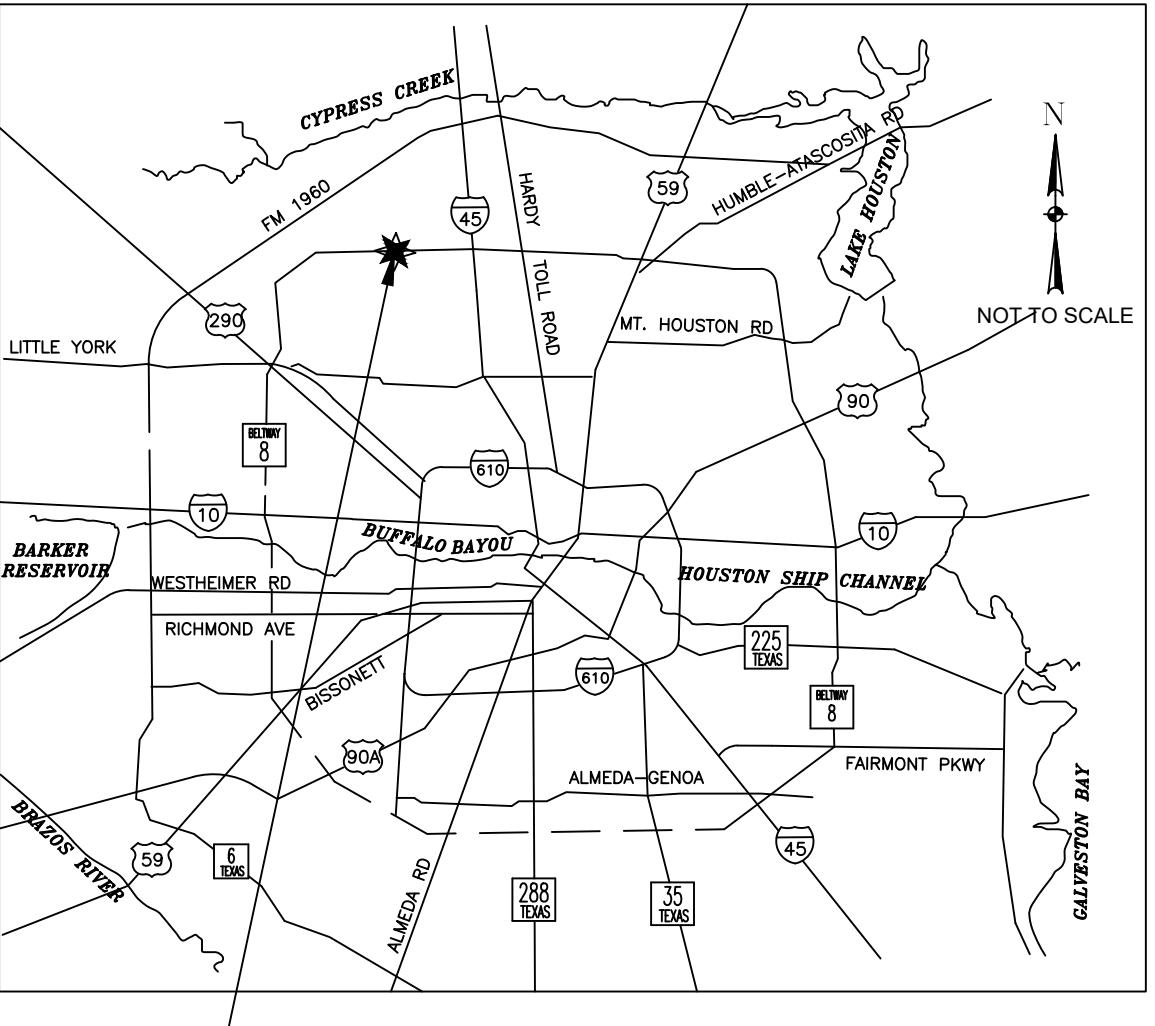


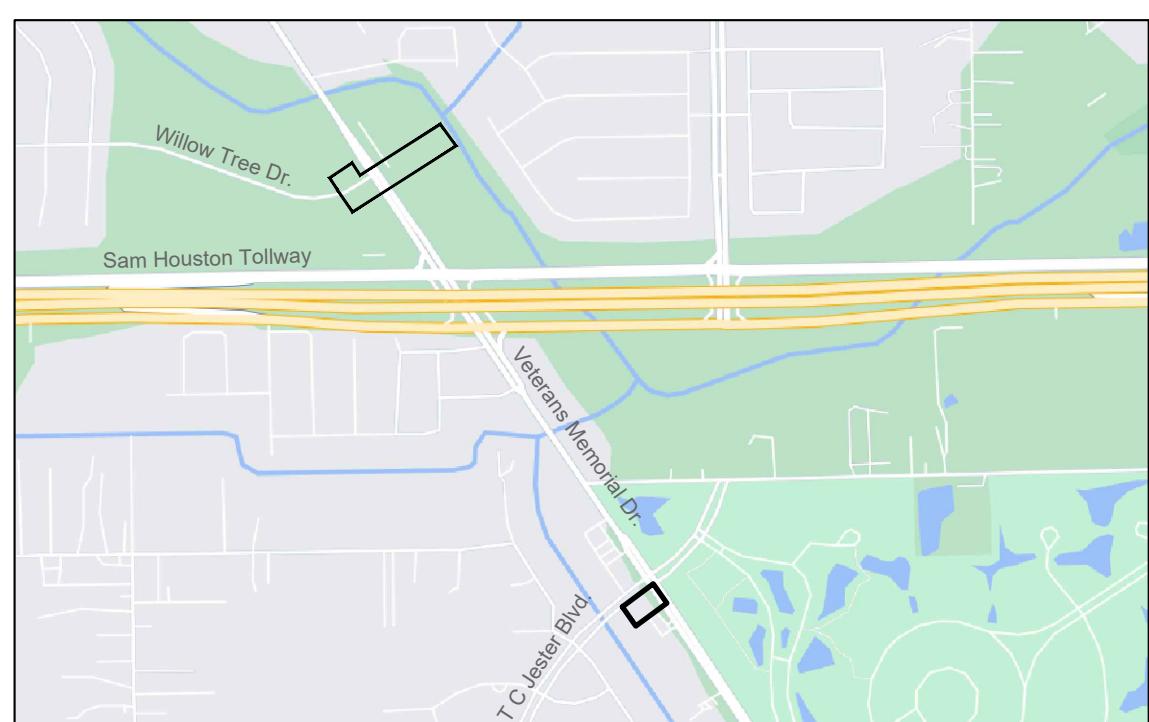
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

GROUNDWATER REDUCTION PLAN (GRP) CONVERSION WATERLINES NORTHEAST AREA GROUP B WBS NO. S-000900-0305-4



PROJECT LOCATION
LOCATION MAP
N.T.S.



VICINITY MAP

N.T.S.

KEY MAP NO 371V
GIMS MAP NO 13565
COUNCIL DISTRICT B

DISTRICT COUNCIL MEMBERS

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



MAYOR
JOHN WHITMIRE

CONTROLLER
CHRIS HOLLINS

COUNCIL MEMBERS AT-LARGE

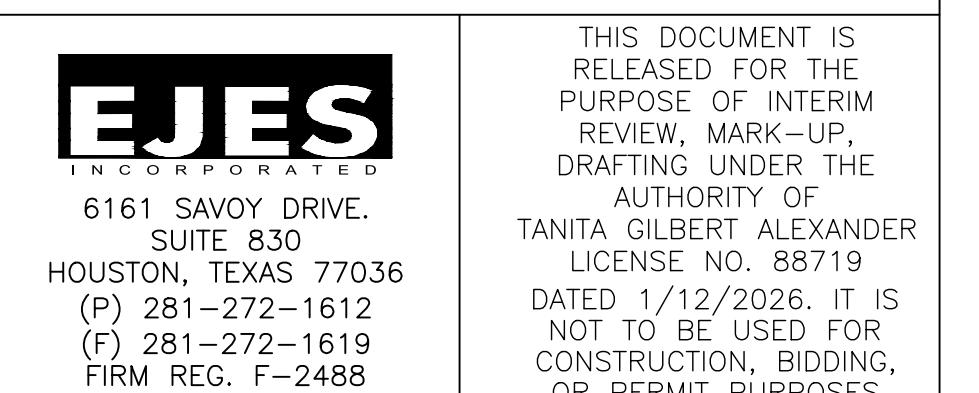
JULIAN RAMIREZ POSITION 1	WILLIE DAVIS POSITION 2
TWILA CARTER POSITION 3	LETITIA PLUMMER POSITION 4
SALLIE ALCORN POSITION 5	

*Construction in Harris County Flood Control District Right-of-Way Requires:
Site plans must be approved prior to obtaining the required HCFCD Right-of-Way Notification. Be advised that the HCFCD Right-of-Way Notification is separate from the site development permit package.
1) HCFCD Right-of-Way Notification (permit)
2) HCFCD 48-hr Pre-Construction Notice
Both are required prior to entering or working within Harris County Flood Control District right-of-way.
The HCFCD Right-of-Way Notification and 48-hr notice must be provided at dcid@hcfcd.hctx.net.
To apply for the HCFCD Right-of-Way Notification please go to <http://apps.harriscountytx.gov/EPermits> and apply for the HCFCD ROW under ROW Notification.
Failure to provide both items could result in project delays.

NO.	DATE	REVISION	APP.
EJES INCORPORATED	6161 SAVOY DRIVE, SUITE 830 HOUSTON, TEXAS 77036 (P) 281-272-1612 (F) 281-272-1619 FIRM REG. F-2488	THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW, MARK-UP, DRAFTING UNDER THE AUTHORITY OF TANITA GILBERT ALEXANDER LICENSE NO. 88719 DATED 1/12/2026. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES	
SURVEYED BY: KUO REG NO. 10075600			
DESIGN PM			DATE
CONSTRUCTION			DATE
MANAGING ENGINEER			DATE
HOUSTON WATER (WWOPS)			DATE
PARK-FORESTRY DEPT.			DATE
CITY ENGINEER		FOR CITY OF HOUSTON USE ONLY	
DIRECTOR OF HOUSTON PUBLIC WORKS			DATE
SHEET NO. 1 OF 37 SHEETS			

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WILLOW TREE BASELINE PROFILE VIEW STA 1+64 TO STA 3+31
WILLOW TREE BASELINE PROFILE VIEW STA 3+31 TO STA 6+00
WILLOW TREE BASELINE PLAN VIEW 6+00 TO END
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NO. DATE REVISION APP.



CITY OF HOUSTON
HOUSTON PUBLIC WORKS

**COH GRP CONVERSION WL
NE AREA GROUP B**

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S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO.	2 OF 37

1. PROPERTY DESCRIPTION

I. LOCATION INFORMATION

A. HARRIS COUNTY COMMISSIONER'S PRECINCT:
 1 2 3 4
B. KEY MAP: 456C
C. ADDRESS: _____

II. LEGAL DESCRIPTION

A. ACREAGE: _____
B. SUBDIVISION: PARKWAY SECTION 1 & 2

SURVEY & ABSTRACT: _____

C. ADJACENT ROADS: JOHN RALSTON, TIDWELL, C.E. KING PKWY

III. PLATTING

A. SUBDIVISION PLAT B. STREETS PROPOSED
 PROPOSED PLAT / REPLAT PUBLIC
 RECORDED PLAT / REPLAT PRIVATE
 PUBLIC & PRIVATE
 NONE

PLAT NAME: PARKWAY SECTIONS 1 & 2

IV. JURISDICTIONS

CITY OF _____
 ETJ, CITY OF HOUSTON
 ETJ, CITY OF _____
 NO ETJ

V. HCAD ACCOUNT NOS. (ALL)

5. WORK IN HCFCD RIGHT-OF-WAY

I. TYPE OF WORK TO BE PERFORMED IN HCFCD ROW

A. BOND/NOTIFICATION INFORMATION
 HCFCD WATERSHED GREENS BAYOU
 HCFCD UNIT No. P122-00-00
 NUMBER OF OUTFALLS 1
 UTILITY CROSSING
 ROADWAY BRIDGE/CULVERT CROSSING
 FILL ACTIVITY
 REHABILITATION OF CHANNEL
 MAINTENANCE
 TEMPORARY CROSSING
 TRAIL (LENGTH)
 OTHER _____
COST OF WORK IN HCFCD ROW \$3,125,000

II. USAGE ENVIRONMENTAL PERMIT

US ARMY CORPS ENGINEERS NATIONWIDE PERMIT NUMBER(S) _____
 US ARMY CORPS OF ENGINEERS INDIVIDUAL PERMITS
 OTHER
 NO PERMITS REQUIRED
EXPLAIN: DETERMINED TO BE NONE
JURISDICTIONAL 9/21/2022

III. REFERENCE / BASIS OF DETERMINATION

ENVIRONMENTAL CONSULTANT REPORT BY WATEARTH, INC.
REPORT TITLE PHASE 1 E&S PARKWAY SUBDIVISION DRAINAGE IMP.
REPORT DATE 2/1/2021
 OTHER

NOTES:
I - III. REQUIRED ON PROJECTS WITH WORK IN A HCFCD CHANNEL
PLEASE REFER TO SECTION 17 OF THE FLOOD CONTROL DISTRICT POLICY, CRITERIA, AND PROCEDURE MANUAL FOR MORE INFORMATION.

IV. HCFCD STANDARD NOTES: SEE SHEET 11-12 OF THESE PLANS.

V. HCFCD STANDARD DETAILS: SEE SHEET 93-95 OF THESE PLANS.

VI. HCFCD ACCESS PLAN: SEE SHEET 73 OF THESE PLANS.

VII. REFER TO PLAN SHEETS FOR EXISTING AND PROPOSED RIGHT OF WAY DELINEATION AND RECORDING INFORMATION PER HCFCD POLICY CRITERIA & PROCEDURE MANUAL (i.e., DRAINAGE EASEMENT, FEE STRIP, ETC.) FEE STRIP, ETC.) AND GRANTEE (e.g. COH, HCFCD, PUBLIC, TXDOT, ETC.)

2. SITE DETENTION DRAINAGE

I. PROPOSED DRAINAGE AREA

NEW DEVELOPMENT AREA: _____
 RE-DEVELOPMENT AREA (NET NEW DEVELOPED AREA): _____
 LOW IMPACT DEVELOPMENT (LID)
METHOD/DESCRIPTION _____

II. METHODOLOGY

HCFCD PCPM DETENTION METHOD USED:
 METHOD 1 (LESS THAN 20 ACRES): _____
 METHOD 2 (20 ACRES TO 640 ACRES): _____
 METHOD 3 (GREATER THAN 640 ACRES): _____
 OTHER: _____

III. DETENTION VOLUME & OUTFALL

OUTFALL TO:
 .65, H.C.F.C.D. CHANNEL (H.C.F.C.D. UNIT NO.) P122-00-00

.75, EXISTING STORM SEWER (OWNER & OPERATOR) _____

1.00, ROADSIDE DITCH, (OWNER & ROAD OWNER) _____

OTHER _____

V. STORMWATER DETENTION BASIN INFORMATION

DETENTION BASIN SERVICE AREA	93.54			
STORM EVENT	50%	10%	1%	
MAXIMUM ALLOWABLE OUTFLOW (PRE-DEVELOPMENT PEAK FLOW)	133.0	156.4	184.9	
MAXIMUM OUTFLOW PROVIDED (PEAK FLOW FROM BASIN)	52.2	68.6	84.5	
LOWEST NATURAL/FINISHED GROUND OR FINISHED FLOOR ELEVATION ESTIMATE	26			
DESIGN WATER SURFACE ELEVATION	40.0			
MINIMUM STORAGE REQUIRED (ac-ft)	10.92			
DETENTION STORAGE PROVIDED (ac-ft)	83.91			
STORAGE RATE PROVIDED (ac-ft/ft)	0.90			
OUTFLOW VELOCITY INTO CHANNEL (ft/sec)	4.5	6.7	6.7	
DRAIN TIME - 1% ONLY (hours)	12.5			
EMERGENCY OVERFLOW (TYPE, SIZE, ELEVATION, ETC.)	NA			

B. DETENTION BASIN TO BE MAINTAINED BY HCFCD

C. DETENTION SERVICE AREA MAP ON SHEET 18

D. ADDITIONAL CRITERIA FOR PUMPED DETENTION BASINS

VOLUME OF PUMPED 1X EXCEDANCE STORAGE VOLUME = acft % OF TOTAL VOLUME
MAXIMUM DESIGN OUTFLOW VELOCITY INTO HCFCD CHANNEL = FT/SEC
DRAIN TIME FOR BASIN = HOURS BASED ON HEAD CONDITIONS

V. DETENTION PROVIDED IN OTHER PLANS:

HCFCD PROJECT No. _____ DATE SIGNED BY HCFCD: _____
PLAN TITLE _____
DETENTION POND SERVICE AREA MAP IS PROVIDED ON SHEET _____

ENGINEERING FIRM _____
DETENTION BASIN MAINTAINED BY: _____

VI. FLOW RESTRICTOR SIZE

OUTFALL PIPE SIZE: 36*
RESTRICTOR PIPE SIZE: NA
RESTRICTOR PLATE DIMENSION: _____

VII. DETENTION PROVIDED BY

REGIONAL DETENTION BASIN SYSTEM (APPROVED H.C. PRJ NO.): _____

FOR PROJECTS LOCATED IN ANY FLOODPLAIN
Development constructed or placed in accordance with these plans will comply with all provisions of the designated Floodplain Administrator.
No net fill is allowed in the flood plain and no fill is allowed in the floodway.

OFFSITE SHEET FLOW: (100 YEAR)

OFFSITE SHEET FLOW MAPPING, TOTAL DISCHARGE CALCULATIONS, AND DESIGN ACCOMMODATIONS ARE SHOWN ON SHEET _____ OR, AS PRESENTED IN THE APPROVED DRAINAGE STUDY ENTITLED _____.

TOTAL ACREAGE = _____
TOTAL DISCHARGE = _____

NOTE: ALL OFFSITE SHEET FLOW FROM ADJACENT PROPERTIES MUST BE IDENTIFIED AND PROPERLY ACCOUNTED FOR IN THE PROJECT. THE SIGNING ENGINEER HEREBY CERTIFIES THAT THESE AREAS HAVE BEEN ADDRESSED.

3. SWQ DISCHARGE INTO FCD FACILITY

I. SWPPP: CONSTRUCTION MEASURES (Must Complete)

DISTURBS >1AC. SITE PLAN & DETAILS ON SHEET(S)
 DISTURBS <1AC. N/A

II. APPLICABILITY FOR PERMANENT FEATURES (Must Complete)

EXEMPT NEW DEVELOPMENT:

PROJECT IS ON A PARCEL (A COMMON PLAN OF DEVELOPMENT) LESS THAN 5 ACRES.
(must be verified with plat)

EXEMPT REDEVELOPMENT:

PROJECT DOES NOT MEET THE DEFINITION OF SIGNIFICANT REDEVELOPMENT (Part A, Sec. 2.39 of Regulations of Harris County, Texas for Stormwater Quality Management)

EXEMPT GRANDFATHERED:

PROJECT'S DRAINAGE TIES DIRECTLY INTO AN EXISTING DRAINAGE SYSTEM PRIOR TO OCTOBER 1, 2001.
(FOR VERIFICATION: PROVIDE ORIGINAL DRAINAGE AREA MAP INCLUDING CALCULATIONS)

GENERAL:

PROJECT'S SWQ REQUIREMENTS FALL WITHIN THE JURISDICTION OF:

STORMWATER QUALITY PERMIT REQUIREMENT IS COVERED BY AN EXISTING SWQMP WITHIN PROJECT TITLE: HARRIS COUNTY PROJECT NO. & SWQ PERMIT NO.

STORMWATER QUALITY MANAGEMENT PLAN:

SITE PLAN ON SHEET(S) _____

III. PERMANENT SWQ FEATURES (COMPLETE IF NOT EXEMPT)

VEGETATIVE CONTROLS USED: (FILTER STRIP, GRASSY SWALE, URBAN FORESTRY) DETAILS AND CALCULATIONS APPEAR ON SHEET(S)

POND STRUCTURE USED (WET, DRY, WETLANDS) DETAILS AND CALCULATIONS APPEAR ON SHEET(S)

HYDRODYNAMIC TYPE SEPARATOR MODEL: _____

OTHER(S): _____

4. FLOOD PLAIN STATUS

I. GENERAL INFORMATION

FIRM PANEL(S) FOR PROPERTY: 48201C0705M

FIRM PANEL(S) DATE: 1/6/17

STATUS OF PROPERTY ON MAP

ENTIRELY LOCATED IN UNSHADED ZONE "X"

LOCATED PARTIALLY OR ENTIRELY IN AN "A" ZONE OR SHADED ZONE "X". DELINATE FLOODPLAIN BOUNDARY ON CONSTRUCTION DRAWINGS (DRAINAGE LAYOUT PG. NO. 9-10) (1% BASE FLOOD LEVEL 93.9)

(0.2% BASE FLOOD LEVEL 43.6)

SITE REMOVED FROM FLOODPLAIN BY LOMR, LOMR-F, LOMA CASE NO. _____ REVISED FLOODPLAIN IS SHOWN ON SHEET _____

ELEVATION INFORMATION

BENCHMARK USED

HARRIS COUNTY FLOODPLAIN REFERENCE MARK

HARRIS-GALVESTON COASTAL SEDIMENT DISTRICT

BENCHMARK (FOR COASTAL AREAS)

DESCRIPTION OF BENCHMARK INCLUDING ELEVATION, DATUM AND YEAR OF ADJUSTMENT (2001 ADJ.)

BRASS DISK STAMPED 150049 FROM THE INTERSECTION OF TIDWELL RD. AND JOHN RALSTON RD. TRAVEL NORTH OF JOHN RALSTON RD. APPROXIMATELY 0.7 MILES TO A BRIDGE. MONUMENT IS ON THE WEST SIDEWALK AT THE NORTHEAST CORNER OF THE BRIDGE.

II. FLOOD PLAIN DETERMINATION BASED ON GROUND ELEVATION

PROPERTY LIES ENTIRELY ABOVE THE BASE FLOOD LEVEL AND IN SHADED ZONE "X"

PROPERTY LIES PARTIALLY OR ENTIRELY BELOW THE BASE FLOOD LEVEL

III. FLOODPLAIN STORAGE SUMMARY (APPLIES ONLY TO PORTION OF LAND LOCATED WITHIN FLOODPLAIN AS DELINATED BY FIRM PANEL)

A. TOTAL VOLUME OF MATERIAL PROPOSED TO BE MOVED OR PLACED WITHIN THE FIRM DELINATED FLOODPLAIN (FILL, BASE, CONCRETE, ASPHALT, ETC.): BELOW 0.2% BASE FLOOD ELEVATION 43.6 (2001 ADJ.) 2937 CUBIC YARDS

B. TOTAL VOLUME OF MATERIAL PROPOSED TO BE REMOVED FROM THE FIRM DELINATED FLOODPLAIN: BELOW 0.2% BASE FLOOD ELEVATION 43.6 (2001 ADJ.) 15858 CUBIC YARDS

C. FILL AREA & VOLUME CALCULATIONS ARE SHOWN ON SHEET 15-17

HCFCD SIGNATURE BLOCK

PROJECT NAME: COH GRP CONVERSION WATERLINE NE AREA GROUP B

ADDRESS: _____

WAS ACCEPTED BY HARRIS COUNTY FLOOD CONTROL DISTRICT FOR THE PURPOSES LISTED BELOW:

HARRIS COUNTY FLOOD CONTROL DISTRICT

INTERPOSE NO OBJECTION

BY _____ FOR ITEMS LOCATED OUTSIDE OF HCFCD RIGHT-OF-WAY

APPROVED:

BY _____ FOR ITEMS LOCATED WITHIN EXISTING HCFCD RIGHT-OF-WAY

APPROVED:

BY _____ FOR ITEMS LOCATED WITHIN PROPOSED HCFCD RIGHT-OF-WAY

NO REVIEW REQUIRED:

BY _____ FINAL PERMITTING BY OTHERS

ADDITIONAL COMMENTS: _____

THE PROJECT WAS REVIEWED, HOWEVER, THIS DOES NOT MEAN THE ENTIRE PROJECT, INCLUDING ALL SUPPORTING DATA AND CALCULATIONS HAVE BEEN COMPLETELY CHECKED AND VERIFIED. THESE DRAWINGS ARE SIGNED, DATED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS, WHICH THEREFORE CONVEYS THE ENGINEER'S RESPONSIBILITY AND ACCOUNTABILITY. THIS DOES NOT RELIEVE ANY PARTY FROM COMPLYING WITH APPROPRIATE FEDERAL, STATE AND LOCAL ENVIRONMENTAL RULES, LAWS, AND REGULATIONS AND ANY OTHER LEGALLY ADOPTED REGULATION OR ORDINANCE RELATED TO LAND DEVELOPMENT. IF THE CITY SIGNATURES ARE REQUIRED BY ORDINANCE, COUNTY PERMITS WILL NOT BE ISSUED UNTIL SUCH SIGNATURES ARE OBTAINED. PLAN APPROVAL EXPIRATION TO BE IN ACCORDANCE WITH LOCAL GOVERNMENT CODE CH. 245.

