C	18" Sugarberry	Not protected		
195	7207 Ave C	26" Sycamore	Protected		Hand dig tap&lead, Fence, Bore waterline
196	7219 Ave C	23" Live Oak	Protected		Fence, Bore waterline
197	NA	8" Live Oak	Protected	Not impacted	
198	7310 Sherman	17" Shumard Oak	Protected		Fence, Bore waterline
199	124 74th	17" Shumard Oak	Protected		Fence, Bore waterline
200	124 74th	13" Water Oak	Not protected	Private tree	Fence, Bore waterline
201	124 74th	15" Water Oak	Not protected	Private tree	Fence, Bore waterline
202	124 74th	18" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- —X—X— TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 9 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 271 OF 318	

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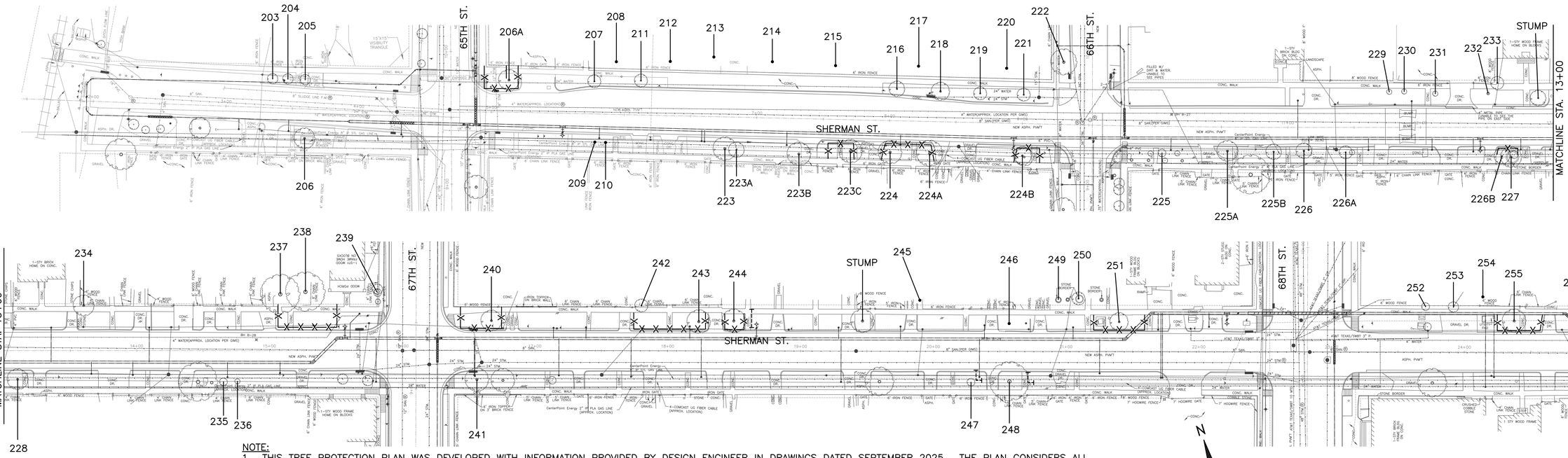

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TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- –X–X– TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

40 0 40 80

SCALE: 1"=40'

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Sherman Street					
203	6411 Sherman	3' Sago	Not protected		
204	6411 Sherman	3' Sago	Not protected		
205	6411 Sherman	3' Sago	Not protected		
206	6410 Sherman	17" Tallow	Not protected		
206A	6501 Sherman	19" Live Oak	Protected		Fence
207	6501 Sherman	16" Live Oak	Protected	Not impacted	
208	6501 Sherman	18" Live Oak	Not protected	Private tree, not impacted	
209	6506 Sherman	3" Arborvitae	Not protected		
210	6506 Sherman	3" Arborvitae	Not protected		
211	6501 Sherman	16" Live Oak	Protected	Not impacted	
212	6501 Sherman	19" Live Oak	Not protected	Private tree, not impacted	
213	6501 Sherman	32" Live Oak	Protected	Corridor tree, not impacted	
214	6501 Sherman	21" Live Oak	Not protected	Private tree, not impacted	
215	6501 Sherman	25" Live Oak	Protected	Corridor tree, not impacted	
216	6501 Sherman	15" Live Oak	Protected	Not impacted	
217	6501 Sherman	23" Live Oak	Not protected	Private tree, not impacted	
218	6501 Sherman	15" Live Oak	Protected	Not impacted	
219	6501 Sherman	11" Live Oak	Protected	Not impacted	
220	6501 Sherman	25" Live Oak	Protected	Corridor tree, not impacted	
221	6501 Sherman	12" Live Oak	Protected	Not impacted	
222	6501 Sherman	23" Live Oak	Protected	Not impacted	
223	6514 Sherman	18" Bradford Pear	Not protected	Topped by CPE	
223A	6514 Sherman	15" Bradford Pear	Not protected	Topped by CPE	
223B	6514 Sherman	18" Raintree	Not protected	Topped by CPE	
223C	6514 Sherman	26" Pecan	Protected	Topped by CPE	Fence, Bore waterline
224	6526 Sherman	22" Pecan	Protected	Topped by CPE	Root prune for tap&lead, Fence, Bore waterline
224A	6526 Sherman	25" Pecan	Protected	Topped by CPE	Fence, Bore waterline
224B	Not available	22" Crepe Myrtle	Protected	Topped by CPE	Fence, Bore waterline
225	6600 Sherman	6" Crepe Myrtle	Not protected		
225A	Not available	10" Catalpa	Not protected		
225B	Not available	3' Agave	Not protected		
226	6606 Sherman	13" Sugarberry	Not protected		
226A	Not available	7" Arborvitae	Not protected		
226B	Not available	4' Sago	Not protected		
227	6626 Sherman	23" Pecan	Protected	Topped, Poor	Fence, Bore waterline

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Sherman Street					
228	6630 Sherman	15" Ligustrum	Not protected		
229	6615 Sherman	7" Live Oak	Protected	Not impacted	
230	6615 Sherman	4" Live Oak	Protected	Not impacted	
231	6615 Sherman	6" Live Oak	Protected	Not impacted	
232	6619 Sherman	5" Live Oak	Protected	Not impacted	
233	6619 Sherman	5" Live Oak	Protected	Not impacted	
234	6623 Sherman	21" Sugarberry	Protected	50% dieback, not impacted	
235	6638 Sherman	13" Crepe Myrtle	Not protected		
236	6638 Sherman	7" Crepe Myrtle	Not protected		
237	6645 Sherman	27" Pecan	Protected	Corridor tree	Fence
238	6645 Sherman	29" Pecan	Protected	Corridor tree	Fence
239	6645 Sherman	11" Sugarberry	Not protected		
240	6703 Sherman	22" Green Ash	Protected		Fence
241	6704 Sherman	24" Green Ash	Protected	Topped by CPE	Hand dig lead
242	6709 Sherman	11" Live Oak	Protected		Fence, Bore waterline
243	6709 Sherman	23" Pecan	Protected	Pruned by CPE	Hand dig tap&lead, Fence, Bore waterline
244	6713 Sherman	27" Pecan	Protected	Pruned by CPE	Root prune fire hydrant, Fence, Bore waterline
245	6717 Sherman	15" Tallow	Not protected		
246	6719 Sherman	5" Oleander	Not protected		
247	6718 Sherman	9" Magnolia	Protected		Root prune for lead
248	6720 Sherman	28" Live Oak	Protected	Topped by CPE	Root prune for lead
249	6721 Sherman	5" Loquat	Not protected	Private tree, Not impacted	
250	6721 Sherman	6" Arborvitae	Not protected	Private tree, Not impacted	
251	6723 Sherman	19" Magnolia	Protected	30% dieback	Fence, Bore waterline
252	Not available	15" Sugarberry	Not protected		
253	Not available	10" American Elm	Not protected	Private tree, Not impacted	
254	Not available	19" Arizona Ash	Not protected	60% dieback, Private tree	
255	6805 Sherman	25" Green Ash	Protected		Fence, Bore waterline
256	6807 Sherman	12" Crepe Myrtle	Not protected		

NO.	DATE	REVISION	APP.

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SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 10 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 272 OF 318	

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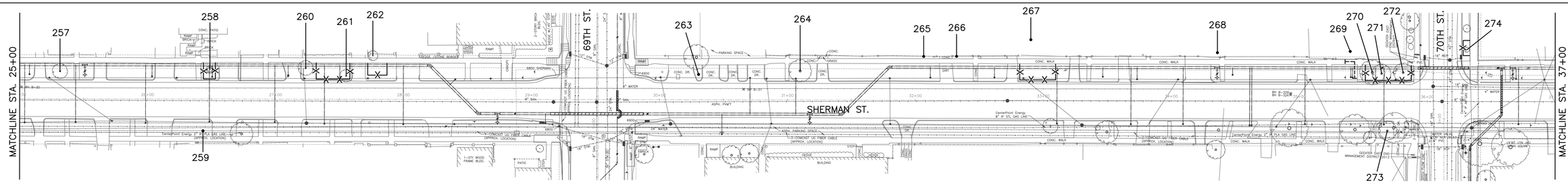

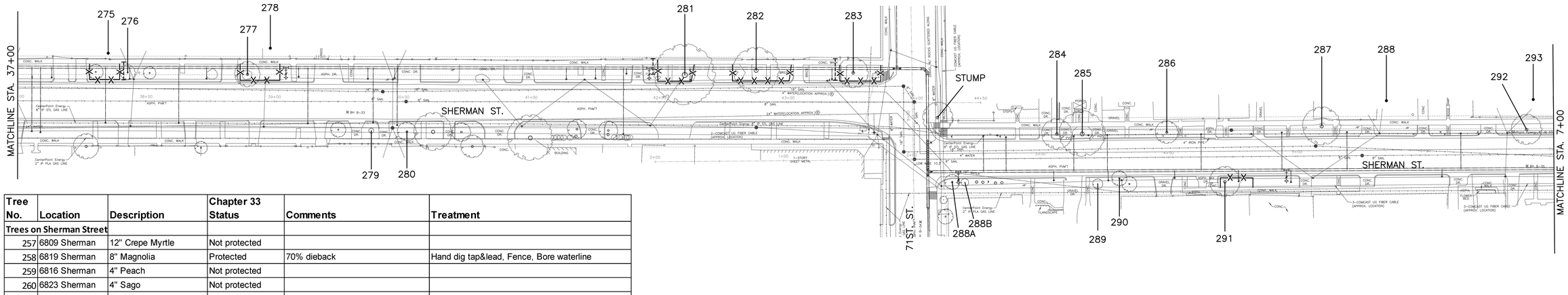

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Sherman Street					
257	6809 Sherman	12" Crepe Myrtle	Not protected		
258	6819 Sherman	8" Magnolia	Protected	70% dieback	Hand dig tap&lead, Fence, Bore waterline
259	6816 Sherman	4" Peach	Not protected		
260	6823 Sherman	4" Sago	Not protected		
261	6823 Sherman	14" Pine	Protected		Hand dig tap&lead, Fence, Bore waterline
262	6823 Sherman	11" Pecan	Protected		Fence, Bore waterline
263	6905 Sherman	4" Live Oak	Protected	Not impacted	
264	6911 Sherman	22" Pecan	Protected		Hand dig lead
265	6915 Sherman	16" Mulberry	Not protected		
266	6915 Sherman	16" Sugarberry	Not protected		
267	Not available	37" Shumard Oak	Protected	Corridor tree	Fence, Bore waterline
268	6933 Sherman	22" Chinaberry	Not protected	Private tree, Not impacted	
269	6945 Sherman	11" Pecan	Not protected	Private tree, Not impacted	
270	6945 Sherman	34" Shumard Oak	Protected		Root prune for tap&lead, Fence, Bore waterline
271	6945 Sherman	11" Crepe Myrtle	Not protected		
272	6945 Sherman	10" Crepe Myrtle	Not protected		
273	6944 Sherman	18" Chinaberry	Not protected	Topped by CPE	
274	7001 Sherman	9" Pecan	Protected		Fence
275	7009 Sherman	37" Live Oak	Protected	Corridor tree	Root prune for tap&lead, Fence, Bore waterline
276	7009 Sherman	3' Sago	Not protected		
277	7011 Sherman	40' Palm	Not protected		
278	7011 Sherman	21" Arizona Ash	Not protected	Private tree	Fence, Bore waterline
279	7018 Sherman	4" Crepe Myrtle	Not protected		
280	7020 Sherman	16" Magnolia	Protected	60% dieback	Hand dig lead
281	7037 Sherman	34" Live Oak	Protected	Pruned by CPE	Root prune for tap&lead, Fence, Bore waterline
282	7037 Sherman	45" Live Oak	Protected	Pruned by CPE	Fence, Bore waterline
283	7045 Sherman	23" Cedar Elm	Protected		Root prune for tap&lead, Fence, Bore waterline
284	7105 Sherman	24" Arizona Ash	Protected		Hand dig lead
285	7105 Sherman	16" Crepe Myrtle	Not protected		
286	7115 Sherman	11" Crepe Myrtle	Not protected		
287	7121 Sherman	27" Shumard Oak	Protected		Root prune for lead
288	7125 Sherman	16" Shumard Oak	Not protected	Private tree, Not impacted	
288A	Not available	7" Pomegranite	Not protected		
288B	Not available	3" Weeping Willow	Not protected		
289	7106 Sherman	2' Sago	Not protected		
290	7106 Sherman	10" Mulberry	Not protected	70% dieback	
291	7118 Sherman	27" Shumard Oak	Protected		Hand dig lead, Fence, Bore waterline
292	Not available	13" Crepe Myrtle	Not protected		
293	Not available	23" Bradford Pear	Not protected	Private tree, Not impacted	

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- —X—X— TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

NOTE:

1. THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED SEPTEMBER 2025. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO DESIGN MAY COMPROMISE THE TREE PROTECTION PLAN. REFER SPECIFICATIONS 01562 AND 02915.

2. CN KOEHL URBAN FORESTRY, INC. HAS NOT BEEN CONTRACTED TO COMPLETE ANY TREE RISK ASSESSMENTS ON THIS PROJECT–THIS TPP INCLUDES PROTECTION MEASURES FOR SPECIES OF TREES PROTECTED BY APPLICABLE ORDINANCE ONLY. CN KOEHL URBAN FORESTRY, INC. DOES NOT GUARANTEE CONDITION OR STRUCTUAL INTEGRITY OF ANY TREE LOCATED ON OR ADJACENT TO THIS PROJECT.

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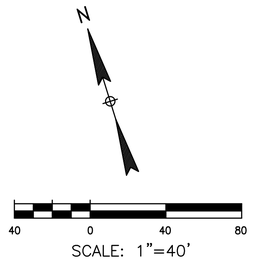

NO.	DATE	REVISION	APP.

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281-391-0022 ckoehl@koehlurbanforestry.com

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SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 11 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 273 OF 318	

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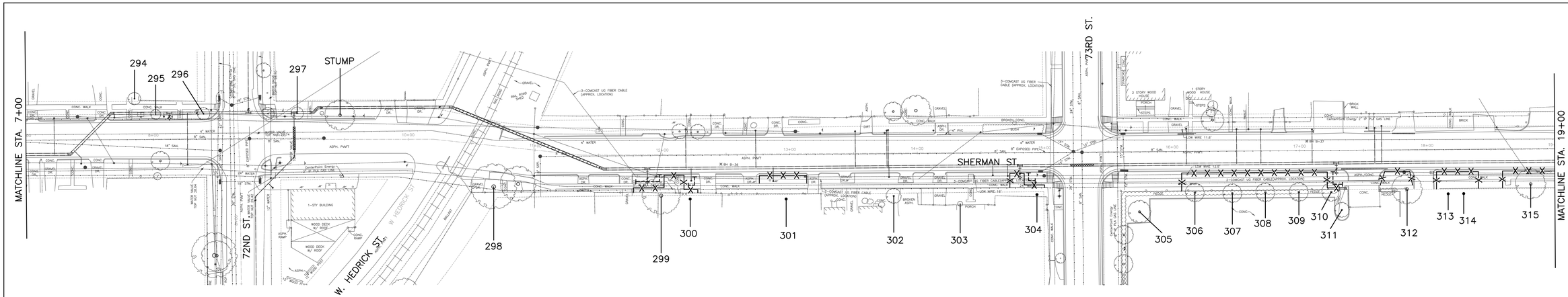

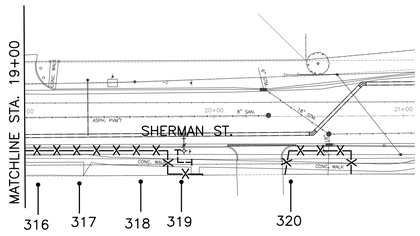

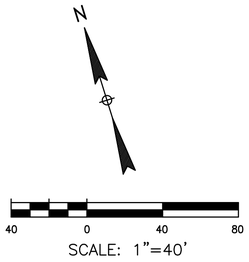

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Sherman Street					
294	7147 Sherman	4' Sago	Not protected	Private tree, Not impacted	
295	7147 Sherman	8" Crepe Myrtle	Not protected		
296	7147 Sherman	3' Sago	Not protected		
297	7201 Sherman	3" Olive	Not protected		
298	7214 Sherman	31" Tallow	Protected		Hand dig lead
299	7216 Sherman	22" Bald Cypress	Protected		Root prune fire hydrant, Fence, Bore waterline
300	7216 Sherman	14" Pecan	Not protected	Private tree	Root prune for tap&lead, Fence, Bore waterline
301	7224 Sherman	25" Tallow	Not protected	Private tree	Fence, Bore waterline
302	7238 Sherman	11" Crepe Myrtle	Not protected	Private tree, Not impacted	
303	7244 Sherman	6" Loquat	Not protected	Private tree, Not impacted	
304	7248 Sherman	19" Sweet Gum	Not protected	Private tree	Root prune fire hydrant, Fence, Bore waterline
305	Not available	18" Live Oak	Not protected	Private tree, Not impacted	
306	Not available	13" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
307	Not available	13" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
308	Not available	12" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
309	Not available	12" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
310	Not available	13" Lacebark Elm	Not protected	Private tree	Root prune for fire hydrant, Fence, Bore waterline
311	Not available	12" Live Oak	Not protected	Private tree, Not impacted	
312	7310 Sherman	21" Hackberry	Protected		Fence, Bore waterline
313	7310 Sherman	14" Pine	Not protected	Private tree	Fence, Bore waterline
314	7310 Sherman	16" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
315	7320 Sherman	23" Live Oak	Protected	Topped by CPE	Fence, Bore waterline
316	7320 Sherman	13" Lacebark Elm	Protected	Topped by CPE	Fence, Bore waterline
317	7320 Sherman	12" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
318	7320 Sherman	12" Lacebark Elm	Not protected	Private tree	Fence, Bore waterline
319	7320 Sherman	13" Lacebark Elm	Not protected	Private tree	Root prune fire hydrant, Fence, Bore waterline
320	7320 Sherman	22" Live Oak	Not protected	Private tree	Fence, Bore waterline

TREE PRESERVATION PLAN LEGEND

1	TREE NUMBER/LOCATION
(1)	TREE TO BE REMOVED
–X–X–	TREE PROTECTION FENCE
⊢------⊣	ROOT PRUNING TRENCH

NOTE:

1. THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED SEPTEMBER 2025. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO DESIGN MAY COMPROMISE THE TREE PROTECTION PLAN. REFER SPECIFICATIONS 01562 AND 02915.

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4. THE CONTRACTOR'S ARBORIST WILL MARK LOCATIONS OF TREES TO BE PLANTED AND OBTAIN APPROVAL BY CITY ENGINEER AND CITY FORESTER BEFORE PURCHASING OR EXCAVATING PLANTING HOLE OF EACH TREE.

NO.	DATE	REVISION	APP.

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SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 12 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 274 OF 318	

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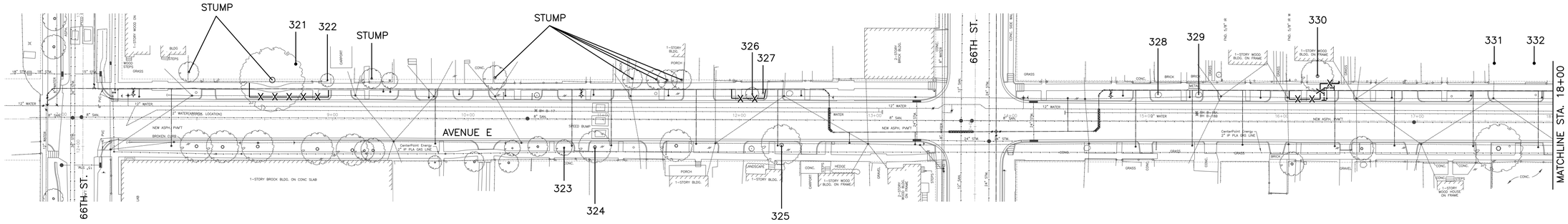

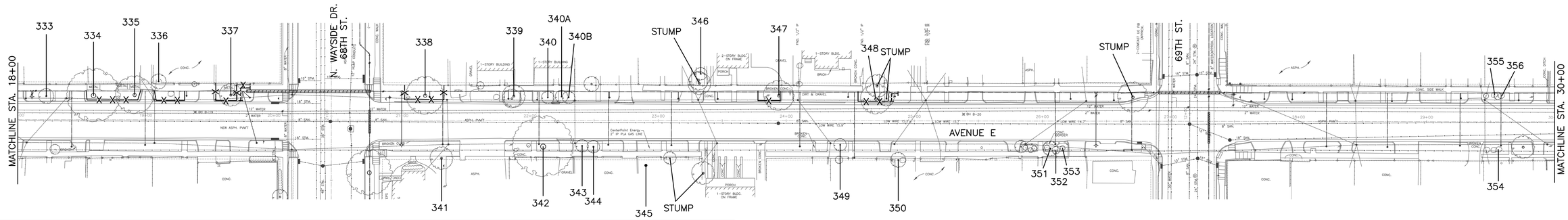

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue E					
321	6611 Ave E	31" Sugarberry	Not protected	60% dieback, Private tree	Fence, Bore waterline
322	6611 Ave E	12" Pecan	Protected		Fence, Bore waterline
323	6620 Ave E	10" Crepe Myrtle	Not protected		
324	6622 Ave E	18" Crepe Myrtle	Not protected		
325	6626 Ave E	27" Live Oak	Protected		Hand dig lead
326	6635 Ave E	14" Water Oak	Protected		Fence, Bore waterline
327	6635 Ave E	3" Crepe Myrtle	Not protected		
328	6707 Ave E	3' Sago	Not protected		
329	6707 Ave E	4' Sago	Not protected		
330	6773 Ave E	27" Pecan	Protected	Corridor tree	Root prune for tap&lead, Fence, Bore waterline
331	6729 Ave E	22" Magnolia	Protected	Corridor tree	
332	6729 Ave E	18" Magnolia	Not protected	Private tree, Not impacted	
333	6733 Ave E	14" Chinaberry	Not protected		
334	6737 Ave E	41" Live Oak	Protected		Fence, Bore waterline
335	6737 Ave E	28" Live Oak	Protected		Fence, Bore waterline
336	6741 Ave E	18" Live Oak	Protected		Fence, Bore waterline
337	6747 Ave E	19" Live Oak	Protected		Root stimulate, Root prune for bends, Fence, Bore waterline, Clearance prune
338	6801 Ave E	34" Post Oak	Protected		Hand dig tap&lead, Fence, Bore waterline
339	6807 Ave E	18" Hackberry	Not protected		
340	6814 Ave E	8" Crepe Myrtle	Not protected		
340A	6814 Ave E	10" Crepe Myrtle	Not protected		
340B	6814 Ave E	9" Crepe Myrtle	Not protected		
341	6800 Ave E	19" Live Oak	Protected	Pruned by CPE	Hand dig lead
342	6804 Ave E	29" American Elm	Protected	Topped	Hand dig lead
343	6806 Ave E	9" Arborvitae	Not protected		
344	6806 Ave E	9" Arborvitae	Not protected		
345	6810 Ave E	17" Camphor	Not protected	Private tree, Not impacted	
346	6819 Ave E	11" Hackberry	Not protected	Private tree, Not impacted	
347	6823 Ave E	23" Pecan	Protected	40% dieback	Fence, Bore waterline
348	6831 Ave E	21" Live Oak	Protected		Root prune tap&lead, Fence, Bore waterline
349	6830 Ave E	9" Hackberry	Not protected		
350	6832 Ave E	8" Juniper	Not protected		
351	6892 Ave E	3" Ligustrum	Not protected		
352	6892 Ave E	3" Ligustrum	Not protected		
353	6892 Ave E	3" Ligustrum	Not protected		
354	6916 Ave E	3" Crepe Myrtle	Not protected		
355	6915 Ave E	8" Loquat	Not protected		
356	6915 Ave E	3' Sago	Not protected		

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- —X—X— TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

NOTE:

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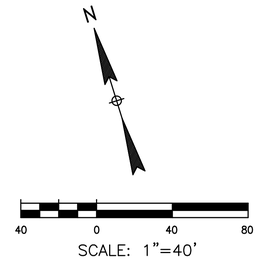

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NO.	DATE	REVISION	APP.

