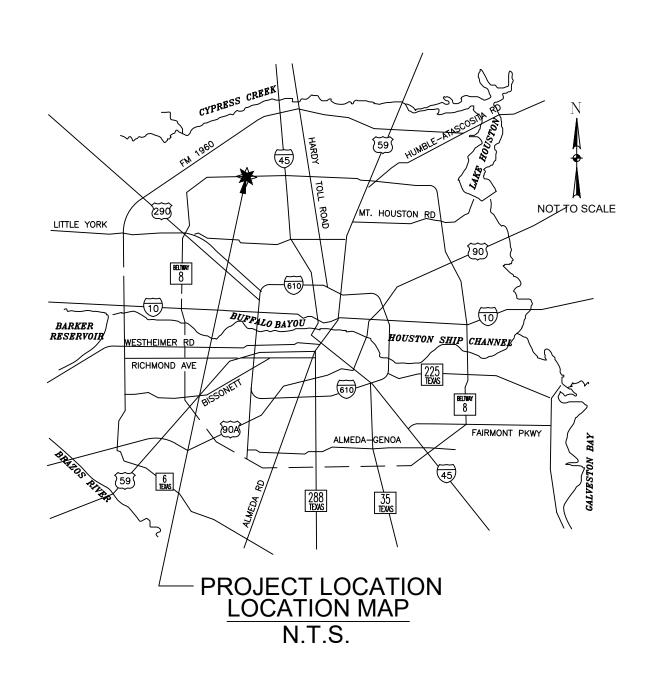
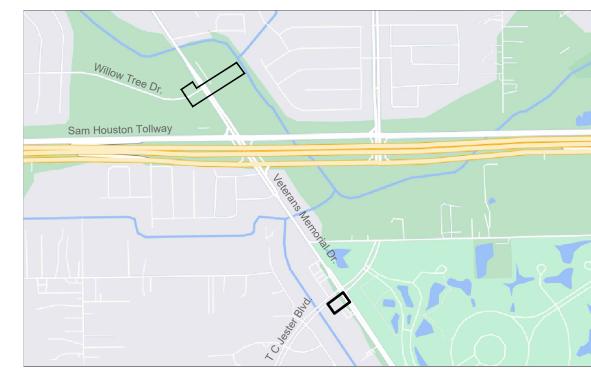
CITY OF HOUSTON HOUSTON PUBLIC WORKS

GROUNDWATER REDUCTION PLAN (GRP) CONVERSION WATERLINES NORTHEAST (NE) AREA GROUP B WBS NO. S-000900-0305-3





VICINITY MAP N.T.S. **KEY MAP NO 371V** GIMS MAP NO 13565 COUNCIL DISTRICT B



MAYOR JOHN WHITMIRE

> CONTROLLER CHRIS HOLLINS

COUNCIL MEMBERS

DISTRICT J

AMY PECK DISTRICT A

DISTRICT I

TARSHA JACKSON DISTRICT B

ABBIE KAMIN DISTRICT C

CAROLYN E. SHABAZZ DISTRICT D

FRED FLICKINGER TIFFANY D. THOMAS MARY NAN HUFFMAN MARIO CASTILLO JR. DISTRICT E DISTRICT F DISTRICT G

JOAQUIN MARTINEZ EDWARD POLLARD MARTHA CASTEX-TATUM

DISTRICT K

JULIAN RAMIREZ

POSITION 1

TWILA CARTER

POSITION 3

Site plans must be approved prior to obtaining the required HCFCD Right-of-Way Notification. Be

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-hour notice must be provided to HCFCD at

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

DATE	RE	VISION		APP.
INCORP	SUI HOU (P) (F)	1 SAVOY DRIVE. TE 830 JSTON, TEXAS 77036 281-272-1612 281-272-1619 M REG. F-2488	THIS DOCUMENT RELEASED FOR PURPOSE OF INTI REVIEW, MARK—I DRAFTING UNDER AUTHORITY OF TANITA GILBERT ALE; LICENSE NO. 88	THE ERIM JP, THE : XANDER 719
RVEYED BY: KUO G NO. 10075600			DATED 9/29/2025. NOT TO BE USED CONSTRUCTION, BIE OR PERMIT PURPO	FOR DDING,
DESIGN PM			DATE	
CONSTRUCTIO	N		DATE	
MANAGING EN	JGINFFR		DATE	
	VOTVEET (
HOUSTON WA	ATER (WWOPS)		DATE	
PARK-FORES	STRY DEPT.		DATE	
ITY ENGINEER	DATE	FOR CITY OF	HOUSTON USE	ONLY
TII LINGIINLLIN				
IRECTOR OF IOUSTON PUBL	DATE IC WORKS			