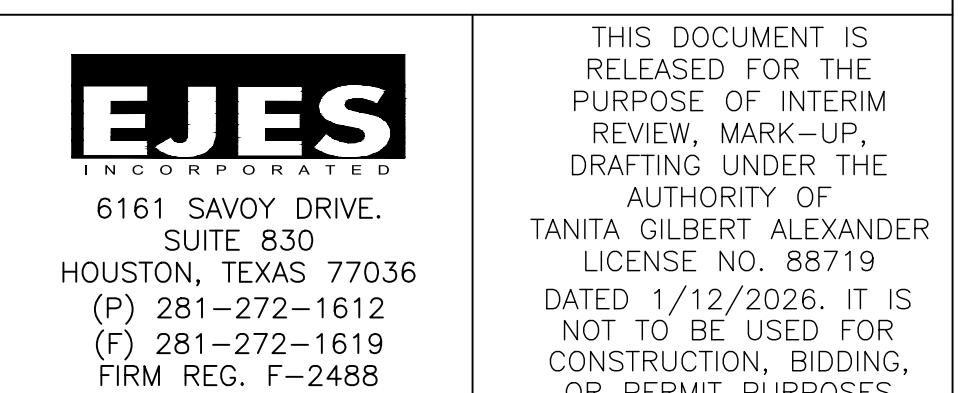
ENGINEER'S CERTIFICATION

I, _____, A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THE INFORMATION PRESENTED ON THIS SHEET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT I AM NOT VIOLATING ANY PROVISION OF THE CURRENT TEXAS



ABBREVIATIONS

AC	ACRES	OPRRPHCT	OFFICIAL PUBLIC RECORDS OF REAL PROPERTY
AE	AERIAL EASEMENT	PAE	PRIVATE ACCESS EASEMENT
AEP	ANNUAL EXCEEDANCE PROBABILITY	POB	POINT OF BEGINNING
AKA	ALSO KNOWN AS	POC	POINT OF COMMENCING
APPROX	APPROXIMATELY	PP	POWER POLE
AVE	AVENUE	PROP.	PROPOSED
BFE	BASE FLOOD ELEVATION	PT	POINT
BL	BUILDING LINE	PTP	PINCHED TOP PIPE
BRS	BEARS	PUE	PUBLIC UTILITY EASEMENT
BM	BENCH MARK	PVMT	PAVEMENT
CATV	CABLE TV	PVT.	PRIVATE
CCF NO.	COUNTY CLERK FILE NO.	RCB	REINFORCED CONCRETE BOX
CF NO.	CLERK FILE NO.	RCP	REINFORCED CONCRETE PIPE
CH.LNK.FNC	CHAIN LINKED FENCE	RCPA	REINFORCED CONCRETE ARCHED PIPE
CL	CENTER LINE	ROW	RIGHT OF WAY
CLD	CENTER LINE DITCH	RR	RAILROAD
CNP	CENTERPOINT ENERGY ELEC.	RT	RIGHT
CNP GAS	CENTERPOINT ENERGY GAS	S=XX%	SLOPE%
CMP	CORRUGATED METAL PIPE	SAN SWR	SANITARY SEWER
CONC	CONCRETE	SB/BH	SOIL BORING/BORE HOLE
COH	CITY OF HOUSTON	SH	SPRINKLER HEAD
DE	DRAINAGE EASEMENT	SP	SERVICE POLE
DESC	DESCRIPTION	SQ. FT.	SQUARE FEET
DIP	DOWNSTREAM	ST	STREET
DS	DRIVEWAY	STL	STEEL
D/W	EASEMENT	STM SWR	STORM SEWER
ESMT	EAST DITCH	STM. S.E.	STORM SEWER EASEMENT
E.D.	ELEVATION	STA.	STATION
EL	EXISTING	SWBT	SOUTHWESTERN BELL TELEPHONE
EXIST.	FILM CODE NUMBER	SYC	SYCAMORE
FC NO.	FENCE CORNER	TAL	TALLOW
FNC. COR.	FIRE HYDRANT	TCE	TEMPORARY CONSTRUCTION EASMENT
F.H.	FLOOD INSURANCE RATE MAP	TR	TREE
FIRM	FLOW LINE	TMB	TEMPORARY BENCHMARK
FL.	FLOODPLAIN MANAGEMENT OFFICE	TBD	TO BE DETERMINED
FMO	FOUND	TEMP	TEMPORARY
FND.	GAS METER	TOC	TOP OF CURB
GM	GAS VALVE	TYP.	TYPICAL
GV	HARRIS COUNTY CLERK FILE	UE	UTILITY EASEMENT
HCCF	HARRIS COUNTY DEED RECORDS	US	UPSTREAM
HCDR	HARRIS COUNTY MAP RECORDS	VOL	VOLUME
HCMR	HARD COUNT FLOOD CONTROL DISTRICT	W/	WITH
HCFCD	HARRIS COUNTY CLERK FILE NO.	W.D.	WEST DITCH
HCCF NO.	HYDRAULIC GRADIENT LINE	WL	WATER LINE
HGL	HIGH PRESSURE GAS MAIN	WLE	WATER LINE EASEMENT
HP GM	IRON PIPE	WM	WATER METER
IP	IRON ROD	WSEL	WATER SURFACE ELEVATION LEVEL
IR	IRRIGATION LINE	WV	WATER VALVE
IRR	LIGHT POLE		
LP	LEFT MAXIMUM		
LT	MANHOLE		
MAX	MINIMUM		
MH	NOT APPLICABLE		
MIN	NORTH AMERICAN VERTICAL DATUM		
N/A	NATIONAL GROUND		
NAVD	NATIONAL GEOLOGICAL SURVEY		
N.G.	NAIL		
NGS	NUMBER		
NL	NOT TO SCALE		
NO.			
NTS			



CITY OF HOUSTON
HOUSTON PUBLIC WORKS

**COH GRP CONVERSION WL
NE AREA GROUP B**

ABBREVIATIONS

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 6 OF 37	

PRIVATE UTILITY NOTES:**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. PLEASE CONTACT AT&T, TEXAS DAMAGE PREVENTION MANAGER KEVIN RAY AT (713) 614-1983 OR EMAIL HIM AT kr7896@att.com, IF THERE ARE QUESTIONS ABOUT BORING OR EXCAVATING NEAR OUR AT&T TEXAS/SWBT FACILITIES.

CENTERPOINT ENERGY NOTES:**CAUTION: UNDERGROUND GAS FACILITIES**

1. 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.
 - OR -WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 207-5463 (713) 945-8037 (7:00 AM TO 4:30 PM) 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.
2. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

WARNING: OVERHEAD ELECTRICAL LINES:

1. 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 PERSONS 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.
2. 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

1. 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 AND 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 AT 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.

STANDARD NOTES FOR CONSTRUCTION DRAWINGS (HCFCD):

1. OBTAIN AND COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL PERMITS AND APPROVALS, WITH ASSISTANCE FROM ENGINEER, IF NECESSARY. OBTAIN PERMIT (CERTIFICATION) FROM HARRIS COUNTY ENGINEER TO ENTER HARRIS COUNTY FLOOD CONTROL DISTRICT RIGHT-OF-WAY.
2. NOTIFY THE HARRIS COUNTY FLOOD CONTROL DISTRICT'S PROPERTY MANAGEMENT DEPARTMENT IN WRITING AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. SUBMIT THE HCFCD 48 HOUR PRE-CONSTRUCTION NOTIFICATION FORM, A COPY OF THE APPROVED CONSTRUCTION DRAWINGS, AND A COPY OF THE CORPS OF ENGINEERS INDIVIDUAL SECTION 404 PERMIT, IF APPLICABLE, TO HCFCD, 9900 NORTHWEST FREEWAY, HOUSTON, TEXAS 77092, ATTN: PROPERTY MANAGEMENT DEPT. BY HAND DELIVERY, OR FAX TO 713-684-4129 (FAX NUMBER).
3. ENGINEER SHALL SUBMIT CERTIFICATION LETTER AND RECORD DRAWINGS TO THE HARRIS COUNTY FLOOD CONTROL DISTRICT'S PROPERTY MANAGEMENT DEPARTMENT REQUESTING INSPECTION OF ITEMS CONSTRUCTED IN HARRIS COUNTY FLOOD CONTROL DISTRICT RIGHT-OF-WAY. PRIOR TO REQUESTING INSPECTION, THE DRAINAGE RIGHT-OF-WAY AND/OR EASEMENTS SHALL BE STAKED AND FLAGGED.
4. PROTECT, MAINTAIN, AND RESTORE EXISTING BACKSLOPE DRAINAGE SYSTEMS.
5. BACKSLOPE SWALE AND INTERCEPTOR STRUCTURE ELEVATIONS AND LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. FINAL ELEVATIONS AND LOCATIONS SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.
6. ESTABLISH TURF GRASS ON ALL DISTURBED AREAS WITHIN THE CHANNEL OR DETENTION RIGHT-OF-WAY, EXCEPT THE CHANNEL BOTTOM AND WHERE STRUCTURAL EROSION MEASURES ARE USED. MINIMUM ACCEPTANCE CRITERIA ARE 75% COVERAGE OF LIVE BERMUDA GRASS AND NO EROSION OR RILLS DEEPER THAN 4".
7. BACKFILL IN ACCORDANCE WITH THE HARRIS COUNTY FLOOD CONTROL DISTRICT STANDARD SPECIFICATION, SECTION 02315 - EXCAVATING AND BACKFILLING, OR EQUIVALENT.
8. EXCAVATE CHANNEL FLOWLINE TO DESIGN ELEVATION AS SHOWN ON PLANS AND DOWNSTREAM, AS NECESSARY, TO ENSURE NO WATER REMAINS IN THE FACILITY (STORM SEWER, LATERAL CHANNEL, OR DRY BOTTOM DETENTION BASIN) DURING NORMAL WATER SURFACE CONDITIONS IN THE CHANNEL, SO THE FACILITY WILL FUNCTION AS INTENDED. FOR WET BOTTOM DETENTION BASINS, ENSURE NO WATER IS ABOVE THE DESIGN LEVEL IN THE WET BOTTOM DURING NORMAL WATER SURFACE CONDITIONS IN THE CHANNEL.
9. MAINTAIN FLOW IN CHANNEL DURING CONSTRUCTION AND RESTORE CHANNEL TO ORIGINAL CONDITION.
10. REMOVE ALL EXCAVATED MATERIAL FROM THE HARRIS COUNTY FLOOD CONTROL DISTRICT OR DRAINAGE RIGHT-OF-WAY. NO FILL IS TO BE PLACED WITHIN A DESIGNATED FLOOD PLAIN AREA WITHOUT FIRST OBTAINING A FILL PERMIT FROM THE APPROPRIATE JURISDICTIONAL AUTHORITY.

GENERAL NOTES:

1. THE APPROXIMATE LOCATION OF EXISTING UTILITIES ARE GIVEN FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF ALL UTILITIES IN THE CONSTRUCTION AREA, CONFLICTS WHICH RESULT DUE TO NEGLIGENCE BY CONTRACTOR TO LOCATE HORIZONTALLY AND VERTICALLY EXISTING UTILITIES WHICH ARE SHOWN ON THE CONSTRUCTION DRAWINGS OR WHICH THE CONTRACTOR HAS BEEN GIVEN NOTICE OR HAS KNOWLEDGE OF, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE EXISTING PUBLIC OR PRIVATE UTILITIES, PAVING AND APPURTENANCES; INCLUDING BUT NOT LIMITED TO WATER, SANITARY, DRAINAGE, AND TRAFFIC CONTROL SYSTEMS. ALL DAMAGE SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARDS AT NO COST TO THE PUBLIC.
3. THE COST OF REMEDIAL WORK, REMOVAL OF PORTIONS OF THE WORK TO EXTENSIVE DESIGN CHANGES OCCASIONED BY THE FAILURE OF THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES AS DESCRIBED ABOVE SHALL BE BORNE BY THE CONTRACTOR.
4. CONTRACTOR SHALL CONTACT THE LONESTAR COORDINATING COMMITTEE FOR LOCATION OF EXISTING FACILITIES THAT MAY NOT BE SHOWN ON THE DRAWINGS 48 HOURS PRIOR TO BEGINNING CONSTRUCTION (811) OR (1-800-545-6005).

VEGETATION PROTECTION AND REMOVAL NOTES

1. CONTRACTOR SHALL PROTECT ALL TREES ALONG THE RIGHT-OF-WAY LINE AND THE ADJACENT 5 FEET THE RIGHT-OF-WAY (NO SEPARATE PAY).
2. SEE SPECIFICATION SECTION 01562 FOR PROTECTION AND MAINTENANCE OF TREES AND PLANTS.
3. CONTRACTOR SHALL RETURN THE CONSTRUCTION SITE TO THE ORIGINAL OR BETTER CONDITION (NO SEPARATE PAY).

TCP GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN A ROADWAY OBSTRUCTION AND SIDEWALK IMPAIRMENT PERMIT PRIOR TO CLOSING ANY LANES, THE REQUEST FOR PERMITS MUST BE AT LEAST TEN BUSINESS DAYS IN ADVANCE. CALL (832-394-9000) FOR APPLICATION.

GENERAL NOTES - METRO:

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

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

1. THIS PROJECT IS SUBJECT TO ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTION DISCHARGE REGULATIONS AND REQUIREMENTS. THE CONTRACTOR WILL BE REQUIRED TO EXECUTE A NOTICE OF INTENT AND IMPLEMENT THE POLLUTION PREVENTION PLANS INCLUDED IN THE CONTRACT DOCUMENTS AND COMPLY WITH ALL REPORTING AND INSPECTION REQUIREMENTS SET FORTH IN THE NPDES REGULATIONS.
2. ALL SILT FENCE AND INLET PROTECTION PROVIDED DURING CONSTRUCTION OF THIS PROJECT, SHALL BE REMOVED AS APPROPRIATE UPON CONSTRUCTION COMPLETION (SEE SPECS AND DETAILS).
3. 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 SWEEP BACK INTO THE EXCAVATED AREA.
4. PRIOR TO REMOVAL OR EROSION CONTROL DEVICES, ALL DISTURBED AREAS ARE TO BE PROPERLY STABILIZED USING HYDRO-MULCH SED, OR SOLID SOD AS APPLICABLE.
5. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATION SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM.
6. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNBLOCKED DRAINAGE AT ALL TIMES, WHERE SODDING IS DISTURBED BY EXCAVATION ON BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING AND SODDING 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SODDING.
7. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FROM THE EXCAVATED AREA.
8. CONTRACTORS SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
9. 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.
10. 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.
11. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FROM THE EXCAVATED AREA.
12. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
13. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNBLOCKED 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.
14. 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.

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE 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 be used for conflict verification.

Signature valid for six months.

Date

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification)

Signature valid for six months.

Date

Approved for AT&T underground conduit facilities only.

Signature valid for one year.

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TANITA GILBERT ALEXANDER LICENSE NO. 88719

DATED 1/12/2026, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B**GENERAL NOTES (SHEET 1 OF 2)**

WBS NUMBER

FOR CITY OF HOUSTON USE ONLY

S-09090-0305-4

DRAWING SCALE

AS NOTED

CITY OF HOUSTON PM

ANH BOYD

SHEET NO. 7 OF 37

GRADING NOTES (CONT.)

9. 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.
10. 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.
11. 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.
12. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
13. CONTRACTOR SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
14. 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.

WATER CONSTRUCTION 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 WATERLINES 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" FITTINGS 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 4' 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.
13. CONTRACTOR SHALL NOTIFY THE CHCRWA ENGINEER AND OPERATOR PRIOR TO MAKING ANY CONNECTIONS TO AUTHORITY LINES

ENGINEER - MARCEL KHOUW
PHONE: 832-590-7293
EMAIL: MKHOUW@IDSEQ.COM

OPERATOR - JARED MARTIN
PHONE: 281-367-5511
EMAIL: JMARTIN@MUNICIPALOPS.COM

TRAFFIC NOTES:

CONTRACTOR OR OWNER SHALL SUBMIT TRAFFIC CONTROL PLANS WITH THE MOBILITY PERMIT APPLICATION. THE PLANS SHALL BE DRAWN TO SCALE AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.

THE GENERAL NOTES THAT SHALL BE INCLUDED ON THE TRAFFIC CONTROL PLAN CAN BE FOUND IN CHAPTER 15 (15.12 TRAFFIC CONTROL PLAN) OF THE CITY OF HOUSTON'S (CITY) INFRASTRUCTURE DESIGN MANUAL (IDM). BELOW ARE SEVERAL KEY NOTES FROM THE IDM TO BE AWARE OF:

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 7:00PM TO 7:00AM.
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 FEASIBLE.
5. CONTRACTOR SHALL SECURE LANE/SIDEWALK/BICYCLE FACILITY CLOSURE PERMITS FROM TRANSPORTATION & DRAINAGE OPERATIONS (MOBILITY PERMIT SECTION AT WWW.GIMS.HOUSTONTX.GOV) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN BUSINESS 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.
6. CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JOB 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.

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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 be used for conflict verification.

Signature valid for six months.

Date

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification)

Signature valid for six months.

Date

Approved for AT&T underground conduit facilities only.

Signature valid for one year.

EJES
INCORPORATED
6161 SAVOY DRIVE,
SUITE 830
HOUSTON, TEXAS 77036
(P) 281-272-1612
(F) 281-272-1619
FIRM REG. F-2488

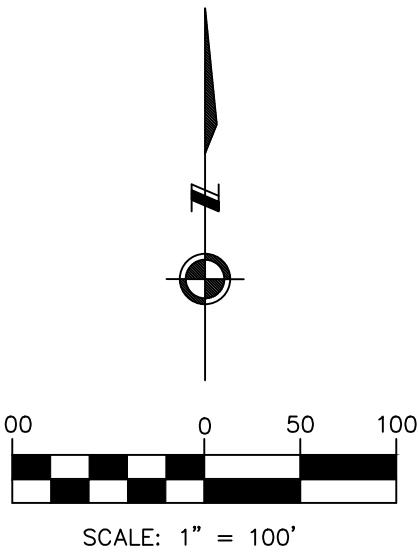
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**COH GRP CONVERSION WL
NE AREA GROUP B**

**GENERAL NOTES
(SHEET 2 OF 2)**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 8 OF 37	



SCALE: 1" = 100'

BENCHMARK:

CITY OF HOUSTON MONUMENT 5164-8115 (ALSO HCFCD RM 150750), AN ALUMINUM ROD, LOCATED AT SOUTHWEST CORNER OF A CULVERT ON VETERANS MEMORIAL DRIVE APPROXIMATELY 0.1 MILE SOUTHEAST FROM THE INTERSECTION OF BELTWAY 8.

ELV. 98.87 FEET NAVD 1988 (GEOID '18)*
* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED MAY 3, 2025.

VERTICAL DATUM ADJUSTMENT:

THE ELEVATION DIFFERENCE BETWEEN THE FLOODPLAIN REFERENCE MARKS (RM 150750) PUBLISHED DATUM NAVD 1988, 2001 ADJUSTMENT AND DATUM NAVD 1988, (GEOID '18) IS 0.66'.

NAVD 1988, 2001 ADJ. ELEVATION
= NAVD 1988 (GEOID '18) ELEVATION + 0.66 FT

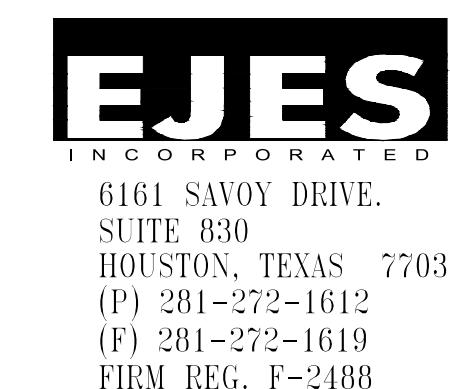
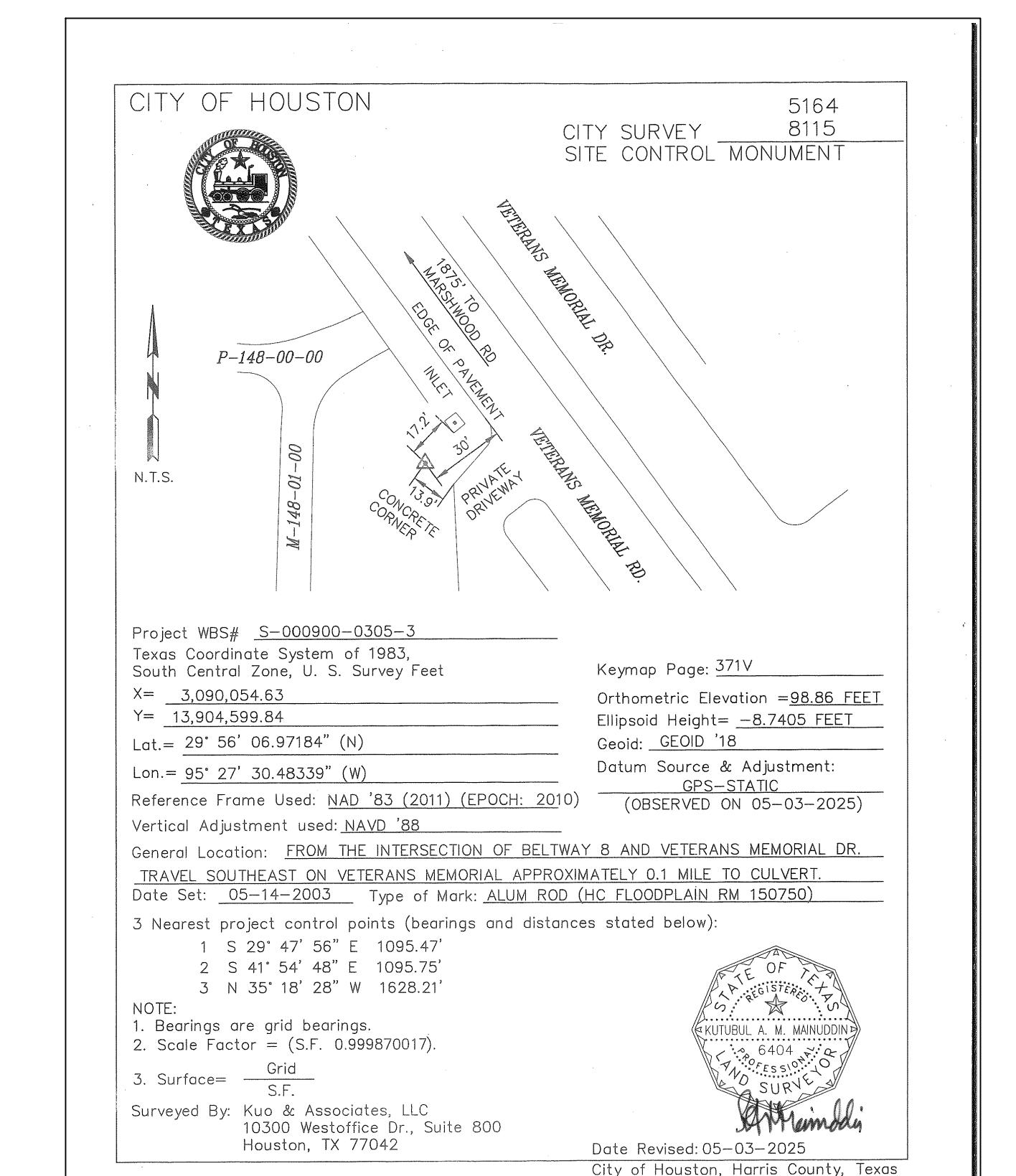
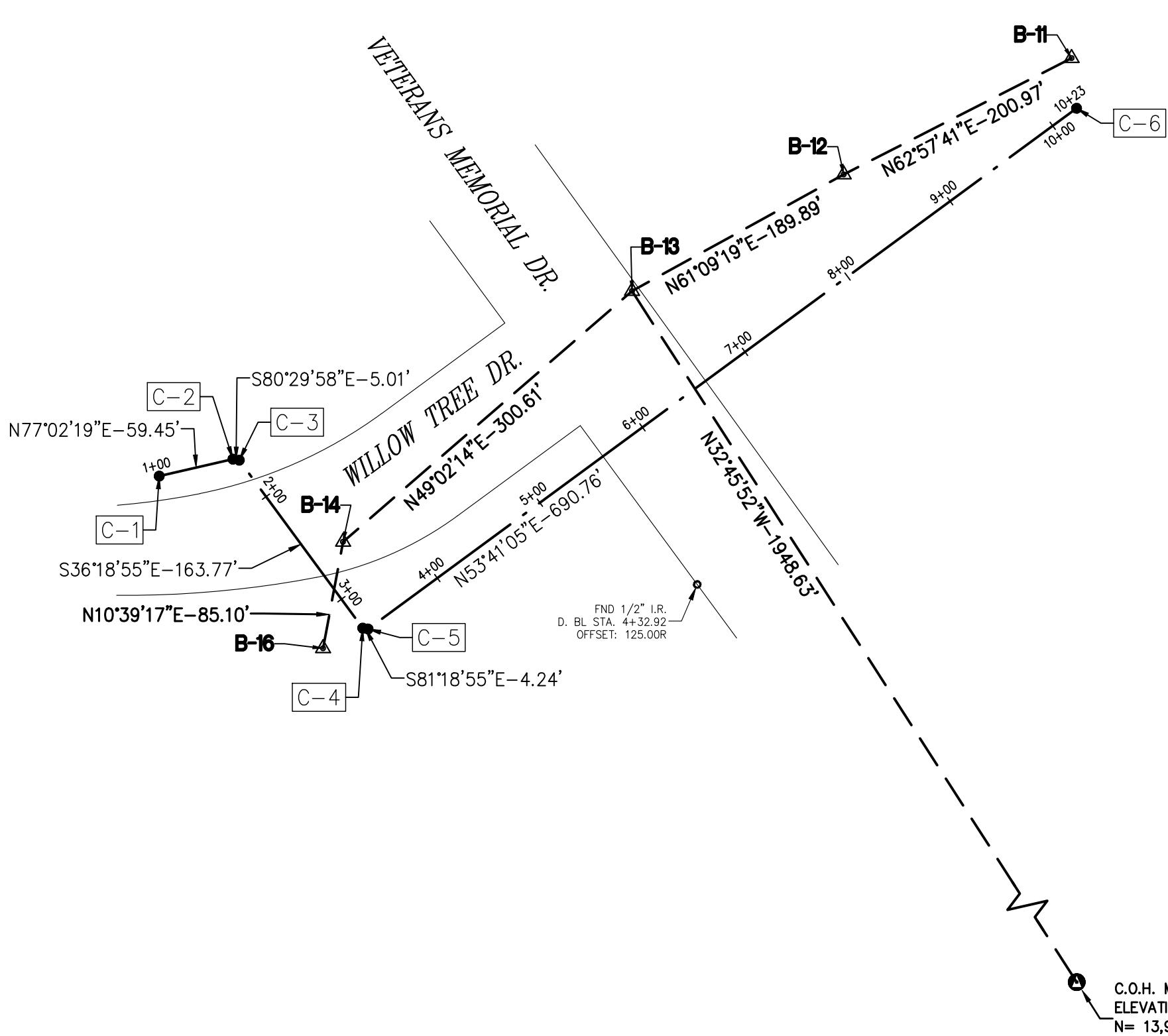
NOTE:

ALL BEARINGS AND DISTANCES ARE BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, NAD83. ALL DISTANCES ARE IN SURFACE.