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 13 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 275 OF 318	

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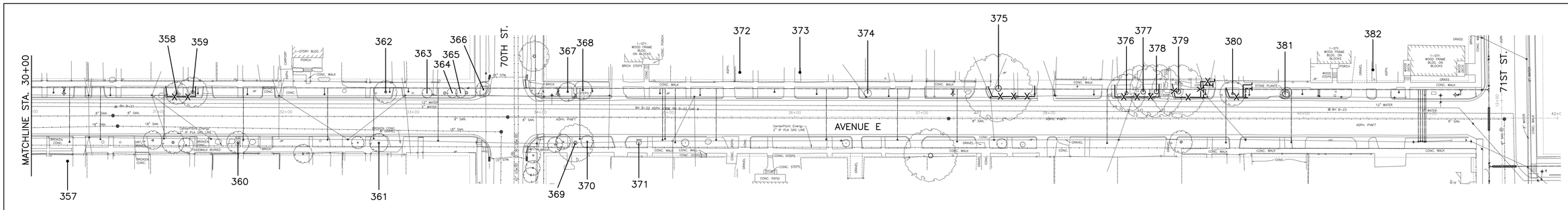

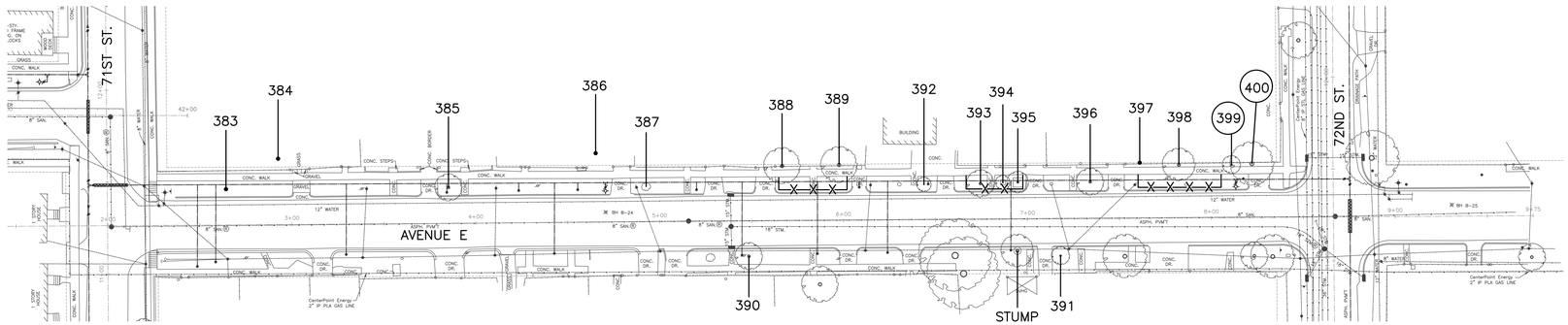

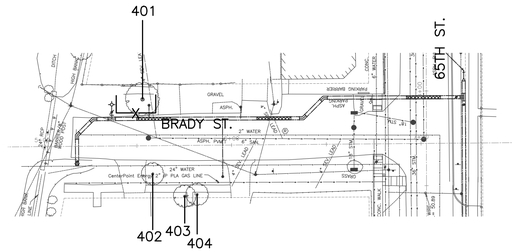

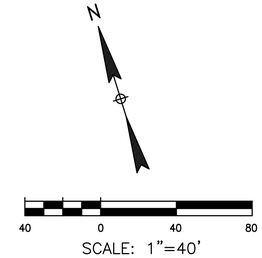

TREE PRESERVATION PLAN LEGEND

1	TREE NUMBER/LOCATION
①	TREE TO BE REMOVED
—X—X—	TREE PROTECTION FENCE
------	ROOT PRUNING TRENCH

NOTE:

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Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue E					
357	6918 Ave E	19" Magnolia	Not protected	Private tree, Not impacted	
358	6921 Ave E	7" Crepe Myrtle	Not protected		
359	6921 Ave E	21" Crepe Myrtle	Protected		Hand dig tap&lead, Fence, Bore waterline
360	6924 Ave E	20" Green Ash	Protected	Topped	Hand dig lead
361	6942 Ave E	13" Arborvitae	Not protected		
362	6929 Ave E	16" Crepe Myrtle	Not protected		
363	6931 Ave E	4" Crepe Myrtle	Not protected		
364	6931 Ave E	4" Crepe Myrtle	Not protected		
365	6931 Ave E	3' Palm	Not protected		
366	6931 Ave E	4' Sago	Not protected		
367	7001 Ave E	7" Crepe Myrtle	Not protected		
368	7001 Ave E	7" Crepe Myrtle	Not protected		
369	7002 Ave E	13" Crepe Myrtle	Not protected		
370	7002 Ave E	4" Crepe Myrtle	Not protected		
371	7008 Ave E	13" Crepe Myrtle	Not protected		
372	7009 Ave E	16" China Berry	Not protected	Private tree, Not impacted	
373	7013 Ave E	9" Arborvitae	Not protected	Private tree, Not impacted	
374	7015 Ave E	12" Crepe Myrtle	Not protected		
375	7029 Ave E	47" Live Oak	Protected		Fence, Bore waterline
376	7037 Ave E	29" Live Oak	Protected		Fence, Bore waterline
377	7037 Ave E	45" Live Oak	Protected		Hand dig tap&lead, Fence, Bore waterline
378	7037 Ave E	43" Live Oak	Protected		Fence, Bore waterline
379	7039 Ave E	37" Live Oak	Protected		Root prune tap&lead, Fence, Bore waterline
380	7039 Ave E	23" Pecan	Protected		Root prune tap&lead, Fence, Bore waterline
381	7045 Ave E	12" Mulberry	Not protected		
382	7049 Ave E	25' Palm	Not protected	Private tree, Not impacted	
383	NA	3" Ligustrum	Not protected		
384	NA	8" Mulberry	Not protected	Private tree, Not impacted	
385	7111 Ave E	15" Arborvitae	Not protected		
386	7117 Ave E	33" Pecan	Protected	Corridor tree, Dead, Not impacted	
387	7117 Ave E	2" Crepe Myrtle	Not protected		
388	7125 Ave E	23" Pecan	Protected		Fence, Bore waterline
389	7125 Ave E	24" Pecan	Protected		Fence, Bore waterline
390	7120 Ave E	7" Crepe Myrtle	Not protected		
391	7138 Ave E	8" Ligustrum	Not protected		
392	7131 Ave E	3' Palm	Not protected		
393	7135 Ave E	50' Palm	Not protected		
394	7135 Ave E	5' Palm	Not protected		
395	7135 Ave E	14" Bur Oak	Protected		Fence, Bore waterline
396	7139 Ave E	40' Palm	Not protected		
397	501 72nd	7" Pecan	Protected		Fence, Bore waterline
398	501 72nd	22" American Elm	Protected		Fence, Bore waterline
399	501 72nd	12" Pecan	Protected	Remove for bends	Remove tree, Provide 12" in replacement/mitigation
400	501 72nd	21" Green Ash	Protected	Remove for bends	Remove tree, Provide 21" in replacement/mitigation
Trees on Brady Street					
401	6415 Brady	20" Live Oak	Protected		Hand dig lead, Fence, Bore waterline
402	6416 Brady	10" Crepe Myrtle	Not protected		
403	6416 Brady	13" Arborvitae	Not protected		
404	6416 Brady	13" Arborvitae	Not protected		

NO.	DATE	REVISION	APP.

C.N. Koehl
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APPROVED:

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SURVEYED BY:
LANDTECH, INC.
FB NO. P–6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 14 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 276 OF 318	

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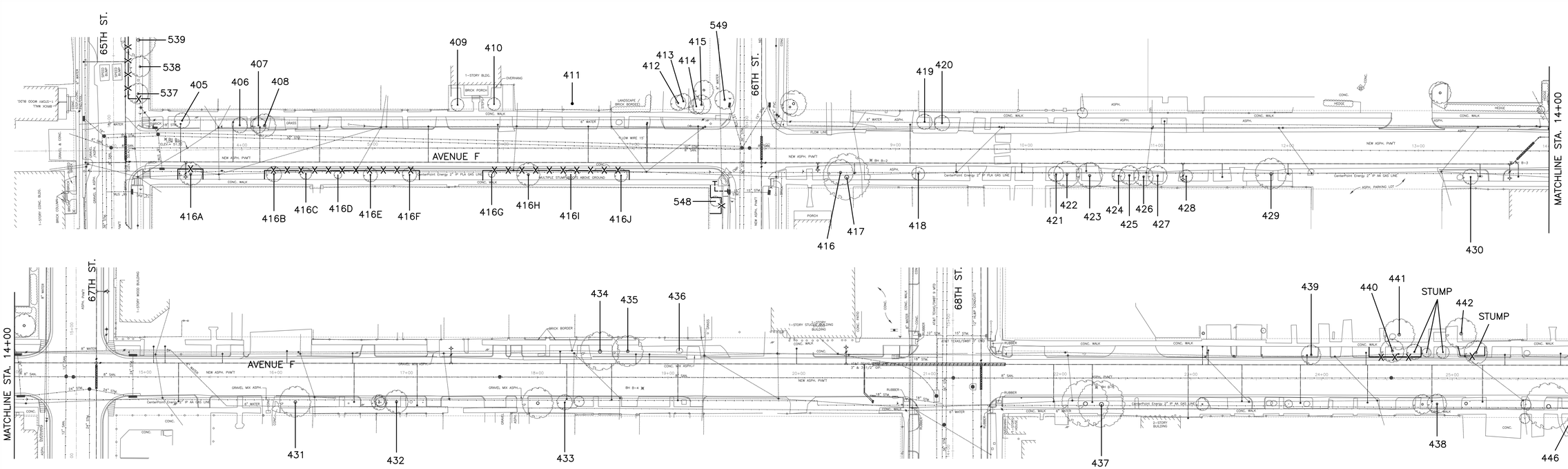

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue F					
405	6501 Ave F	17" Arborvitae	Not protected		
406	6505 Ave F	8" Crepe Myrtle	Not protected		
407	6505 Ave F	12" Crepe Myrtle	Not protected		
408	6505 Ave F	18" Crepe Myrtle	Not protected		
409	6517 Ave F	14" Magnolia	Not protected	Private tree	Fence, Bore waterline
410	6517 Ave F	17" Magnolia	Not protected	Private tree	Root prune for tap&lead, Fence, Bore waterline
411	6525 Ave F	13" Rain tree	Not protected		
412	6531 Ave F	5' Sago	Not protected	Private tree, Not impacted	
413	6531 Ave F	5' Sago	Not protected	Private tree, Not impacted	
414	6531 Ave F	5' Sago	Not protected	Private tree, Not impacted	
415	6531 Ave F	5' Sago	Not protected	Private tree, Not impacted	
416	6602 Ave F	17" Arizona Ash	Not protected		
416A	6501 Sherman	15" Baldcypress	Protected		Hand dig fire hydrant, Fence, Bore waterline
416B	6501 Sherman	12" Baldcypress	Protected		Fence, Bore waterline
416C	6501 Sherman	11" Baldcypress	Protected		Fence, Bore waterline
416D	6501 Sherman	6" Baldcypress	Protected		Fence, Bore waterline
416E	6501 Sherman	11" Baldcypress	Protected		Fence, Bore waterline
416F	6501 Sherman	12" Baldcypress	Protected		Fence, Bore waterline
416G	6501 Sherman	6" Baldcypress	Protected		Fence, Bore waterline
416H	6501 Sherman	13" Baldcypress	Protected		Fence, Bore waterline
416I	6501 Sherman	7" Baldcypress	Protected		Fence, Bore waterline
416J	6501 Sherman	10" Baldcypress	Protected		Fence, Bore waterline
417	6602 Ave F	15" Arizona Ash	Not protected		
418	6608 Ave F	9" Crepe Myrtle	Not protected		
419	6613 Ave F	8" Crepe Myrtle	Not protected	Topped	
420	6613 Ave F	8" Crepe Myrtle	Not protected	Topped	
421	6620 Ave F	2" Crepe Myrtle	Not protected		
422	6620 Ave F	11" Crepe Myrtle	Not protected		
423	6620 Ave F	11" Crepe Myrtle	Not protected		
424	6622 Ave F	7" Crepe Myrtle	Not protected		
425	6622 Ave F	7" Crepe Myrtle	Not protected		
426	6622 Ave F	7" Crepe Myrtle	Not protected		
427	6622 Ave F	7" Crepe Myrtle	Not protected		
428	6624 Ave F	11" Crepe Myrtle	Not protected		
429	6628 Ave F	16" Tallow	Not protected		
430	6644 Ave F	14" Crepe Myrtle	Not protected	Topped	
431	6712 Ave F	22" Crepe Myrtle	Protected	Not impacted	
432	6722 Ave F	16" Arizona Ash	Not protected	Dead	
433	6728 Ave F	11" Crepe Myrtle	Not protected		
434	6717 Ave F	18" Crepe Myrtle	Not protected	Topped	
435	6717 Ave F	13" Crepe Myrtle	Not protected	Topped	
436	6719 Ave F	1' Agave	Not protected		
437	6806 Ave F	22" Crepe Myrtle	Protected		Hand dig lead
438	6818 Ave F	21" Live Oak	Protected		Hand dig lead
439	6817 Ave F	11" Crepe Myrtle	Not protected		
440	6813 Ave F	10" Crepe Myrtle	Not protected		
441	6823 Ave F	22" Pecan	Not protected	Private tree	Fence, Bore waterline
442	6825 Ave F	23" Pecan	Not protected	Private tree	Fence, Bore waterline
446	6822 Ave F	4" Crepe Myrtle	Not protected		

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- ① — TREE TO BE REMOVED
- —X—X— TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

NOTE:

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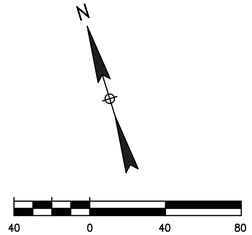

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

C.N. Koehl
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 15 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 277 OF 318	

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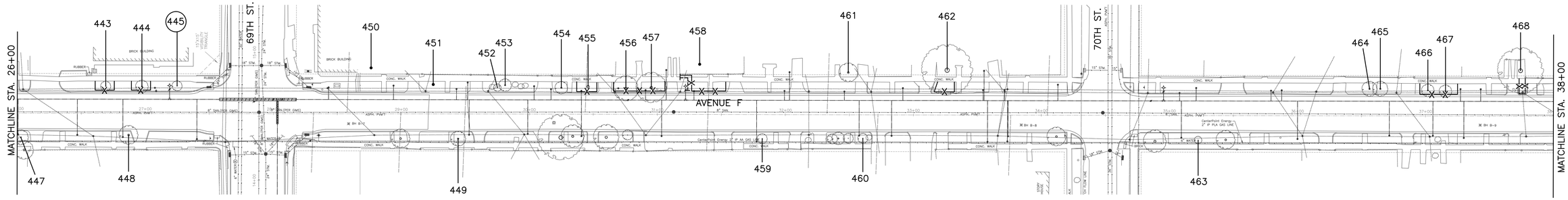

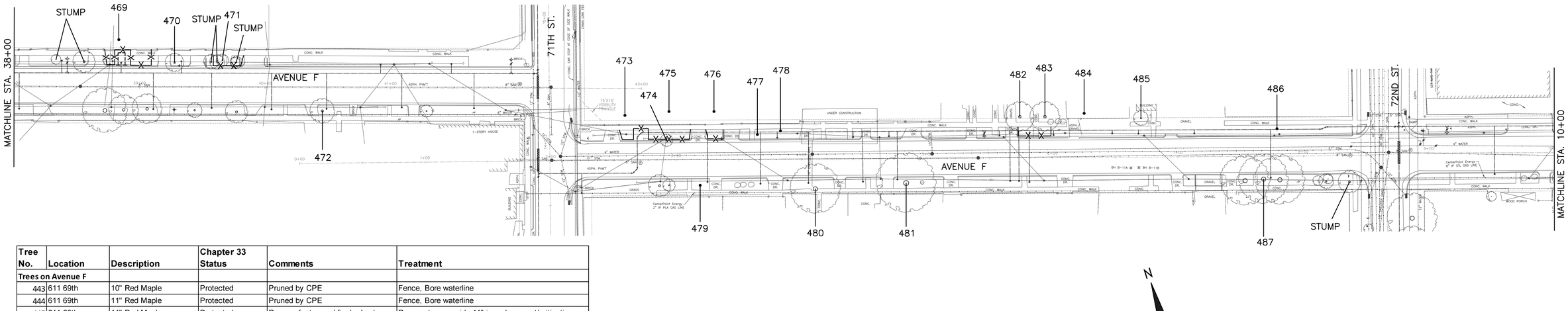

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue F					
443	611 69th	10" Red Maple	Protected	Pruned by CPE	Fence, Bore waterline
444	611 69th	11" Red Maple	Protected	Pruned by CPE	Fence, Bore waterline
445	611 69th	11" Red Maple	Protected	Remove for tee and fire hydrant	Remove tree, provide 11" in replacement/mitigation
447	6822 Ave F	3' Sago	Not protected		
448	6840 Ave F	16" Pecan	Protected		Hand dig lead
449	6912 Ave F	16" China berry	Not protected		
450	6905 Ave F	8" Crepe Myrtle	Not protected	Private tree, Not impacted	
451	6917 Ave F	4" Crepe Myrtle	Not protected	Topped	
452	6919 Ave F	3" Crepe Myrtle	Not protected		
453	6919 Ave F	9" Eastern Red Cedar	Not protected		
454	6921 Ave F	2' Sago	Not protected		
455	6921 Ave F	9" Live Oak	Protected		Fence, Bore waterline
456	6923 Ave F	21" Magnolia	Protected		Fence, Bore waterline
457	6923 Ave F	24" Magnolia	Protected		Hand dig tap&lead, Fence, Bore waterline
458	6927 Ave F	24" Tallow	Protected		Root prune for fire hydrant, Fence, Bore waterline
459	6930 Ave F	1' Sago	Not protected		
460	6936 Ave F	11" Magnolia	Protected		Hand dig lead
461	6939 Ave F	12" Arborvitae	Not protected	Private tree, Not impacted	
462	6943 Ave F	27" Camphor	Not protected	Topped, Private tree	Fence, Bore waterline
463	7002 Ave F	2" Crepe Myrtle	Not protected		
464	7011 Ave F	5' Palm	Not protected		
465	7011 Ave F	5' Palm	Not protected		
466	7013 Ave F	12" Live Oak	Protected		Fence, Bore waterline
467	7013 Ave F	12" Live Oak	Protected		Fence, Bore waterline
468	7017 Ave F	28" Tallow	Not protected	Private tree	Fence, Bore waterline
469	7023 Ave F	28" American Elm	Protected	Corridor Tree	Root prune for tap&lead, Fence, Bore waterline
470	7037 Ave F	14" Crepe Myrtle	Not protected		
471	7039 Ave F	12" Live Oak	Protected		Fence, Bore waterline
472	7040 Ave F	13" Crepe Myrtle	Not protected		
473	7102 Canal Str	10" Live Oak	Not protected	Private tree	Fence
474	7102 Canal Str	13" Pecan	Protected		Fence, Bore waterline
475	7102 Canal Str	12" Live Oak	Not protected	Private tree	Fence, Bore waterline
476	7111 Ave F	10" Live Oak	Not protected	Private tree	Fence, Bore waterline
477	7115 Ave F	4" Vitex	Not protected		
478	7115 Ave F	4" Vitex	Not protected		
479	7106 Ave F	4" Pecan	Protected		Keep excavation for lead at least 5' from trunk
480	7114 Ave F	37" Sycamore	Protected		Hand dig lead
481	7118 Ave F	35" Live Oak	Protected		Hand dig lead
482	7129 Ave F	28" Live Oak	Protected	Corridor Tree	Fence, Bore waterline
483	7129 Ave F	23" Green Ash	Protected	Corridor Tree	Root prune for tap&lead, Fence, Bore waterline
484	7125 Ave F	18" Tallow	Not protected	Private tree, Not impacted	
485	7127 Ave F	4' Sago	Not protected		
486	NA	7" Tallow	Not protected		
487	7144 Ave F	34" Live Oak	Protected		Hand dig lead

TREE PRESERVATION PLAN LEGEND

- 1 — TREE NUMBER/LOCATION
- (1) — TREE TO BE REMOVED
- —X—X— TREE PROTECTION FENCE
- ROOT PRUNING TRENCH

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 16 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 278 OF 318	

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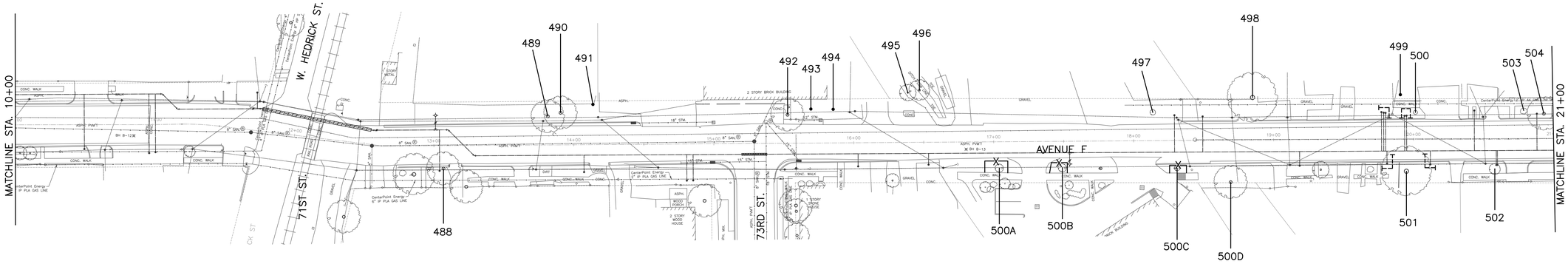

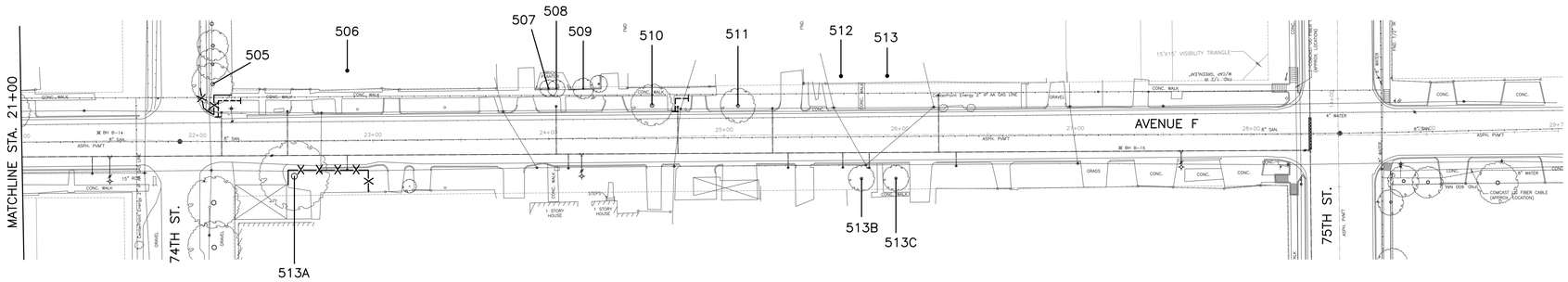

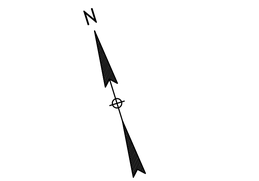

SCALE: 1"=40'

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on Avenue F					
488	7232 Ave F	13" Crepe Myrtle	Not protected		
489	7301 Ave F	3" Crepe Myrtle	Not protected		
490	7301 Ave F	4" Crepe Myrtle	Not protected		
491	7301 Ave F	14" Sugarberry	Not protected		
492	7301 Ave F	11" Crepe Myrtle	Not protected		
493	7301 Ave F	9" Crepe Myrtle	Not protected		
494	7301 Ave F	13" Crepe Myrtle	Not protected		
495	7323 Ave F	9" Mulberry	Not protected	Private tree, Not impacted	
496	7323 Ave F	18" Tallow	Not protected	Private tree, Not impacted	
497	7323 Ave F	6" Chinaberry	Not protected		
498	7325 Ave F	34" American Elm	Protected	Corridor Tree	
499	7337 Ave F	19" Pine	Not protected	Private tree	Root prune for lead
500	7337 Ave F	5" Weeping Willow	Not protected		
500A	7318 Ave F	5" Pine	Protected		Fence, Bore waterline
500B	7318 Ave F	5" Pine	Protected		Fence, Bore waterline
500C	7318 Ave F	5" Pine	Protected		Fence, Bore waterline
500D	7318 Ave F	5" Pine	Protected		Fence, Bore waterline
501	7334 Ave F	26" Eastern Red Cedar	Protected		Root prune for lead
502	7348 Ave F	12" Live Oak	Protected		Hand dig lead
503	7341 Ave F	4" Crepe Myrtle	Not protected		
504	7341 Ave F	17" Crepe Myrtle	Not protected		
505	7401 Ave F	15" Live Oak	Protected		Root prune for fire hydrant, Fence
506	7405 Ave F	29" Pecan	Protected	Corridor Tree	
507	NA	6' Palm	Not protected		
508	NA	6' Palm	Not protected		
509	NA	2' Sago	Not protected		
510	7427 Ave F	25" Live Oak	Protected		Root prune lead
511	7425 Ave F	16" Magnolia	Protected	Not impacted	
512	7429 Ave F	14" Arborvitae	Not protected	Private tree, Not impacted	
513	7429 Ave F	23" Pecan	Protected	Not impacted	
513A	7404 Ave F	32" Live Oak	Protected	Pruned by CPE	Fence, Bore waterline
513B	7432 Ave F	40' Palm	Not protected	Private tree, Not impacted	
513C	7432 Ave F	40' Palm	Not protected	Private tree, Not impacted	

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 17 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 279 OF 318	

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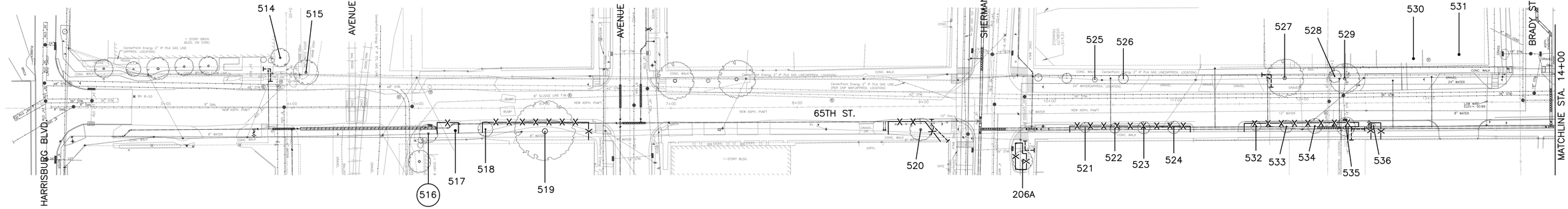