SHEET NO 1 OF 33 SHEETS

DISTRICT

SALLIE ALCORN POSITION 5

COUNCIL MEMBERS

AT-LARGE

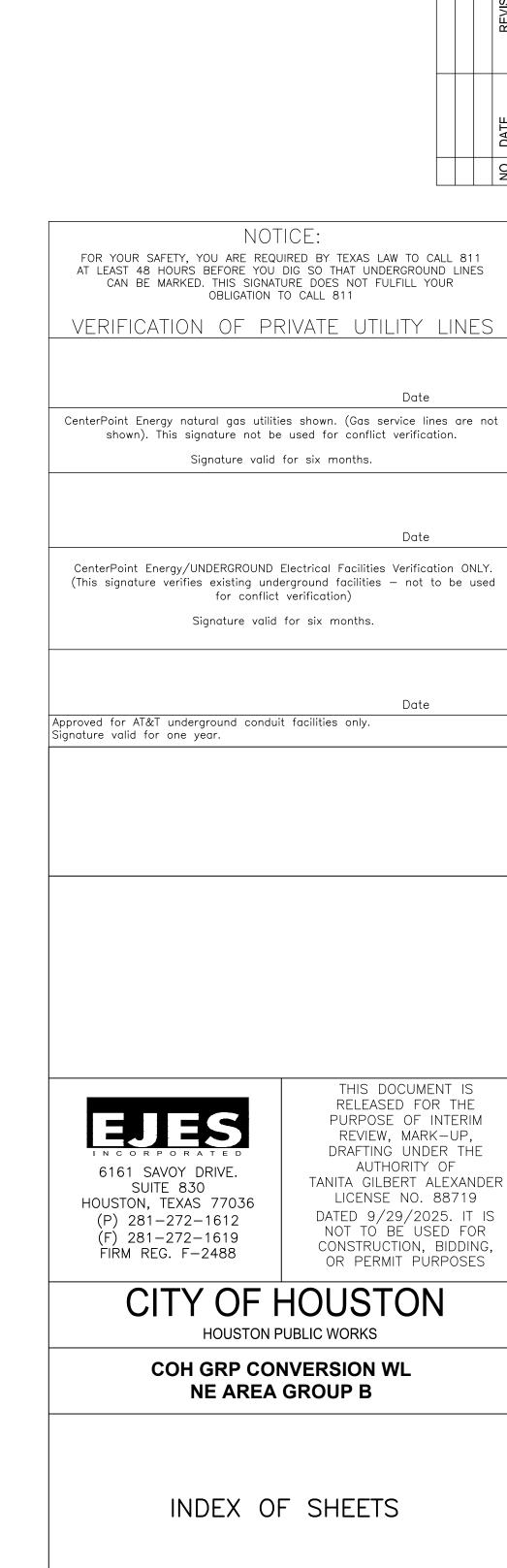
WILLIE DAVIS

POSITION 2

LETITIA PLUMMER

POSITION 4

```
SHEET NO.
                                         SHEET TITLE
COVER SHEET & INDEX
                                      COVER SHEET, LOCATION MAP, VICINITY MAP
                                      INDEX OF SHEETS
GENERAL NOTE LEGEND ABBREVIATIONS
                                      LEGEND
                                      ABBREVIATIONS
                                      GENERAL NOTES (SHEET 1 OF 2)
                                      GENERAL NOTES (SHEET 1 OF 2)
SURVEY SHEETS
                                      SURVEY CONTROL MAP SITE 1 (1 OF 2)
                                      SURVEY CONTROL MAP SITE 1 (2 OF 2)
                                      SURVEY CONTROL MAP SITE 2
PLAN AND PROFILE
                                      WILLOW TREE BASELINE - WATER LINE PLAN - BEGIN TO STA 6+00
                                      WILLOW TREE BASELINE - WATER LINE PROFILE - BEGIN TO STA 6+00
                                      WILLOW TREE BASELINE - WATER LINE PLAN - 6+00 TO END
                                      WILLOW TREE BASELINE - WATER LINE PROFILE - 6+00 TO END
14
                                      T.C. JESTER BASELINE - WATER LINE PLAN - BEGIN TO END
15
                                      T.C. JESTER BASELINE - WATER LINE PROFILE - BEGIN TO END
WATER DETAILS
                                      COH WATER DETAILS (SHEET 1 OF 4)
16
                                      COH WATER DETAILS (SHEET 2 OF 4)
                                      COH WATER DETAILS (SHEET 3 OF 4)
                                      COH WATER DETAILS (SHEET 4 OF 4)
SWPPP PLAN & DETAILS
                                      SWPPP PLAN (SHEET 1 OF 3)
21
                                      SWPPP PLAN (SHEET 2 OF 3)
22
                                      SWPPP PLAN (SHEET 3 OF 3)
23
                                      SWPPP PLAN DETAILS
TRAFFIC CONTROL PLAN & DETAILS
                                      TRAFFIC CONTROL LAYOUT
                                      TRAFFIC CONTROL STANDARD DETAILS
TREE PROTECTION PLAN & DETAILS
                                      TREE PROTECTION PLAN (SHEET 1 OF 4)
27
                                      TREE PROTECTION PLAN (SHEET 2 OF 4)
                                      TREE PROTECTION PLAN (SHEET 3 OF 4)
29
                                      TREE PROTECTION STANDARD DETAILS (SHEET 1 OF 4)
                                      TREE PROTECTION STANDARD DETAILS (SHEET 2 OF 4)
                                      TREE PROTECTION STANDARD DETAILS (SHEET 3 OF 4)
                                      TREE PROTECTION STANDARD DETAILS (SHEET 4 OF 4)
CONSTRUCTION DETAILS
                                      COH CONSTRUCTION SIGN DETAILS
```