THE COORDINATES SHOWN HEREON ARE TEXAS SOUTH CENTRAL ZONE NO. 4204 STATE PLANE GRID COORDINATES (NAD83) AND MAY BE BROUGHT TO SURFACE BY DIVIDING BY THE COMBINED SCALE FACTOR 0.999870017.

LEGEND:

- B-X** SURVEY CONTROL POINT NUMBER
- C-X** DESIGN BASELINE POINT NUMBER
- △** SURVEY CONTROL POINT
- DESIGN BASELINE POINT
- ▲** CITY OF HOUSTON MONUMENT
- D. BL:** DESIGN BASELINE — — —
- S. BL:** SURVEY BASELINE — — —

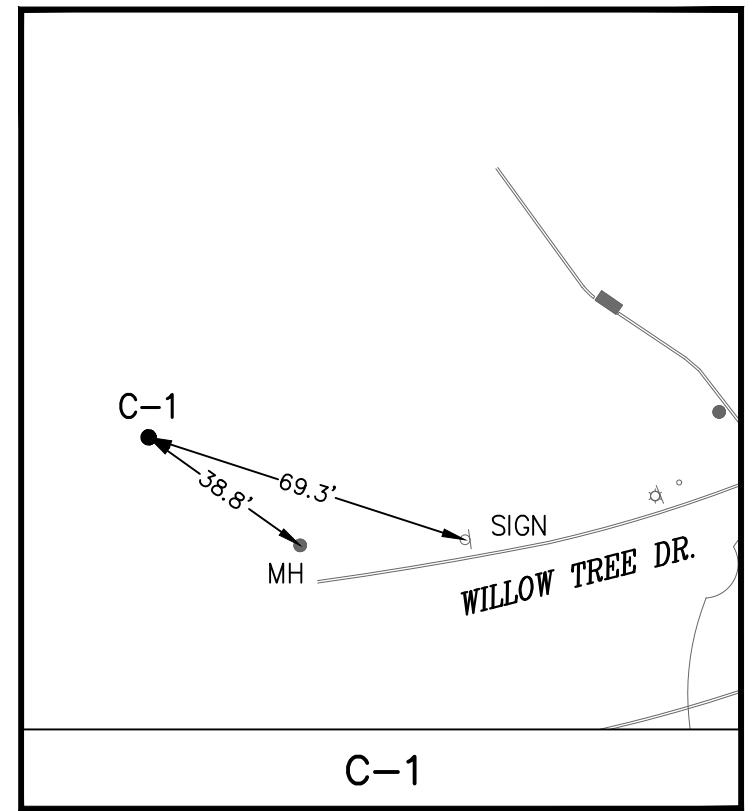


KUO & ASSOCIATES
ENGINEERING & SURVEYING
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Tel: 713-975-8765, Fax: 713-975-9220, www.kuoassociates.com
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TBPLS Firm Registration No. 100750
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TEXAS REG. NO. 6404
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PURPOSES

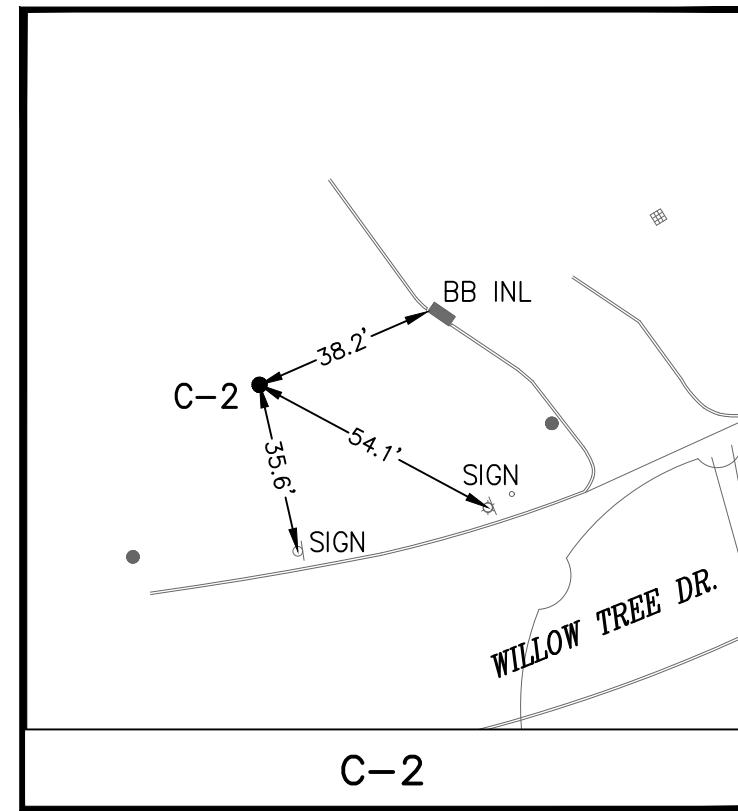
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

GROUND WATER REDUCTION PLAN
— CONVERSION WATER LINE
SITE 1
SURVEY CONTROL MAP
(SHEET 1 OF 2)

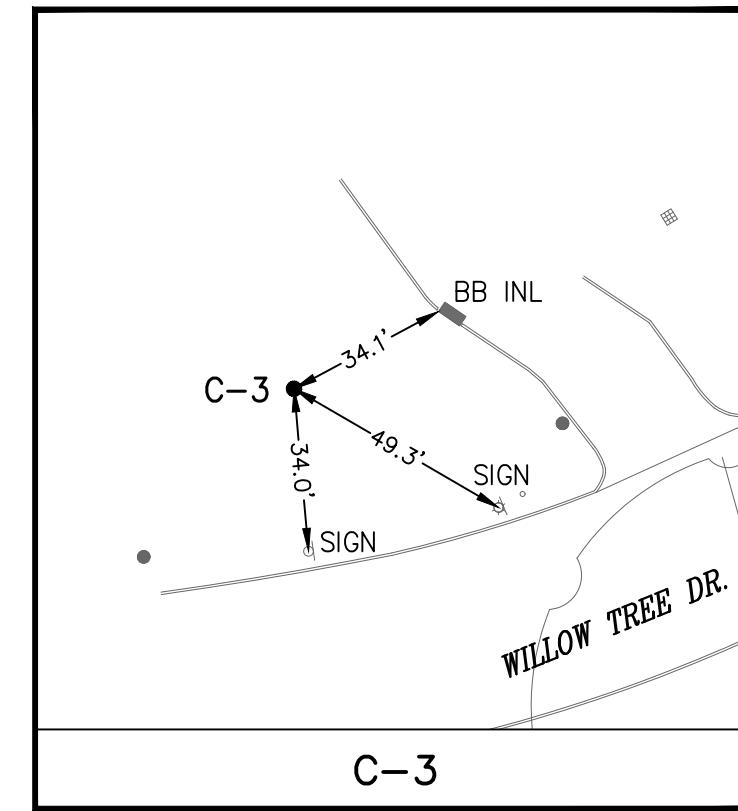
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DRAWING SCALE
AS SHOWN
CITY OF HOUSTON PM
SHEET NO. 9 OF 37
FOR CITY OF HOUSTON USE ONLY



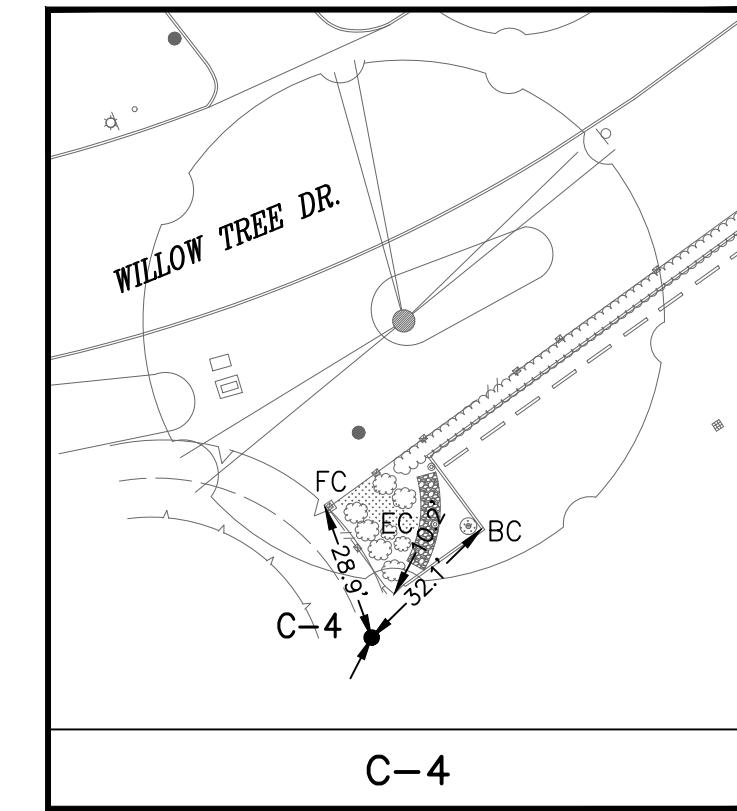
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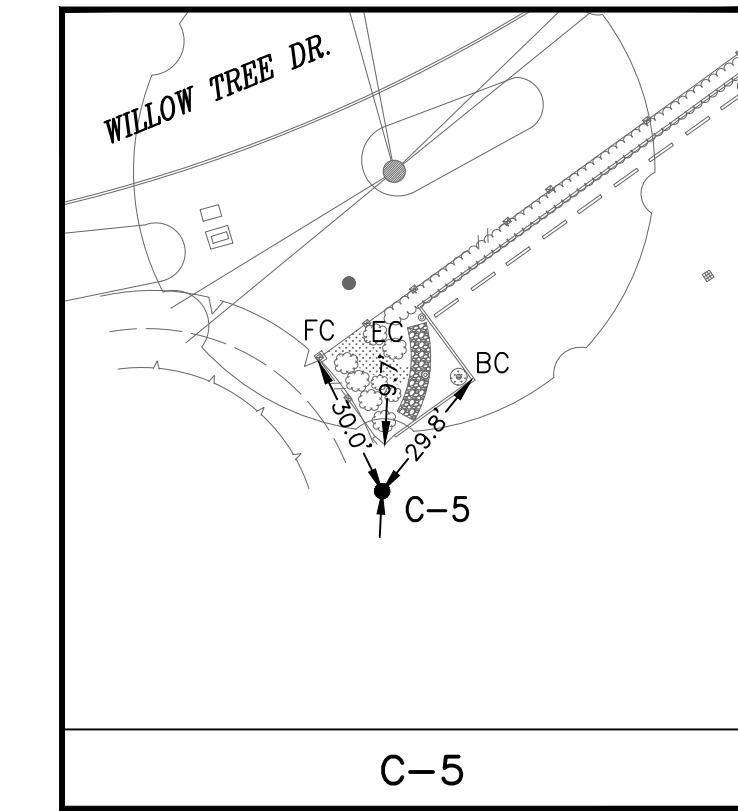
C-2



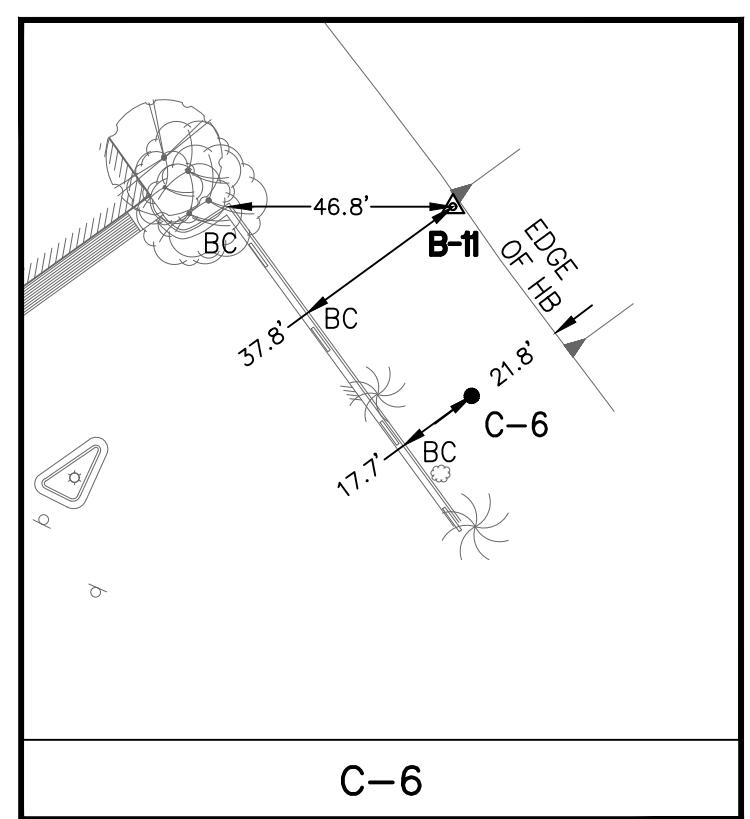
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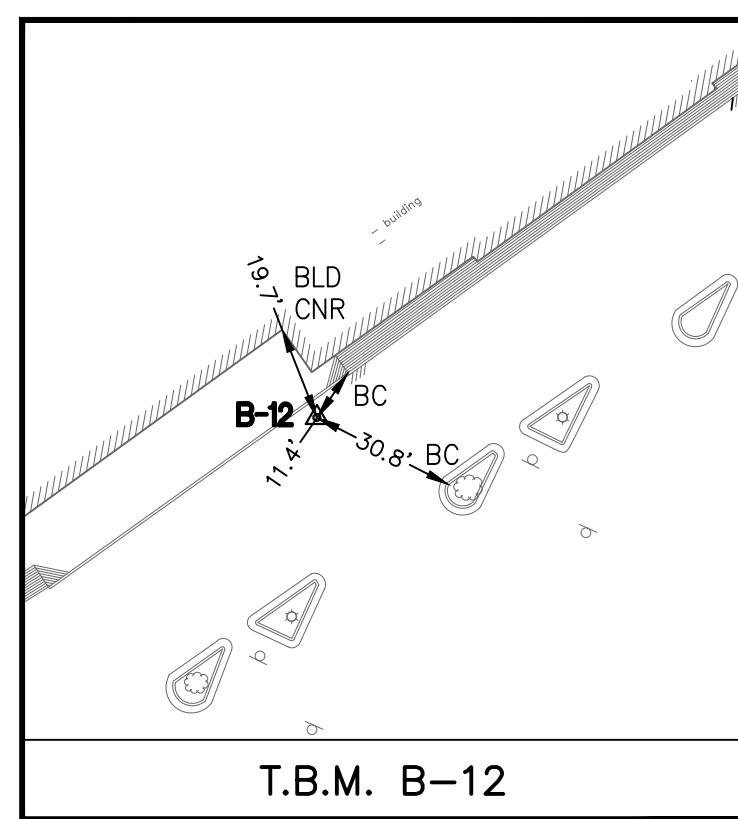
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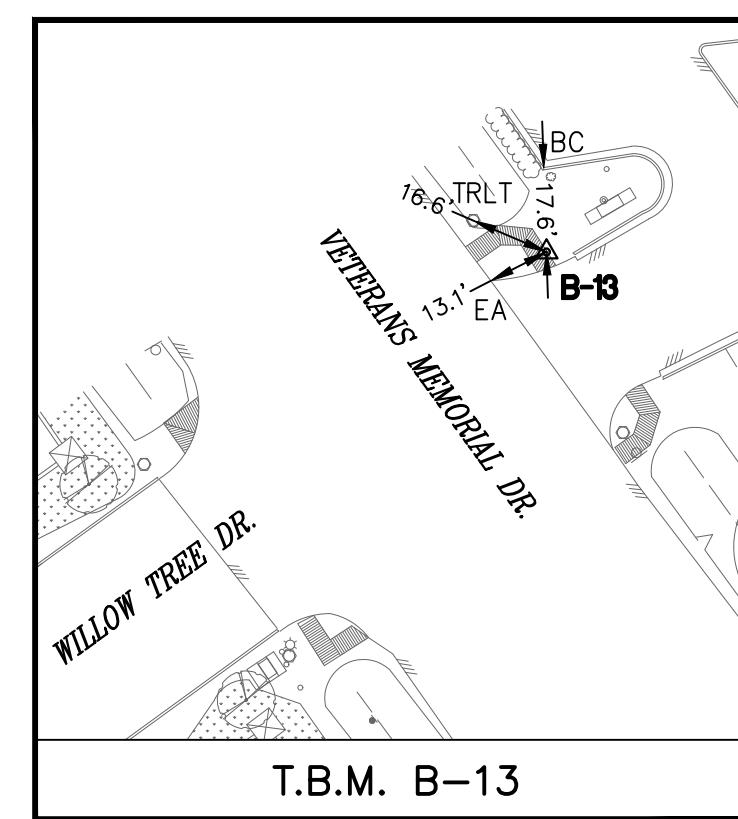
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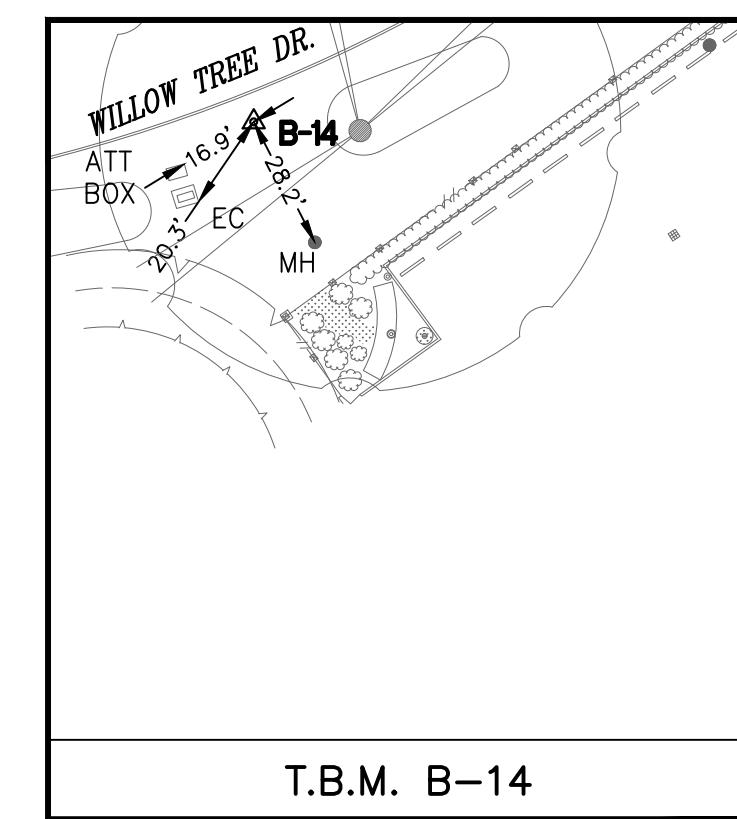
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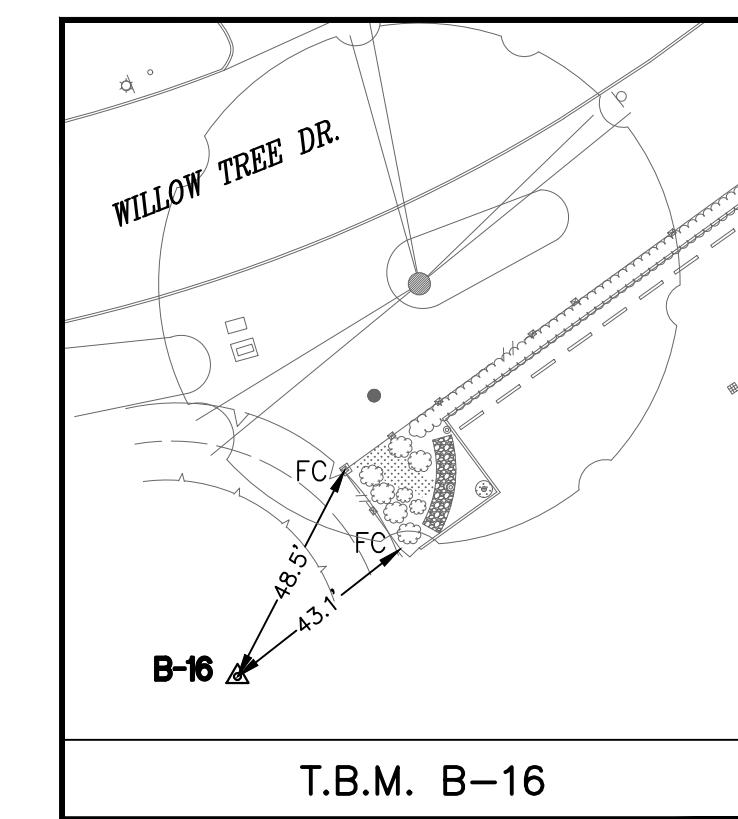
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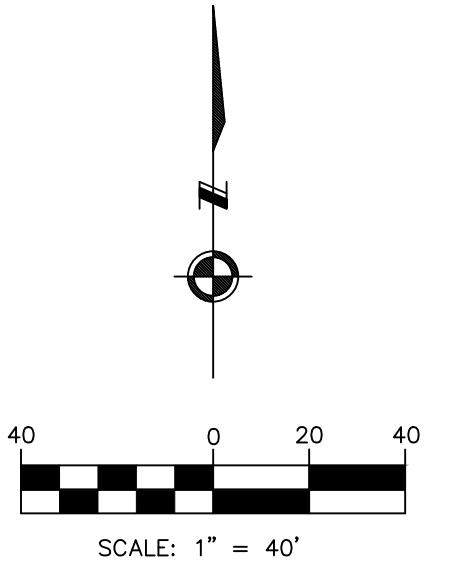
T.B.M. B-13