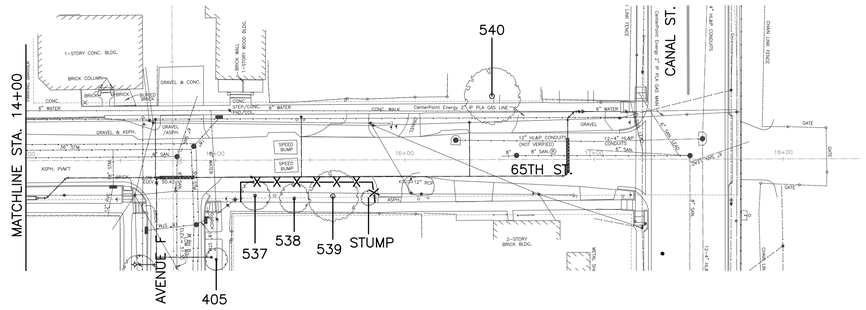

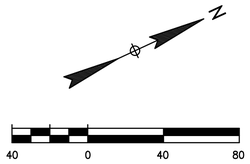

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 65th Street					
514	6425 Harrisburg	16" Live Oak	Not protected	Private tree	Root prune for lead
515	6425 Harrisburg	22" Green Ash	Protected	Not impacted	
516	202 65th	12" Green Ash	Protected	Remove for vertical bend	Remove tree, provide 12" in replacement/mitigation
517	202 65th	19" Green Ash	Protected	Topped by CPE	Fence, Bore waterline
518	202 65th	13" Green Ash	Protected	Topped by CPE	Fence, Bore waterline
519	202 65th	35" Durand Oak	Protected	Topped by CPE	Fence, Bore waterline
520	308 65th	22" Live Oak	Protected	Topped by CPE	Root prune for bends, Fence, Bore waterline
521	6501 Sherman	12" Bald Cypress	Protected	Topped by CPE	Fence, Bore waterline
522	6501 Sherman	11" Bald Cypress	Protected	Topped by CPE	Fence, Bore waterline
523	6501 Sherman	12" Bald Cypress	Protected	Topped by CPE	Fence, Bore waterline
524	6501 Sherman	12" Bald Cypress	Protected	Topped by CPE	Fence, Bore waterline
525	NA	8" Hackberry	Not protected		
526	NA	13" Crepe Myrtle	Not protected		
527	405 65th	27" Live Oak	Protected		Root prune for lead
528	501 65th	7" Juniper	Not protected		
529	501 65th	17" Crepe Myrtle	Not protected		
530	503 65th	15" Crepe Myrtle	Not protected	Private tree, Not impacted	
531	505 65th	18" Crepe Myrtle	Not protected	Private tree, Not impacted	
532	6501 Sherman	7" Chinese Pistache	Protected		Fence, Bore waterline
533	6501 Sherman	8" Chinese Pistache	Protected		Fence, Bore waterline
534	6501 Sherman	7" Chinese Pistache	Protected		Fence, Bore waterline
535	6501 Sherman	15" Chinese Pistache	Protected		Root prune for bends, Fence, Bore waterline
536	6501 Sherman	5" Chinese Pistache	Protected		Fence, Bore waterline
537	6501 Ave F	1" Peach	Not protected		
538	6501 Ave F	17" Live Oak	Protected		Fence, Bore waterline
539	6501 Ave F	23" Live Oak	Protected		Fence, Bore waterline
540	611 65th	28" Green Ash	Protected	Not impacted	

NO.	DATE	REVISION	APP.

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LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 18 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 280 OF 318	

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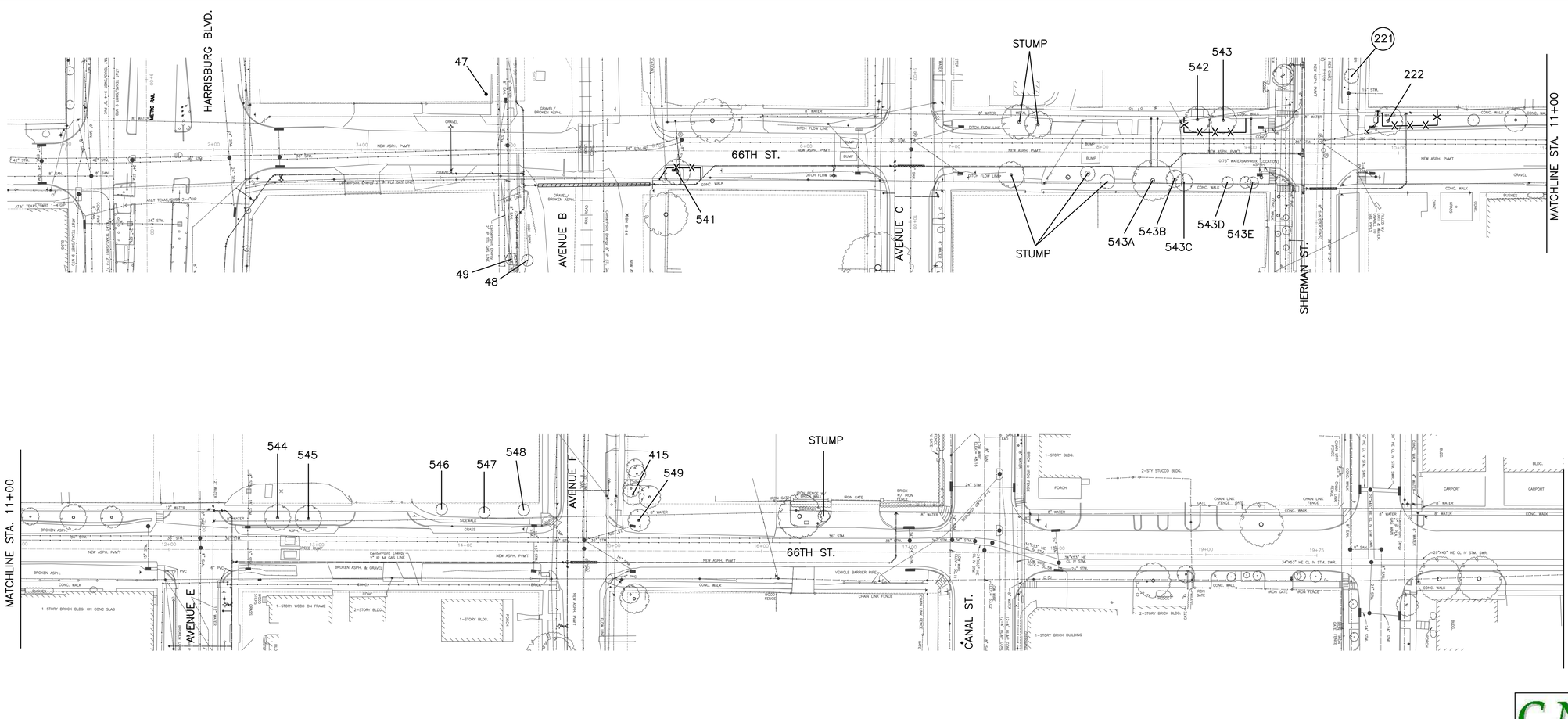

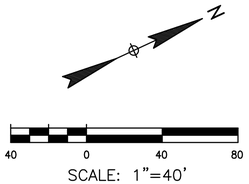

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 66th Street					
541	204 66th	18" American Elm	Protected	Topped by CPE	Fence, Bore waterline
542	6530 Sherman	25" Green Ash	Protected		Hand dig tap&lead, Fence, Bore waterline
543	6530 Sherman	22" Green Ash	Protected		Fence, Bore waterline
543A	6600 Sherman	13" Crepe Myrtle	Not protected		
543B	6600 Sherman	5" Crepe Myrtle	Not protected		
543C	6600 Sherman	11" Crepe Myrtle	Not protected		
543D	6600 Sherman	6" Crepe Myrtle	Not protected		
544	6501 Sherman	20" Live Oak	Protected	Not impacted	
545	6501 Sherman	21" Live Oak	Protected	Not impacted	
546	NA	8" Bur Oak	Protected	Not impacted	
547	NA	8" Bur Oak	Protected	Not impacted	
548	NA	9" Bur Oak	Protected	Not impacted	
549	6531 Ave F	14" Magnolia	Protected	Dead	

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 19 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 281 OF 318	

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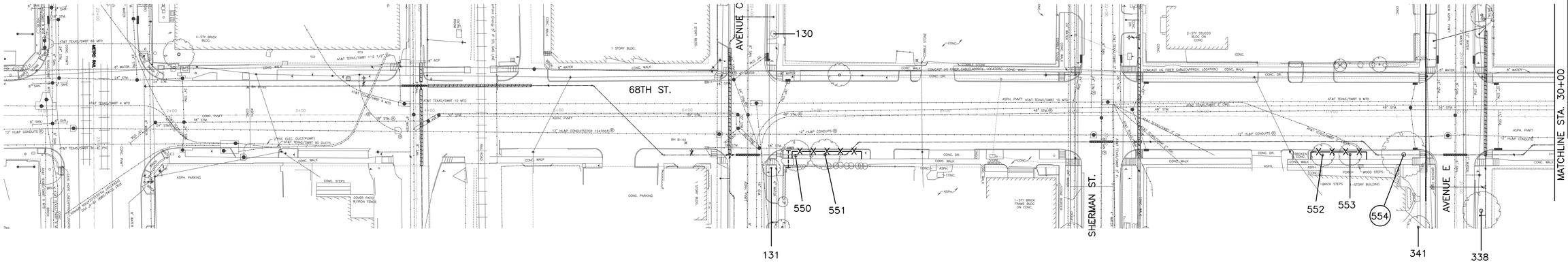

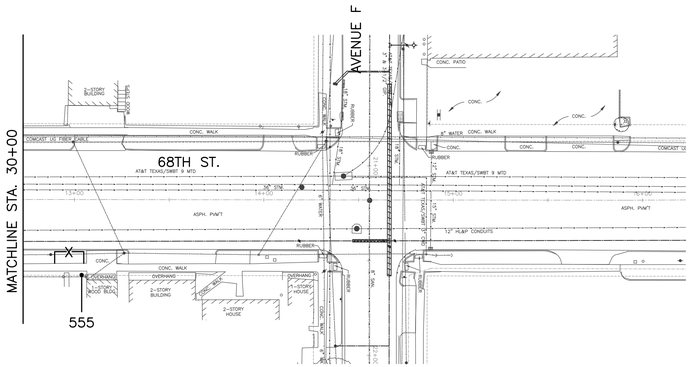

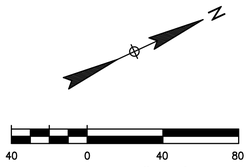

SCALE: 1"=40'

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 68th Street					
550	6805 Ave C	24" Post Oak	Protected		Root prune for bends, Fence, Bore waterline
551	6805 Ave C	22" Live Oak	Protected		Fence, Bore waterline
552	6802 Sherman	21" Live Oak	Protected		Fence, Bore waterline
553	6800 Ave E	15" Live Oak	Protected	40% dieback	Fence, Bore waterline
554	6800 Ave E	29" Live Oak	Protected	Remove for vertical bend	Remove tree, Provide 29" in replacement/mitigation
555	502 Wayside Dr	6" American Elm	Protected		Fence, Bore waterline

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 20 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 282 OF 318	

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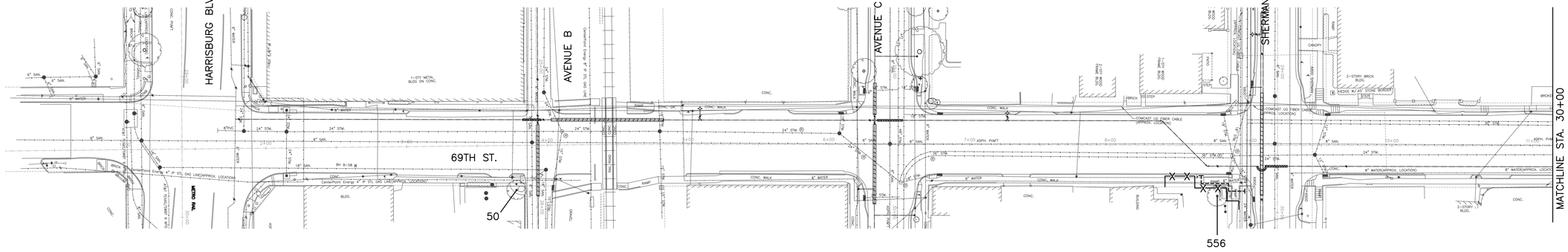

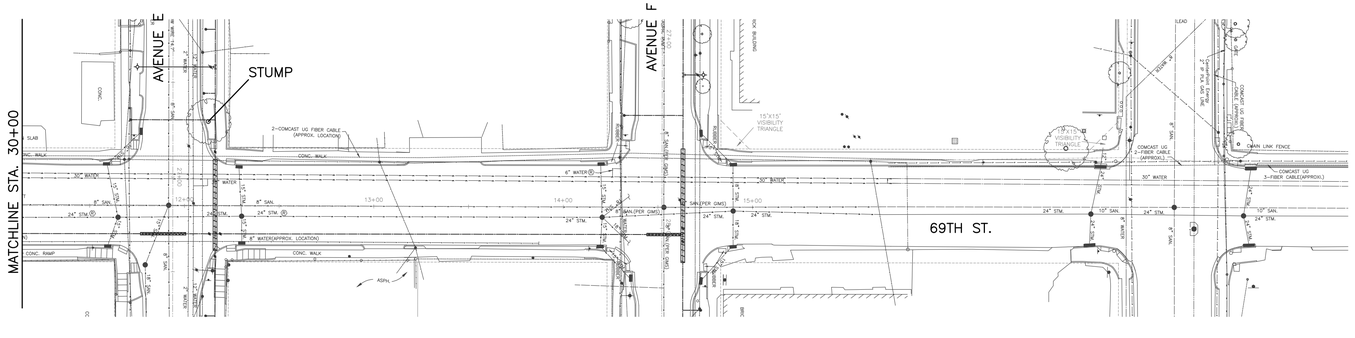

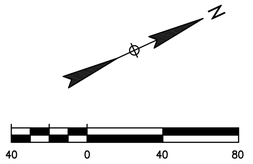

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 69th Street					
556	6902 Sherman	21" Magnolia	Not protected	Private tree	Root prune for bends, Fence, Bore waterline

NO.	DATE	REVISION	APP.

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 21 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 283 OF 318	

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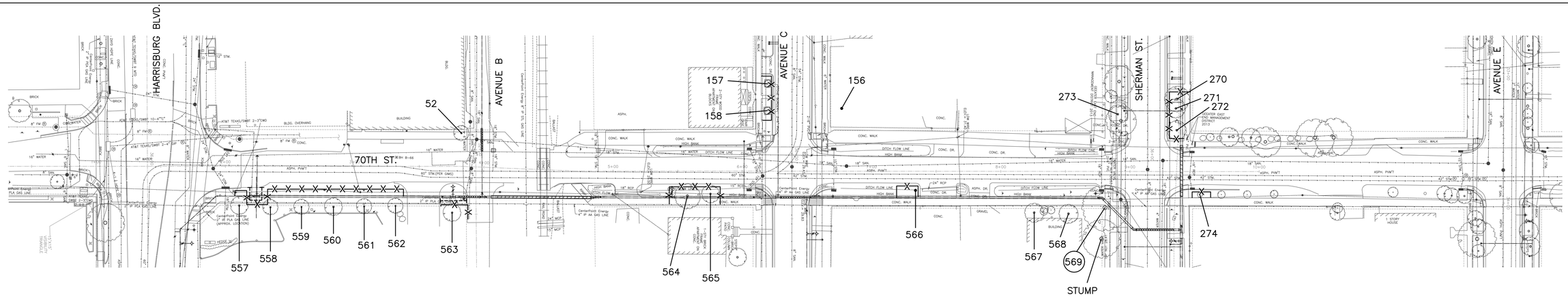
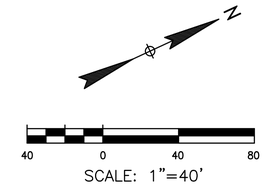


Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 70th Street					
557	7001 Harrisburg	15" Live Oak	Protected		Root prune for bends, Fence, Bore waterline
558	7001 Harrisburg	14" Live Oak	Protected		Root prune for bends, Fence, Bore waterline
559	7001 Harrisburg	14" Live Oak	Protected		Fence, Bore waterline
560	7001 Harrisburg	14" Live Oak	Protected		Fence, Bore waterline
561	7001 Harrisburg	13" Live Oak	Protected		Fence, Bore waterline
562	7001 Harrisburg	12" Live Oak	Protected		Fence, Bore waterline
563	7001 Harrisburg	16" Live Oak	Not protected	Private tree	Root prune, Fence, Clearance prune
564	7002 Harrisburg	23" Tallow	Protected	Topped by CPE	Fence, Bore waterline
565	7002 Harrisburg	15" Tallow	Not protected	Topped by CPE	
566	7001 Ave C	2" Pecan	Protected		Fence, Bore waterline
567	7002 Sherman	8' Banana	Not protected	Private tree, Not impacted	
568	7002 Sherman	19" Box Elder	Not protected	Private tree, Not impacted	
569	7002 Sherman	6' Banana	Not protected	Remove for bends	Remove tree, No replacement required



NO.	DATE	REVISION	APP.

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 22 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 284 OF 318	

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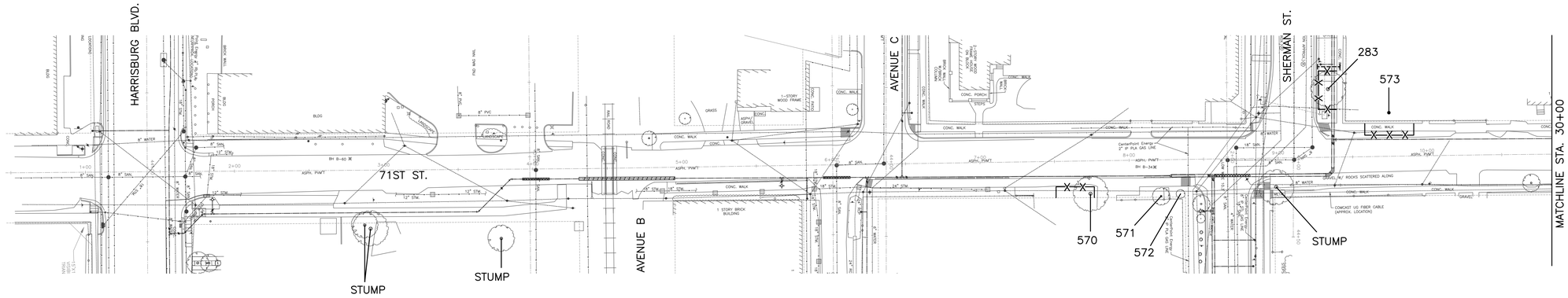

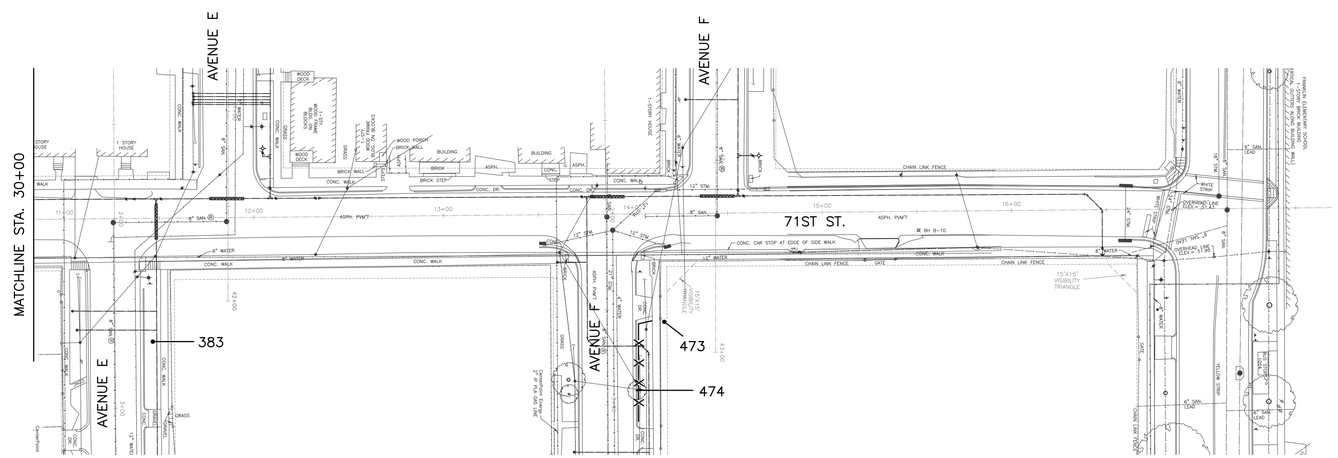

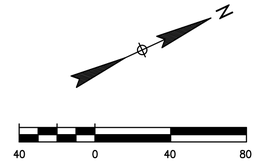

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 71st Street					
570	307 71st street	29" Water Oak	Protected		Fence, Bore waterline
571	307 71st street	12" Arizona Ash	Not protected		
572	307 71st street	9" Camphor	Not protected		
573	7045 Sherman	20" Cedar Elm	Not protected	Private tree	Fence, Bore waterline

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 23 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 285 OF 318	

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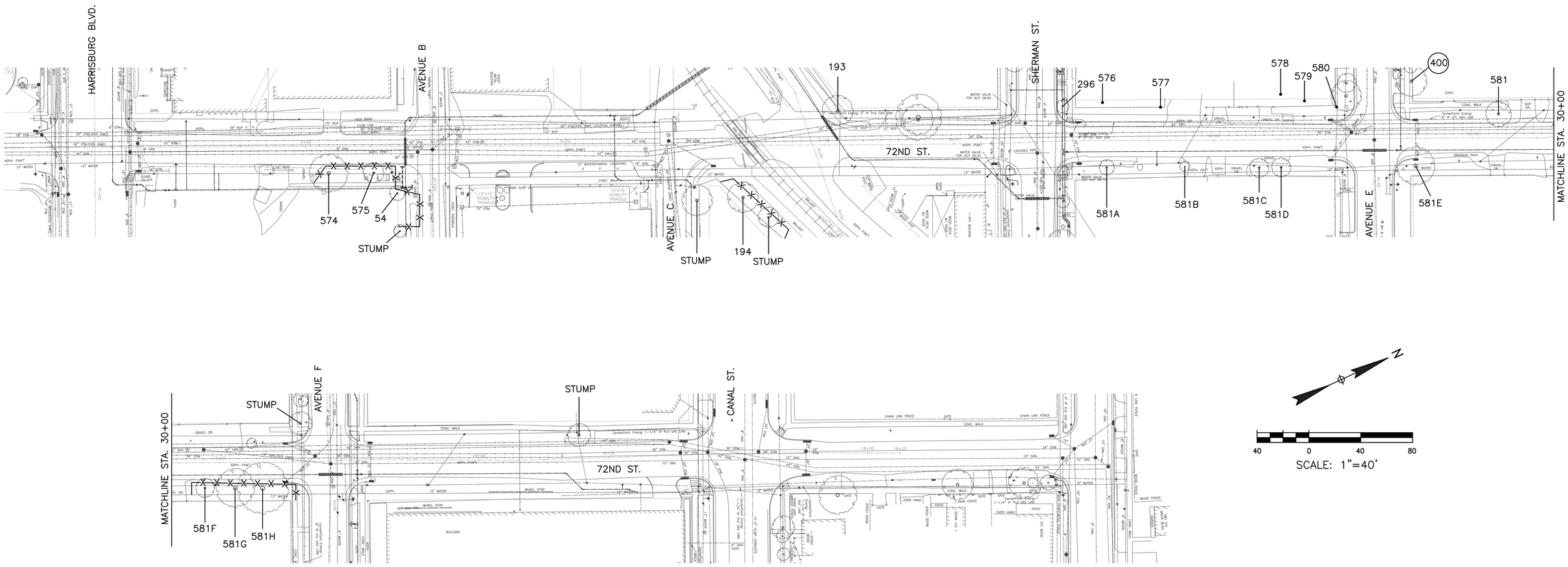

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 72nd Street					
574	NA	34" Sycamore	Protected		Fence, Bore waterline
575	NA	19" Tallow	Not protected		
576	7147 Sherman	38" Live Oak	Protected	Not impacted	
577	7147 Sherman	13" Live Oak	Protected	Not impacted	
578	7148 Ave E	21" Crepe Myrtle	Not protected	Private tree, Not impacted	
579	7148 Ave E	12" Green Ash	Protected	Not impacted	
580	7148 Ave E	10" American Elm	Protected	Not impacted	
581	503 72nd	23" Sugarberry	Protected	Not impacted	
581A	7201 Sherman	11" Crepe Myrtle	Not protected	Topped by CPE	
581B	7201 Sherman	12" Crepe Myrtle	Not protected	Topped by CPE	
581C	7202 Ave E	18" Sugarberry	Not protected	Topped by CPE	
581D	7202 Ave E	16" Sugarberry	Not protected	Topped by CPE	
581E	7205 Ave E	21" Pecan	Protected	Pruned by CPE	Fence, Bore waterline
581F	7200 Ave F	14" Live Oak	Protected		Fence, Bore waterline
581G	7200 Ave F	17" Live Oak	Protected		Fence, Bore waterline
581H	7200 Ave F	22" Live Oak	Protected		Fence, Bore waterline

NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 24 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 286 OF 318	

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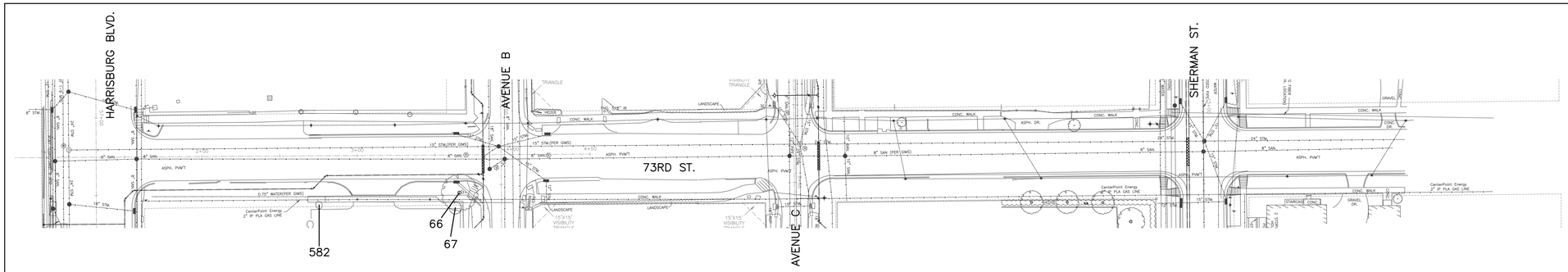

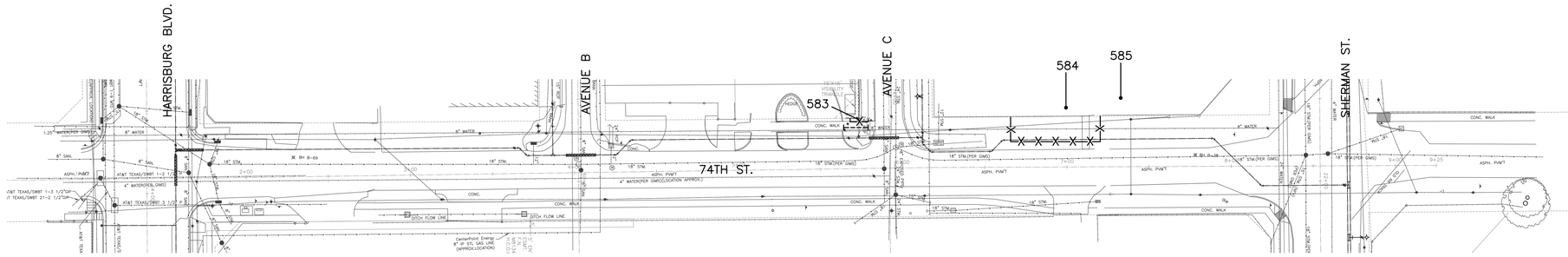

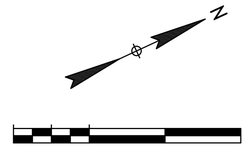

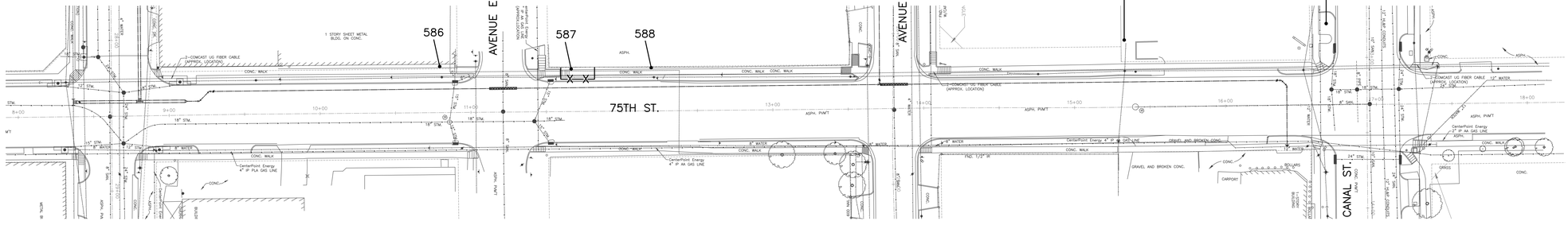

Tree No.	Location	Description	Chapter 33 Status	Comments	Treatment
Trees on 72nd Street					
582	7321 Harrisburg	5" Mulberry	Not protected		
Trees on 74th Street					
583	NA	6" Live Oak	Protected		Root prune, Fence, Clearance prune
584	124 74th	21" Lacebark Elm	Protected	Corridor Tree	Fence, Bore waterline
585	NA	18" Live Oak	Not protected	Private tree, Not impacted	
Trees on 75th Street					
586	NA	5" Mulberry	Not protected	Private tree, Not impacted	
587	NA	16" Sycamore	Not protected	Private tree	Fence, Bore waterline
588	NA	15" Hackberry	Not protected		
589	7444 Canal St	15" American Elm	Not protected	Private tree, Not impacted	
590	7444 Canal St	4" Live Oak	Protected	Not impacted	

NO.	DATE	REVISION	APP.

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LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 25 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 287 OF 318	

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Arboriculturally Significant Tree List

Tree No.	Location	Description
36	7211 Harrisburg	24" American Elm
38	7323 Harrisburg	28" American Elm
43	7445 Harrisburg	32" Live Oak
50	6619 Harrisburg	26" American Elm
53A	6629 Harrisburg	28" American Elm
53O	Not available	38" American Elm
70	6405 Ave C	25" Live Oak
81	8504 Ave C	55" Live Oak
84	6519 Ave C	25" Pecan
115	6648 Ave C	24" Sycamore
122	6709 Ave C	38" Sugarberry
126	6708 Ave C	33" Tallow
134	NA	37" Live Oak
140	6833 Ave C	25" Pecan
142	6845 Ave C	27" American Elm
153	6938 Ave C	38" Water Oak
154	6940 Ave C	26" American Elm
156	6925 Ave C	26" Pecan
160	7014 Ave C	39" Live Oak
166	7009 Ave C	24" Pecan
174	Not available	28" Tallow
175	7027 Ave C	34" Eastern Red Cedar
177	7033 Ave C	25" Pecan
184	302 71st	38" Pecan
187	7123 Ave C	39" Post Oak
191	7132 Ave C	38" Live Oak
192	7135 Ave C	41" Live Oak
193	7145 Ave C	26" Water Oak
194	7205 Ave C	27" American Elm
195	7207 Ave C	26" Sycamore
213	6501 Sherman	32" Live Oak
215	6501 Sherman	25" Live Oak
220	6501 Sherman	25" Live Oak
237	6645 Sherman	27" Pecan
238	6645 Sherman	29" Pecan
241	6704 Sherman	24" Green Ash
244	6713 Sherman	27" Pecan
255	6805 Sherman	25" Green Ash
267	Not available	37" Shumard Oak
270	6945 Sherman	34" Shumard Oak
275	7009 Sherman	37" Live Oak
281	7037 Sherman	34" Live Oak
282	7037 Sherman	45" Live Oak
284	7105 Sherman	24" Arizona Ash
287	7121 Sherman	27" Shumard Oak
291	7118 Sherman	27" Shumard Oak
298	7214 Sherman	31" Tallow
301	7224 Sherman	25" Tallow
321	6611 Ave E	31" Sugarberry
325	6626 Ave E	27" Live Oak
330	6773 Ave E	27" Pecan
334	6737 Ave E	41" Live Oak
335	6737 Ave E	28" Live Oak
338	6801 Ave E	34" Post Oak
342	6804 Ave E	29" American Elm
375	7029 Ave E	47" Live Oak
376	7037 Ave E	29" Live Oak
377	7037 Ave E	45" Live Oak

Arboriculturally Significant Tree List

Tree No.	Location	Description
378	7037 Ave E	43" Live Oak
379	7039 Ave E	37" Live Oak
386	7117 Ave E	33" Pecan
389	7125 Ave E	24" Pecan
457	6923 Ave F	24" Magnolia
458	6927 Ave F	24" Tallow
462	6943 Ave F	27" Camphor
468	7017 Ave F	28" Tallow
469	7023 Ave F	28" American Elm
480	7114 Ave F	37" Sycamore
481	7118 Ave F	35" Live Oak
482	7129 Ave F	28" Live Oak
487	7144 Ave F	34" Live Oak
498	7325 Ave F	34" American Elm
501	7334 Ave F	26" Eastern Red Cedar
506	7405 Ave F	29" Pecan
510	7427 Ave F	25" Live Oak
519	202 65th	35" Durand Oak
527	405 65th	27" Live Oak
540	611 65th	28" Green Ash
542	6530 Sherman	25" Green Ash
550	6805 Ave C	24" Post Oak
554	6800 Ave E	29" Live Oak
570	307 71st street	29" Water Oak
574	NA	34" Sycamore
576	7147 Sherman	38" Live Oak

Trees Identified by City of Houston Forestry/Parks & Recreation Department as Arboriculturally Significant are identified here and/or in treatment schedule included on TPP sheets. Arboriculturally Significant trees are to be pruned under direct supervision of City of Houston Forestry. Minimal pruning will be allowed for construction equipment access, and in some cases no pruning will be allowed. Contractor must review conditions around and/or under the canopy of Arboriculturally Significant trees and consider restrictions when preparing cost estimate and planning construction equipment that will be necessary to accomplish design installation with minimal to no tree pruning.

Tree Removal List

Tree No.	Location	Description	Replacement requirement
71	6405 Ave C	15" Green Ash	15
399	501 72nd	12" Pecan	12
400	501 72nd	21" Green Ash	21
445	611 69th	11" Red Maple	11
516	202 65th	12" Green Ash	12
554	6800 Ave E	29" Live Oak	29
569	7002 Sherman	6' Banana	0

TOTAL REPLACEMENT INCHES REQUIRED 100

Tree Replacement List

Quantity	Caliper Size	Species	Container/Tree Spade size

TOTAL REPLACEMENT INCHES INCLUDED IN PLAN 0

NOTE: Tree replacement locations are not shown on plans. Contractor must coordinate with City of Houston Urban Forestry and Houston Public Works prior to PURCHASING trees. This project may not have adequate room for all required replacement trees without creating regulatory sign or traffic/pedestrian visibility issues. Number of trees and planting locations will be determined by City of Houston Urban Forestry in construction phase. Trees that are planted are to be maintained and watered for 2 years following planting per standard spec 02915. Timing of planting may be delayed in periods of drought with mandatory water restrictions in place-timing to be coordinated with City of Houston Urban Forestry. Trees in esplanade groupings to be planted in common bed with 4" of hardwood mulch between trees.

Trees are to be maintained and watered for 2 years following planting per standard spec 02915. Timing of planting may be delayed in periods of drought with mandatory water restrictions in place-timing to be coordinated with City of Houston Forestry.

Tree replacement locations shall comply with Houston Public Works spec sections 02811, 02911, 02912, 02915, 02921 & 02922. In general trees along sides of street right of ways shall be no closer than 3' to back of curb or 20' from another tree. Trees in medians shall be no closer than 6' back of curb, 75' from an intersection, 50' to a median cut, or 20' from another tree. Contractor to coordinate locations with City Forestry and HPW prior to PURCHASING trees. All replacement trees called out on plans may not be planted on project relative to coordination with listed parties.

Cash Allowance Due Parks from HPW for Balance of Mitigation Not Planted on Project

	Required Mitigation total	Mitigation rate/inch	
0-5.99"		$ 289.47	$ -
6-11.99"	29	496.64	$ 14,402.56
12" +	159	662.19	$ 105,288.21
		TOTAL REQUIRED MITIGATION FEE	**$ 119,690.77**

NO.	DATE	REVISION	APP.

C.N. Koehl
Urban Forestry, Inc.
210 Stone Bush Ct. ◦ Katy, Texas 77493
281-391-0022 ckoehl@koehlurbanforestry.com

APPROVED:

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 26 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 288 OF 318	

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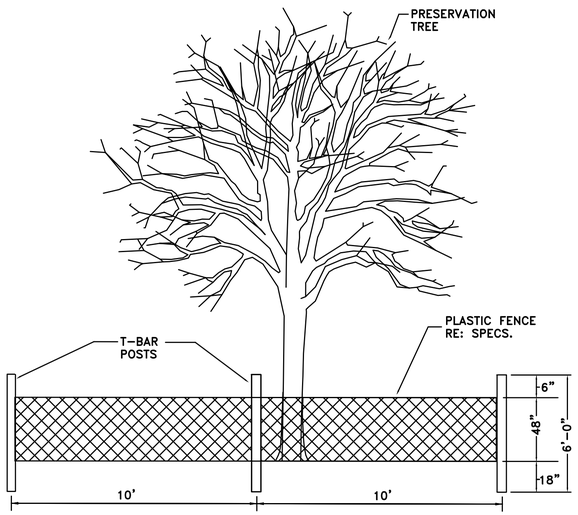
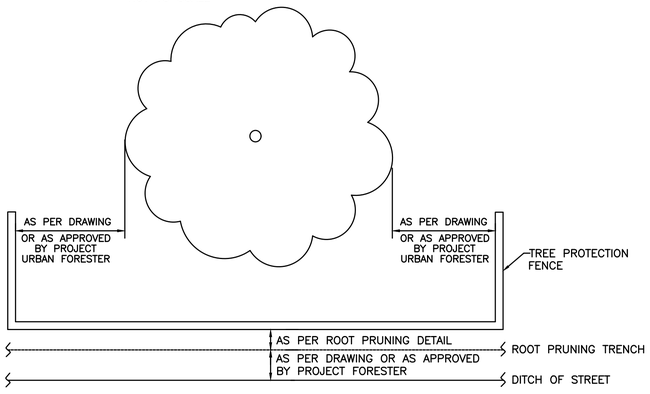


TREE PROTECTION FENCING DETAIL A
NOT TO SCALE



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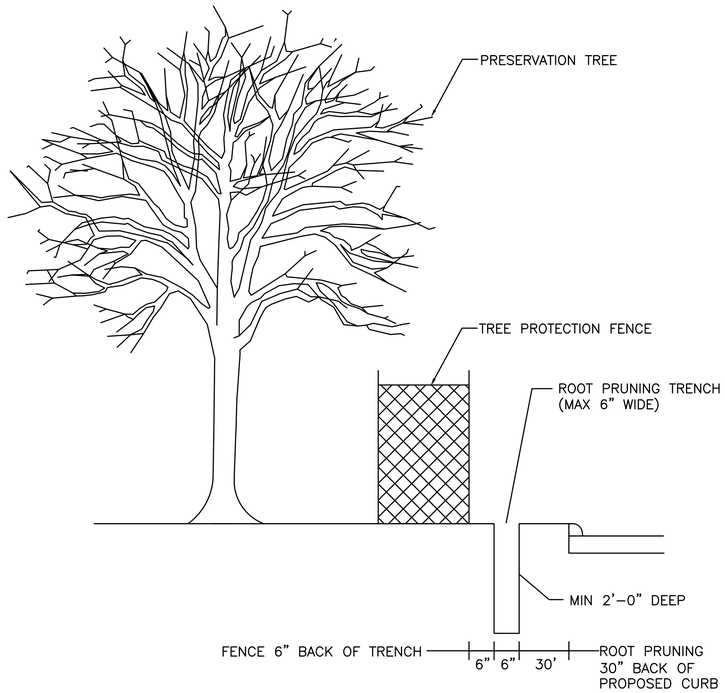

ROOT PRUNE FOR STREET-CURB & GUTTER - NO 0CC
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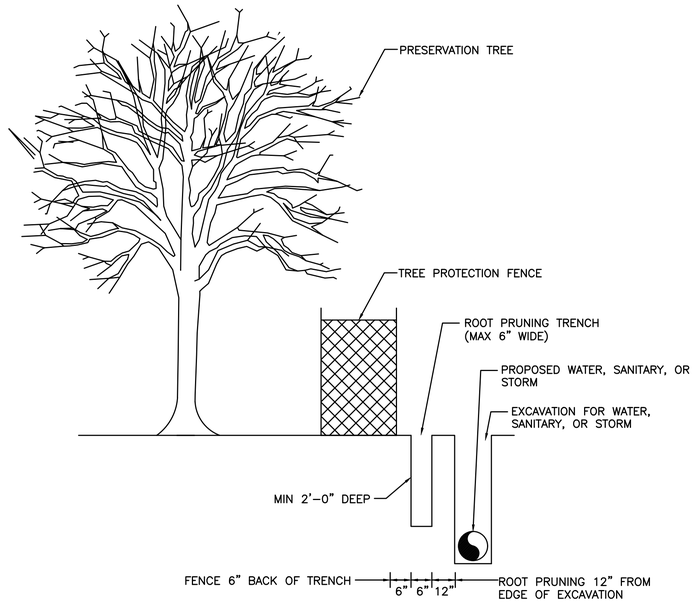

ROOT PRUNE FOR WATER, SANITARY, OR STORM LINE
NOT TO SCALE

NO.	DATE	REVISION	APP.

C.N. Koehl
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210 Stone Bush Ct. ◦ Katy, Texas 77493
281-391-0022 ckoehl@koehlurbanforestry.com

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

TREE PROTECTION PLAN

SHEET 27 OF 27

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 289 OF 318	

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SHEET 313
STA. 0+00 TO STA. 10+00

SHEET 313
STA. 10+00 TO STA. 20+00

SHEET 310
STA. 1+00 TO STA. 11+00

SHEET 310
STA. 11+00 TO STA. 21+00

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STA. 1+00 TO STA. 11+00

SHEET 306
STA. 11+00 TO STA. 21+00

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STA. 11+00 TO STA. 21+00

SHEET 298
STA. 0+00 TO STA. 9+00

SHEET 298
STA. 9+00 TO STA. 19+00

SHEET 293
STA. 3+00 TO STA. 13+00

SHEET 293
STA. 13+00 TO STA. 23+00

SHEET 317
STA. 15+85 TO STA. 18+45

SHEET 317
STA. 15+70 TO STA. 18+30

SHEET 317
STA. 15+60 TO STA. 18+20

PROP. 8" WL BY TRENCHLESS CONSTRUCTION

CANAL STREET

AVENUE F

AVENUE E

AVENUE C

AVENUE B

SHERMAN STREET

HARRISBURG BOULEVARD

65TH STREET

66TH STREET

67TH STREET

CHAVEZ BOULEVARD

WAYSIDE DRIVE

BLOCK 1

BLOCK 5

0' 50' 100' 200'
SCALE: 1"=100'

NOTES

PROJECT AREA

2947562 SF/
68 ACRES

TOTAL DISTURBED AREA

63081 SF/
1.4 ACRES/
2%

FOR CONTINUATION SEE SHEET 291

NO.	DATE	REVISION	APP.

DCCM

DCCM Infrastructure, Inc. | TxEng F-257
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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN OVERALL LAYOUT (SHEET 1 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 290 OF 318	

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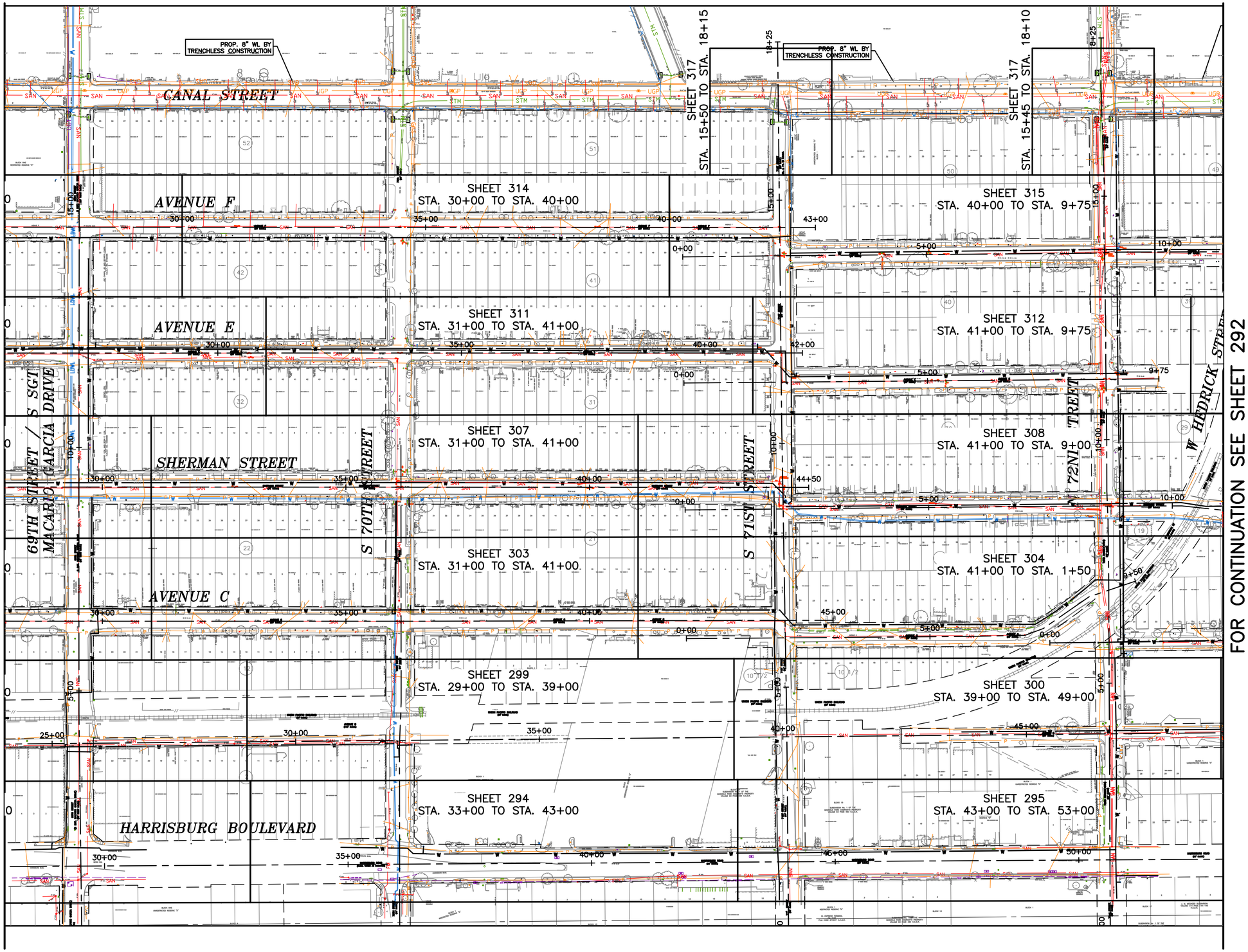

0' 50' 100' 200'

SCALE: 1"=100'

NOTES

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2947562 SF/
68 ACRES

TOTAL DISTURBED AREA

63081 SF/
1.4 ACRES/
2%

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN OVERALL LAYOUT (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 291 OF 318	

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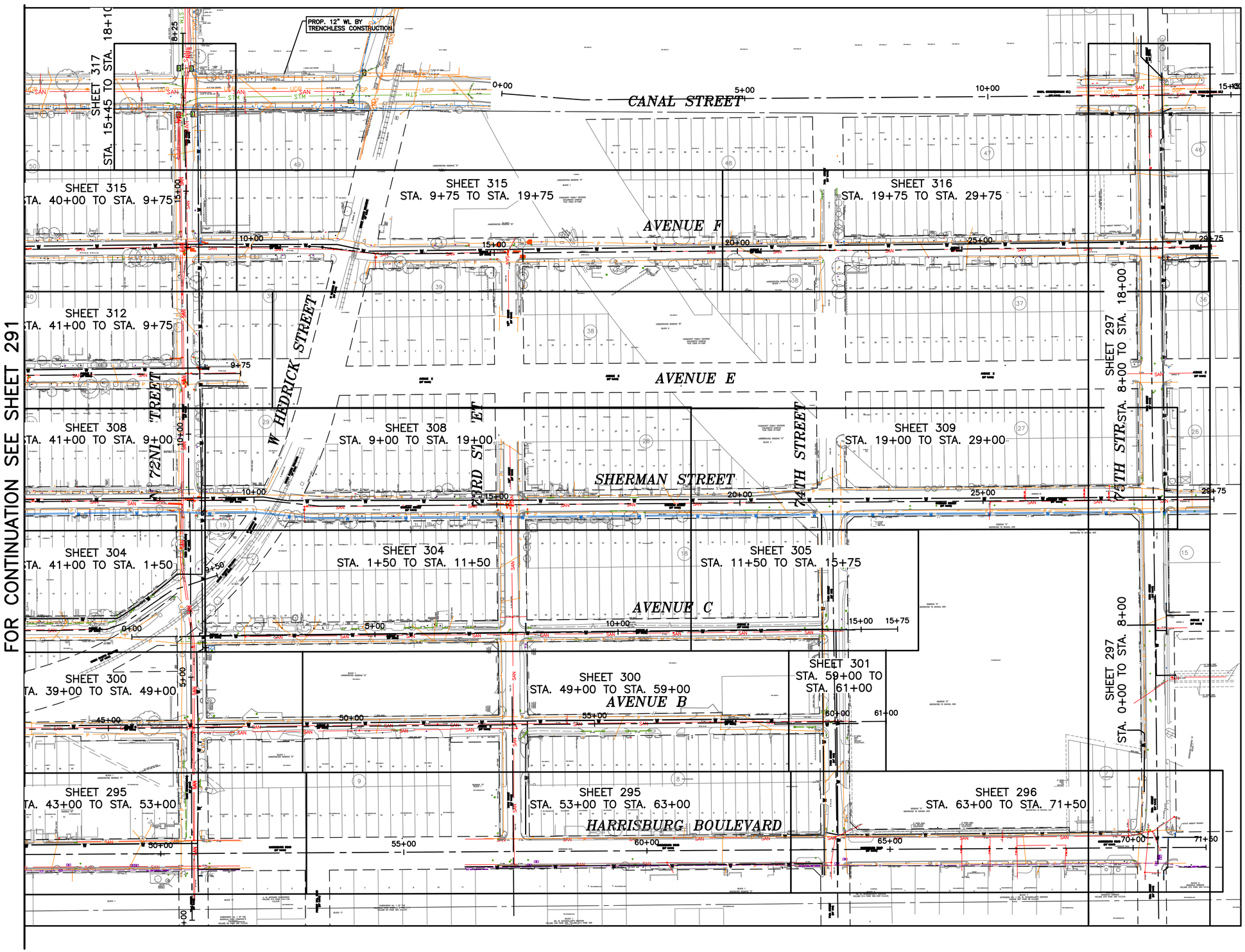