Date

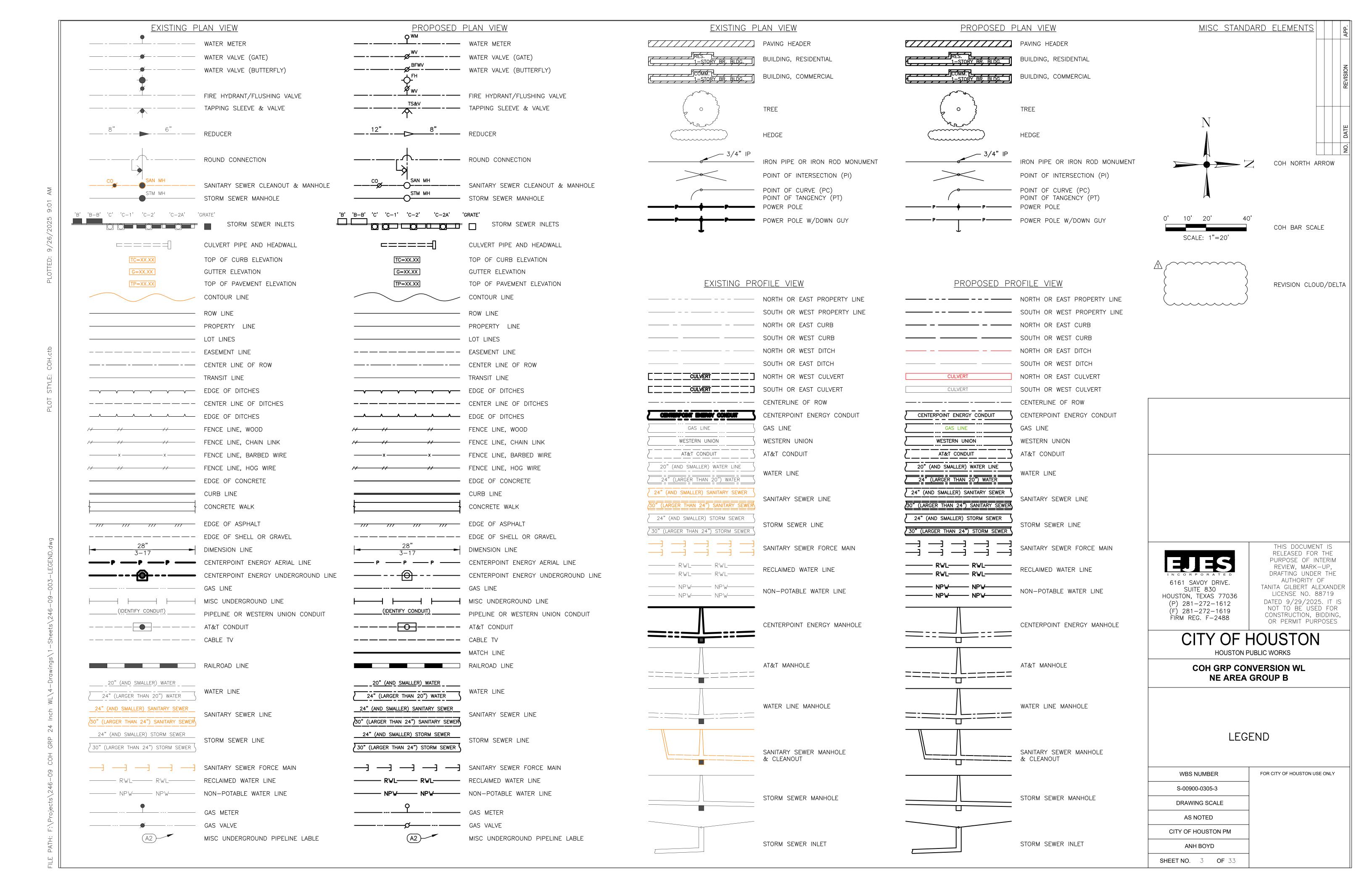
Date

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

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	

2 **OF** 33

SHEET NO.