T.B.M. B-14



T.B.M. B-16



EXIST. TOPOGRAPHIC LEGEND

ASPHALT SYMBOL	PLANER
B OR BB INLET	POWER POLE
BUSH	POWER POLE W/LT.
C INLET	SIGN
CLEANOUT	SIGNAL POLE
brick column	SPRINKLER VALVE
DOWN GUY	SPRINKLER HEAD
E INLET	STREET LIGHT/FLOOD LIGHT
ELEC MANHOLE	TREE
FIRE HYDRANT	TREE-CREPE MYRTLE
GAS METER	TREE-STUMP
GAS VALVE	TREE-PINE
GATE	WATER METER
GRATE INLET	WATER VALVE
GRATE INLET	IRRIGATION CONTROL VALVE
MAIL BOX	
MANHOLE	
PP	
PP/LT	
POWER POLE	
POWER POLE W/LIGHT	
TRLT	
WATER METER	

ABBREVIATIONS

FH	- FIRE HYDRANT
FC	- FENCE CORNER
LT	- LIGHT POLE
MB	- MAIL BOX
MH	- MANHOLE
PP	- POWER POLE
PP/LT	- POWER POLE W/LIGHT
TRLT	- TRAFFIC LIGHT
WM	- WATER METER

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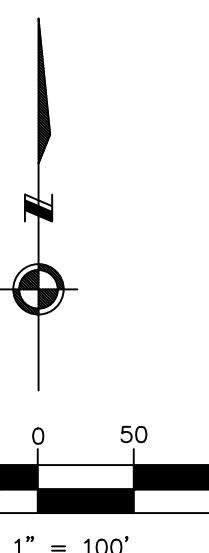
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& ASSOCIATES
ENGINEERING & SURVEYING
10300 Westfirce Dr., Suite 800, Houston, Texas 77042
Tel: 713-975-8765, Fax: 713-975-9320, www.kuosassociates.com
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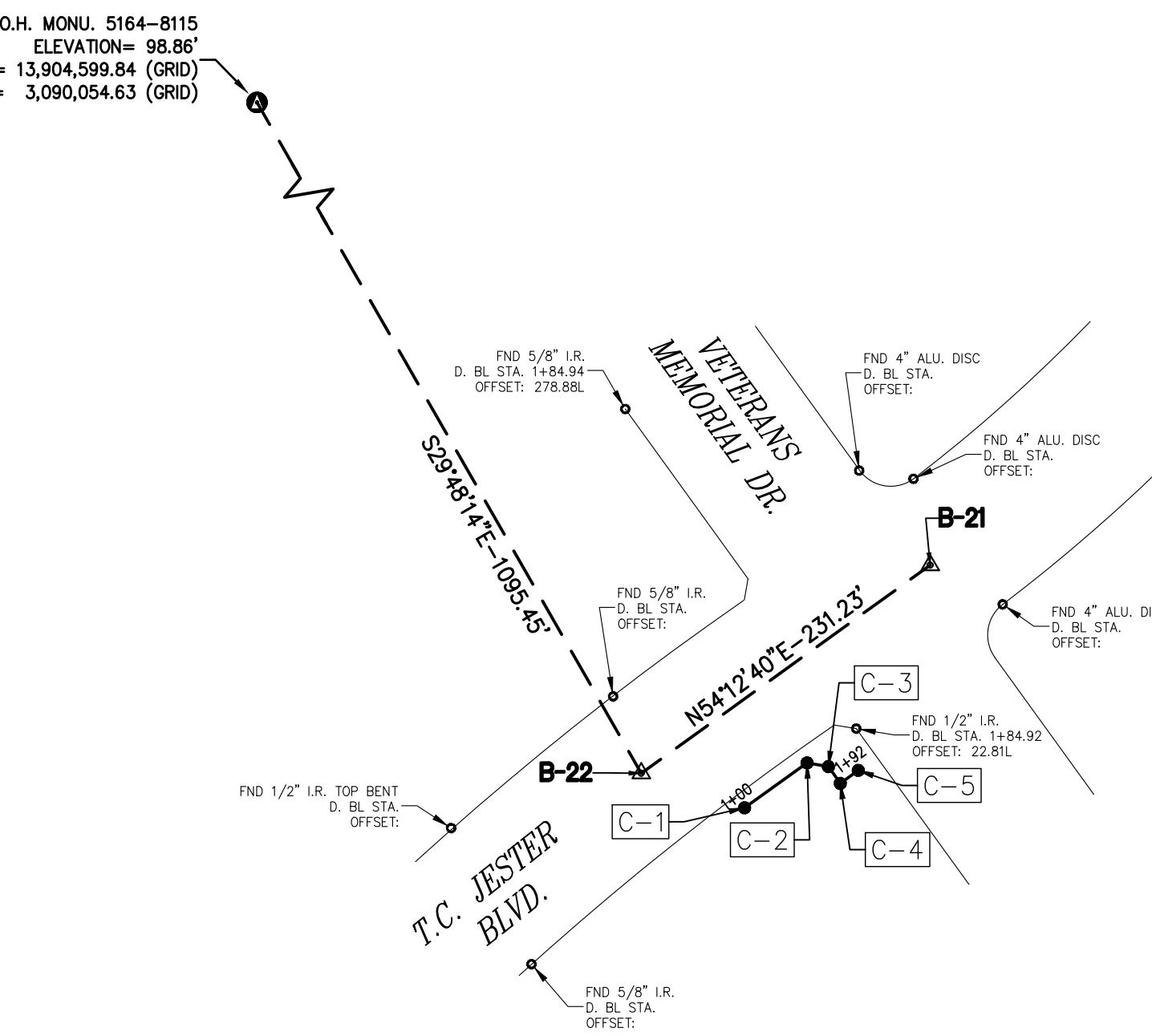
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

GROUND WATER REDUCTION PLAN
- CONVERSION WATER LINE
SITE 1
SURVEY CONTROL MAP
(SHEET 2 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00800-0305-4	
DRAWING SCALE	
1" = 40'	
CITY OF HOUSTON PM	
SHEET NO. 10 OF 37	

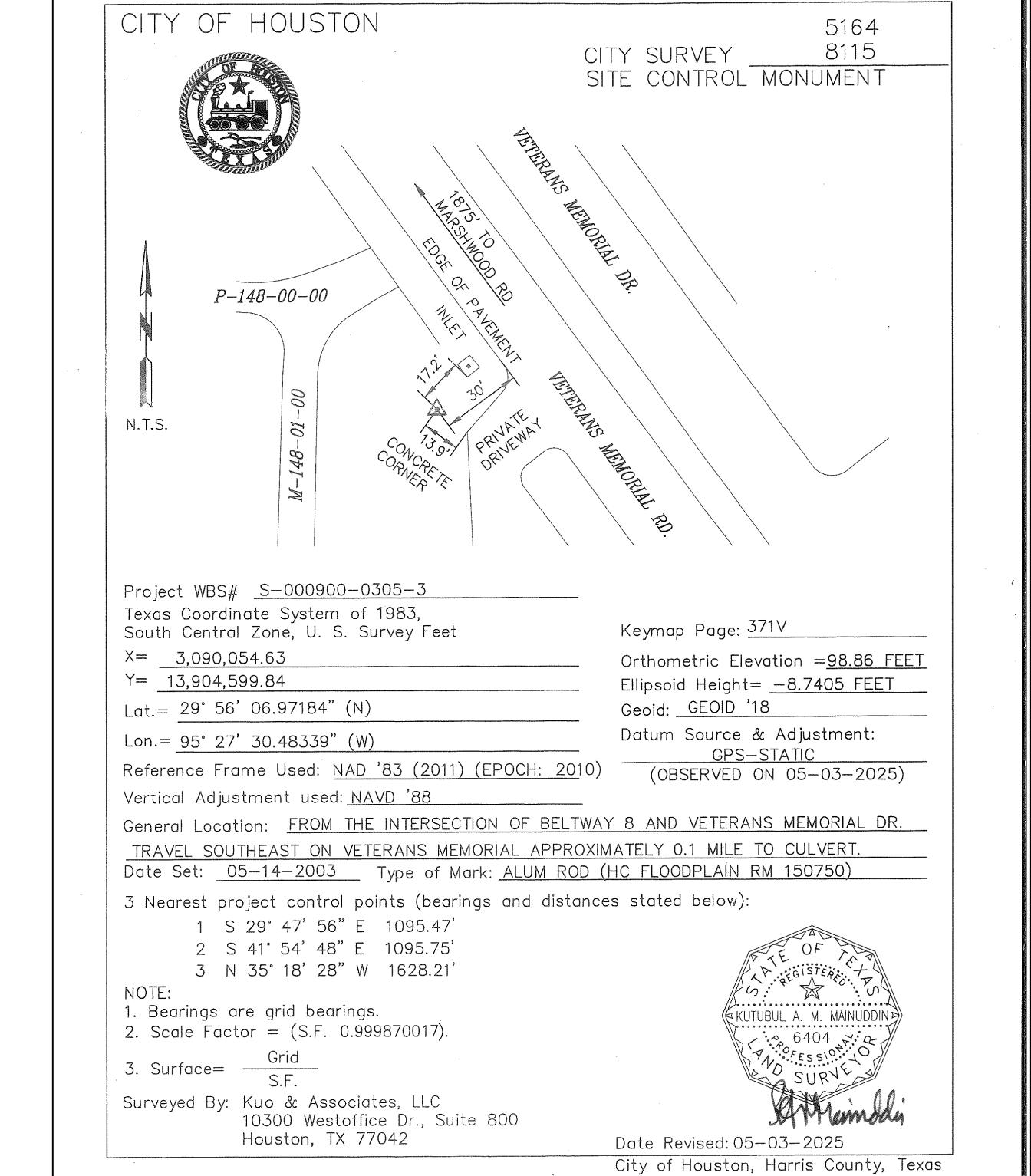


100 0 50 100
SCALE: 1" = 100'



SURVEY BASELINE POINTS DATA (TEMPORARY BENCHMARK)							
POINT No.	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	ELEVATION	D. BL STA.	OFFSET
B-21	13,905,592.10	3,091,188.37	13,903,784.61	3,090,786.57	97.06'	-	-
B-22	13,905,456.88	3,091,000.81	13,903,649.41	3,090,599.03	96.93'	-	-

DESIGN BASELINE POINTS DATA						
POINT No.	D. BL STA.	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	MATERIAL SET
C-1	1+00.00	13,905,434.45	3,091,067.86	13,903,626.98	3,090,666.07	SET 1/2" I.R.
C-2	1+50.00	13,905,463.65	3,091,108.45	13,903,656.17	3,090,706.66	SET 1/2" I.R.
C-3	1+64.05	13,905,461.22	3,091,122.29	13,903,653.74	3,090,720.50	SET 1/2" I.R.
C-4	1+77.46	13,905,450.30	3,091,129.99	13,903,642.83	3,090,728.20	SET 1/2" I.R.
C-5	1+91.87	13,905,458.78	3,091,141.71	13,903,651.3	3,090,739.92	SET 1/2" I.R.

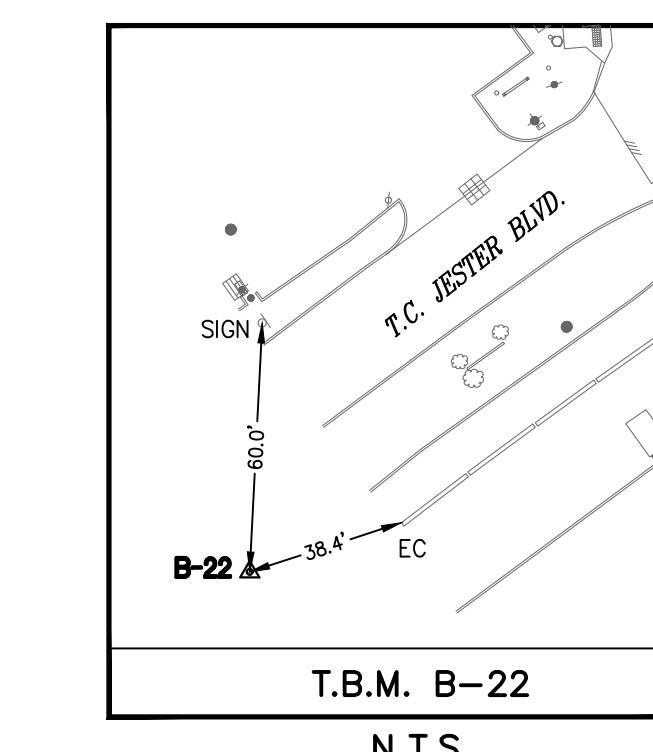
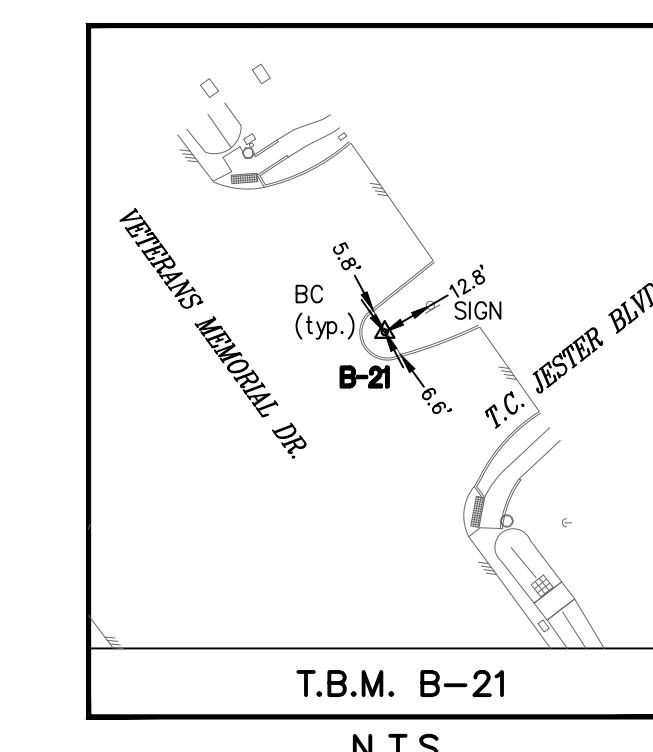
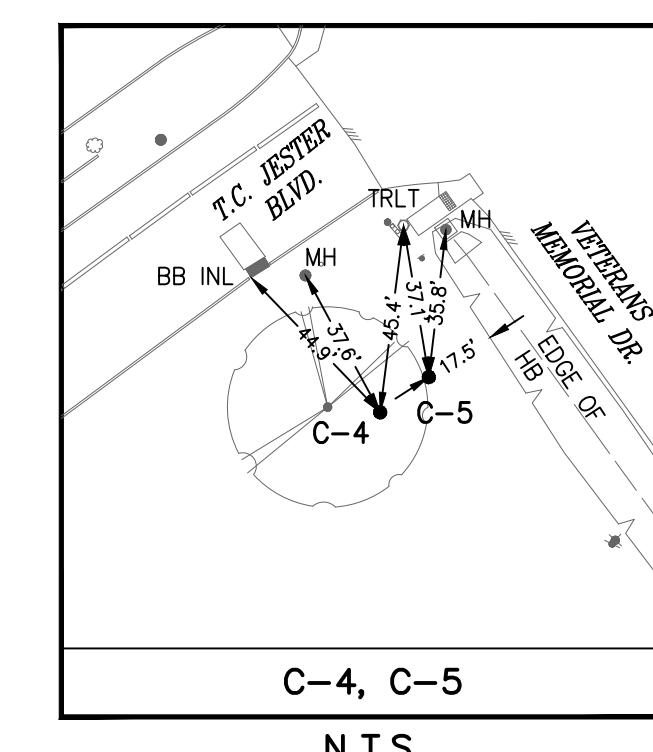
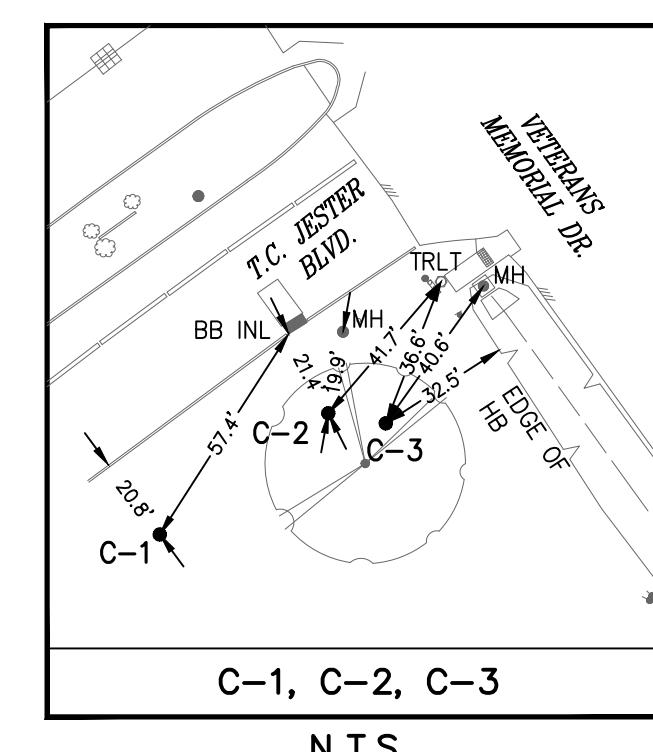


EXIST. TOPOGRAPHIC LEGEND

- ASPHALT SYMBOL
- B OR BB INLET
- BUS STOP
- C INLET
- CLEANOUT
- brick column
- DOWN GUY
- E INLET
- ELEC MANHOLE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- GATE
- GRATE INLET
- GRATE INLET
- MAIL BOX
- MANHOLE
- POWER POLE
- POWER POLE W/LIGHT
- WM - WATER METER

ABBREVIATIONS

FH - FIRE HYDRANT
FO - FENCE CORNER
LT - LIGHT POLE
MB - MAIL BOX
MH - MANHOLE
PP - POWER POLE
PP/LIGHT - POWER POLE W/LIGHT
WM - WATER METER



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KUO
& ASSOCIATES

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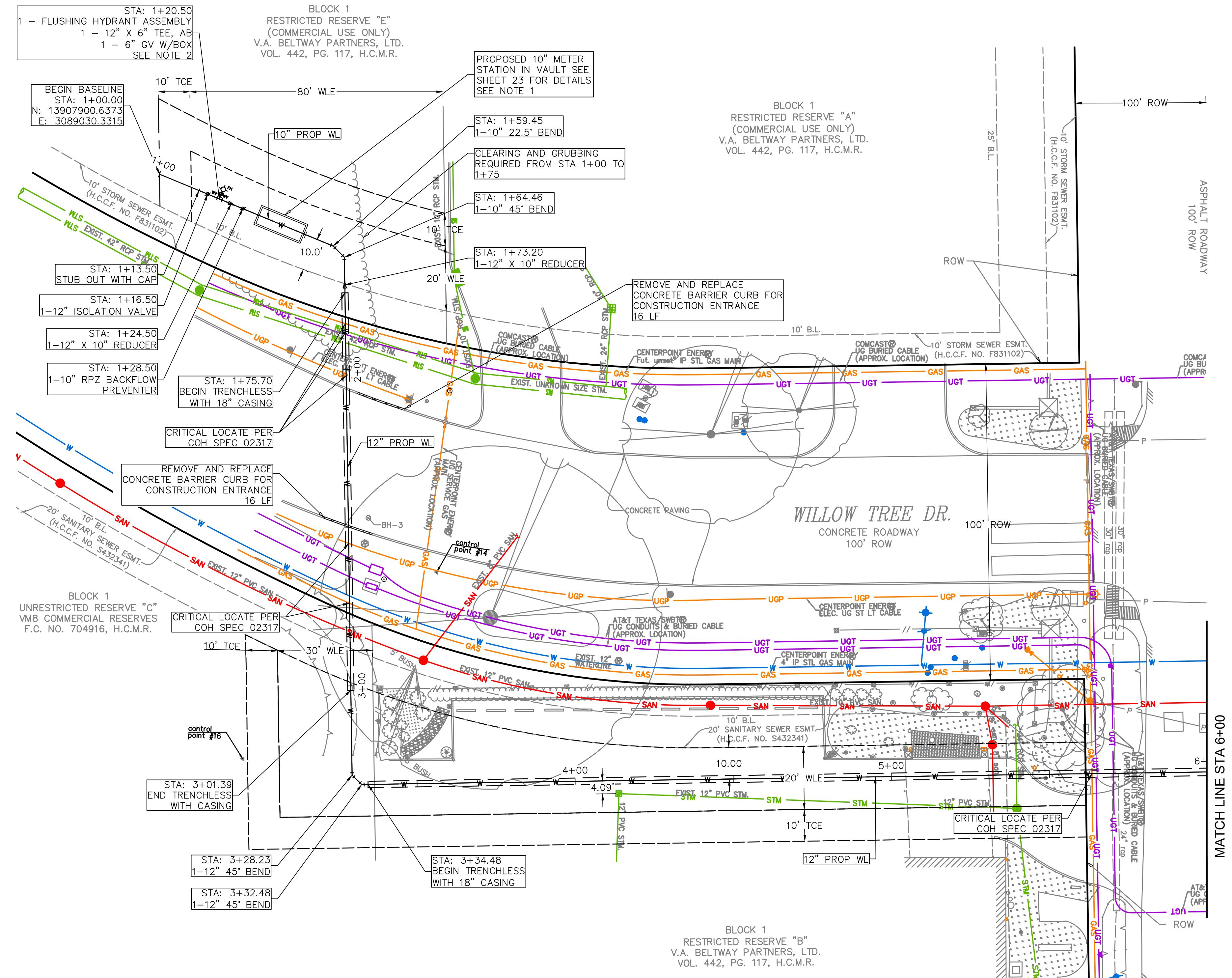
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

GROUND WATER REDUCTION PLAN
- CONVERSION WATER LINE
SITE 2
SURVEY CONTROL MAP

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000900-0305-4	
DRAWING SCALE	
AS SHOWN	
CITY OF HOUSTON PM	
SHEET NO. 11 OF 37	

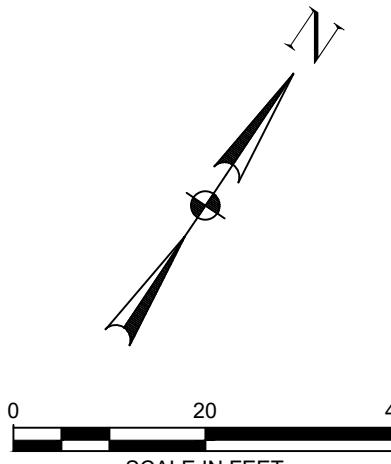
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NOTES:

PROVIDE SIEMENS SITRANS FM MAG 8000. SEE
DETAIL SHEET 23 FOR VAULT ASSEMBLY DETAILS
FLUSHING HYDRANT TO BE 6", SEE SHEET 22
FOR DETAILS



SCALE IN FEET

10 of 10

NOTICE:
YOU ARE REQUIRED BY TEXAS LAW TO CALL 811
BEFORE YOU DIG SO THAT UNDERGROUND LINES
. THIS SIGNATURE DOES NOT FULFILL YOUR
OBLIGATION TO CALL 811.