NOTES

PROJECT AREA

2947562 SF/
68 ACRES

TOTAL DISTURBED AREA

63081 SF/
1.4 ACRES/
2%

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN
(SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=100' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 292 OF 318	

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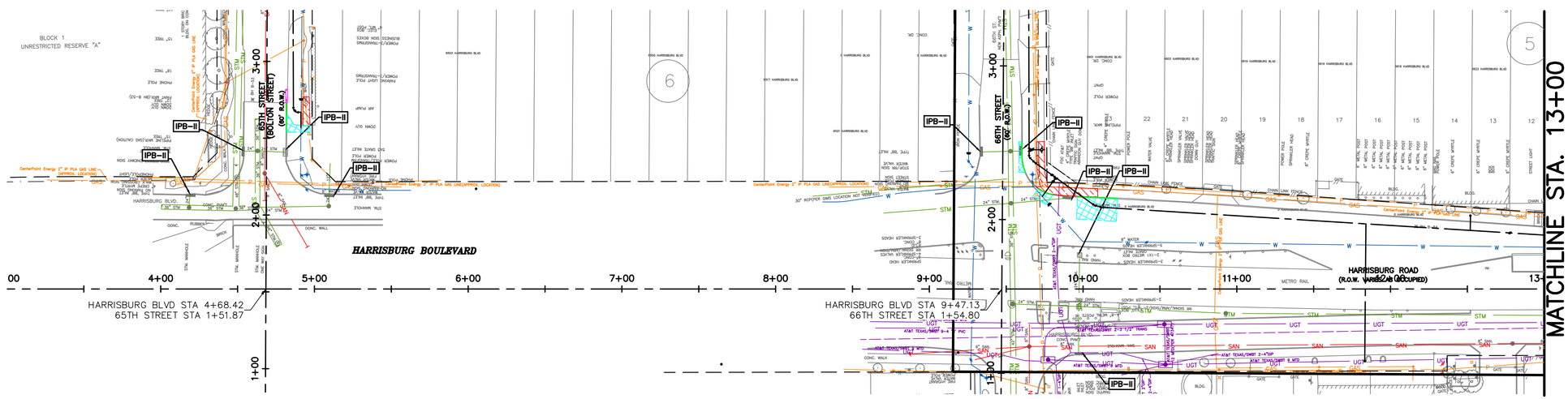

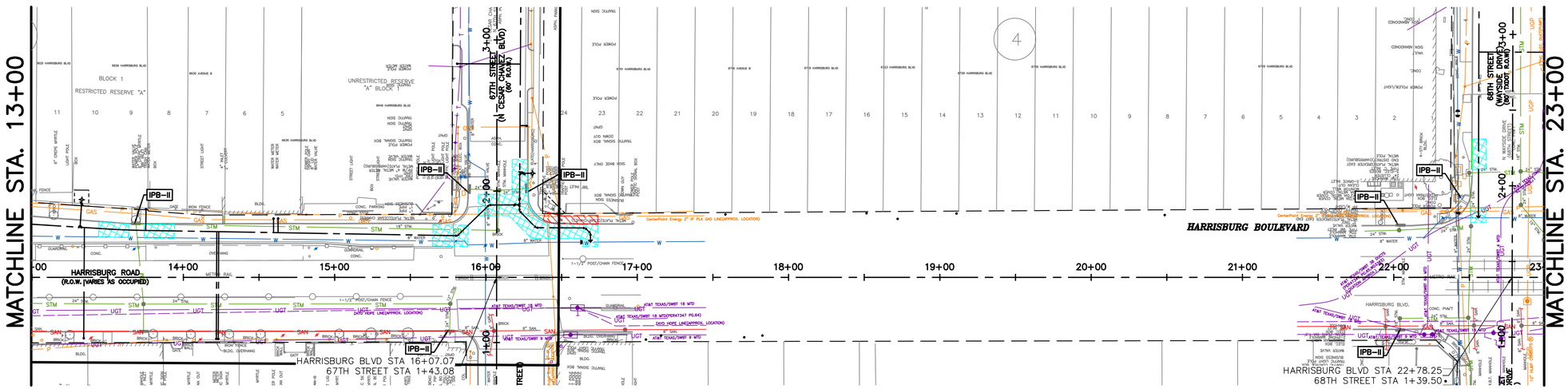

0' 25' 40' 80'

SCALE: 1"=40'

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB-I	INLET PROTECTION BARRIER TYPE I
IPB-II	INLET PROTECTION BARRIER TYPE II
IPB-III	INLET PROTECTION BARRIER TYPE III
RFD-TYPE	ROCK FILTER DAM

NO.	DATE	REVISION	APP.

DCCM

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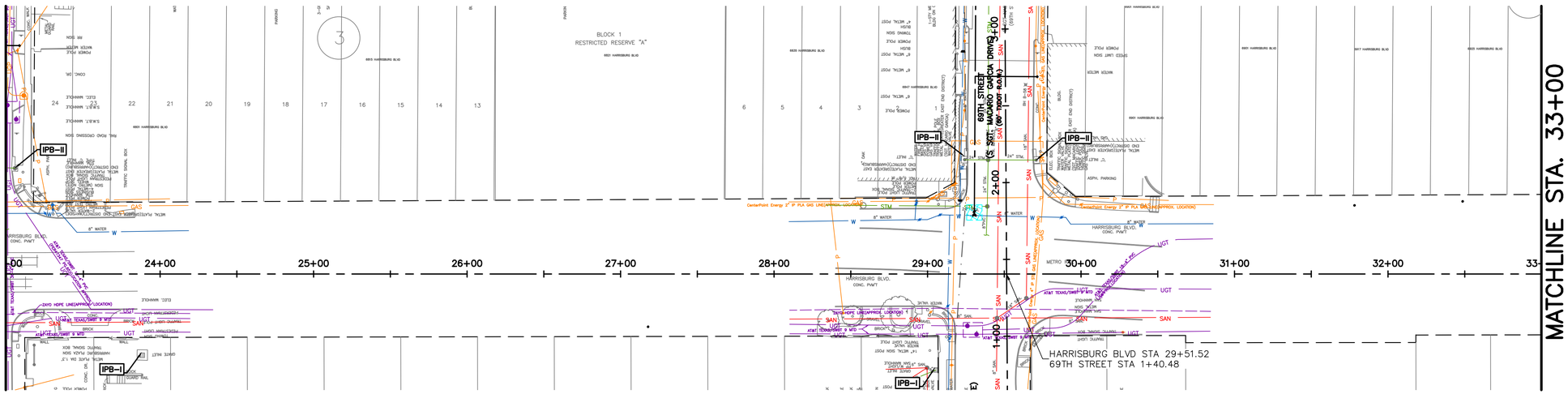
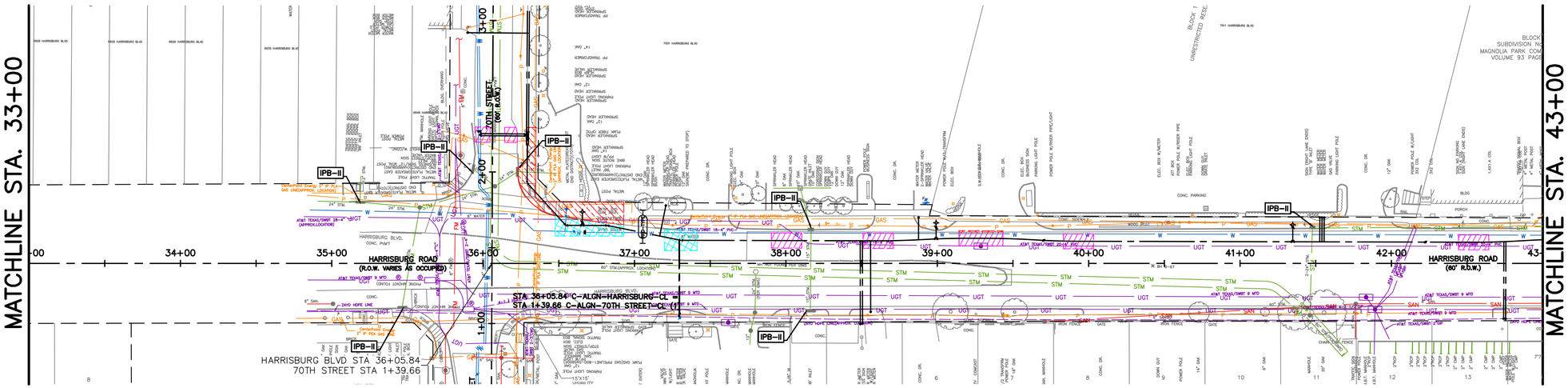
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN HARRISBURG BOULEVARD (SHEET 1 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 293 OF 318	





0' 25' 40' 80'

SCALE: 1"=40'

N

NO.	DATE	REVISION	APP.

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB-I	INLET PROTECTION BARRIER TYPE I
IPB-II	INLET PROTECTION BARRIER TYPE II
IPB-III	INLET PROTECTION BARRIER TYPE III
RFD-TYPE	ROCK FILTER DAM

DCCM Infrastructure, Inc. | TxEng F-257
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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN HARRISBURG BOULEVARD (SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 294 OF 318	

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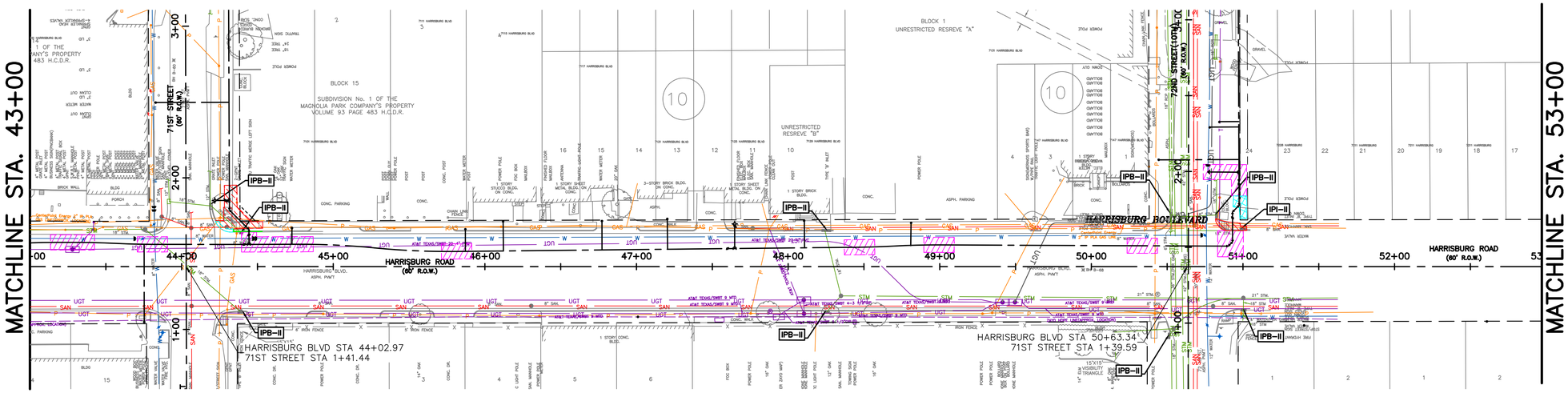

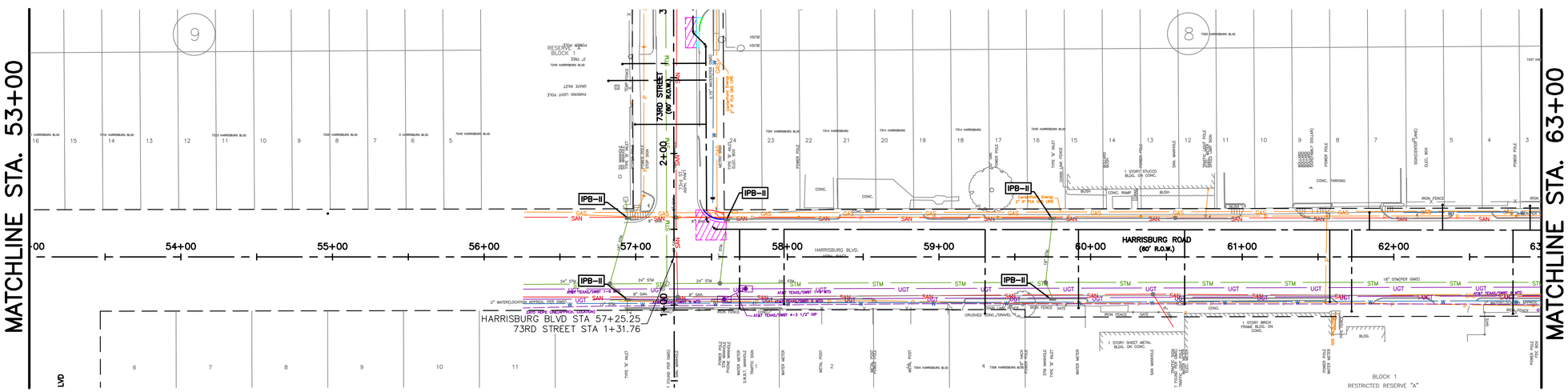

0' 25' 40' 80'

SCALE: 1"=40'

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB-I — INLET PROTECTION BARRIER TYPE I
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- IPB-III — INLET PROTECTION BARRIER TYPE III
- RFD-TYPE — ROCK FILTER DAM

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
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TEXAS REGISTRATION No.107085

SURVEYED BY:
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN HARRISBURG BOULEVARD (SHEET 3 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 295 OF 318	

PLOTTED: 12/12/2025 3:02 PM

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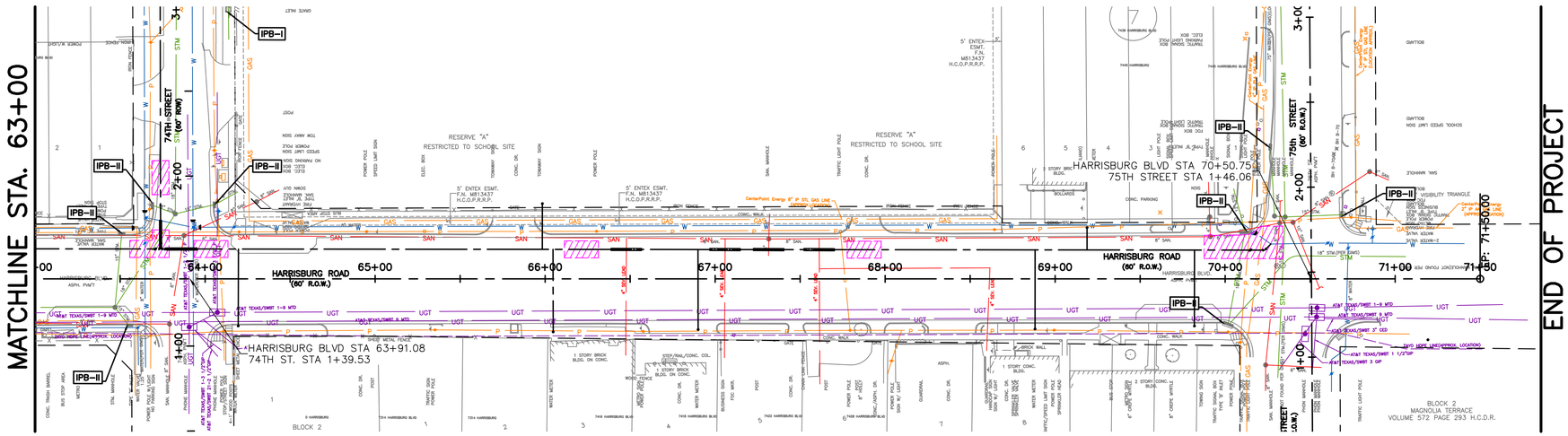

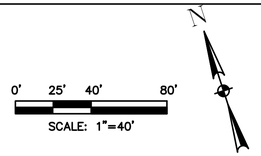

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I — INLET PROTECTION BARRIER TYPE I
- IPB–II — INLET PROTECTION BARRIER TYPE II
- IPB–III — INLET PROTECTION BARRIER TYPE III
- RFD–TYPE — ROCK FILTER DAM

NO.	DATE	REVISION	APP.

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN HARRISBURG BOULEVARD (SHEET 4 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 296 OF 318	

PLOTTED: 12/12/2025 3:03 PM

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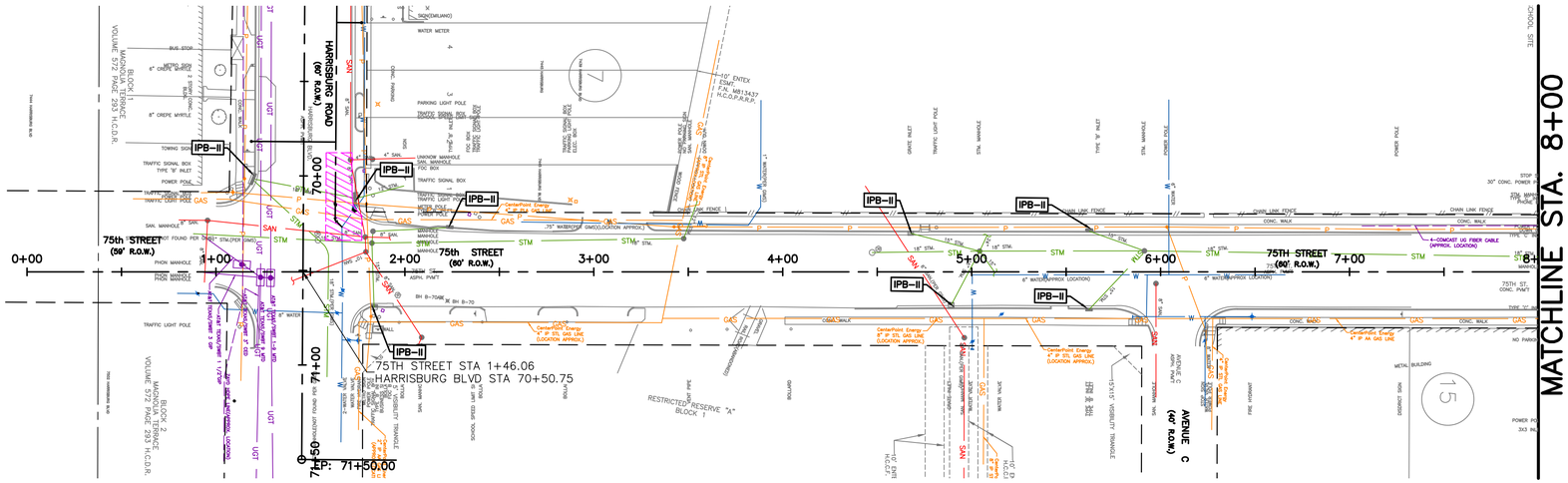

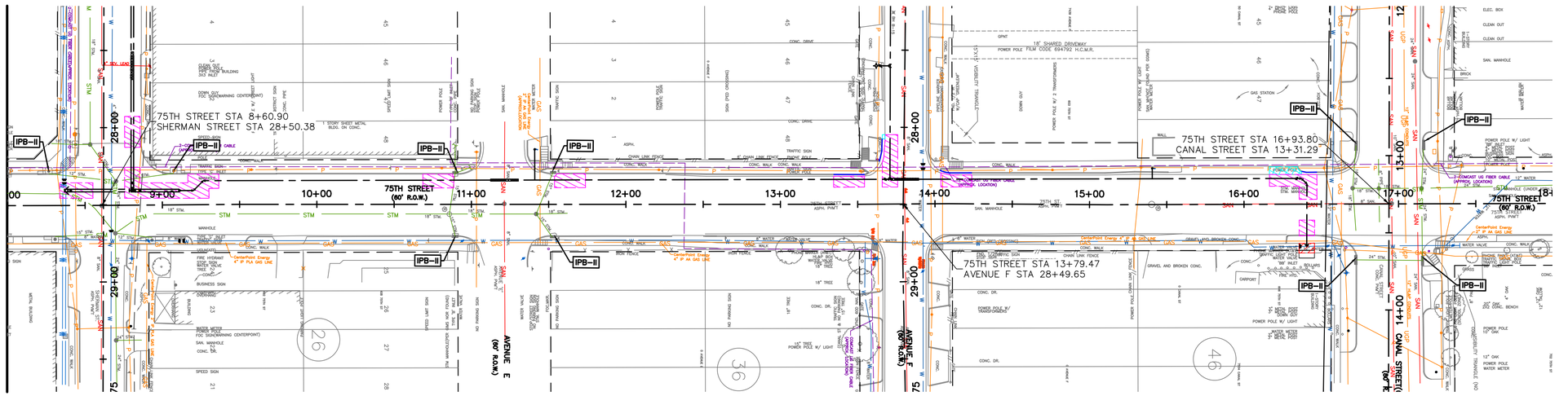

0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I — INLET PROTECTION BARRIER TYPE I
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN 75TH STREET (SHEET 1 OF 1)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 297 OF 318	

PLOTTED: 12/12/2025 3:06 PM

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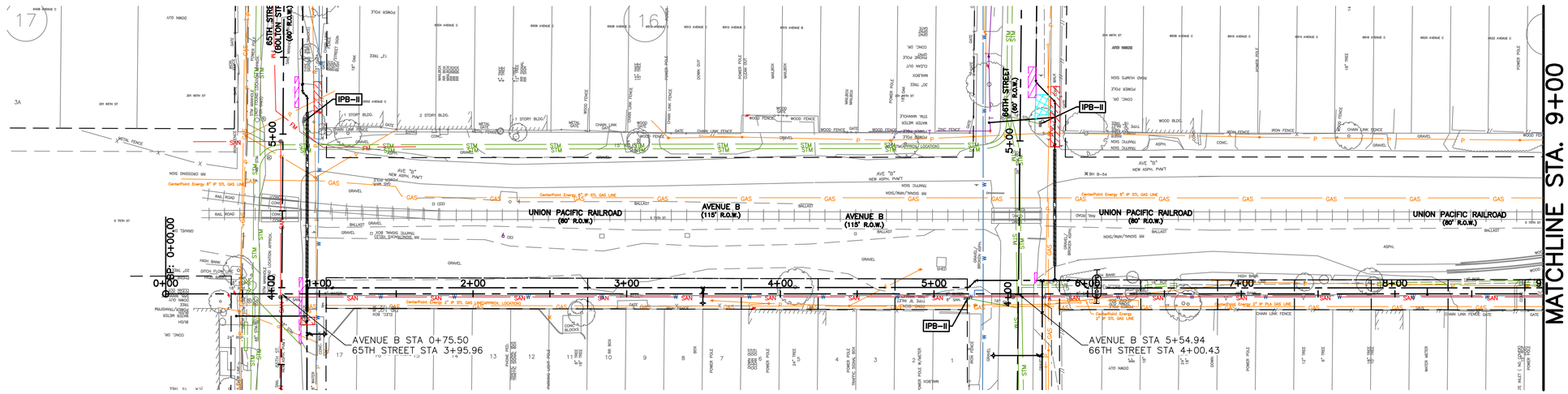

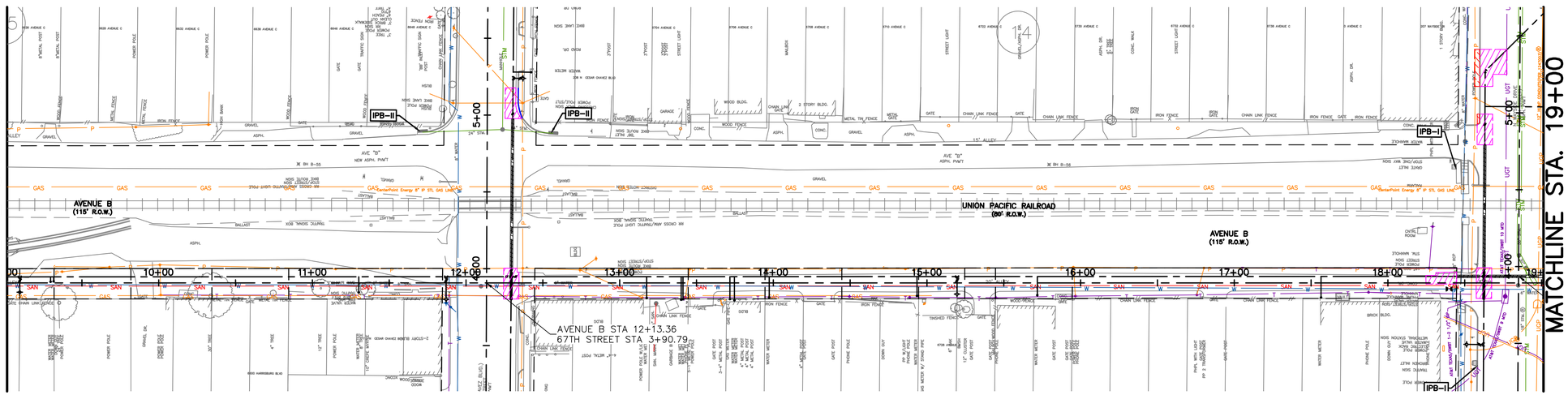

0' 25' 40' 80'

SCALE: 1"=40'

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
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TEXAS REGISTRATION No.107085

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE B (SHEET 1 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 298 OF 318	