## APPA EARLAND	ABBREVIATIONS				
### AMAL, EXCREMING PROBELITY PARE ### CASES AND AS A CONTROL OF THE PROPERTY	AC		OPRRPHCT		
AS A SENOWARD AND COMMITTY 20	AE				
APPENDENT OF TOTAL	AEP	ANNUAL EXCEEDANCE PROBABILITY			
Marie Cont Property Marie Cont Marie Cont Property Marie Cont Mari		ALSO KNOWN AS			
MONTO CONTINUENCE		APPROXIMATELY			
MU		AVENUE			
STATE STAT		BASE FLOOD ELEVATION			
March Marc		BUILDING LINE			
APY		BEARS			
COL NO		BENCH MARK			
CF NO		CABLE TV			
CHANNESS CHANNESS TROPE SPA		COUNTY CLERK FILE NO.			
CALL CAMPAIL NO DECIDIO MOV.		CLERK FILE NO.			
Color Colo		CHAIN LINKED FENCE			
Common	CL				
COUNT OF COUNTY DESTRUCTION OF COUNTY DESTRU	CLD				
Control Cont	CNP			RAILROAD	
COURT				RIGHT	
District	CMP				
Common	CONC			SANITARY SEWER	
MARCINE PARIMORE PASSEMENT SP SHANDS AND FEET	СОН			SOIL BORING/BORE HOLE	
DIES DESCRIPTION SLAFT SOLURE FLET BB DOWNSTREMS ST STELL BRY BASERET STANS STOM SEVER COLUMN BIE ASSERT STANS STOM SEVER COLUMN BIE ASSERT STANS STANS STOM SEVER COLUMN BIE ASSERT STANS	DE			SPRINKLER HEAD	
December	DESC			SERVICE POLE	
Description	DIP		SQ. FT.	SQUARE FEET	
SEMENT	DS		ST	STREET	
ELD CAST DITCH SIM SE. STORM SETWER PAREMENT EL FLATION STA SILID N EXERT CLOSTING SWEST SQUITWESTERN BELL TELEPHONE FOR NO FIM ACODE NUMBER SYC SYC SYCHAMORE FINE COOR FINE CORNER TO N. I I ALLOW FINE COOR FINE CORNER TO N. I I ALLOW FINE COOR FINE CORNER TO N. I I I ALLOW FIRST DISCHARD STAFF MAR TO N. I I I ALLOW FIRST DISCHARD STAFF MAR TO N. I I I I ALLOW FIRST DISCHARD STAFF MAR TO N. I I I I I I I I I I I I I I I I I I	D/W		STL	STEEL	
EL ELEVATION	ESMT	EASEMENT	STM SWR	STORM SEWER	
MATTING MATT	E.D.	EAST DITCH	STM. S.E.	STORM SEWER EASEMENT	
TONO,	EL	ELEVATION	STA.	STATION	
FINE COOK	EXIST.	EXISTING	SWBT	SOUTHWESTERN BELL TELEPHONE	
Fire Fire Fire Fire Fire Fire Fire Fire	FC NO.	FILM CODE NUMBER	SYC	SYCAMORE	
THEM	FNC. COR.	FENCE CORNER	TAL	TALLOW	
FL HOW LINE TED TO BE DETERMINED FLOOD LAIN MANAGEMENT OFFICE TEMP TEMPORAPY FIND, FLOOD LAIN MANAGEMENT OFFICE TEMP TEMPORAPY FOUND TO C TOP OF CURB GN GAS METER UE UTILITY EARSEMENT GAS VAI VE UE UTILITY EARSEMENT HCDF HARRIS COUNTY CLERK FLE US UPSTREAM HCDR HARRIS COUNTY CLERK FLE US UPSTREAM HCDR HARRIS COUNTY MAP RECORDS W/ WITH HCDR HARRIS COUNTY MAP RECORDS W/ WITH HCDR HARRIS COUNTY MAP RECORDS W/ WATER UNE HCDR HARRIS COUNTY CLERK FLE W/ WATER UNE WATER UNE ASSEMBLY HCDR HARRIS COUNTY CLERK FLE W/ WATER UNE ASSEMBNT WATER WATER WETER HCDR HARRIS COUNTY CLERK FLE W/ WATER WATER WATER WATER WATER WETER HCDR HARRIS COUNTY CLERK FLE W/ WATER W	F.H.	FIRE HYDRANT	TR	TREE	
FIND PLOODPLAIN MANAGEMENT OFFICE TEMP TEMPORARY FIND FOUND TOC TOP OF CURB GM GAS METER TYP. TYPICAL GAS WALVE UE UTILITY EARENTT HICCOR HARRIS COUNTY DEED RECORDS VOI VOLUME HOURS HARRIS COUNTY DEED RECORDS WW WITH HOURS HARRIS COUNTY DEED RECORDS WW WITH HOURS HARRIS COUNTY DEED RECORDS WW WEST DITCH HOUR HARRIS COUNTY DEED RECORDS WW WITH HOUR HARRIS COUNTY DEED RECORDS WW WEST DITCH HOUR WATER LINE HOW WATER LINE HOW WATER LINE HOW WATER LINE HOW WATER LINE ASSEMBLY HOW HOUR PRESSURE GAS MAIN WSEL WATER LINE REASEMBLY HOW HOUR PRESSURE GAS MAIN WSEL WATER SURFACE ELEVATION LEVEL HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR	FIRM	FLOOD INSURANCE RATE MAP	TMB	TEMPORARY BENCHMARK	
FIND	FL.		TBD	TO BE DETERMINED	