Date

Date _____

Date

EJES CORPORATE

C O R P O R A T E D
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STON, TEXAS 77036
) 281-272-1612
) 281-272-1619
P.M. 8525 2426

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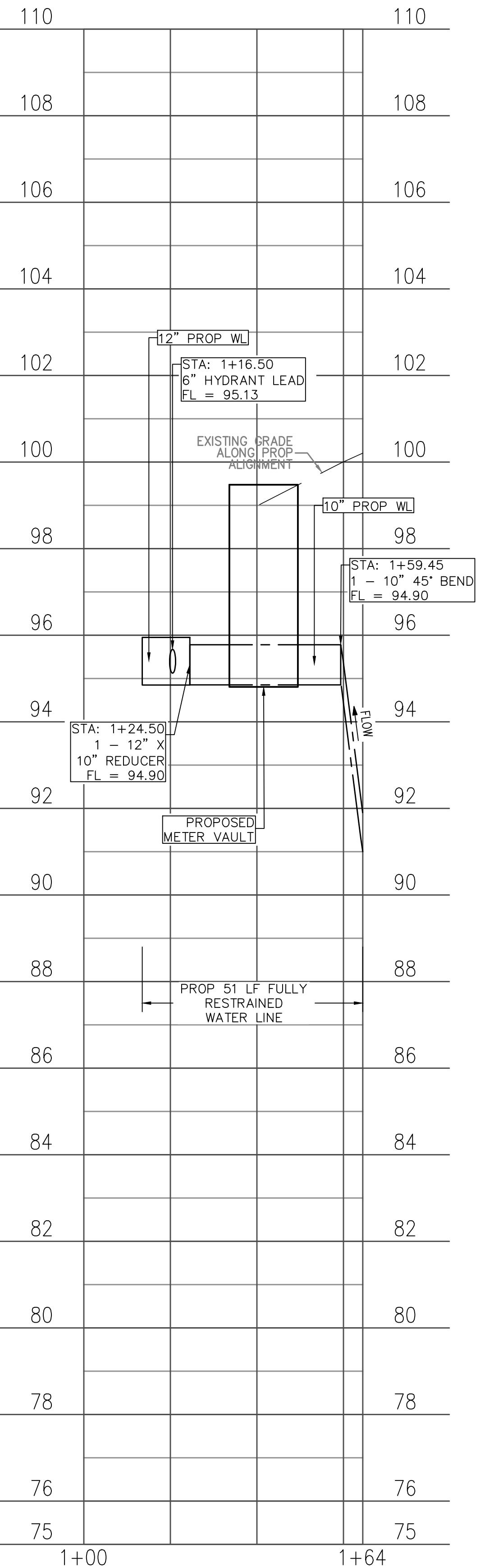
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

WILLOW TREE BASELINE
PLAN VIEW
BEGIN TO STA 6+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
HEET NO. 12 OF 37	



H: 0 20 40
V: 0 2 4
SCALE IN FEET

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 LINES CAN BE MARKED. THIS SIGNATURE 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 be used for conflict verification.

Signature valid for six months.

Date

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities – not to be used for conflict verification)

Signature valid for six months.

Date

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



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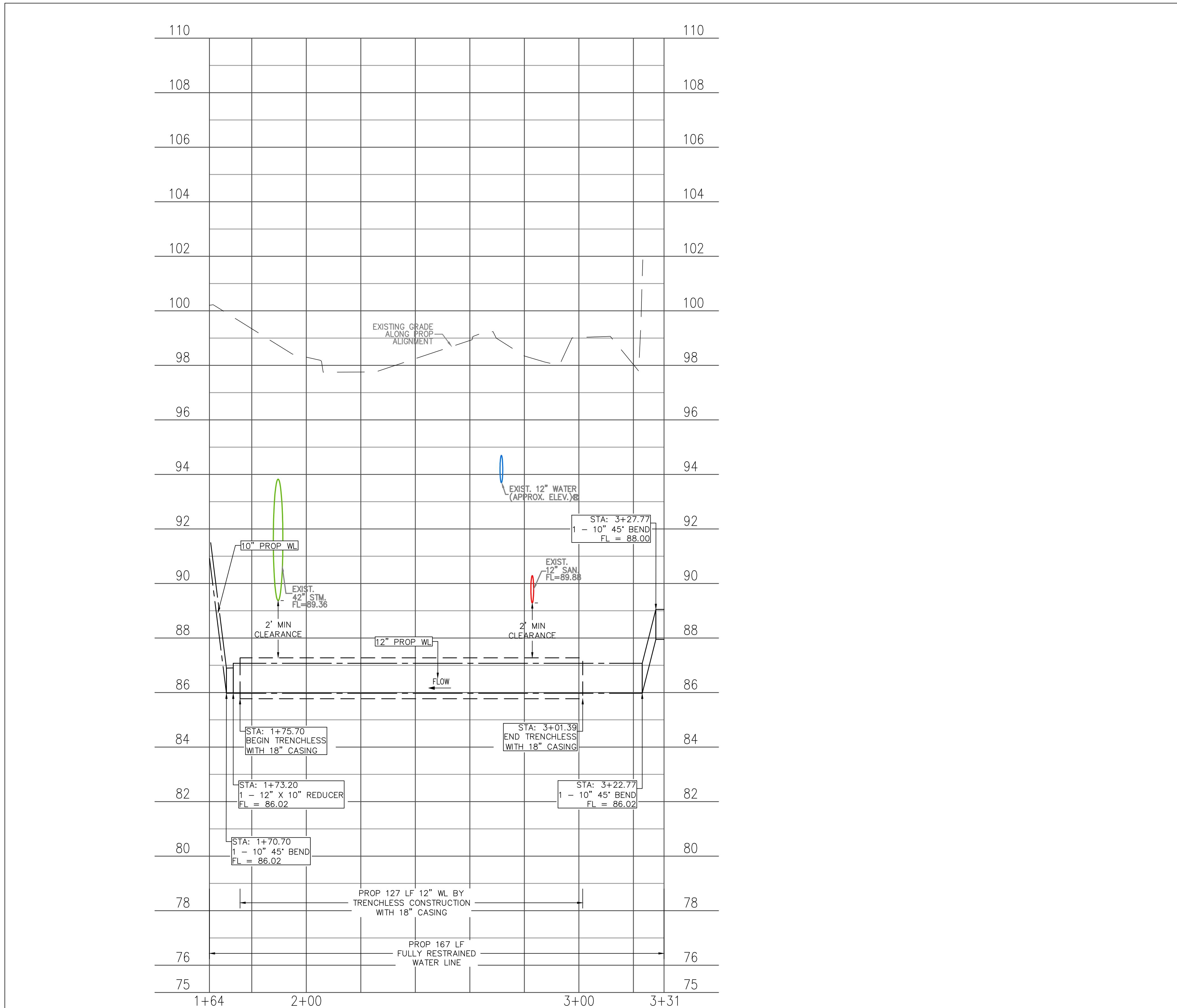
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HOUSTON PUBLIC WORKS

**COH GRP CONVERSION WL
NE AREA GROUP B**

WILLOW TREE BASELINE
PROFILE VIEW
BEGIN TO STA 1+64

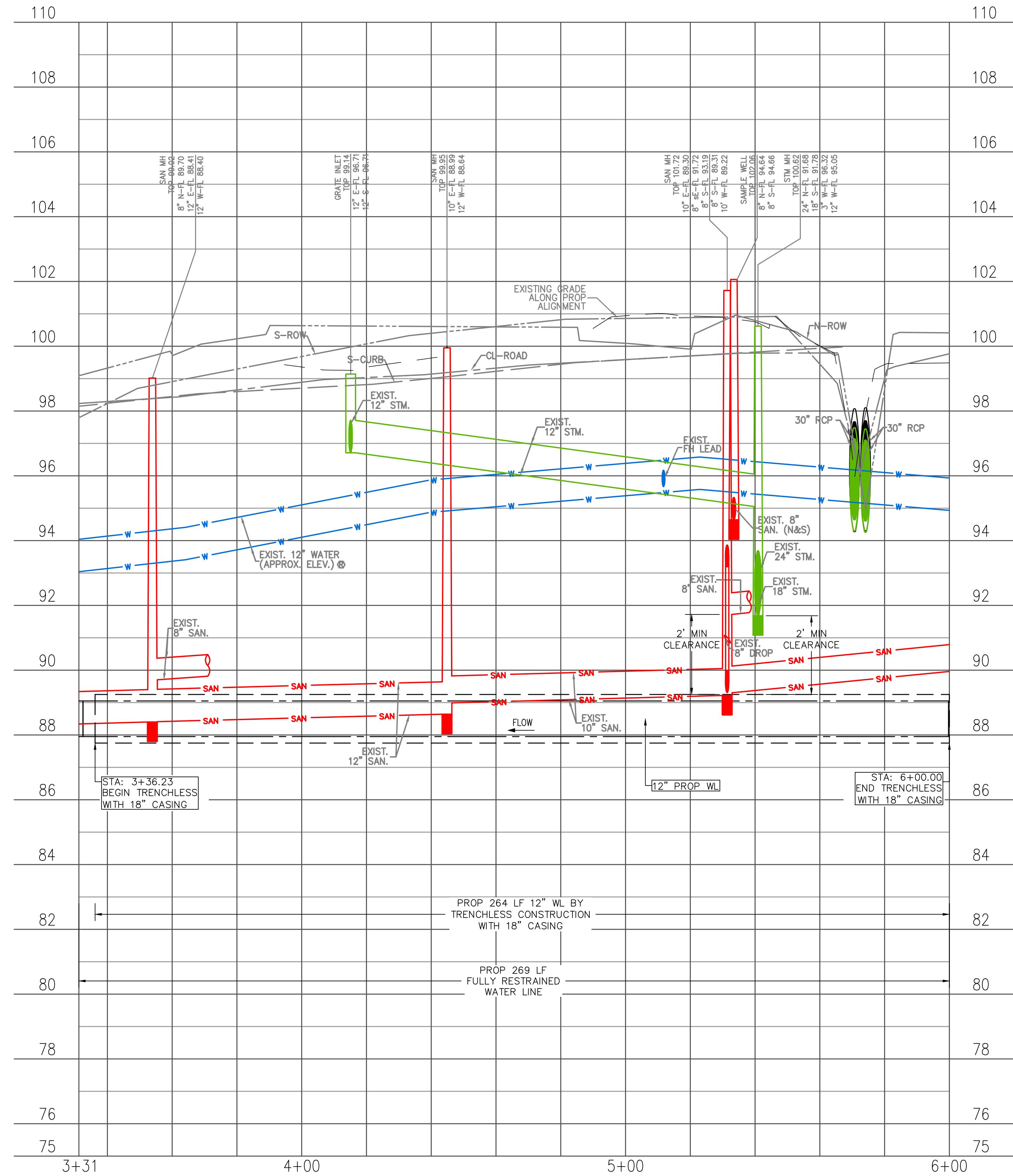
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S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 13 OF 37	



H: 0 20 40
V: 0 2 4
SCALE IN FEET

NO.	DATE	REVISION

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 14 OF 37	



H: 0 20 40
V: 0 2 4
SCALE IN FEET

NO.	DATE	REVISION	APP.

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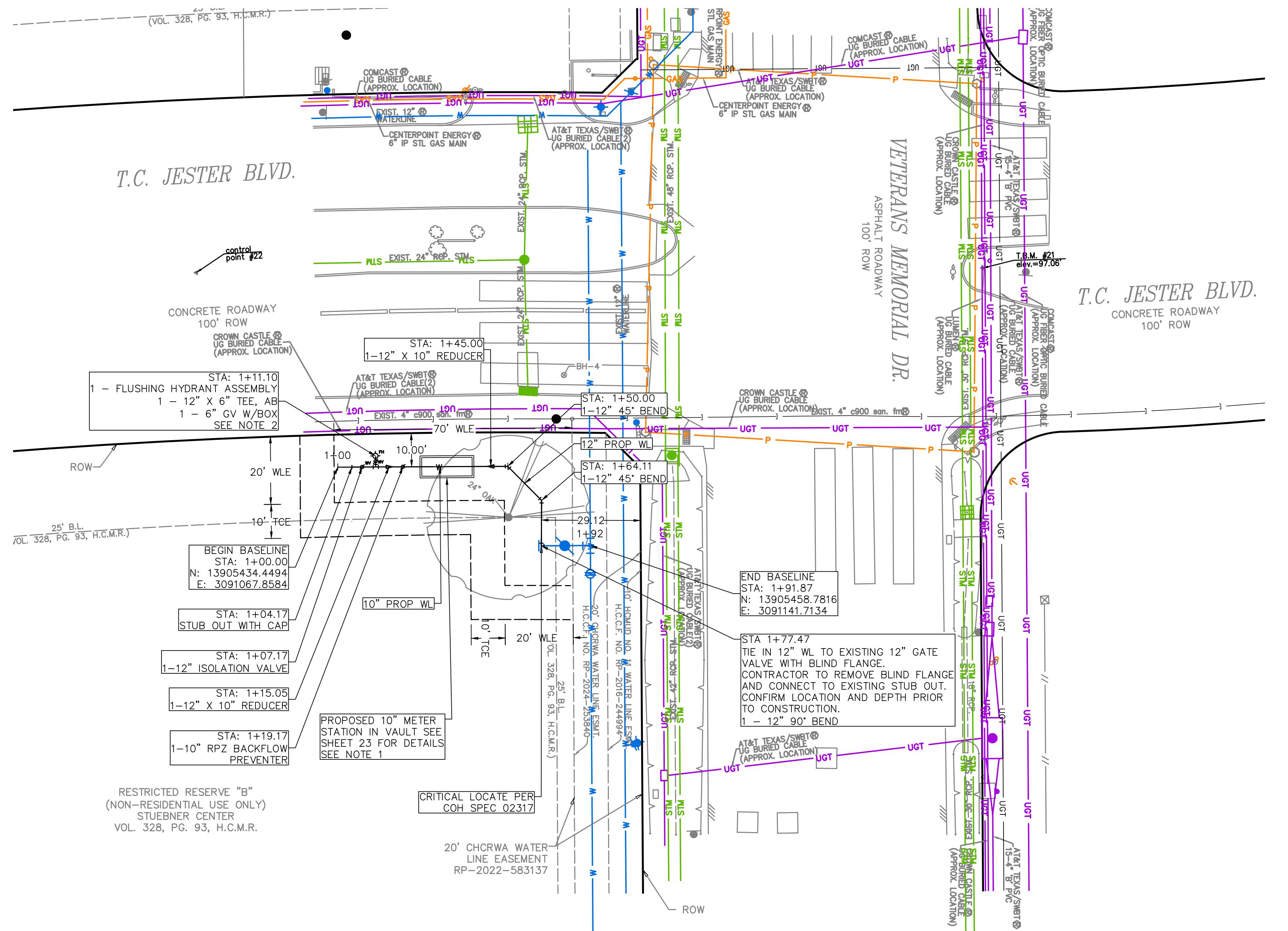
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**COH GRP CONVERSION WL
NE AREA GROUP B**

WILLOW TREE BASELINE PROFILE VIEW
STA 3+31 TO STA 6+00

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DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 15 OF 37	



NOTES:

1. PROVIDE SIEMENS SITRANS FM MAG 8000. SEE DETAIL SHEET 23 FOR VAULT ASSEMBLY DETAILS
2. FLUSHING HYDRANT TO BE 6", SEE SHEET 22 FOR DETAILS

NOTICE:

Date

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Signature valid for six months.

Date

Date

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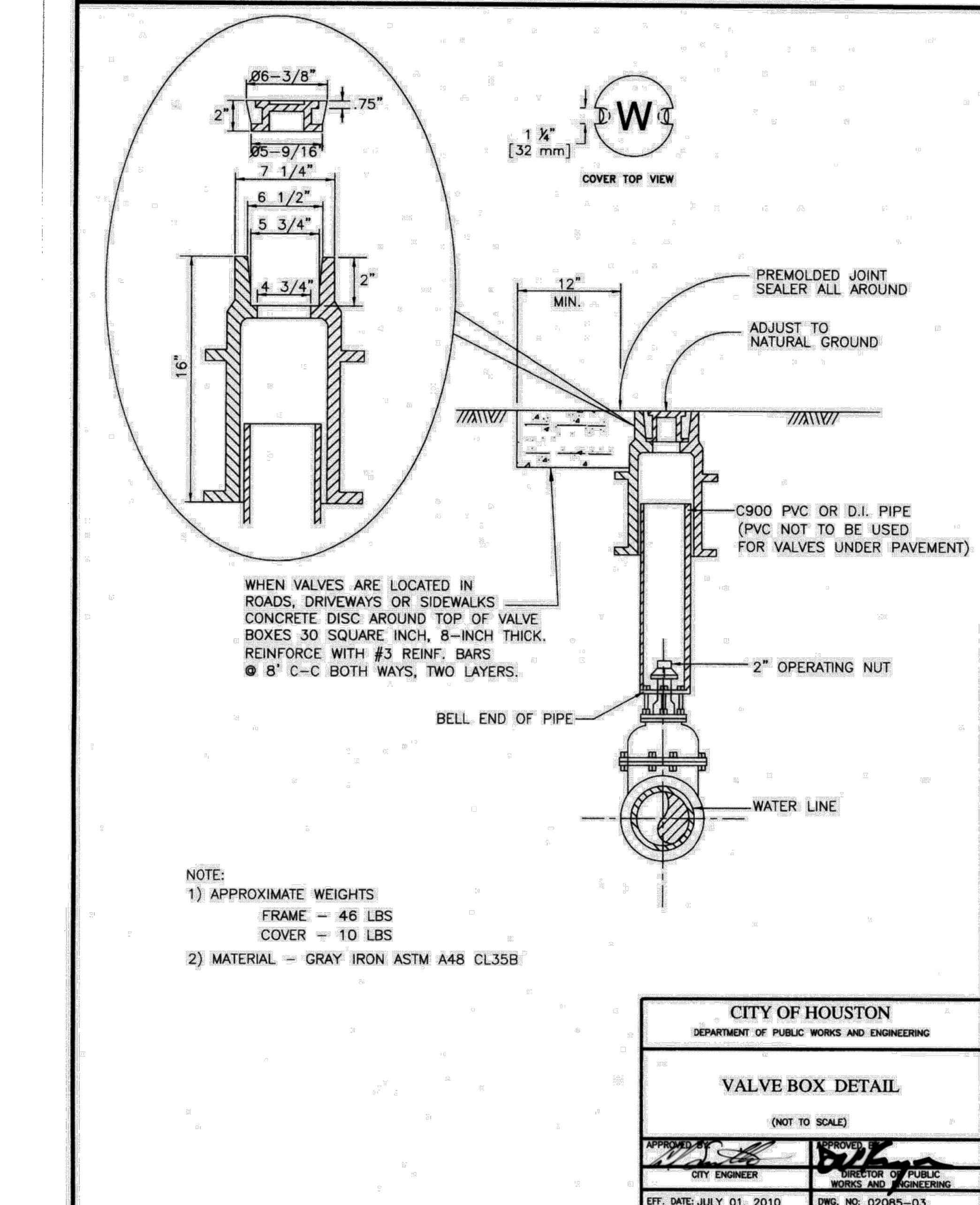
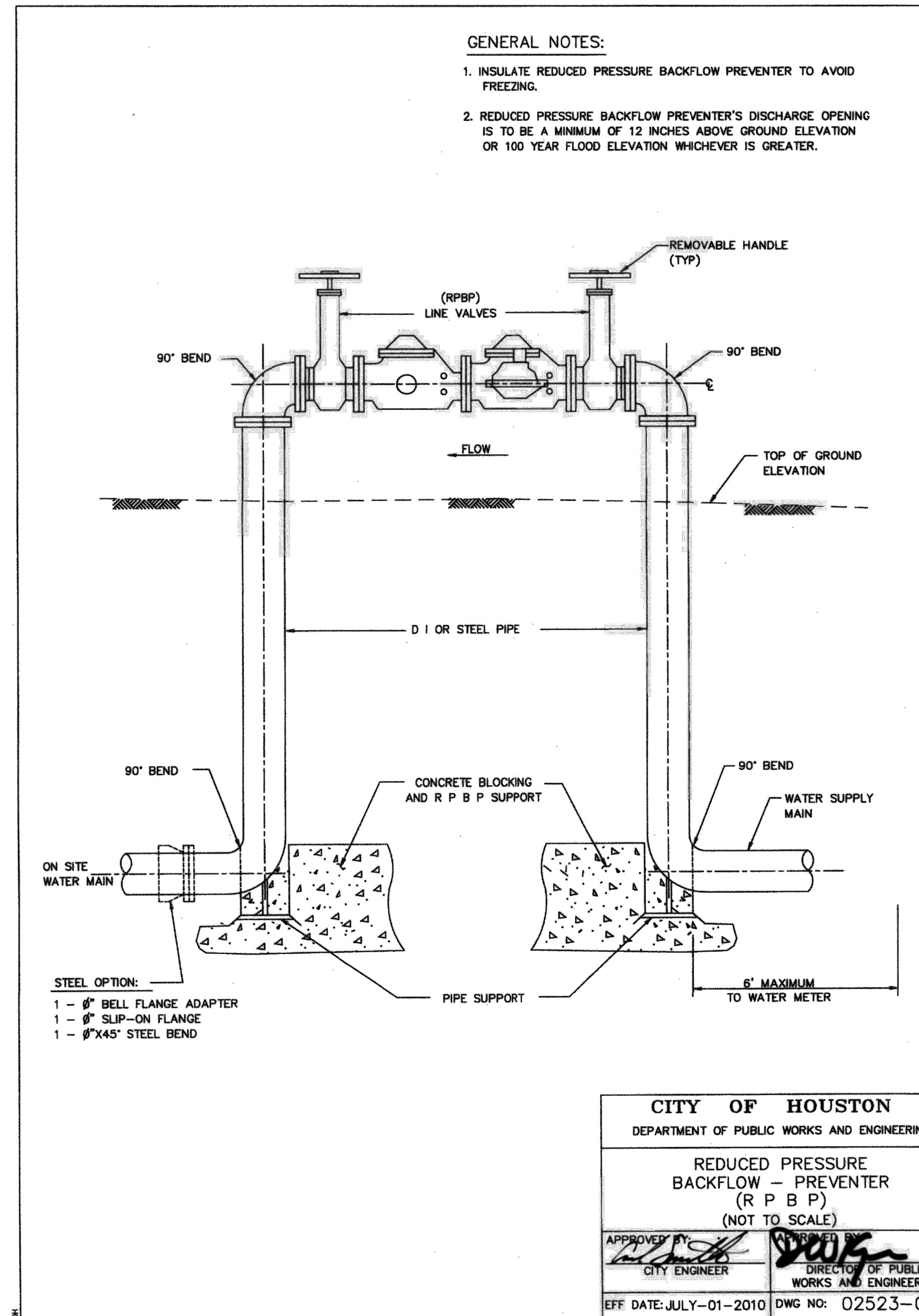
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