PLOTTED: 12/12/2025 3:08 PM

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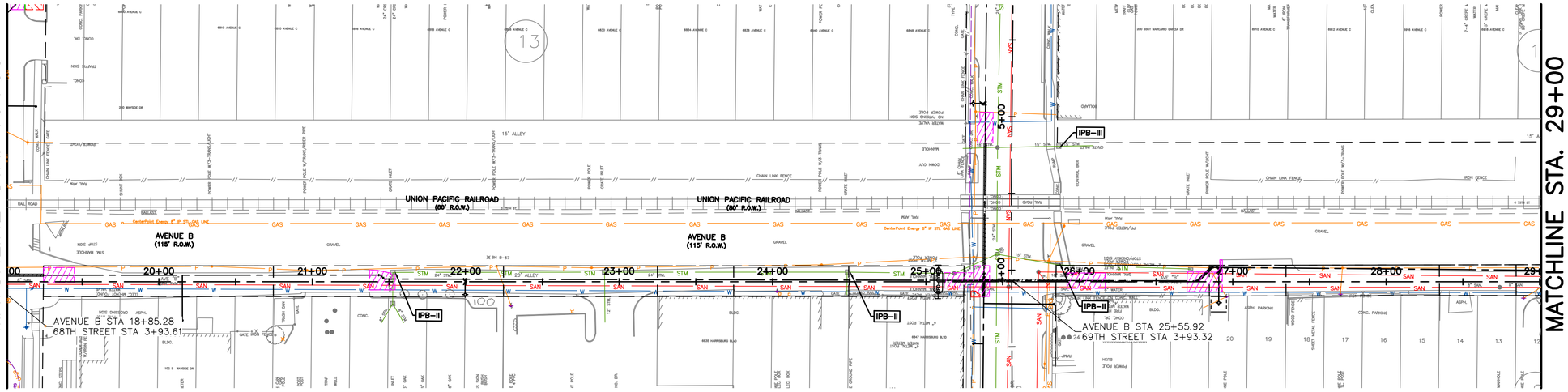

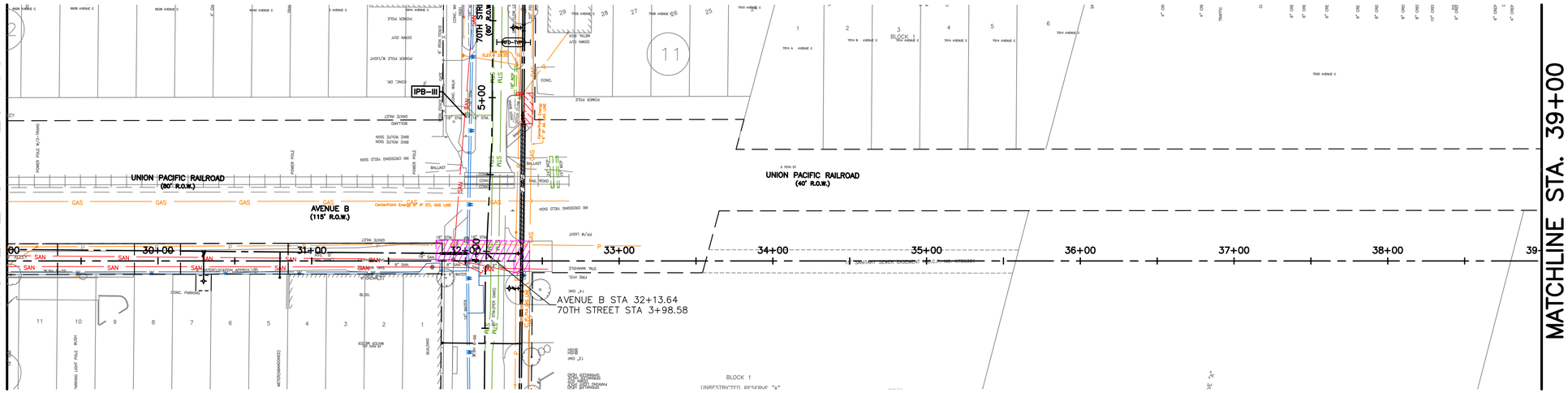

0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
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TEXAS REGISTRATION No.107085

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LANDTECH, INC.
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE B (SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 299 OF 318	

PLOTTED: 12/12/2025 3:10 PM

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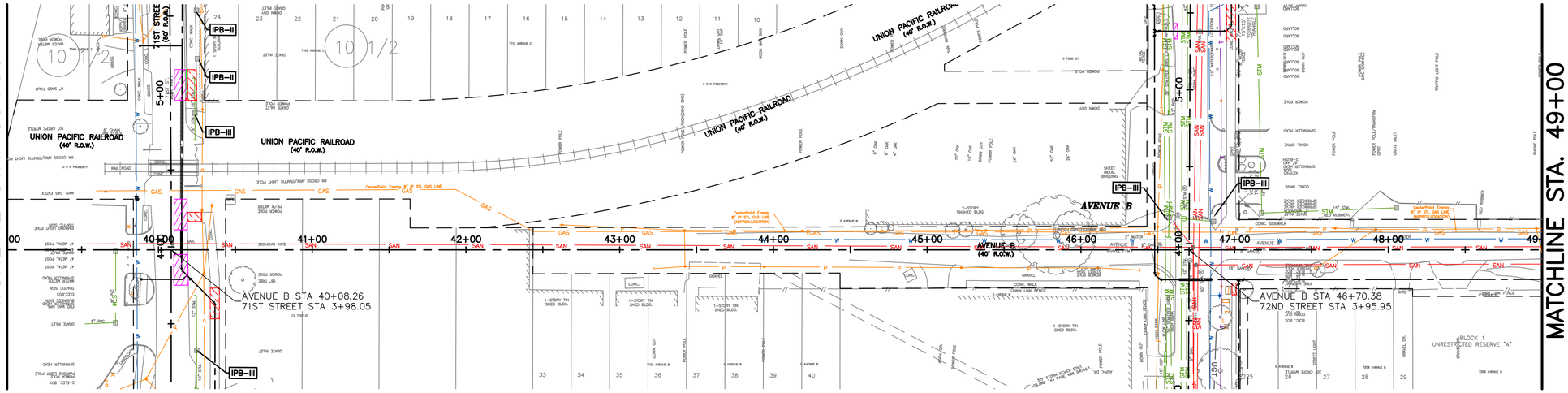

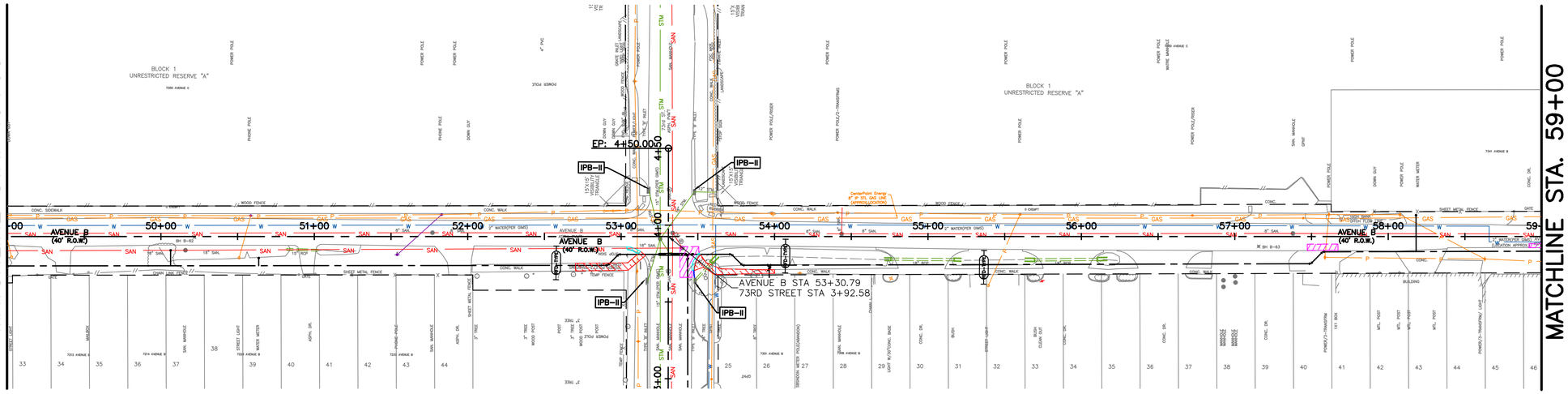

0' 25' 40' 80'

SCALE: 1"=40'

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB–I	INLET PROTECTION BARRIER TYPE I
IPB–II	INLET PROTECTION BARRIER TYPE II
IPB–III	INLET PROTECTION BARRIER TYPE III
RFD–TYPE	ROCK FILTER DAM

NO.	DATE	REVISION	APP.

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WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE B (SHEET 3 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 300 OF 318	

PLOTTED: 12/12/2025 2:48 PM

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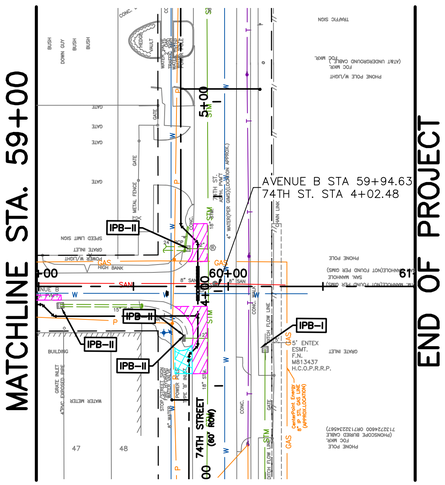

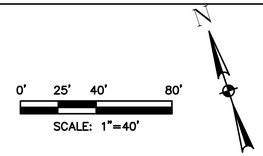

NO.	DATE	REVISION	APP.

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB–I	INLET PROTECTION BARRIER TYPE I
IPB–II	INLET PROTECTION BARRIER TYPE II
IPB–III	INLET PROTECTION BARRIER TYPE III
RFD–TYPE	ROCK FILTER DAM

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION AVENUE B (SHEET 4 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 301 OF 318	

PLOTTED: 12/12/2025 2:50 PM

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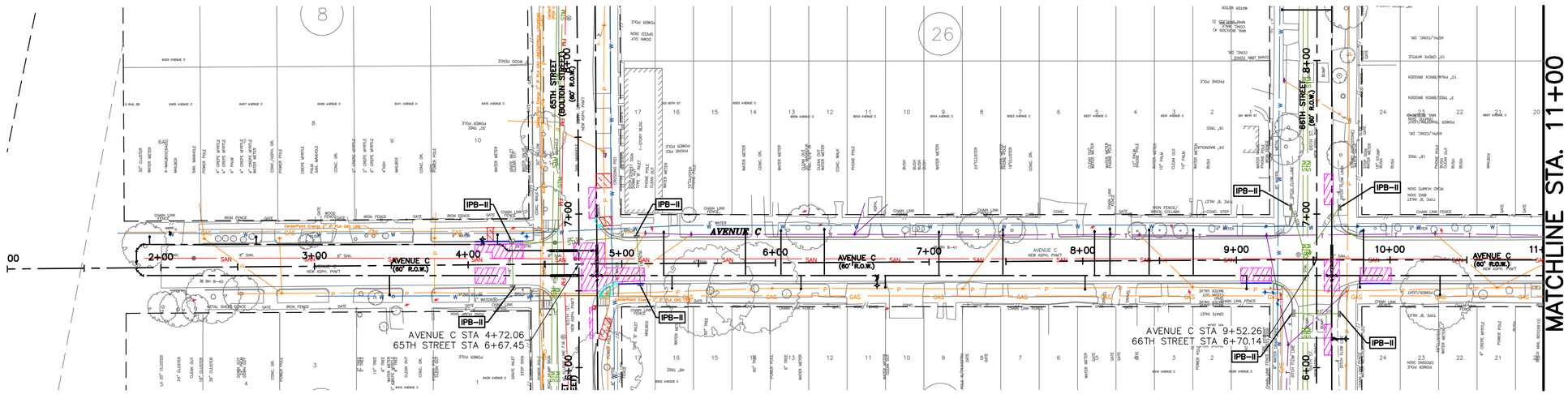

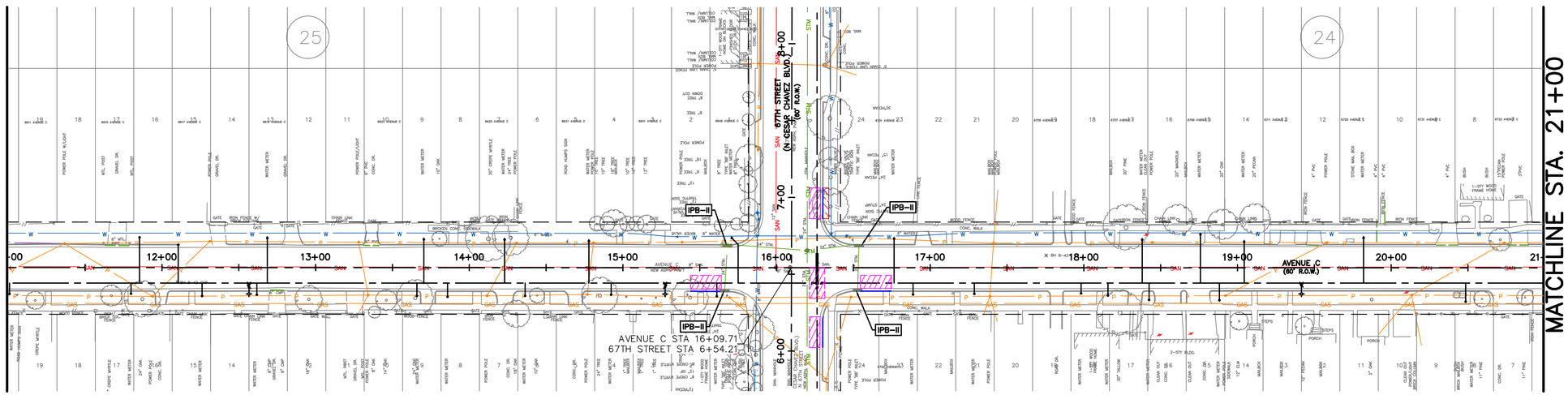

0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB–I	INLET PROTECTION BARRIER TYPE I
IPB–II	INLET PROTECTION BARRIER TYPE II
IPB–III	INLET PROTECTION BARRIER TYPE III
RFD–TYPE	ROCK FILTER DAM

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HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE C (SHEET 1 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 302 OF 318	

PLOTTED: 12/12/2025 2:51 PM

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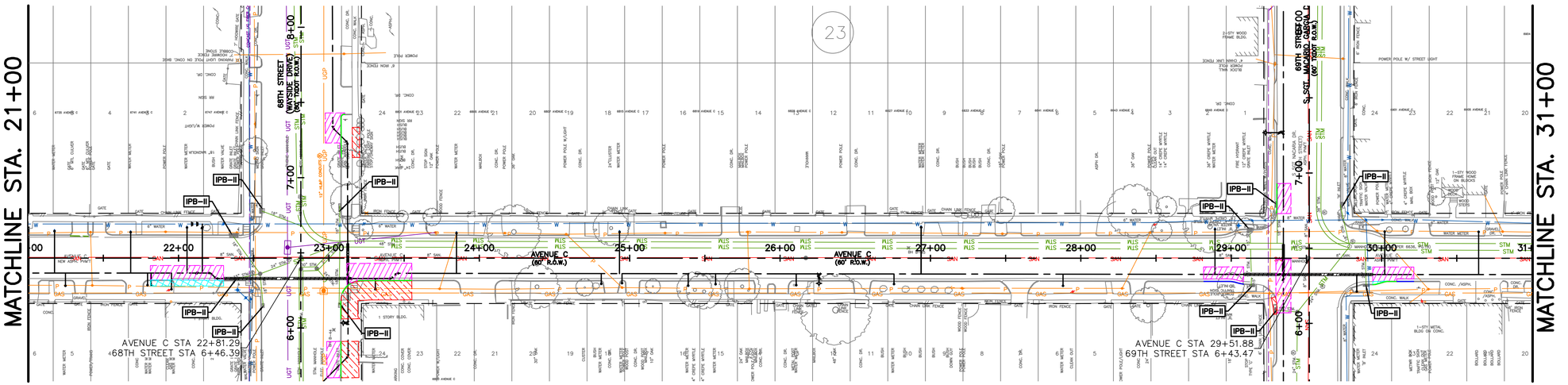

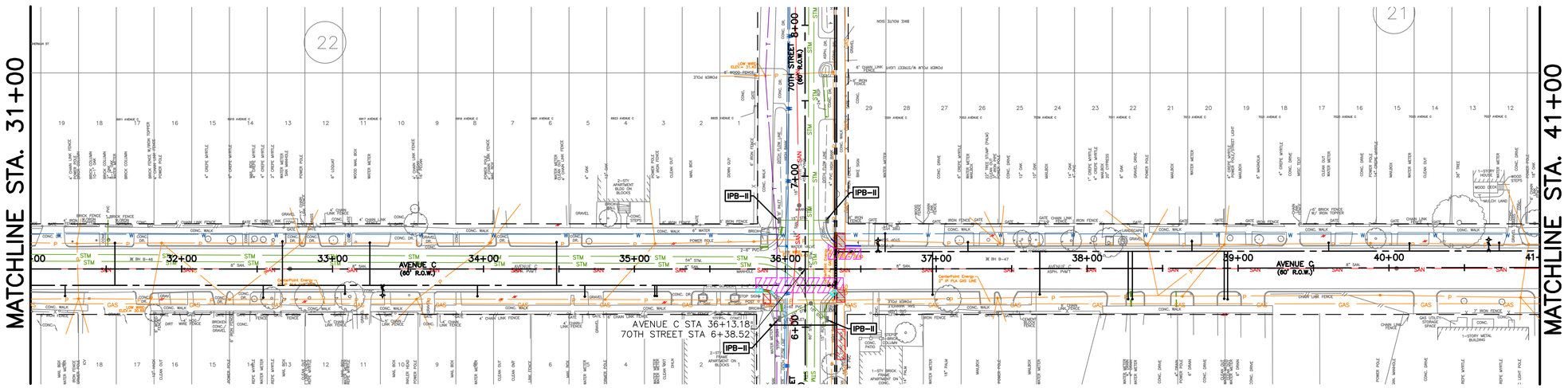

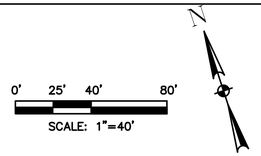

NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I — INLET PROTECTION BARRIER TYPE I
- IPB–II — INLET PROTECTION BARRIER TYPE II
- IPB–III — INLET PROTECTION BARRIER TYPE III
- RFD–TYPE — ROCK FILTER DAM

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TEXAS REGISTRATION No.107085

SURVEYED BY:
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

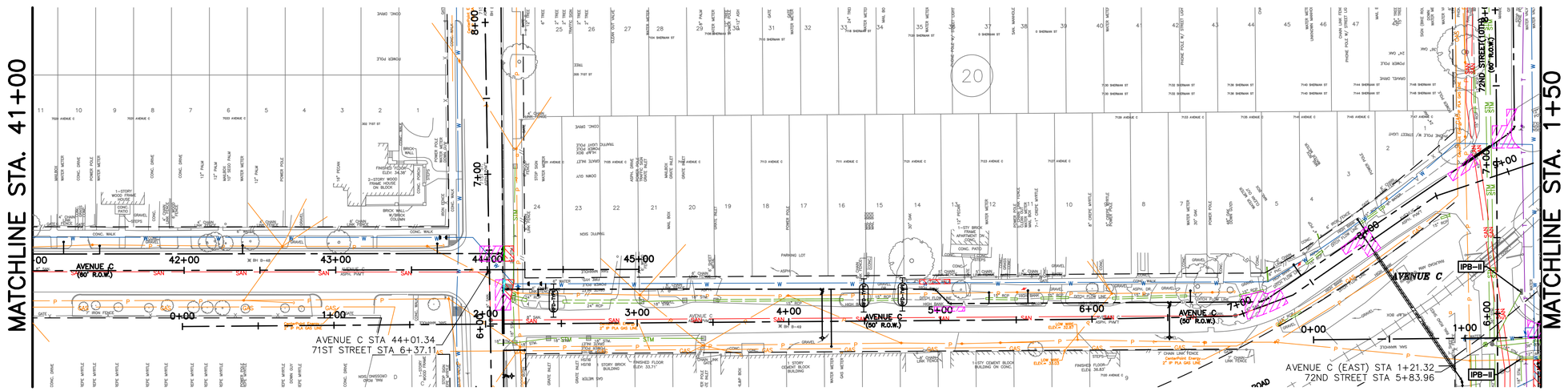
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

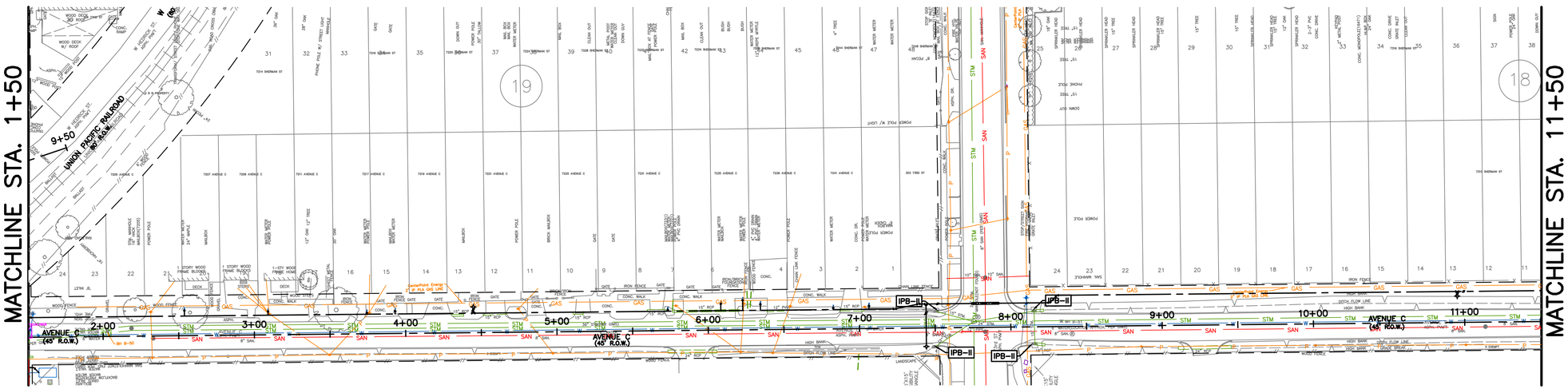
STORM WATER POLLUTION PREVENTION PLAN AVENUE C (SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 303 OF 318	

PLOTTED: 12/12/2025 2:53 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-SWPPP-SHEETS-AVE C.dwg





0' 25' 40' 80'
SCALE: 1"=40'

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I INLET PROTECTION BARRIER TYPE I
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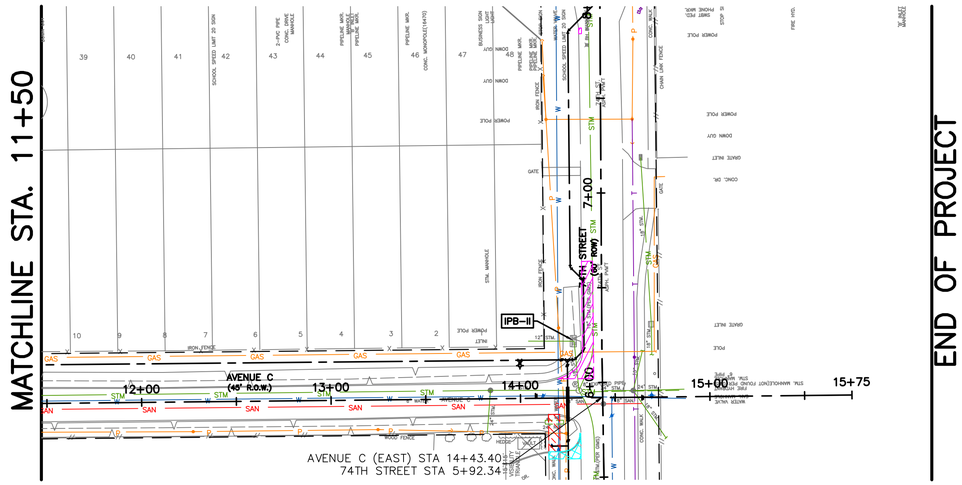
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE C (SHEET 3 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S–000035–0267–3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 304 OF 318	



0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
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STORM WATER POLLUTION PREVENTION PLAN AVENUE C (SHEET 4 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 305 OF 318	

PLOTTED: 12/12/2025 2:55 PM

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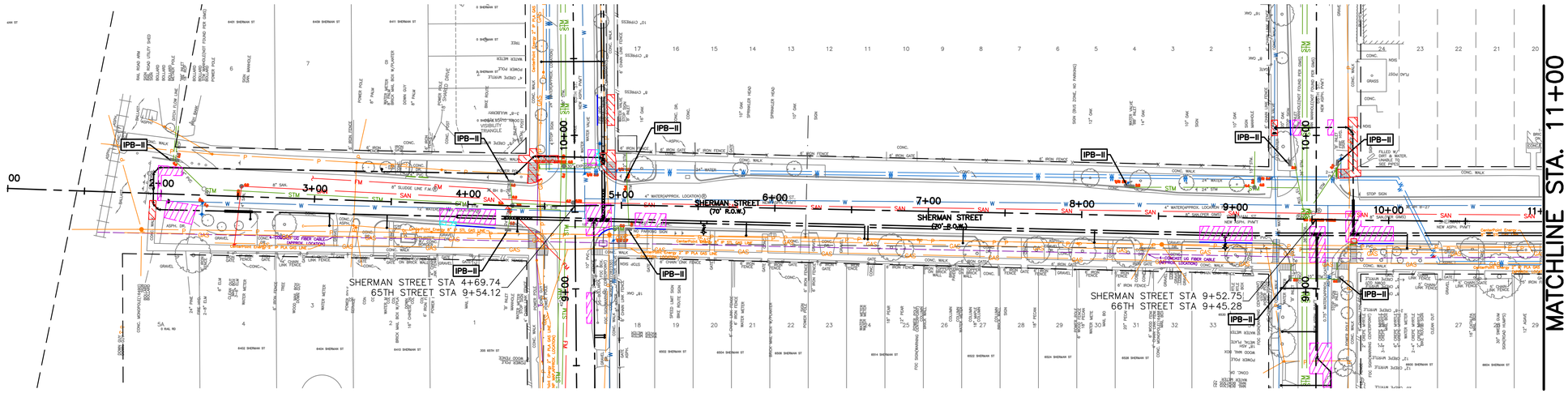
MATCHLINE STA. 11+00
SHERMAN STREET STA 4+69.74
65TH STREET STA 9+54.12
SHERMAN STREET STA 9+52.75
66TH STREET STA 9+45.28
SHERMAN STREET
(70' R.O.W.)
SHERMAN STREET
(70' R.O.W.)
IPB-II
IPB-II
IPB-II