FIND. POUND FOUND TOC TOP OF CURB MM GS METER TYP. TYPICAL GOV GAS VALVE UE UTILITY EASEMENT HORDE HARRIS COUNTY CLERK FILE US UPSTREAM HORDE HARRIS COUNTY DEED RECORDS WW MITH HORDE HARRIS COUNTY MAP RECORDS WW MITH HORDE COUNT FLOED CONTROL DISTRICT WL WASTER LINE HORDE HARRIS COUNTY CLERK FILE NO HARRIS COUNTY CLERK FILE NO HICH PRESSURE GAS MAIN WEST DITCH HICH PRESSURE GAS MAIN WASTER INE EASEMENT IRON PIPE R IRON ROD RR IRON R	FMO		TEMP	TEMPORARY	
Marie	FND.		TOC	TOP OF CURB	
GOV GAS VALVE UE UE UTILITY EASEMENT US UPSTREAM VOIL UPST	GM		TYP.		
HACF HARRIS COUNTY CLERK FILE US VOLUME HARRIS COUNTY DEED RECORDS VO WITH HOCF HARRIS COUNTY DEED RECORDS W WITH HOCF MARRIS COUNTY DEED RECORDS W W. D. WEST DITCH WEST DITCH WATER LINE HOCK MARRIS COUNTY DEED RECORDS W W. D. WEST DITCH WATER LINE HOCK MARRIS COUNTY DEED RECORDS W W. D. WEST DITCH WATER LINE EASEMENT HOCK MARRIS COUNTY DEED RECORDS W W. WATER SURFACE ELEVATION LEVEL WATER SURFACE ELEVATION LEVEL WATER VALVE CITY OF HOUSTON HOUSE ON FROM WEST DEED RECORDS W W. WATER VALVE CITY OF HOUSTON HOUSE ON FROM WEST DEED RECORDS W. W. WATER VALVE CONTROLLED W W. W. WATER VALVE CHIP FOLE MARK LEET MAXIMUM MAN MAN DEED RECORDS W W. W	GV		UE		THIS DOCUMENT IS
HODE HARRIS COUNTY DEED RECORDS W WITH HORM HARRIS COUNTY TOED RECORDS W WITH HOF DE HARRIS COUNTY DEED RECORDS W WITH HORD HARRIS COUNTY CLERK FILE NO. HORD HARRIS COUNTY CLERK FILE NO. WE WATER LINE EASEMENT HORD HIGH PRESSURE GAS MAIN W WATER HARRIS EASEMENT RE IRON PIPE IR IRON PIPE IR IRON ROD IR IRON R	HCCF		US		RELEASED FOR THE
HOME HORD HARRIS COUNTY MAP RECORDS WD D WEST DITCH HOFDO HARRIS COUNTY MAP RECORDS WD WEST DITCH HOFDO HARRIS COUNTY MAP RECORDS WD WEST DITCH HORD HORD HORD HORD HORD HORD HORD HOR	HCDR		VOL		REVIEW, MARK-UP,
HACFOD HARD COUNT FLOOD CONTROL DISTRICT HACF NO. WLE WATER LINE EASEMENT HACF MY HARD COUNT FLOOD CONTROL DISTRICT HACF NO. WLE WATER LINE EASEMENT HACF NO. WLE WATER LINE EASEMENT HACF NO. WLE WATER LINE EASEMENT HIGH PRESSURE GAS MAIN WS LE IRON PIPE IR IRON PIPE IR IRON ROD IR IRRIGATION LINE LIT LIGHT POLE LIT LIGHT POLE MAX LEFT MAXIMUM MMH MANHOLE MIN MINIMUM NA NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM NAN NO TAPPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM NAG NATIDAAL GROUND NATIONAL GEOLOGICAL SURVEY N. NAIL CITY OF HOUSTON HARD COUNT MARTEN CAN VERTICAL DATUM N. NAIL N. NAIL N. NAIL N. NAIL ANAICH CITY OF HOUSTON HARD COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON HARD COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON HARD COUNT MARTEN CAN VERTICAL DATUM N. NAIL N. NAIL CITY OF HOUSTON HARD COUNT MARTEN CAN VERTICAL DATUM N. NAIL N. NAIL CITY OF HOUSTON AND COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CAN VERTICAL DATUM N. NAIL CITY OF HOUSTON PINICE COUNT MARTEN CA	HCMR		W/		6161 SAVOY DRIVE AUTHORITY OF
HACE NO. HARD COUNTY CLERK FILE NO. WLE WATER LINE HOLD WEE WATER LINE HOLD WATER LINE ARRING COUNTY CLERK FILE NO. WE WATER LINE ARRING COUNTY CLERK FILE NO. WE WATER LINE ASSEMBLY. HPG M HIGH PRESSURE GAS MAIN WSEL WATER SURFACE ELEVATION LEVEL IRR IRON PIPE IRR IRON ROD LUSTRO ROD LUSTRO ROD LUSTRO ROD LUSTRO ROD LUSTRO ROD COH GRP CONVERSION WL RE ANAHOLE MAX LEFT MAXIMUM MH MANHOLE MINIMUM NA NO TAPPLICABLE NAVD NOTH AMBRICAN VERTICAL DATUM N.G. NATURAL GROUND N.G. N	HCFCD		W.D.		HOUSTON TEXAS 77036 LICENSE NO. 88719
HYDRAULIC GRADIENT LINE WATER METER PHIGH PRESSURE GAS MAIN WSEL WATER SURFACE ELEVATION LEVEL RICON PIPE RICON RICON PIPE RICON ROD RICON	HCCF NO.		WL		(P) 281-272-1612 DATED 9/29/2025. IT IS (E) 281 272 1612 NOT TO BE USED FOR
HYDRAULIC GRADIENT LINE HIGH PRESSURE GAS MAIN RESURE RESU	HGL		WLE		FIRM REG. F-2488 CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