T.C. JESTER BASELINE
PLAN VIEW
STA BEGIN TO END

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SET NO. 18 OF 37	



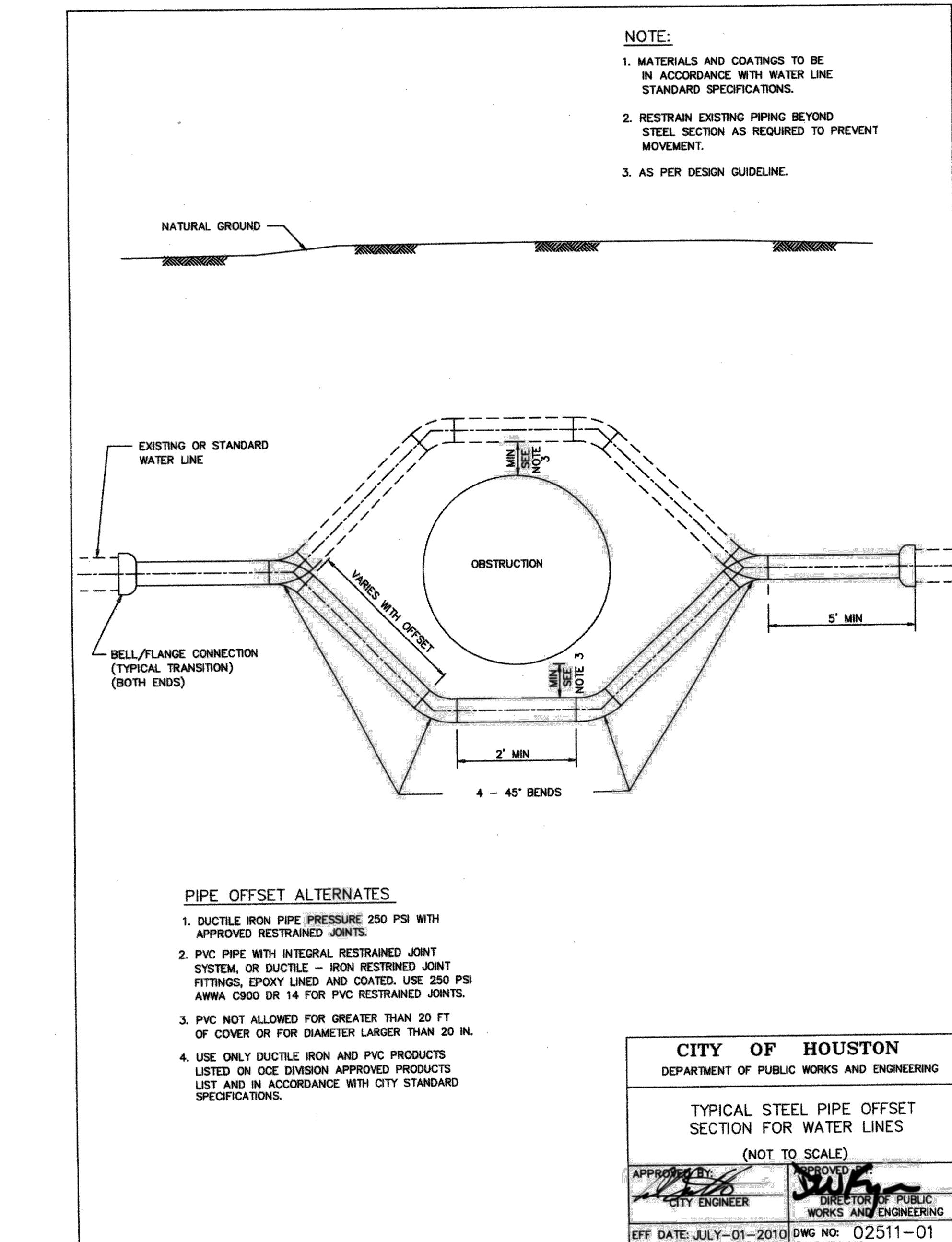
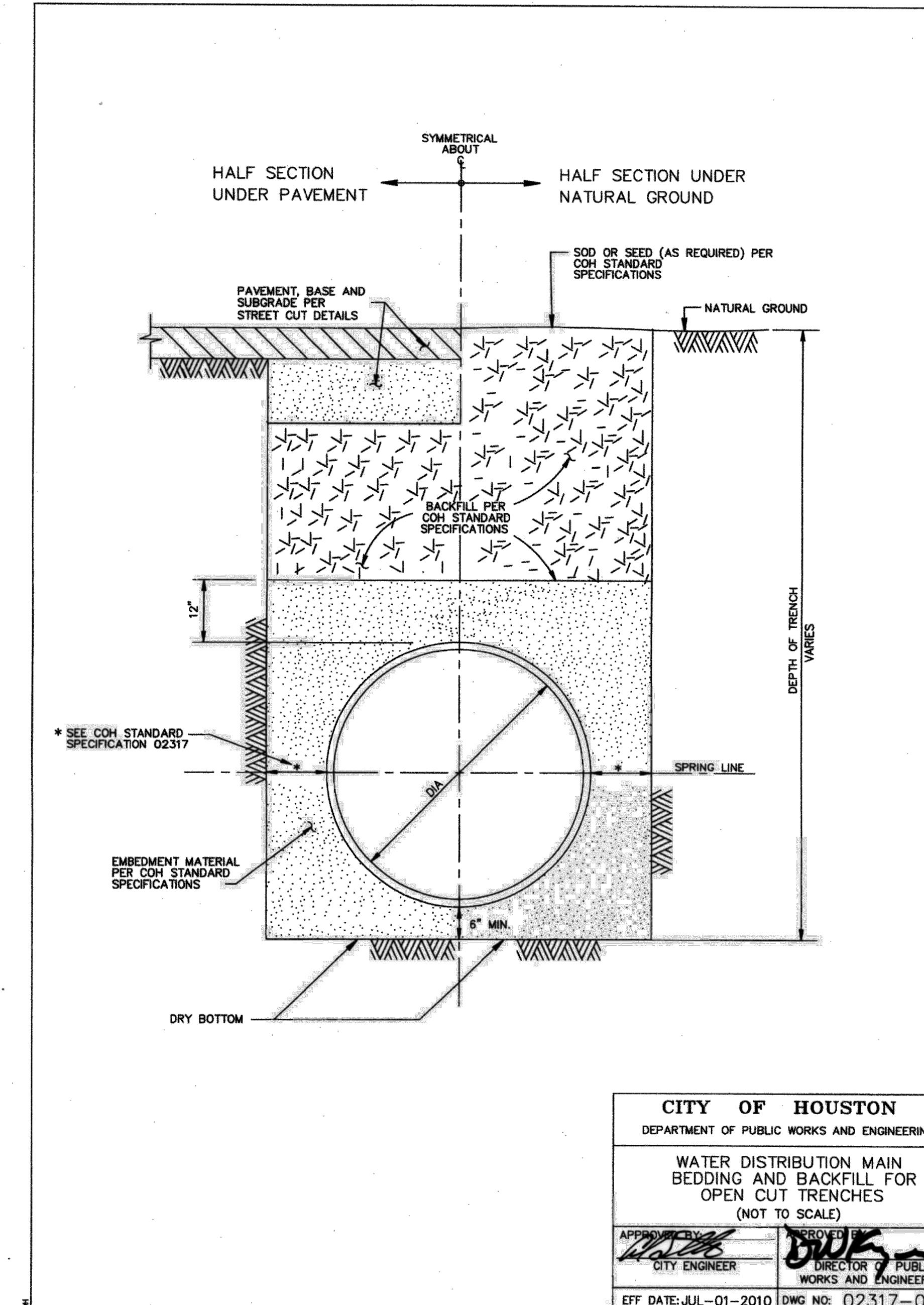
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HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

COH WATER DETAILS
1 OF 4

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DRAWING SCALE	
AS NOTED	
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ANH BOYD	
SHEET NO. 20 OF 37	



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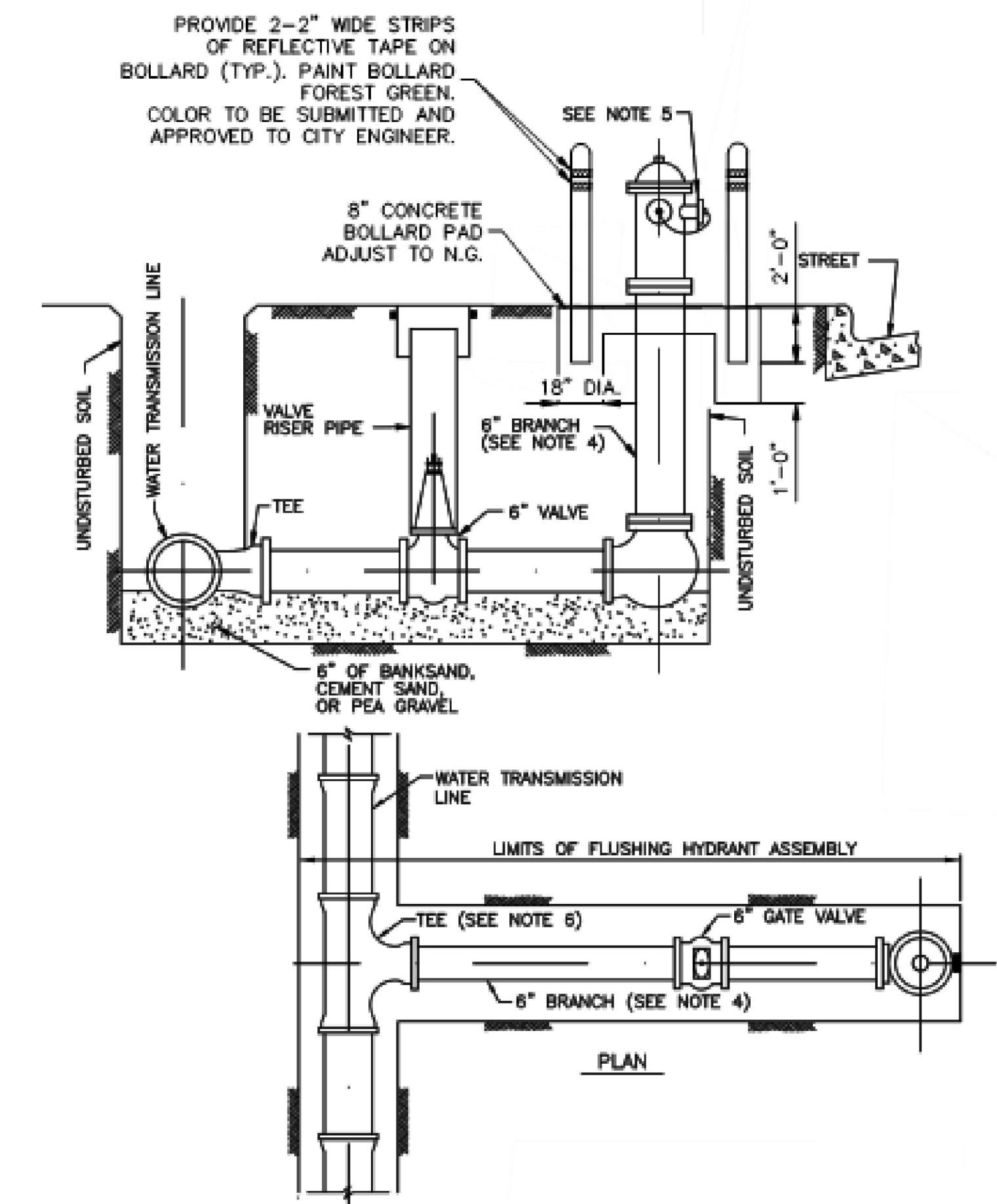
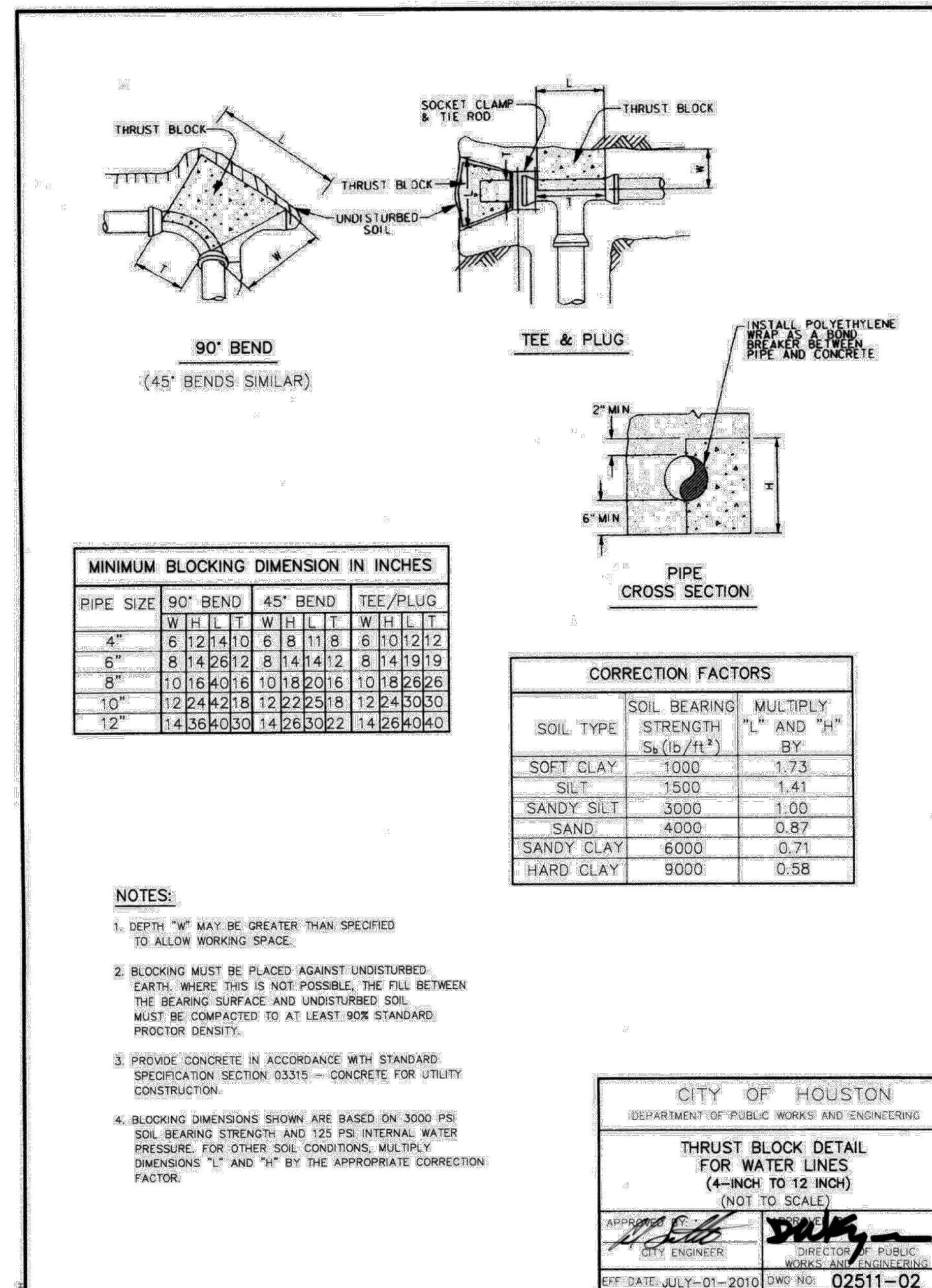
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HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL
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COH WATER DETAILS
2 OF 4

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S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 21 OF 37	



2 STANDARD FLUSHING HYDRANT DETAIL

N.T.S.

NOTES:

1. LOCATE FLUSHING HYDRANTS AS SHOWN ON PLANS.
2. ON OPEN-DITCH ROADWAYS OR OTHER CORRIDORS, SET THE FLUSHING HYDRANTS WITHIN 3 FEET OF RIGHTS-OF-WAY LINES, EASEMENT LINE OR AS SHOWN ON PLANS.
3. THE FLUSHING HYDRANT STEAMER NOZZLE SHALL FACE THE STREET UNLESS DIRECTED OTHERWISE BY ENGINEER.
4. PROVIDE RESTRAINED JOINTS FOR FLUSHING HYDRANT ASSEMBLY.
5. PAINT FLUSHING HYDRANT GLOSS FOREST GREEN PER SPEC 02520S. INSTALL DISK ON PUMPER NOZZLE AND LABEL "FOR FLUSHING ONLY".
6. IF WATER TRANSMISSION LINE IS PVC OR D.I. PIPE MATERIAL, INSTALL A D.I. TEE. IF WATER TRANSMISSION LINE IS STEEL OR CONCRETE CYLINDER PIPE MATERIAL, INSTALL A MANUFACTURER'S FLANGED TEE AT THE SPRING LINE.
7. FLUSHING HYDRANTS SHALL BE RATED FOR A WORKING PRESSURE OF 150 PSIG OR GREATER AND PROVIDED FROM THE FACTORY PAINTED BLACK.
8. PROVIDE MUELLER HYDRANT DEFENDER SECURITY DEVICE OR APPROVED EQUAL AND S.S. TAG: "FOR FLUSHING USE ONLY".

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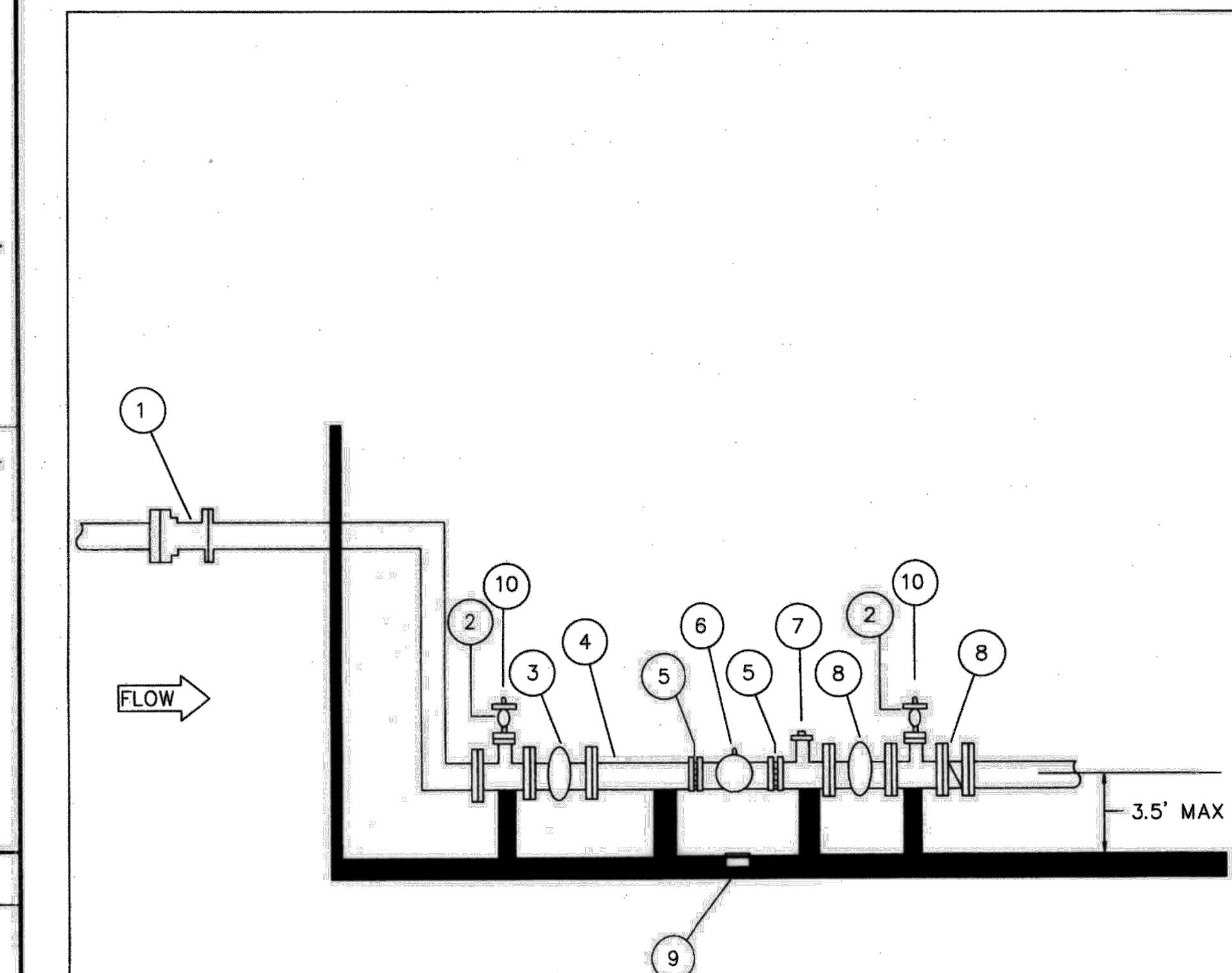
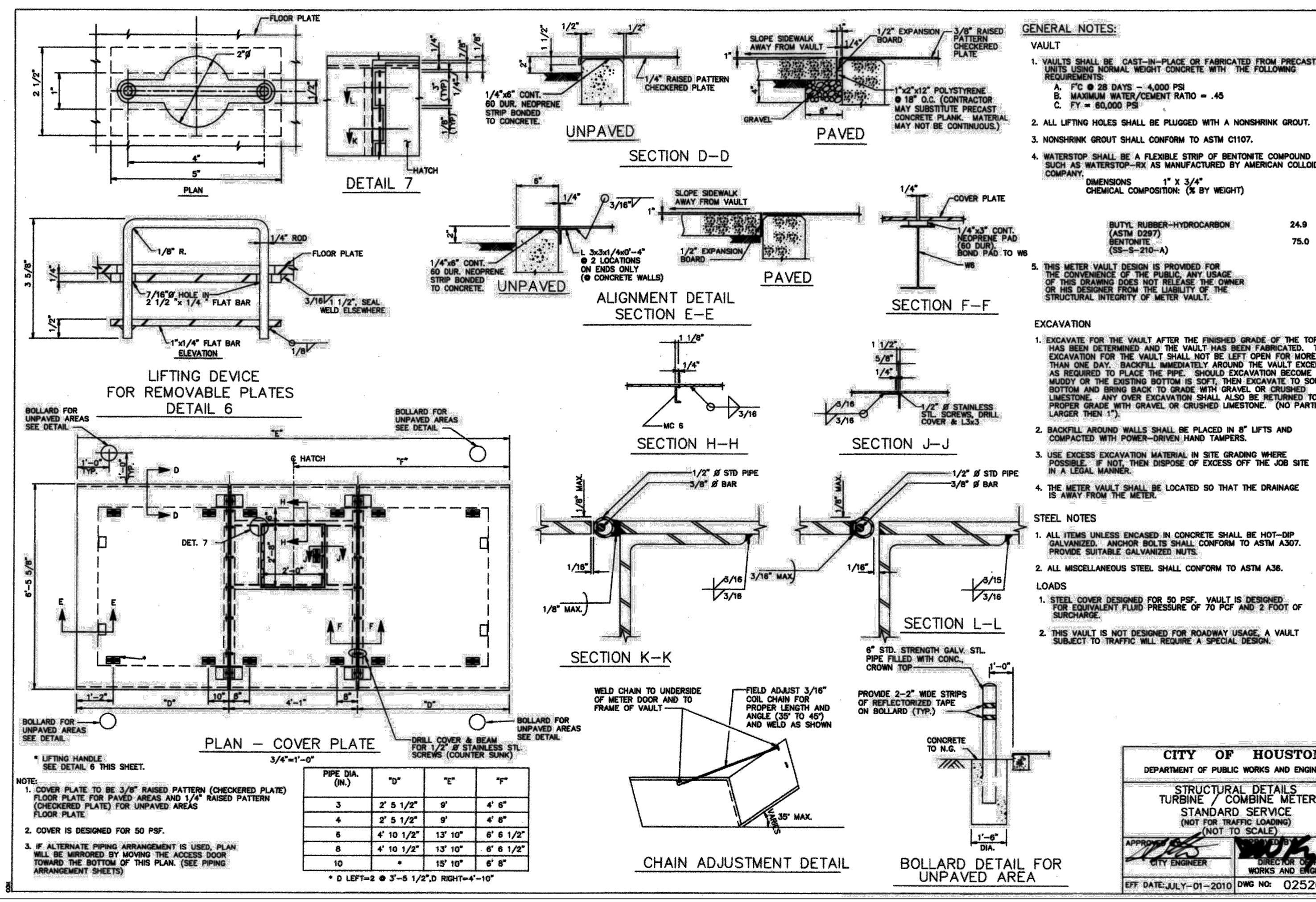
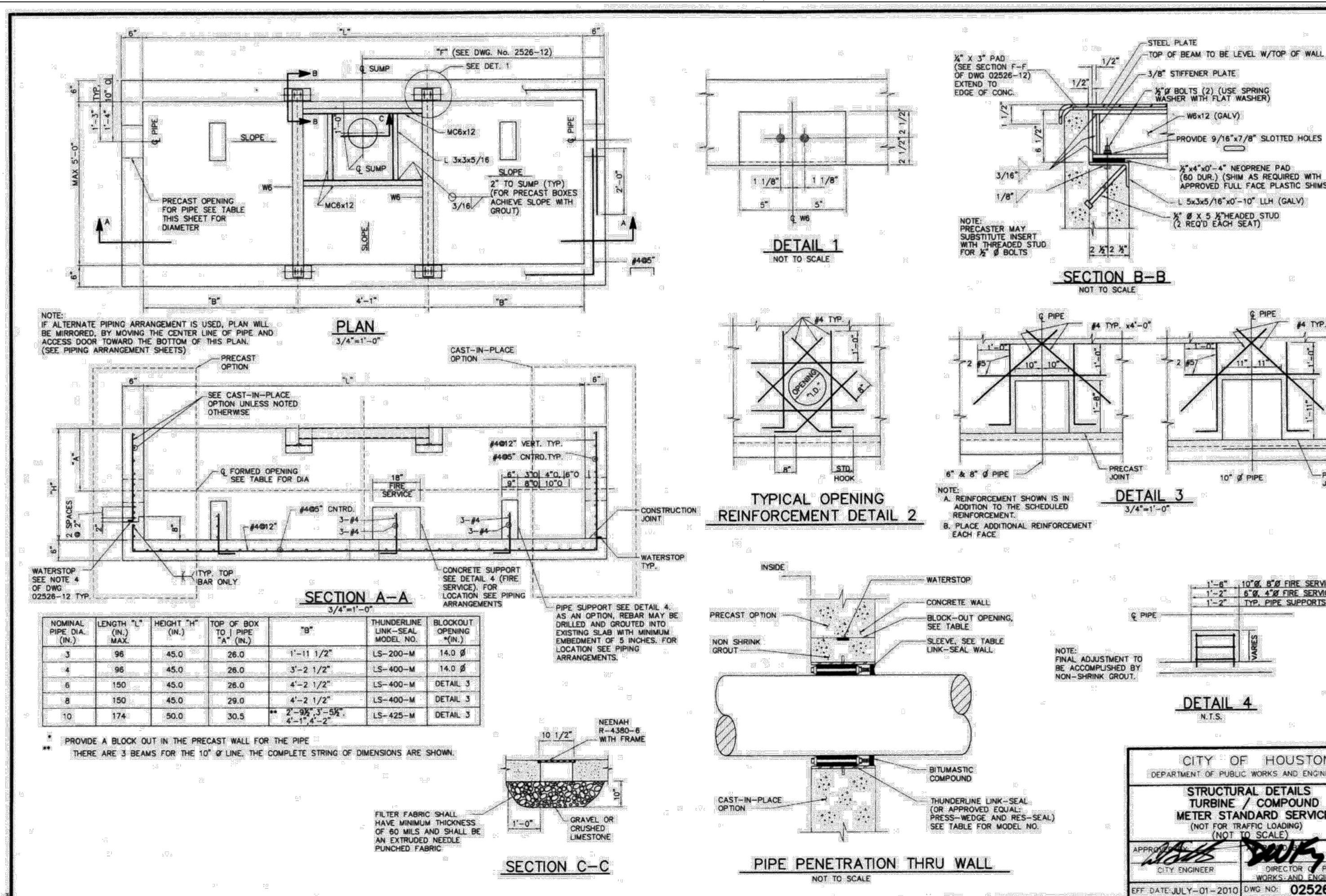
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HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL
NE AREA GROUP B