PLOTTED: 12/12/2025 2:58 PM

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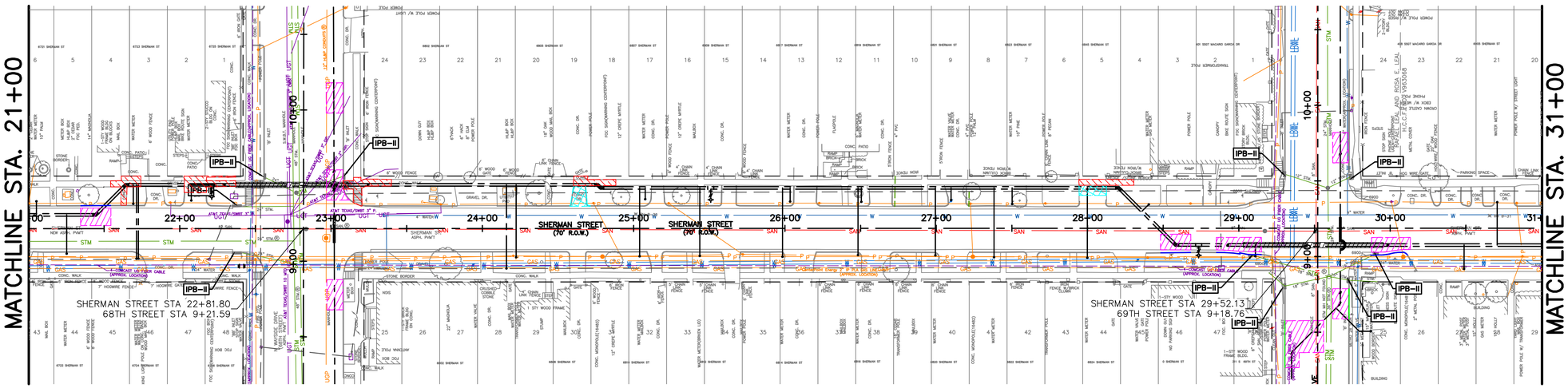

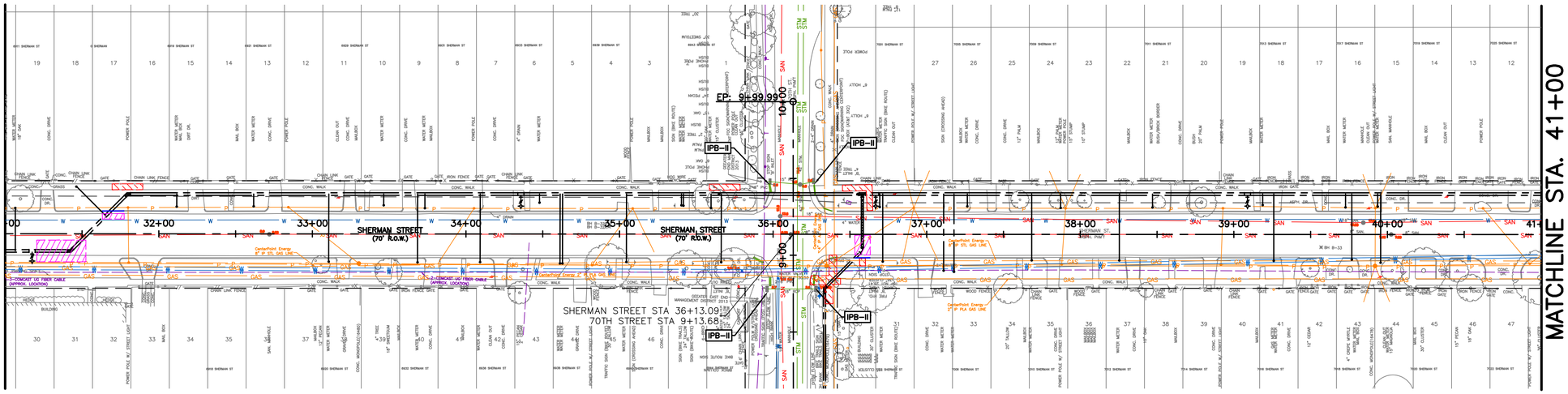

0' 25' 40' 80'

SCALE: 1"=40'

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I — INLET PROTECTION BARRIER TYPE I
- IPB–II — INLET PROTECTION BARRIER TYPE II
- IPB–III — INLET PROTECTION BARRIER TYPE III
- RFD–TYPE — ROCK FILTER DAM

NO.	DATE	REVISION	APP.

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713.869.3433 | DCCM.com

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN
SHERMAN STREET
(SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 307 OF 318	

PLOTTED: 12/12/2025 3:01 PM

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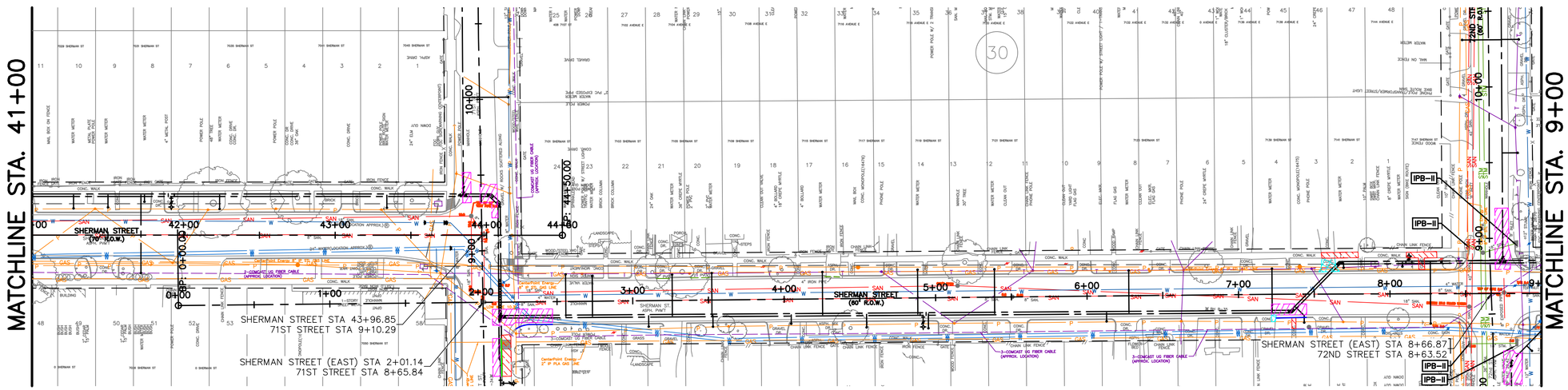
MATCHLINE STA. 41+00
MATCHLINE STA. 9+00
SHERMAN STREET (70' R.O.W.)
SHERMAN STREET (60' R.O.W.)
SHERMAN STREET (80' R.O.W.)
SHERMAN STREET (EAST) STA 2+01.14
71ST STREET STA 8+65.84
SHERMAN STREET STA 43+96.85
71ST STREET STA 9+10.29
SHERMAN STREET (EAST) STA 8+66.87
72ND STREET STA 8+63.52
72ND ST
IPB-II
IPB-II
IPB-II

PLOTTED: 12/12/2025 3:06 PM

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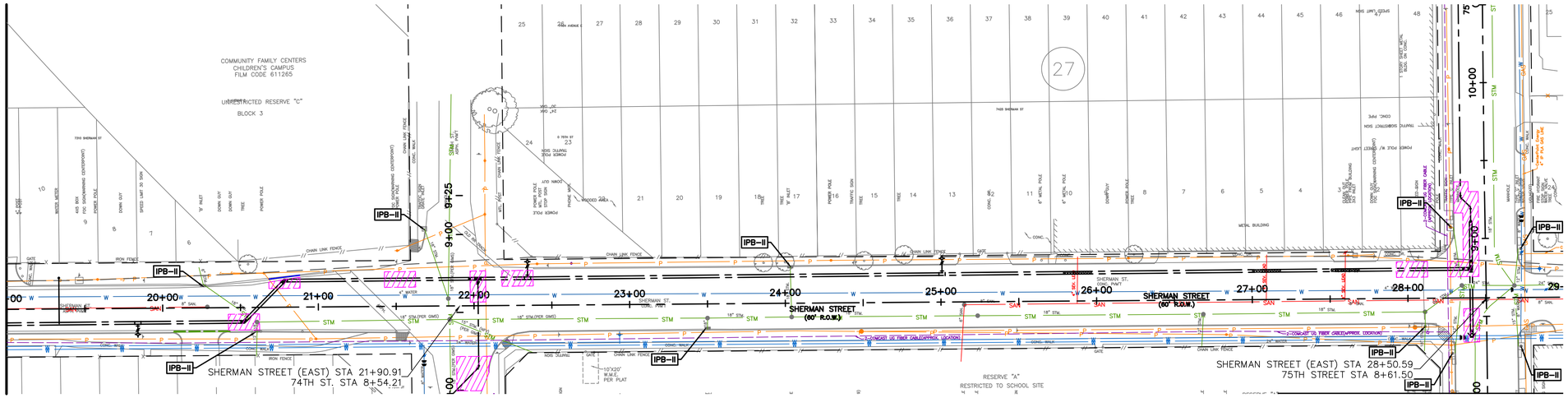

0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB–I	INLET PROTECTION BARRIER TYPE I
IPB–II	INLET PROTECTION BARRIER TYPE II
IPB–III	INLET PROTECTION BARRIER TYPE III
RFD–TYPE	ROCK FILTER DAM

DCCM Infrastructure, Inc. | TxEng F-257
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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN SHERMAN STREET (SHEET 4 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 309 OF 318	

PLOTTED: 12/12/2025 3:07 PM

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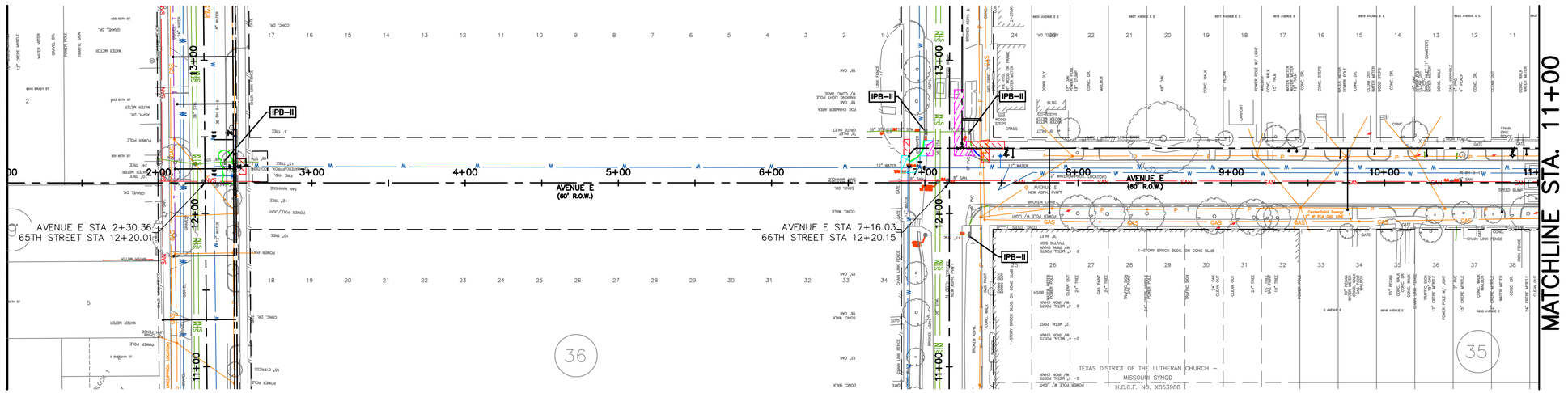

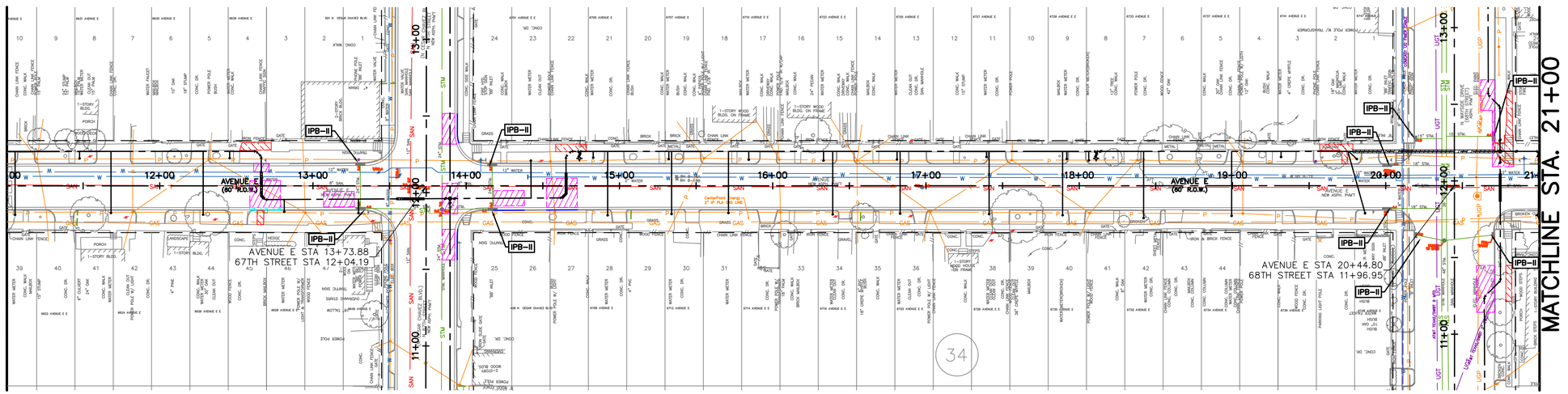

0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
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HOUSTON PUBLIC WORKS

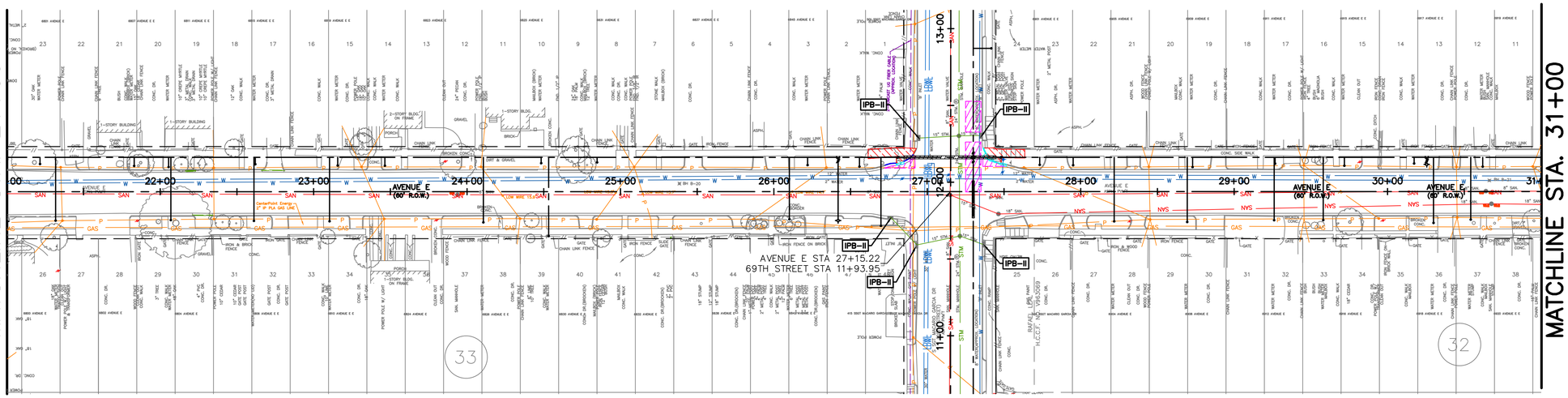
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

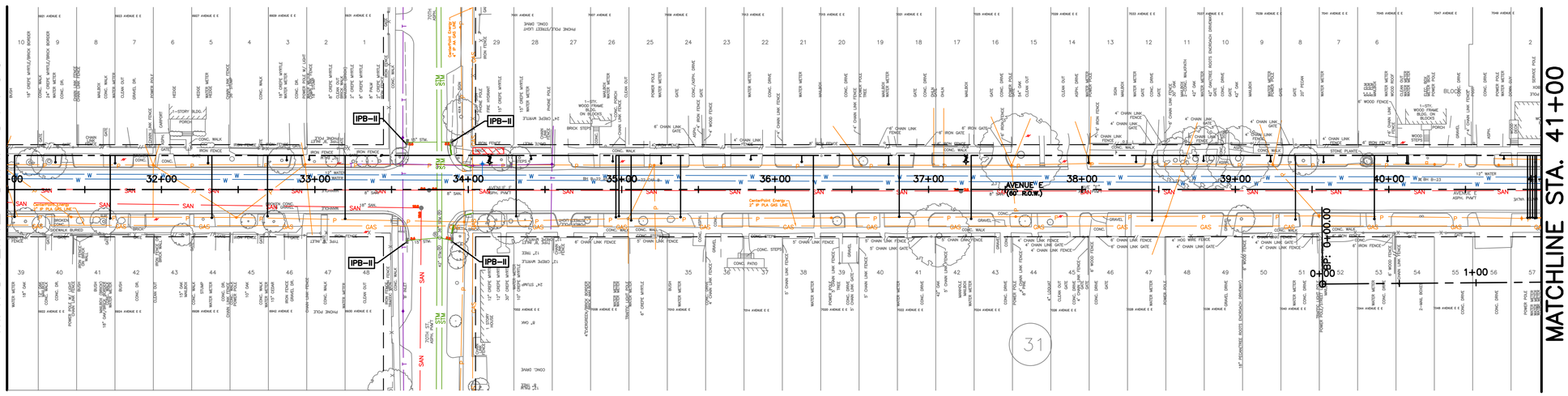
STORM WATER POLLUTION PREVENTION PLAN AVENUE E (SHEET 1 OF 3)

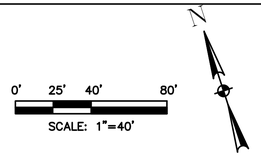
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 310 OF 318	

PLOTTED: 12/12/2025 3:09 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-SWPPP-SHEETS-AVE E.dwg







NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I — INLET PROTECTION BARRIER TYPE I
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- RFD–TYPE — ROCK FILTER DAM

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TEXAS REGISTRATION No.107085

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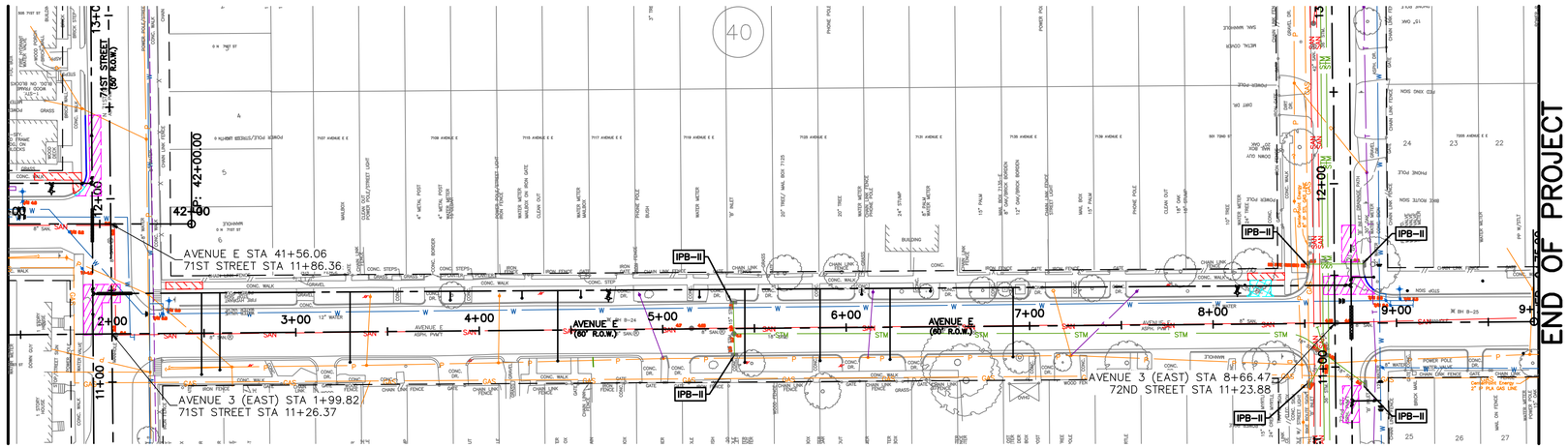
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE E (SHEET 2 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 311 OF 318	



0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

RFB — x —	PROPOSED REINFORCED FILTER BARRIER
IPB-I	INLET PROTECTION BARRIER TYPE I
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STORM WATER POLLUTION PREVENTION PLAN AVENUE E (SHEET 3 OF 3)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 312 OF 318	

PLOTTED: 12/12/2025 3:11 PM
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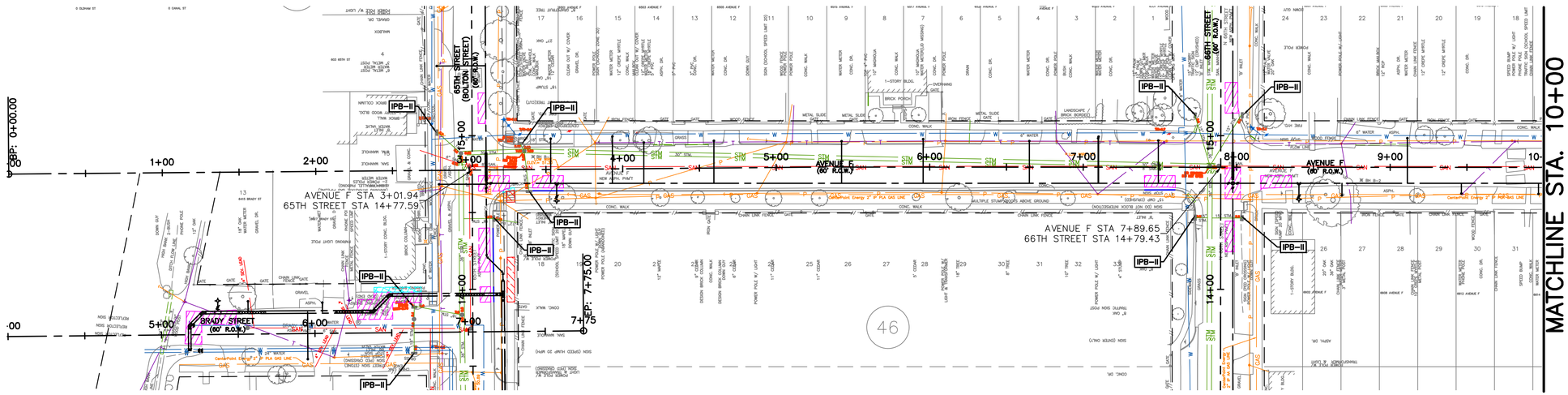

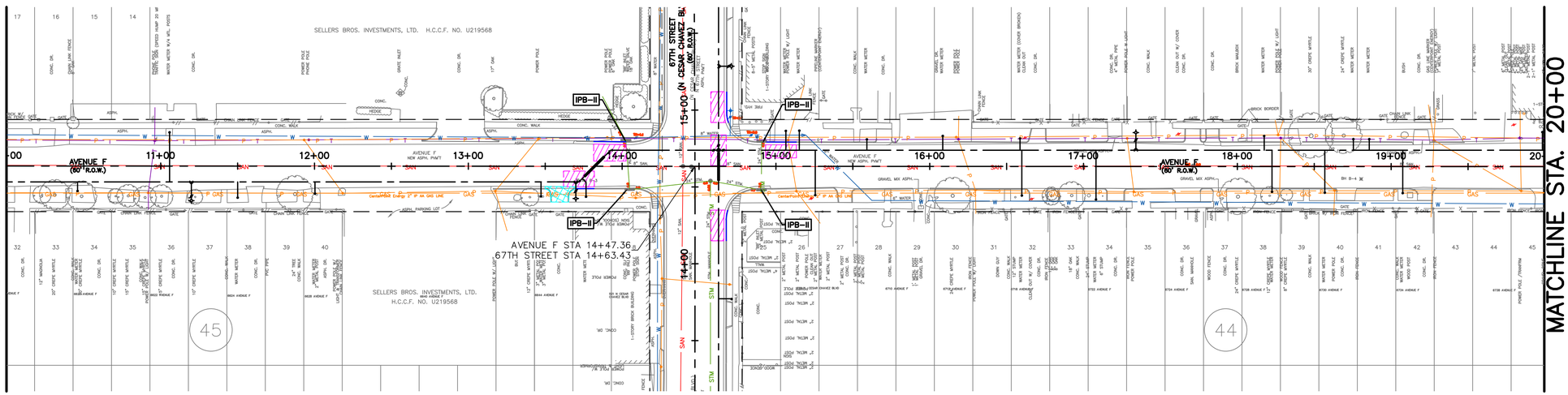

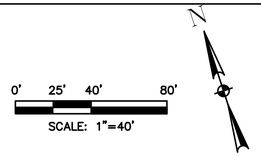

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB-I — INLET PROTECTION BARRIER TYPE I
- IPB-II — INLET PROTECTION BARRIER TYPE II
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NO.	DATE	REVISION	APP.