HIGH PRESSURE GAS MAIN WSEL WATER SURFACE ELEVATION LEVEL WU WATER VALVE WATER VALVE HOUST ON PIBLIC WORKS	HP GM		WM		
RR IRON PIPE WV WATERVALVE RR IRON ROD RR IRON ROD RRIGATION LINE LIGHT POLE LIGHT POLE MAX LEFT MAXIMUM MAHHOLE MINIMUM NA NOT APPLICABLE NOR ON ORTH AMERICAN VERTICAL DATUM NAC NATURAL GROUND NAS NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY NL NAL NO NUMBER NO NO SCALE NO TO SCALE NO TO SCALE MOS ON TO SCALE NOT ON SCALE NOT ON SCALE MOS ON STANDARD SCALE HOUSTON PUBLIC VOORS NATER VALVE NATURAL CROUND HOUSTON PUBLIC VOORS NATURAL CROUND HOUSTON PUBLIC VOORS NATURAL CROUND HOUSTON PUBLIC VOORS NATURAL GROUND MAS NUMBER PRECTIVE PHOUSTON USE DINN AS NOTED CITY OF HOUSTON PM TO SCALE HOUSTON PUBLIC VOORS NATURAL CROUND HOUSTON PUBLIC VOORS NATURAL CROUND HOUSTON PUBLIC VOORS NEED VALVE NEED VOORS NEED VALVE NEED V	IP		WSEL		CITY OF HOUSTON
IRR IRON ROD LP IRRIGATION LINE LT LIGHT POLE MAX LEFT MAXIMUM MH MANHOLE MIN MINIMUM MIN MINIMUM NO NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM N.G. NATURAL GROUND N.G. NATURAL GROUND N.G. NATURAL GROUND N.G. NATIONAL GEOLOGICAL SURVEY N.D. NATURAL GROUND N.D	IR	IRON PIPE	WV		HOUSTON PUBLIC WORKS
LIT LIGHT POLE MAX LEFT MAXIMUM MH MANHOLE MIN MINIMUM MON APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM N.G. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY NOL NAIL NOL NUMBER NOL NUMBER NOL NUMBER NOL NUMBER NOL NUMBER NOL NUMBER NOL NOL NUMBER NOL NOL NUMBER NOL NOL NUMBER NOL NOL NOL OSCALE NOL NOL OSCALE NOL TO SCALE LIGHT POLE ABBREVIATIONS ABBREVIATIONS LIGHT POLE ABBREVIATIONS ABBREVIATI	IRR	IRON ROD			COH GRP CONVERSION WL
LEFT MAXIMUM MAX	LP	IRRIGATION LINE			NE AREA GROUP B
MH MANHOLE MIN MINIMUM NA NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM NG. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY NL NAIL NO. NUMBER NTS NOT TO SCALE MES NUMBER CITY OF HOUSTON USE ONLY CITY OF HOUSTON USE ON	LT	LIGHT POLE			
MIN MINIMUM N/A NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM N.G. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY N.L NAIL N.O. NUMBER N.O. NUMBER N.O. NOT TO SCALE NOT TO SCALE ABBREVIATIONS	MAX	LEFT MAXIMUM			
N/A NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM N.G. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY N.L NAIL NO. NUMBER NO. NUMBER NOT TO SCALE NOT TO SCALE ABBREVIATIONS	MH	MANHOLE			
N/A NOT APPLICABLE NAVD NORTH AMERICAN VERTICAL DATUM N.G. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY NL NAIL NO. NUMBER NOT TO SCALE ABBREVIATIONS ABBREVIATIONS ABBREVIATIONS MBS NUMBER FOR CITY OF HOUSTON USE ONLY FOR CITY OF HOUSTON USE ONLY ABBREVIATIONS MBS NUMBER FOR CITY OF HOUSTON USE ONLY FOR CITY OF HOUSTON USE ONLY AS NOTED CITY OF HOUSTON PM	MIN	MINIMUM			
NAVD NORTH AMERICAN VERTICAL DATUM N.G. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY NL NAIL NO. NUMBER NTS NOT TO SCALE	N/A	NOT APPLICABLE			ABBREVIATIONS
N.G. NATURAL GROUND NGS NATIONAL GEOLOGICAL SURVEY NL NAIL NO. NUMBER NOT TO SCALE NOT TO SCALE NOTITY OF HOUSTON USE ONLY FOR CITY OF HOUSTON USE ONLY S-00900-0305-3 DRAWING SCALE CITY OF HOUSTON PM	NAVD				
NGS NATIONAL GEOLOGICAL SURVEY S-00900-0305-3 NL NAIL NO. NUMBER NTS NOT TO SCALE CITY OF HOUSTON PM	N.G.				
NL NAIL NO. NUMBER NTS NOT TO SCALE CITY OF HOUSTON PM	NGS				WBS NUMBER FOR CITY OF HOUSTON USE ONLY
NO. NUMBER NTS NOT TO SCALE CITY OF HOUSTON PM	NL				S-00900-0305-3
NTS NOT TO SCALE AS NOTED CITY OF HOUSTON PM	NO.				DRAWING SCALE
CITY OF HOUSTON PM	NTS				AS NOTED
· · · · · · · · · · · · · · · · · · ·					ANH BOYD