COH WATER DETAILS
3 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 22 OF 37	



160

1. TRANSITION FROM PVC TO STEEL, OR
2. NRS GATE VALVE FOR BYPASS
3. OS&Y GATE VALVE FOR LINE VALVE
4. SPOOL
5. GROUNDING RING
6. CITY APPROVED ELECTROMAGNETIC METER
7. TEST TEE FLANGED WITH 2" BRASS PLATE
8. WAFER CHECK VALVE
9. DRAIN WITHIN METER EASEMENT
10. FLANGE WITH 2" BRASS PLATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

SCHEMATIC
BASEMENT INSTALLATION
ELECTROMAGNETIC METER
3" THRU 10"
(NOT TO SCALE)

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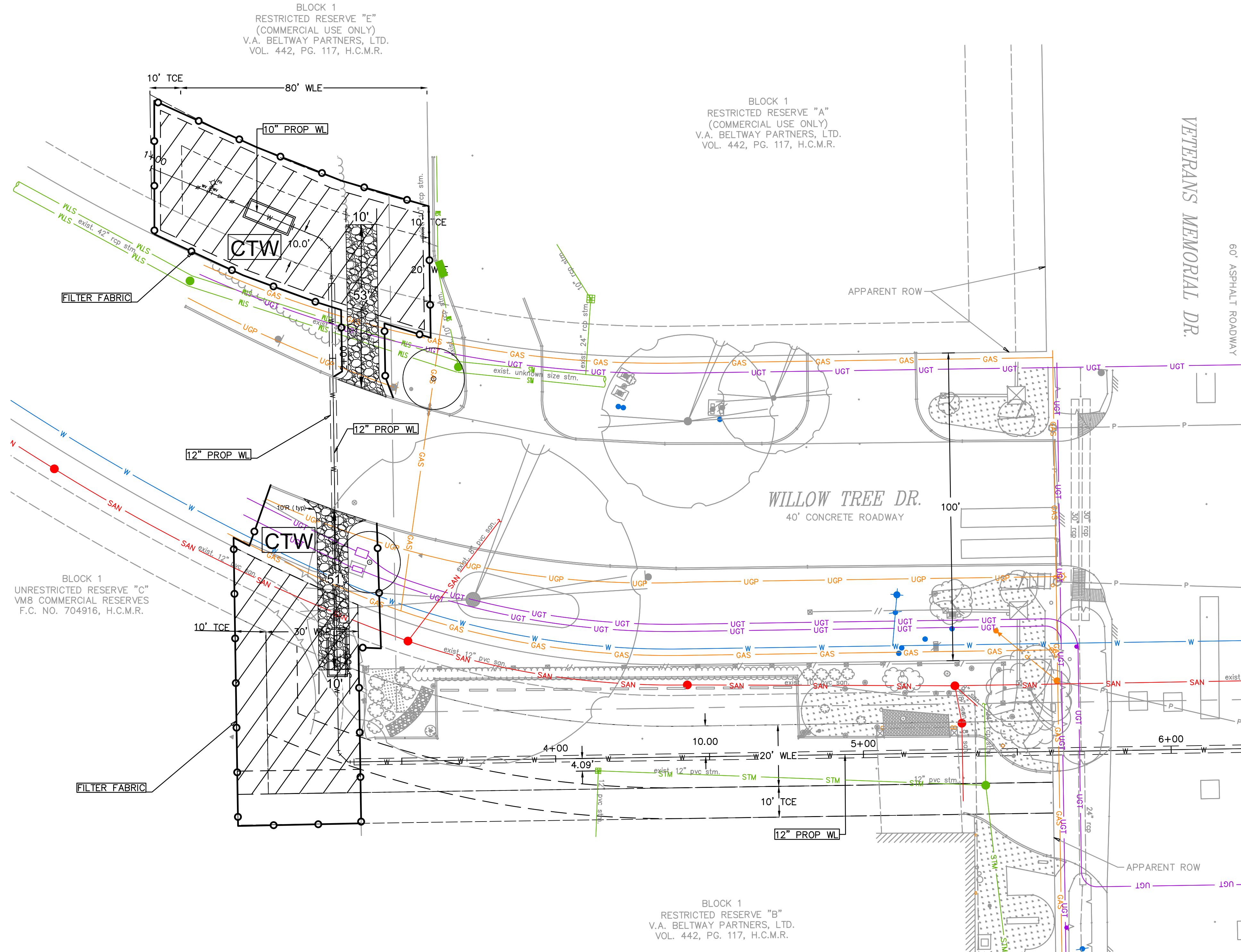
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

COH WATER DETAILS
4 OF 4

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ANH BOYD	
SHEET NO.	23 OF 37

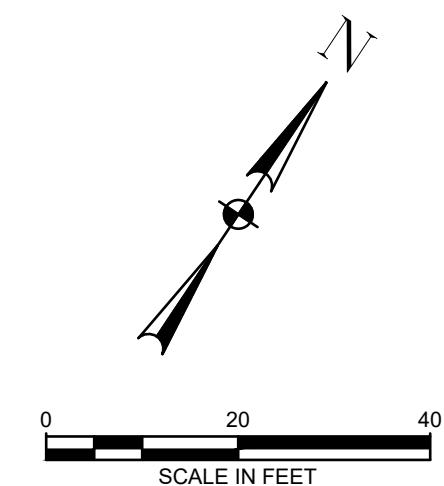


NOTES:

STORMWATER POLLUTION PREVENTION PLAN SHALL CONFORM TO SPECIFICATIONS AND DRAWINGS.

ALL DISTURBED AREAS THAT ARE NOT PAVED OR COVERED BY STRUCTURES SHALL BE SODDED OR HYDROMULCH SEEDED.

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NO.	DATE	REVISION	APP.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL
NE AREA GROUP B

STORMWATER POLLUTION
PREVENTION PLAN
SHEET 1 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 24 OF 37	

MATCH LINE SHEET 1 OF 3

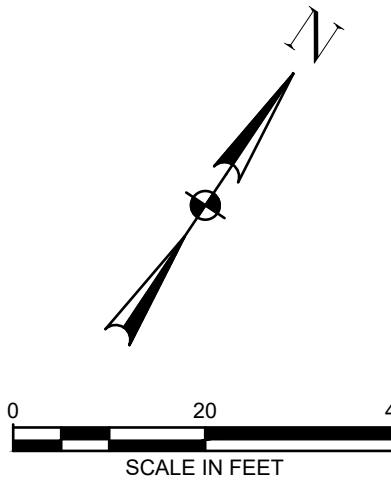
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RESTRICTED RESERVE "A"
(COMMERCIAL USE ONLY)
VETERANS MEMORIAL ALBERT
F.C. NO. 409140, H.C.M.

NOTE:

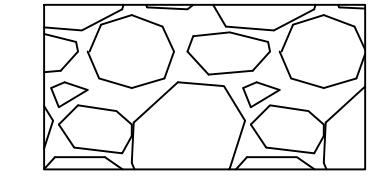
STORMWATER POLLUTION PREVENTION
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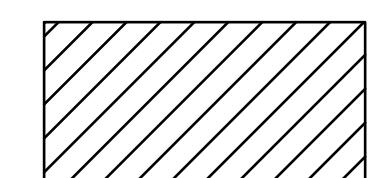
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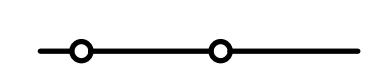
LEGEND



CONSTRUCTION EXIT



WORKZONE



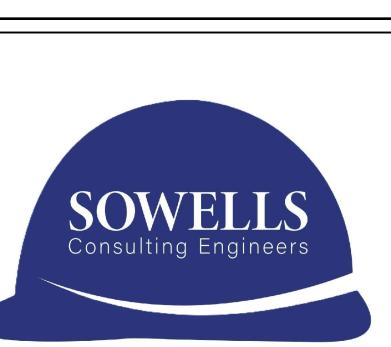
REINFORCED FILTER FABRIC BARRIER



INLET PROTECTIVE BARRIER



CONCRETE TRU WASHOUT



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HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

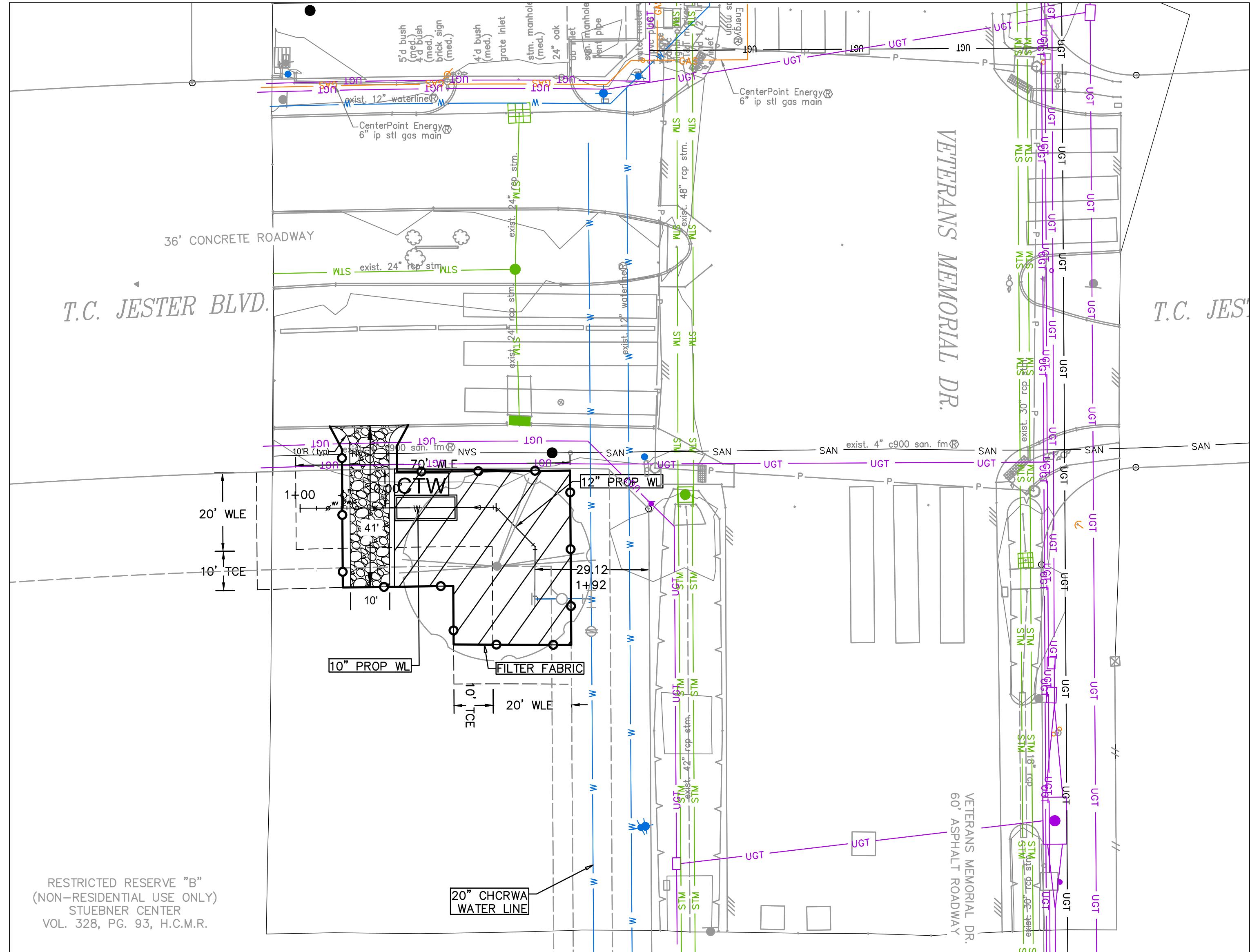
STORMWATER POLLUTION PREVENTION PLAN SHFT 2 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 25 OF 37	

PLOTTED: 1/7/2026 10:44 PM

PLOT STYLE: COH.ctb

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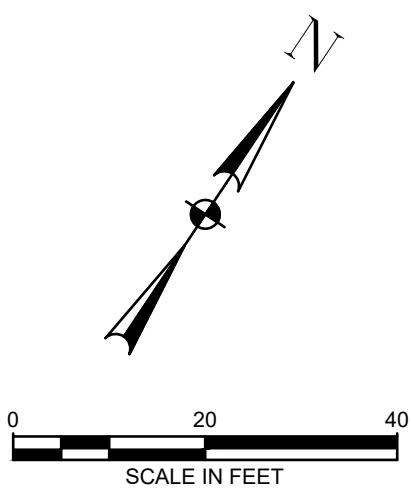


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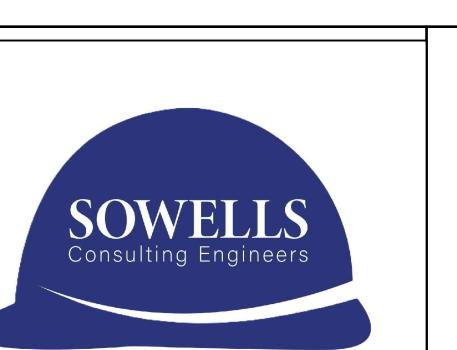
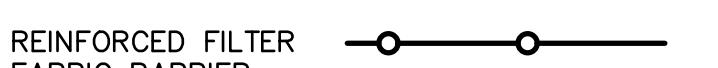
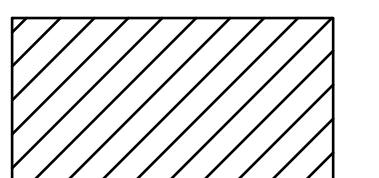
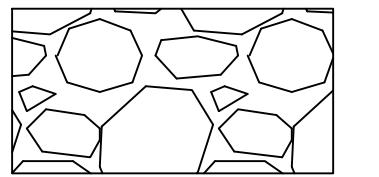
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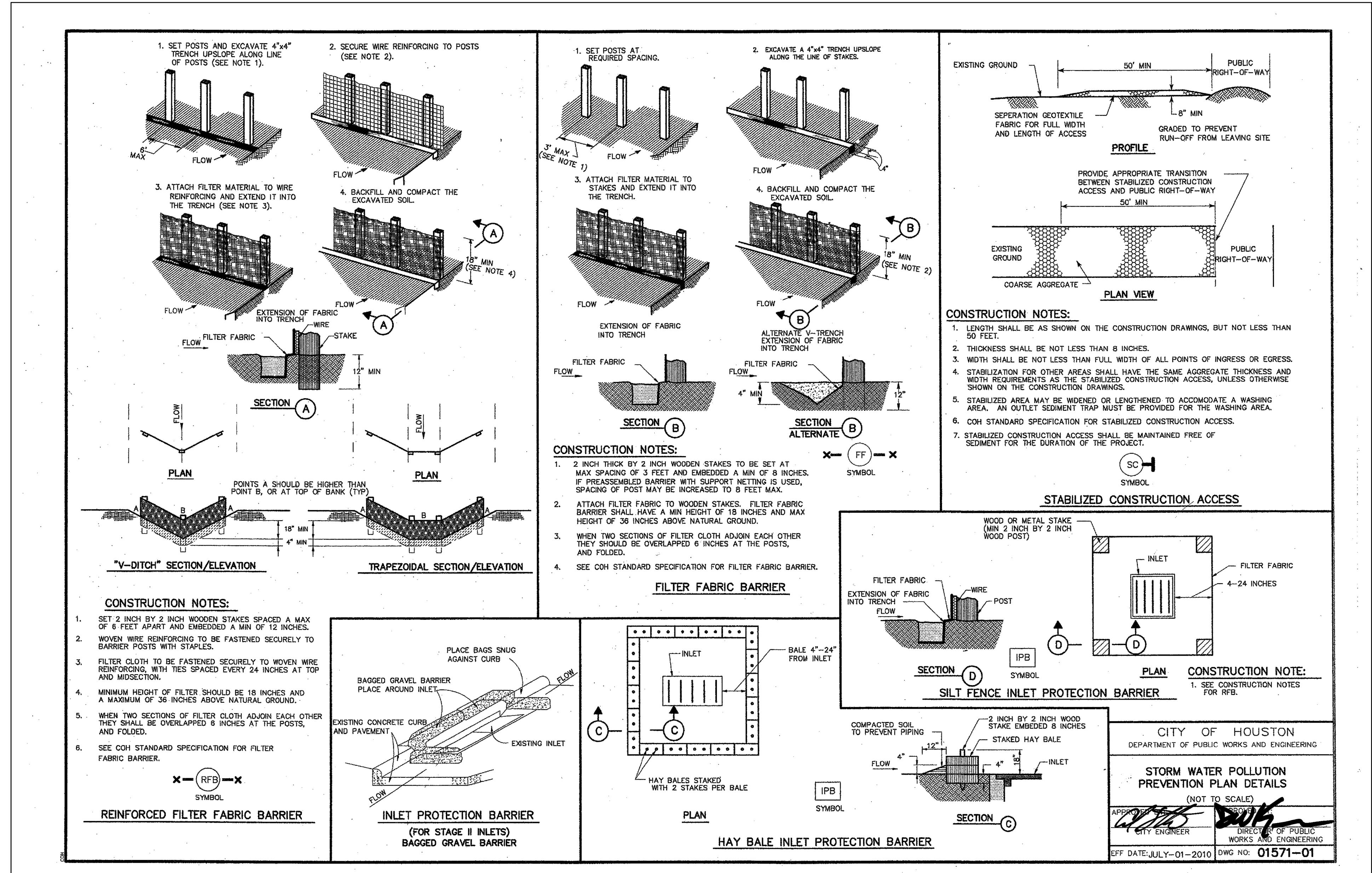
HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

STORMWATER POLLUTION PREVENTION PLAN

SHEET 3 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 26 OF 37	

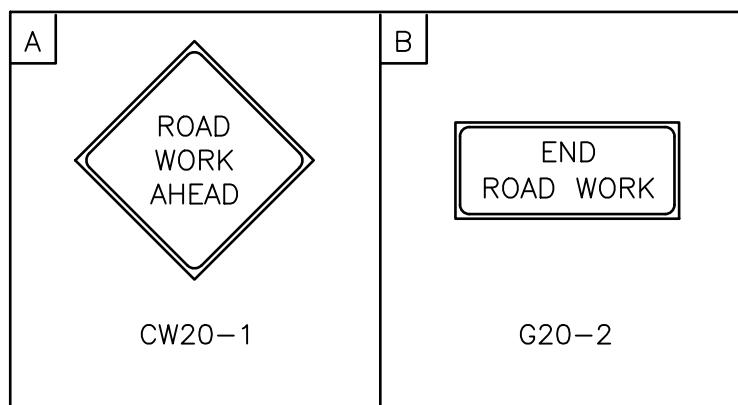


CITY OF HOUSTON
HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL
NE AREA GROUP B

STORMWATER POLLUTION
PREVENTION PLAN
DETAILS

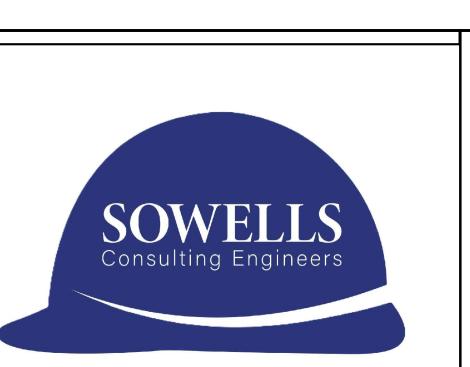
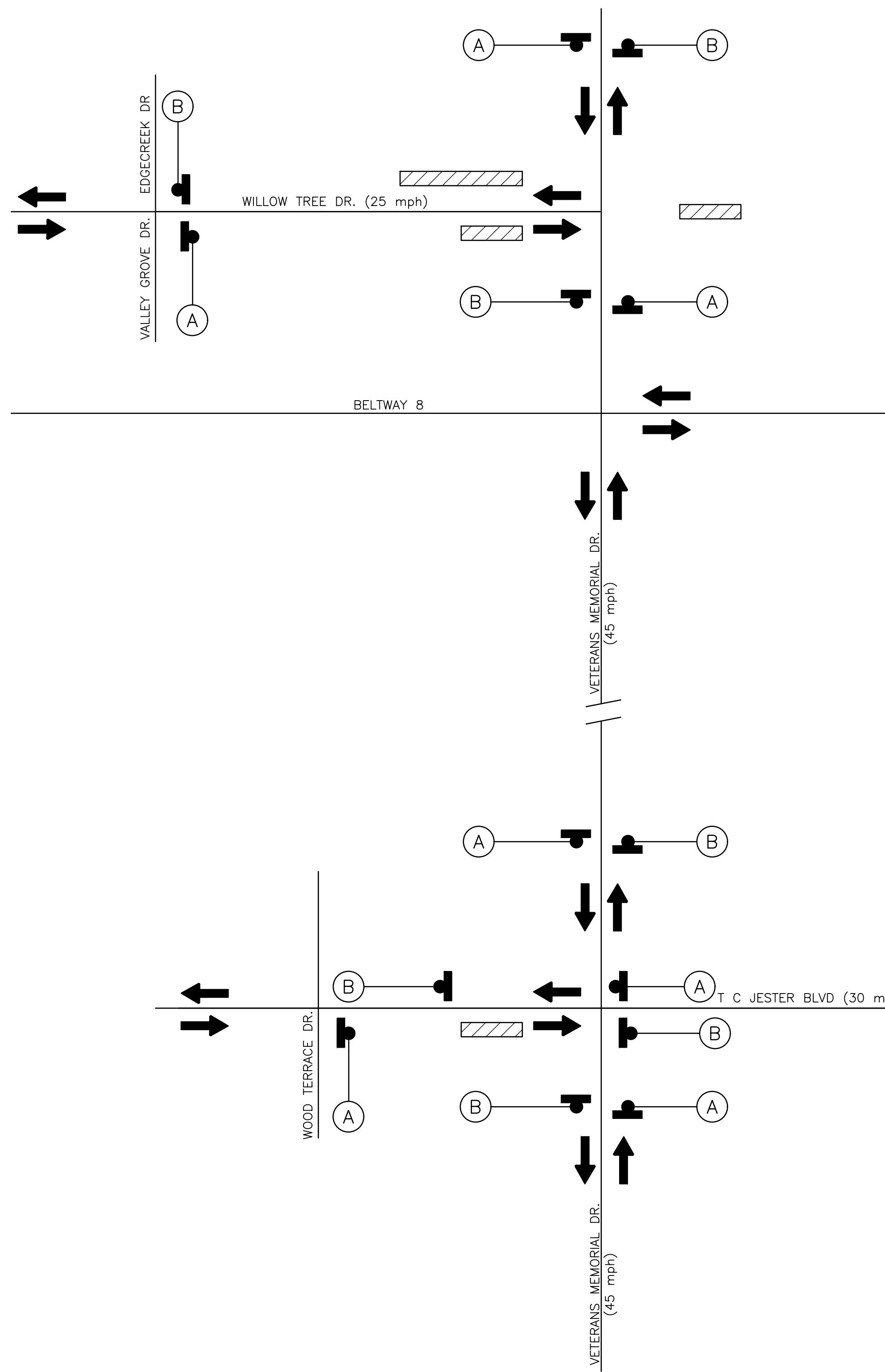
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DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 27	OF 37



LEGEND:

- SIGN
- CHANNELIZATION DEVICE
- BARRICADE
- ▨ AREA UNDER CONSTRUCTION
- TRAVEL WAY

NO.	DATE	REVISION	APP.