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TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN AVENUE F (SHEET 1 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 313 OF 318	

PLOTTED: 12/12/2025 4:18 PM

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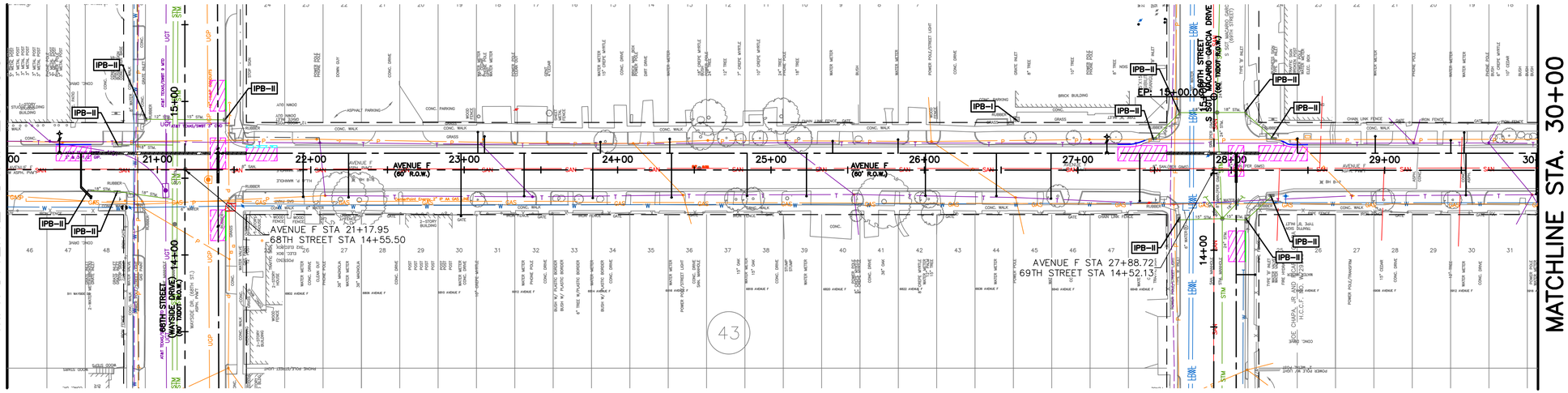

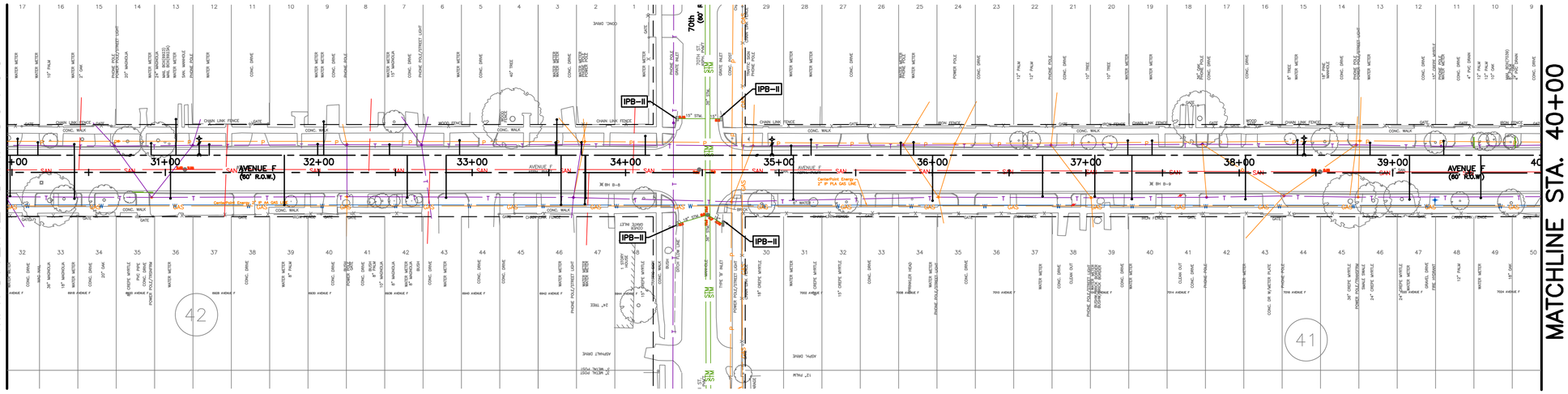

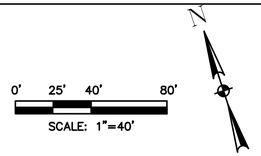

NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB-I — INLET PROTECTION BARRIER TYPE I
- IPB-II — INLET PROTECTION BARRIER TYPE II
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- RFD-TYPE — ROCK FILTER DAM

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TEXAS REGISTRATION No.107085

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

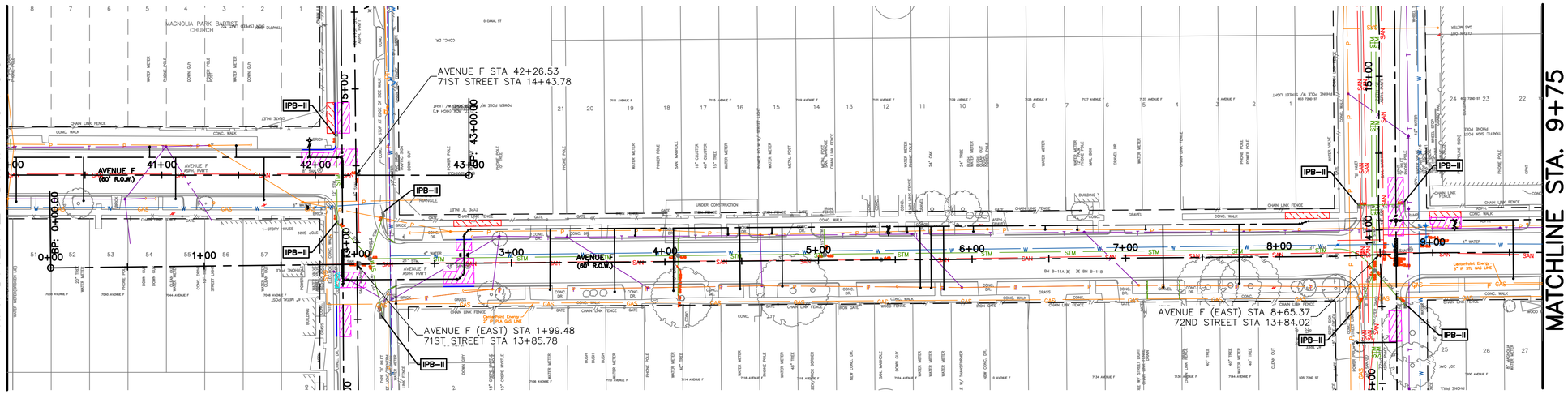
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

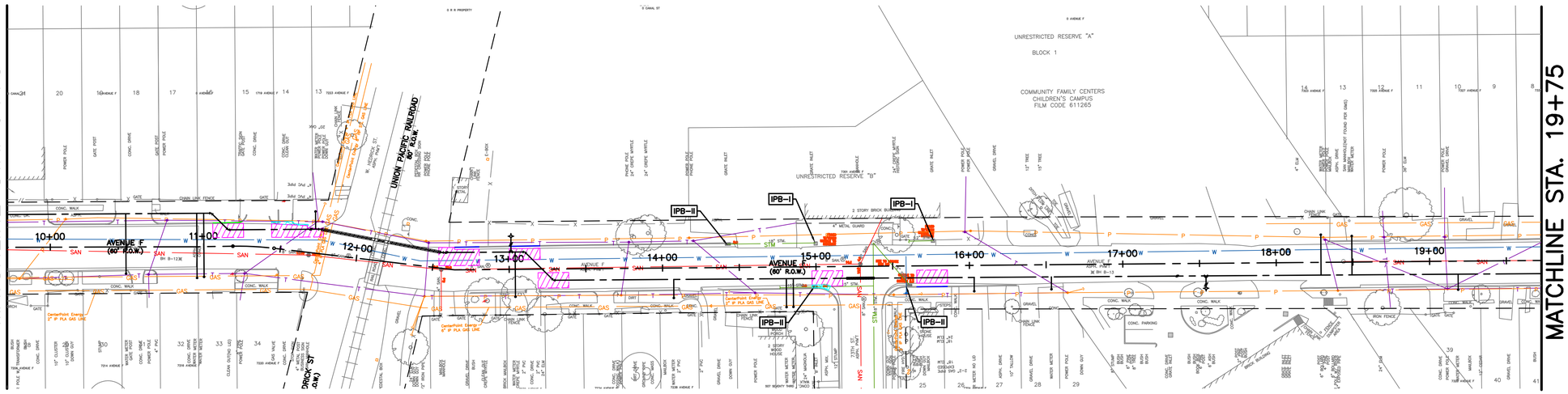
STORM WATER POLLUTION PREVENTION PLAN AVENUE F (SHEET 2 OF 4)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 314 OF 318	

PLOTTED: 12/12/2025 4:18 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab in Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-SWPPP-SHEETS-AVE F.dwg





0' 25' 40' 80'

SCALE: 1"=40'

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
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NO.	DATE	REVISION	APP.

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STORM WATER POLLUTION PREVENTION PLAN AVENUE F (SHEET 3 OF 4)

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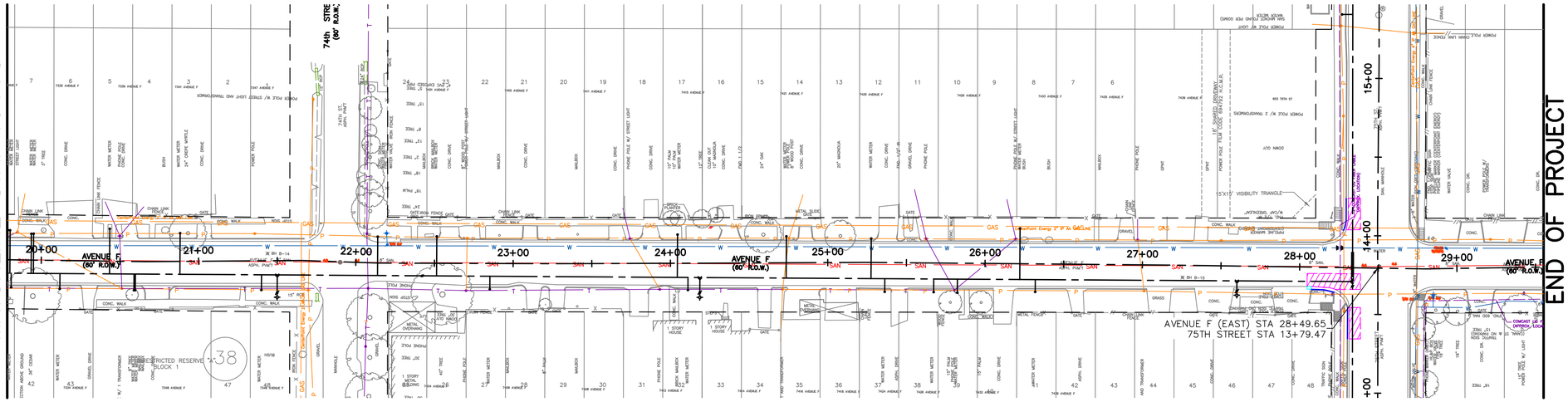
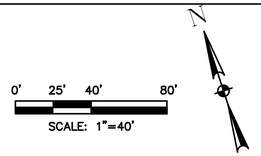
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 315 OF 318	

PLOTTED: 12/12/2025 4:18 PM

FILE PATH: J:\COHoustonPWE\2000000166.000_WL Rehab In Central Pk & Magnolia Pk Sub\6.00_CADD\6.03_Drawings\6.03.1_Sheet_Files\20-0166.1-PD-SWPPP-SHEETS-AVE F.dwg





NO.	DATE	REVISION	APP.

LEGEND

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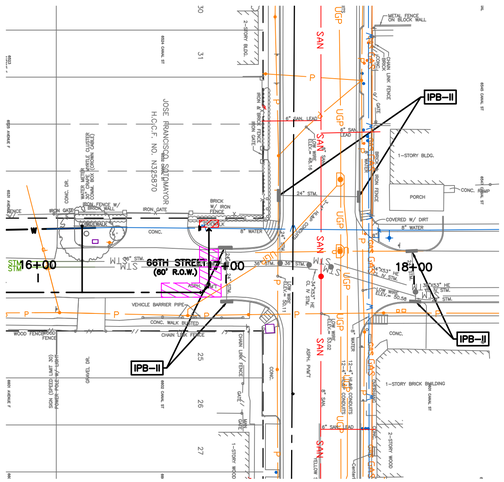
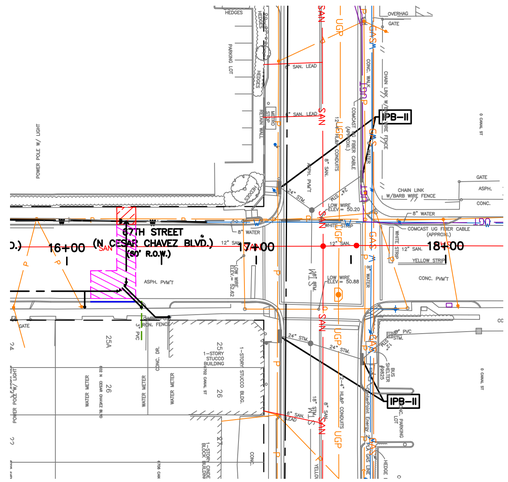
HOUSTON PUBLIC WORKS

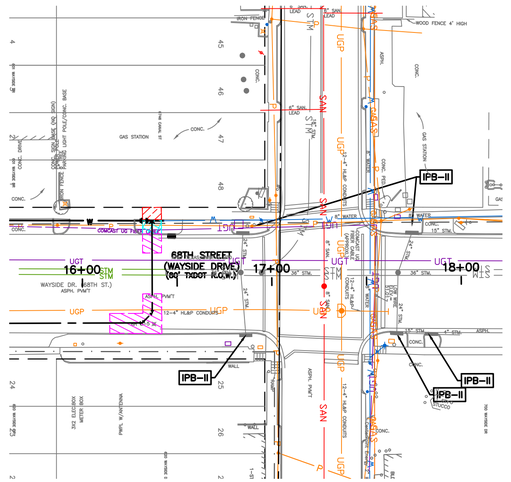
WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

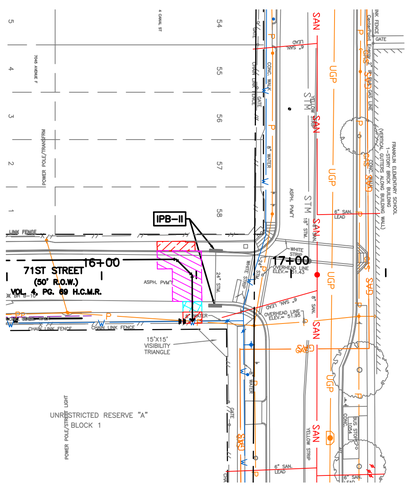
SWPPP
PREVENTION PLAN
AVENUE F
(SHEET 4 OF 4)

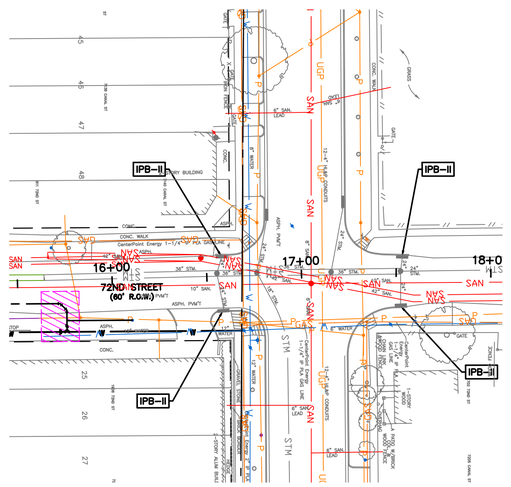
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 316 OF 318	











0' 25' 40' 80'

SCALE: 1"=40'

NO.	DATE	REVISION	APP.

LEGEND

- RFB — x — PROPOSED REINFORCED FILTER BARRIER
- IPB–I — INLET PROTECTION BARRIER TYPE I
- IPB–II — INLET PROTECTION BARRIER TYPE II
- IPB–III — INLET PROTECTION BARRIER TYPE III
- RFD–TYPE — ROCK FILTER DAM

DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

STORM WATER POLLUTION PREVENTION PLAN
66TH 67TH 68TH 71ST 72ND ST
(SHEET 1 OF 1)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=40' VERT: N/A	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 317 OF 318	

PLOTTED: 12/12/2025 4:18 PM

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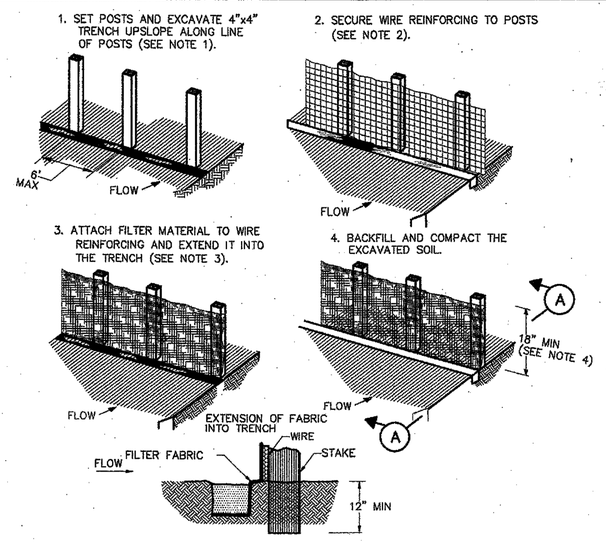
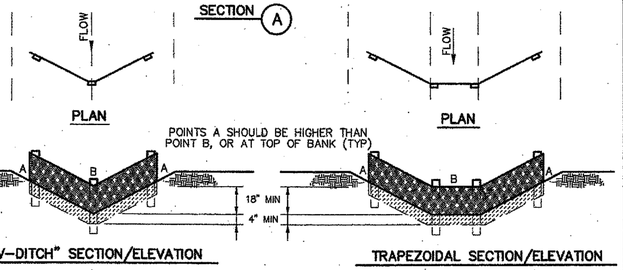
NO.	DATE	REVISION	APP.

1. SET POSTS AND EXCAVATE 4"x4" TRENCH UPSLOPE ALONG LINE OF POSTS (SEE NOTE 1).
2. SECURE WIRE REINFORCING TO POSTS (SEE NOTE 2).
3. ATTACH FILTER MATERIAL TO WIRE REINFORCING AND EXTEND IT INTO THE TRENCH (SEE NOTE 3).
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



SECTION (A)



PLAN PLAN

"V-DITCH" SECTION/ELEVATION — TRAPEZOIDAL SECTION/ELEVATION

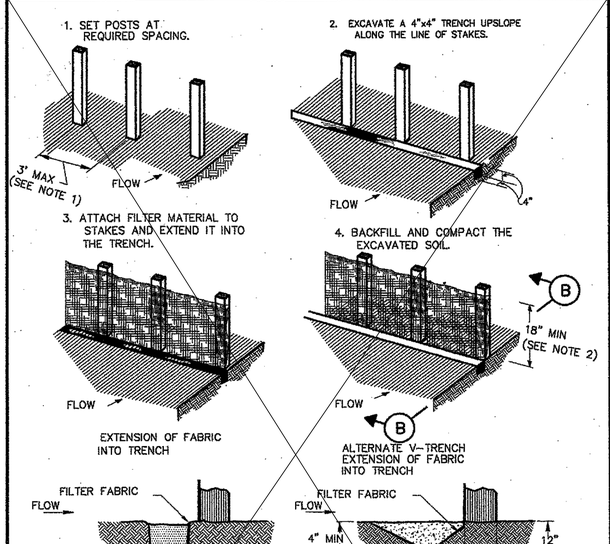
CONSTRUCTION NOTES:

1. SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
2. WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCING, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
6. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

SYMBOL

REINFORCED FILTER FABRIC BARRIER

1. SET POSTS AT REQUIRED SPACING.
2. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.
3. ATTACH FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



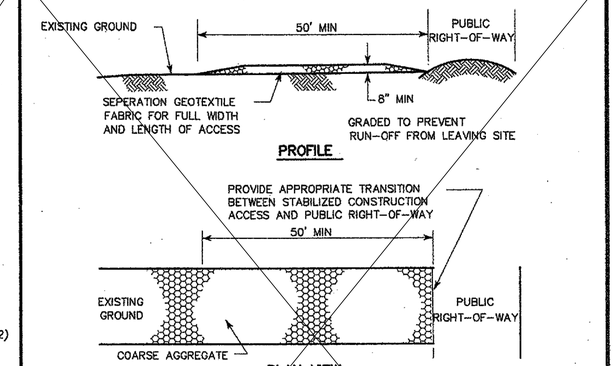
SECTION (B) — SECTION ALTERNATE (B)

CONSTRUCTION NOTES:

1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
4. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

SYMBOL

FILTER FABRIC BARRIER



PROFILE

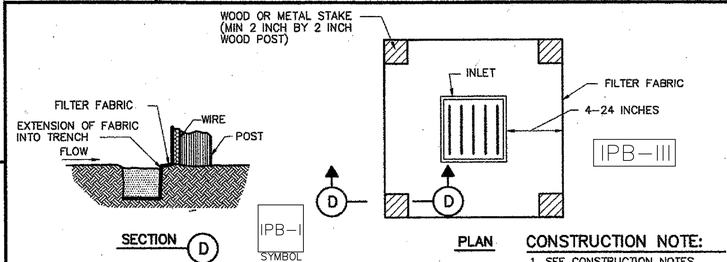
PLAN VIEW

CONSTRUCTION NOTES:

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION ACCESS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMODATE A WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE WASHING AREA.
6. COH STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
7. STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

SC
SYMBOL

STABILIZED CONSTRUCTION ACCESS

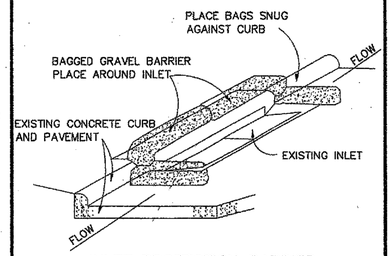


SECTION (D) — IPB-I SYMBOL — PLAN

CONSTRUCTION NOTE:

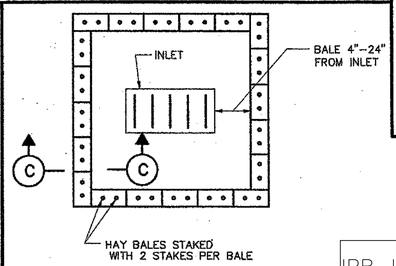
1. SEE CONSTRUCTION NOTES FOR RFB.

SILT FENCE INLET PROTECTION BARRIER

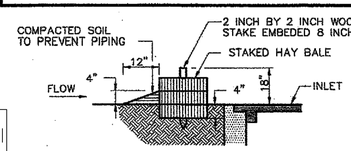


INLET PROTECTION BARRIER

(FOR STAGE II INLETS)
BAGGED GRAVEL BARRIER



PLAN — IPB-I SYMBOL



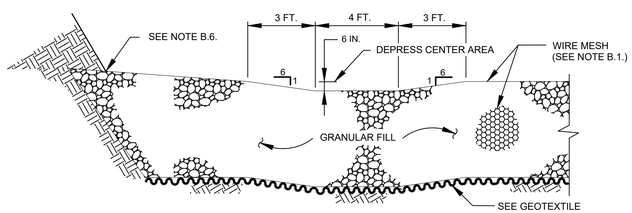
SECTION (C)

HAY BALE INLET PROTECTION BARRIER

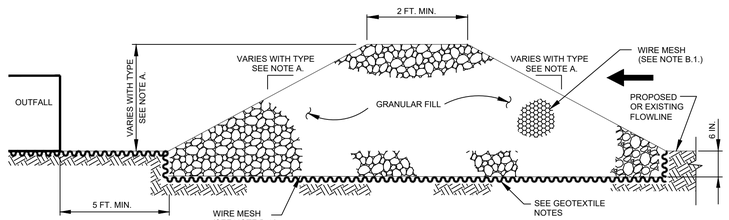
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

APPROVED FOR CITY ENGINEER | APPROVED DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JULY-01-2010 | DWG NO: 01571-01



C SECTION



NOTE:
ONLY APPLIES FOR DETENTION BASIN OUTFALL PIPE PROTECTION.

B SECTION

FD-TYPE
SYMBOL

HCFCD FILTER DAM DETAIL

DCCM
DCCM Infrastructure, Inc. | TxEng F-257
1710 Seamist Dr, Houston, TX 77008
713.869.3433 | DCCM.com

SURVEYED BY:
LANDTECH, INC.
FB NO. P-6397

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RESPONSIBLE ENGINEER:
ANDRES BERDUGO, P.E.
TEXAS REGISTRATION No.107085

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WATER LINE REHABILITATION IN CENTRAL PARK & MAGNOLIA PARK SUBDIVISIONS I

SWPPP DETAILS

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000035-0267-3	
DRAWING SCALE	
HORIZ: 1"=20' VERT: 1"=2'	
CITY OF HOUSTON PM	
ROWAIDAH AYOUB, P.E.	
SHEET NO. 318 OF 318	