SHEET NO. 4 **OF** 33

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: <u>UNDERGROUND</u> 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
- -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.

<u>activities on/or across centerpoint energy fee or</u> 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: <u>UNDERGROUND</u> <u>ELECTRICAL</u> <u>UTILITIES:</u>

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):

- 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 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 SWEPT BACK INTO THE EXCAVATED AREA.
- 4. PRIOR TO REMOVAL OR EROSION CONTROL DEVICES, ALL DISTURBED AREAS ARE TO BE PROPERLY STABILIZED USING HYDRO-MULCH SEED, 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 UNOBSTRUCTED 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 FORM 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 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.
- 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.

GRADING NOTES

- 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.
- 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.
- 7. 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 [GEOTECHNICAL ENGINEERING FIRM] REPORT NO. [NO. OF REPORT], DATED [DATE OF REPORT].
- 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.

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.

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

LICENSE NO. 88719 DATED 9/29/2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

TANITA GILBERT ALEXANDER

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

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

GENERAL NOTES

WBS NUMBER FOR CITY OF HOUSTON USE ONLY S-00900-0305-3

DRAWING SCALE

AS NOTED

CITY OF HOUSTON PM

ANH BOYD

SHEET NO. 5 **OF** 33

- 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" 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 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.

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 COMPLAINT 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 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.

NO. DATE REVISION

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.



(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 9/29/2025. IT IS

NOT TO BE USED FOR

CONSTRUCTION, BIDDING,

OR PERMIT PURPOSES

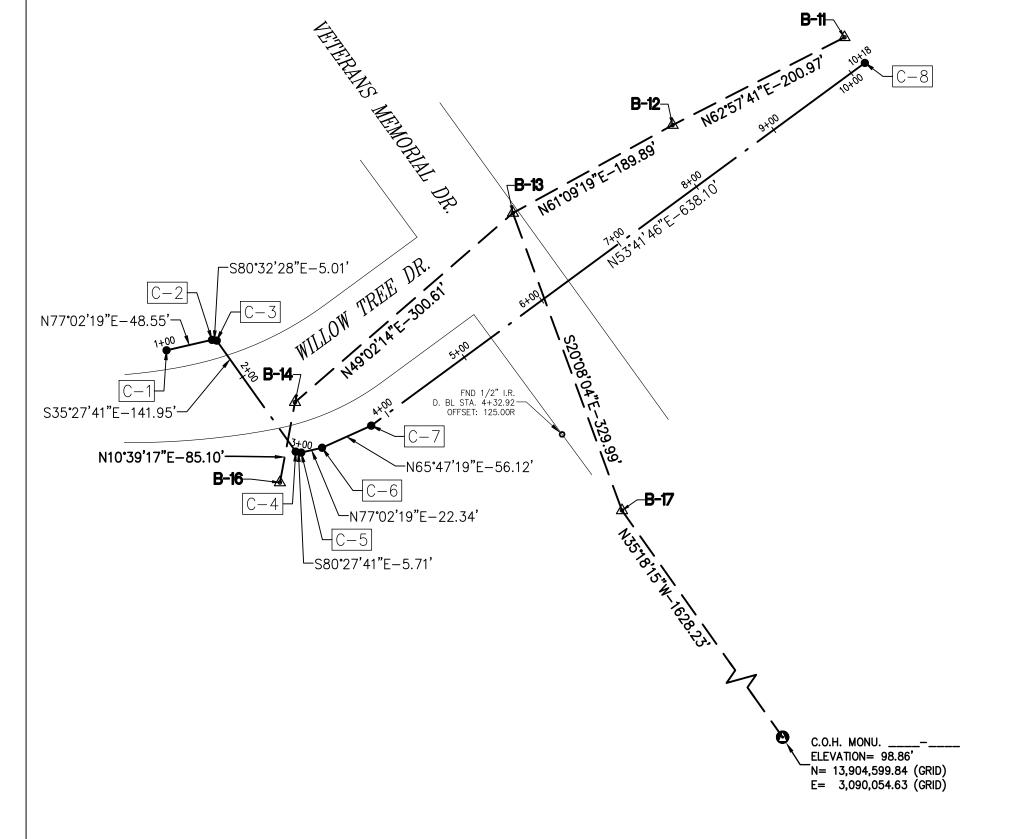
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