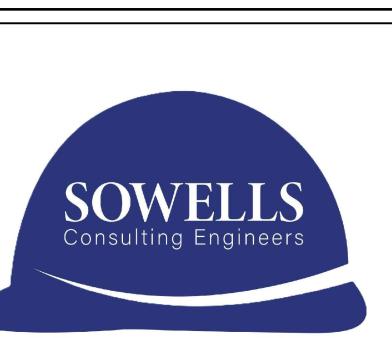
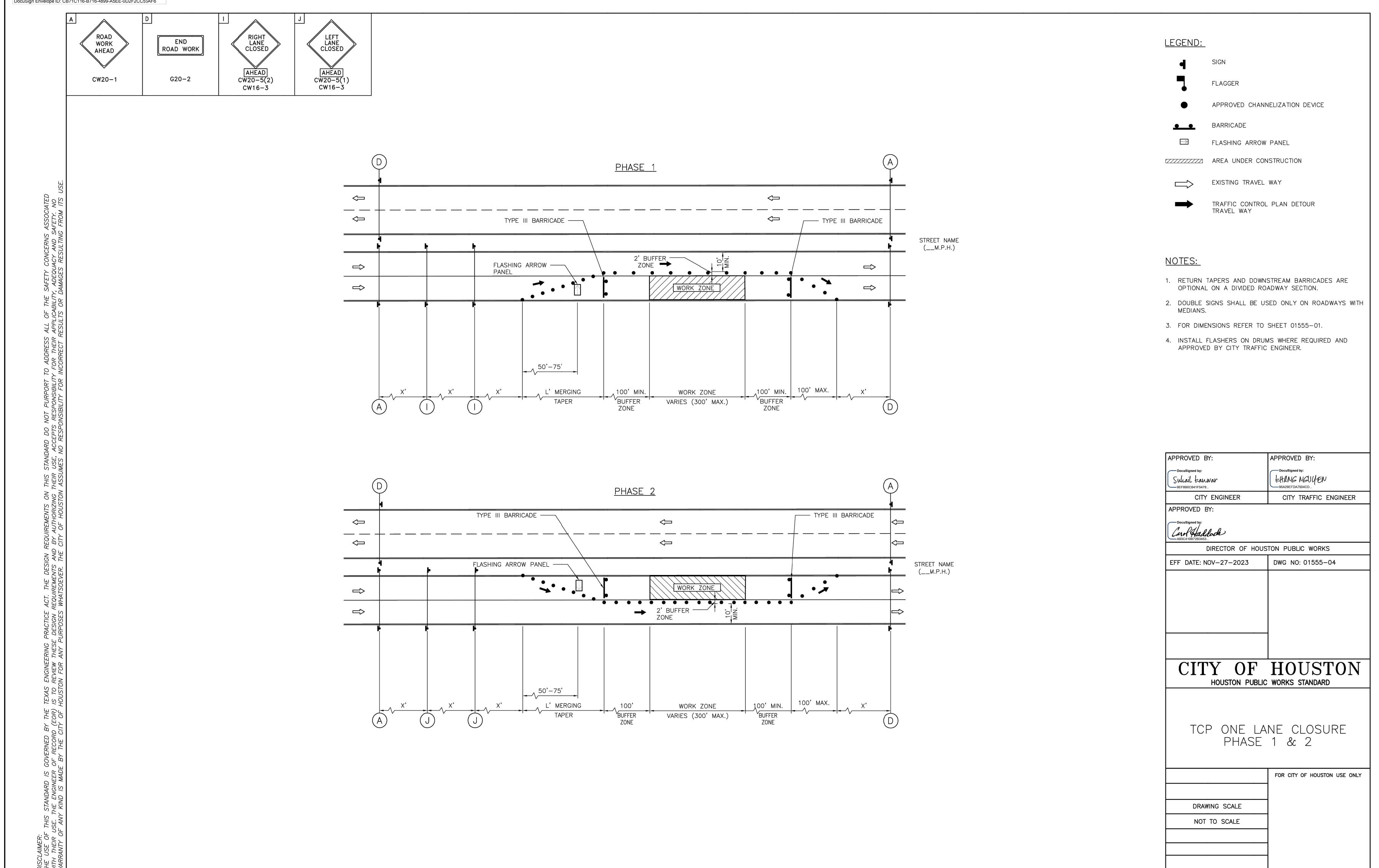
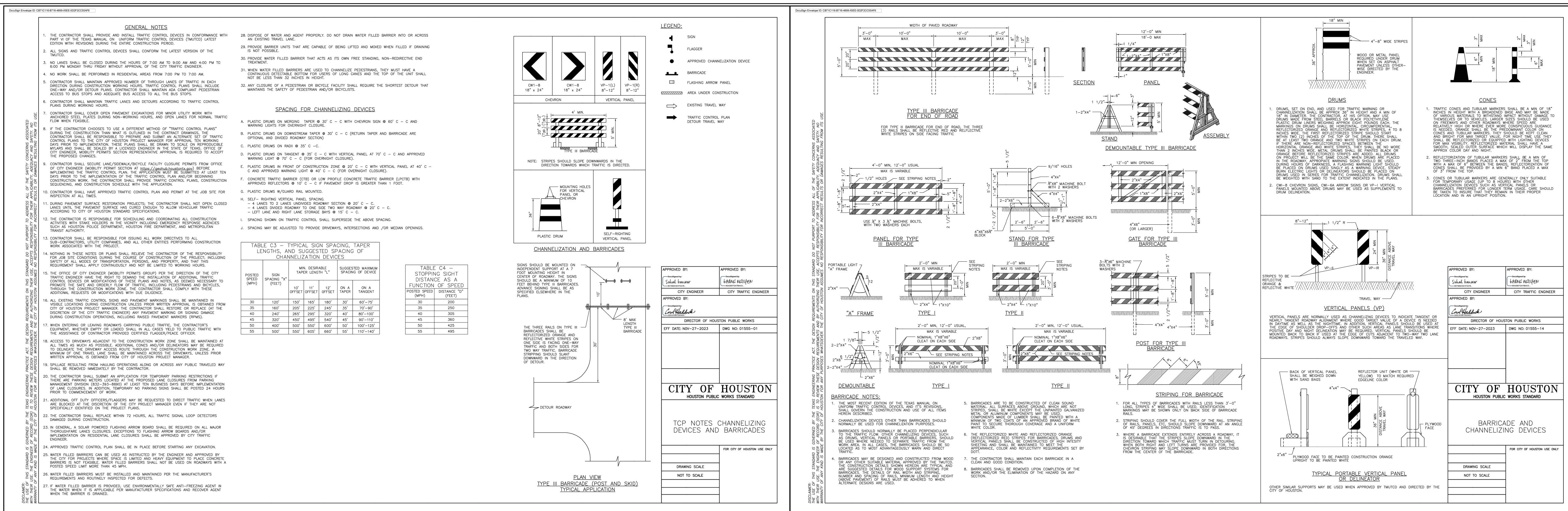
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**COH GRP CONVERSION WL
NE AREA GROUP B**

TRAFFIC CONTROL LAYOUT

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TRAFFIC CONTROL STANDARD DETAILS

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DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	

BLOCK 1
RESTRICTED RESERVE "E"
(COMMERCIAL USE ONLY)
V.A. BELTWAY PARTNERS, LTD
VOL. 442, PG. 117, H.C.M.R.

BLOCK 1
RESTRICTED RESERVE "A"
(COMMERCIAL USE ONLY)
V.A. BELTWAY PARTNERS, L.
VOL. 442, PG. 117, H.C.M.P.

BLOCK 1
UNRESTRICTED RESERVE
VM8 COMMERCIAL RESER
F.C. NO. 704916, H.C.M.

BLOCK 1
RESTRICTED RESERVE
V.A. BELTWAY PARTNERS,
VOL. 442 PG. 117, H.C.

TREE PROTECTION PLAN LEGEND

The logo for EJES Incorporated. It features the word "EJES" in a large, bold, black, sans-serif font. Below "EJES", the word "INCORPORATED" is written in a smaller, black, sans-serif font. A thin horizontal line is positioned above the "EJES" text.

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CITY OF HOUSTON

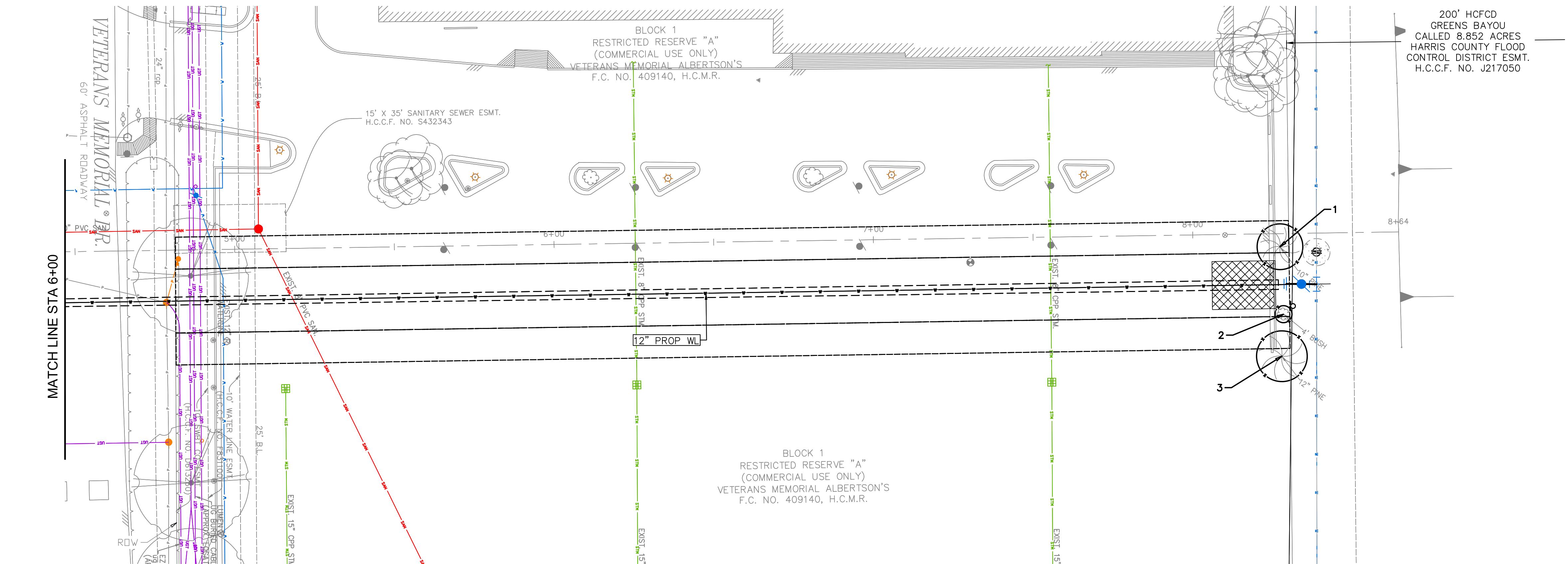
HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

FREE PROTECTION PLAN

SHEET 1 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 30 OF 37	



EJES
INCORPORATED
6161 SAVOY DRIVE,
SUITE 830
HOUSTON, TEXAS 77036
(P) 281-272-1612
(F) 281-272-1619
FIRM REG. F-2488

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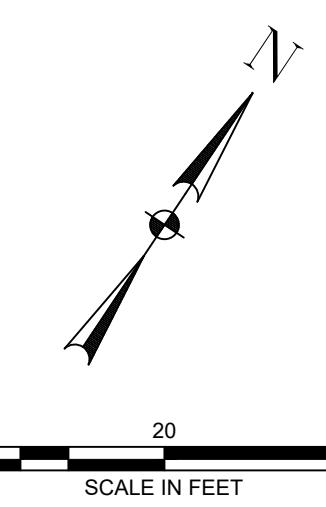
HOUSTON PUBLIC WORKS

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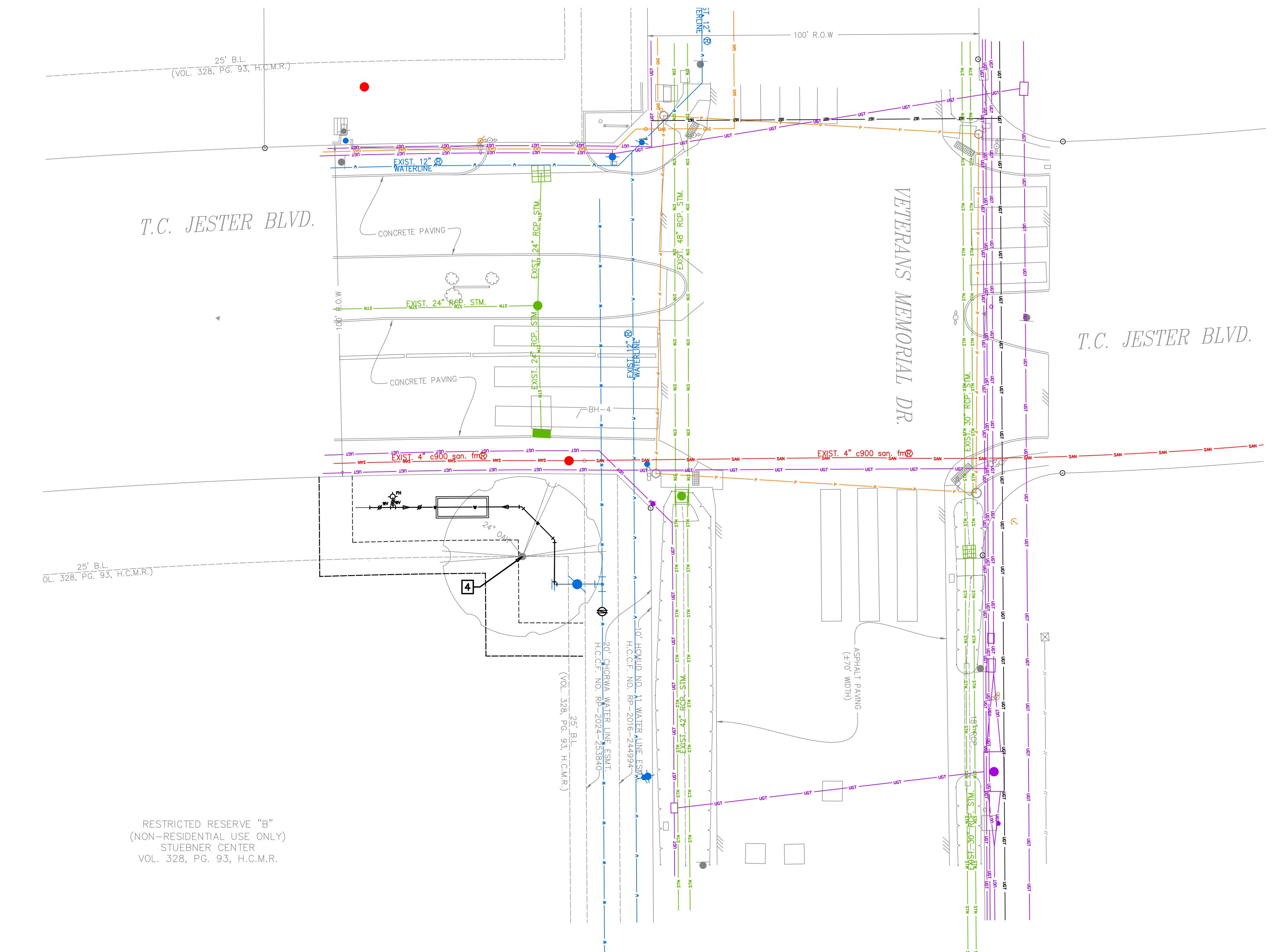
TREE PROTECTION PLAN
SHEET 2 OF 3

TREE PROTECTION PLAN LEGEND	
1	TREE TO REMAIN
2	TREE TO BE REMOVED
3	TREE PROTECTION FENCING

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 31 OF 37	

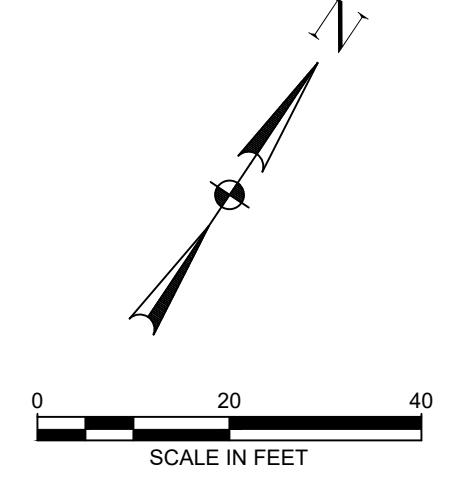


NO. DATE REVISION APP.



RESTRICTED RESERVE "B"
(NON-RESIDENTIAL USE ONLY)
STUEBNER CENTER
VOL. 328, PG. 93, H.C.M.R.

TREE PROTECTION PLAN LEGEND	
	TREE TO REMAIN
	TREE TO BE REMOVED
	TREE PROTECTION FENCING



NO. DATE REVISION APP.

EJES
INCORPORATED
6161 SAVOY DRIVE,
SUITE 830
HOUSTON, TEXAS 77036
(P) 281-272-1612
(F) 281-272-1619
FIRM REG. F-2488

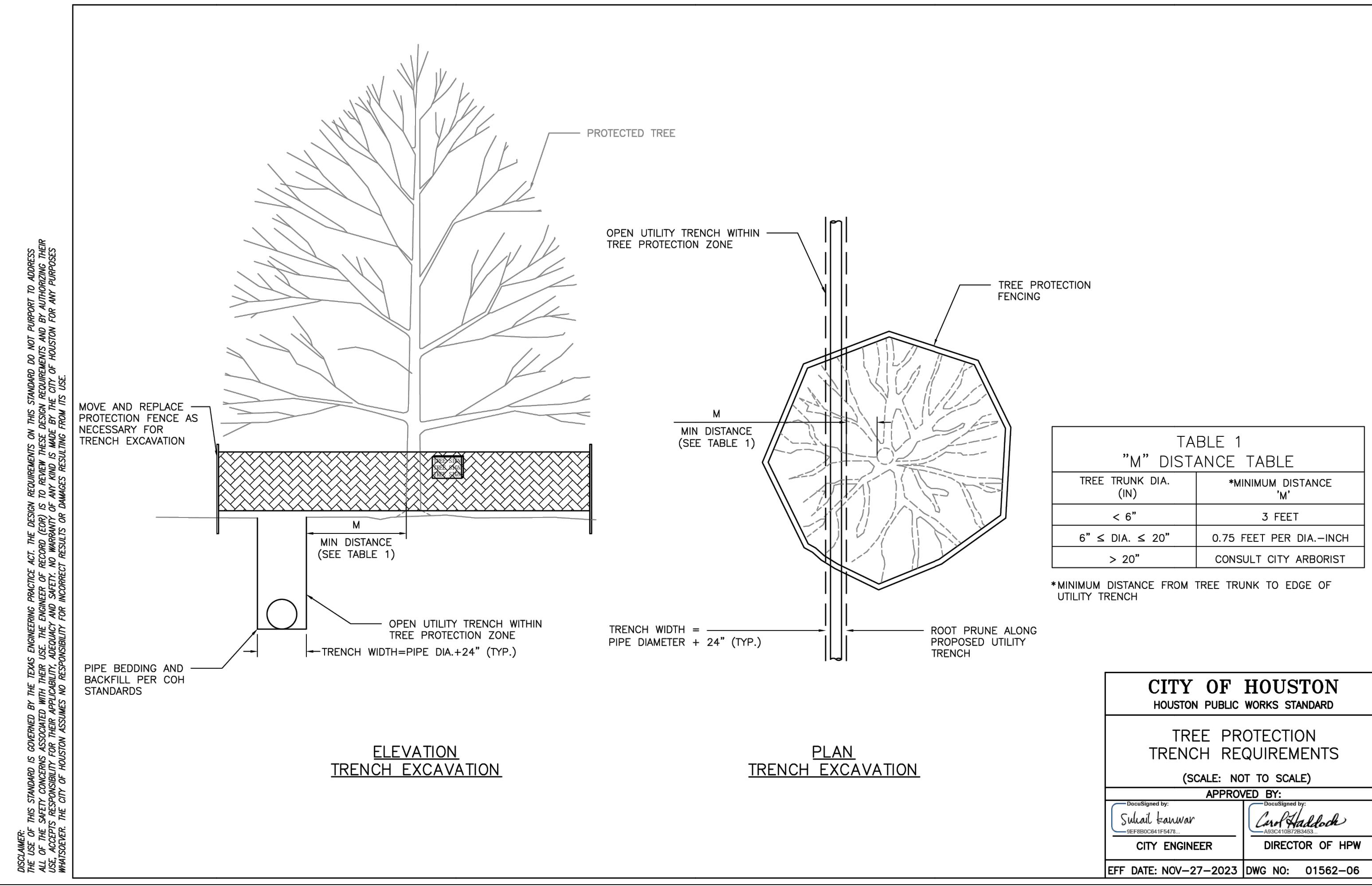
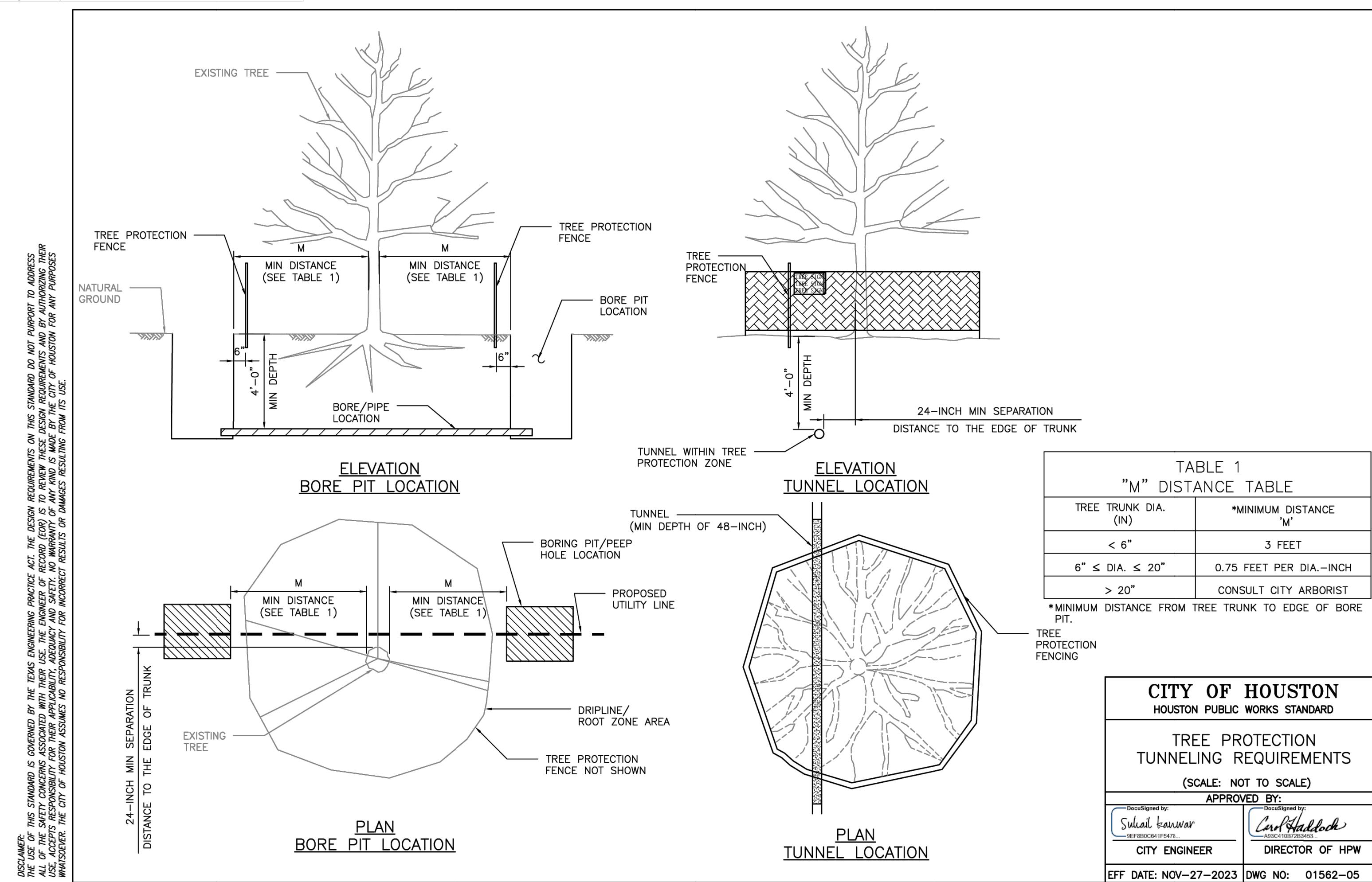
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HOUSTON PUBLIC WORKS

**COH GRP CONVERSION WL
NE AREA GROUP B**

**TREE PROTECTION PLAN
SHEET 3 OF 3**

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DRAWING SCALE	
AS NOTED	
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ANH BOYD	
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TREE PROTECTION STANDARD
DETAILS 2 OF 2

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DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 34 OF 37	