NE AREA GROUP B

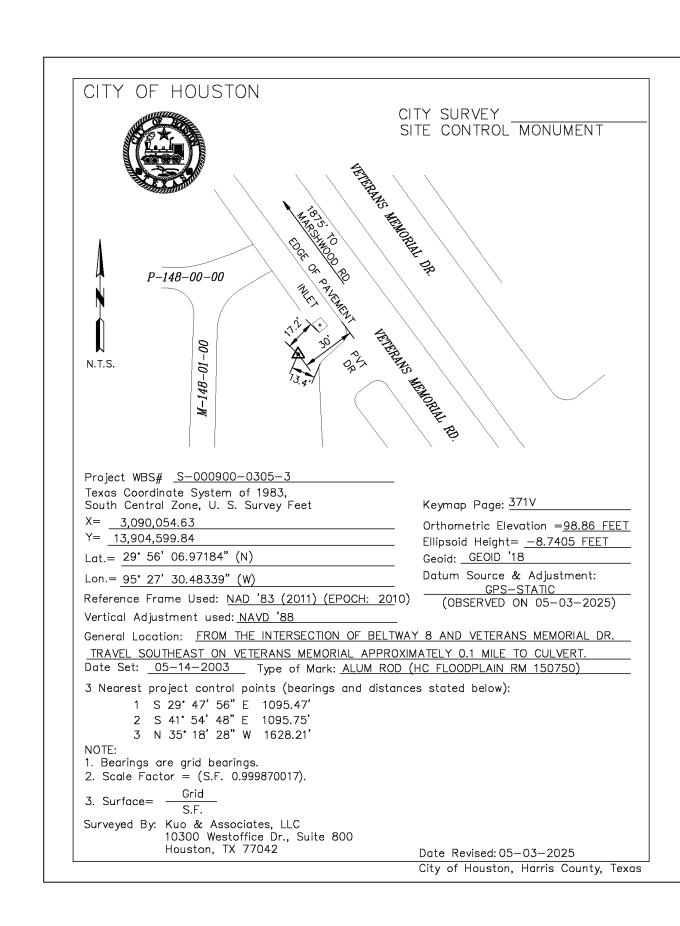
GENERAL NOTES (SHEET 2 OF 2)

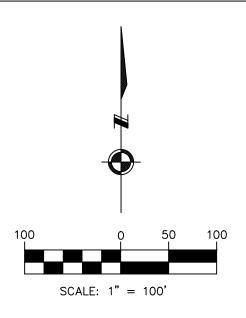
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 6 OF 33	
•	



		SURVEY BASE	LINE POINTS DA	ATA (TEMPORA	RY BENCH	MARK)		
POINT No.	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	ELEVATION	D. BL STA.	OFFSET	DESCRIPTION
B-11	13,908,229.02	3,089,747.10	13,906,421.18	3,089,345.49	100.44'	10+16.39	34.04L	SET 1/2" I.R. W/CAP
B-12	13,908,137.65	3,089,568.10	13,906,329.83	3,089,166.51	101.00'	8+18.03	66.40L	SETMAGNAIL W/SHINER
B-13	13,908,046.04	3,089,401.77	13,906,238.23	3,089,000.20	99.41'	6+29.75	91.05L	SET 'X' CUT ON CONC.
B-14	13,907,848.97	3,089,174.76	13,906,041.19	3,088,773.22	98.45'	2+53.15	29.19L	SET 1/2" I.R. W/CAP
B-16	13,907,765.33	3,089,159.03	13,905,957.56	3,088,757.49	108.07	2+95.50	36.14L	SET 1/2" I.R. W/CAP
B-17	13,907,736.22	3,089,515.36	13,905,928.45	3,089,113.77	98.56'	5+37.86	225.89R	SET 1/2" I.R. W/CAP

		DESIGN B	ASELINE POINTS [ATA	
POINT No.	D. BL STA.	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)
C-1	1+00.00	13,907,903.08	3,089,040.95	13,906,095.29	3,088,639.43
C-2	1+48.62	13,907,913.94	3,089,088.32	13,906,106.15	3,088,686.80
C-3	1+53.56	13,907,913.15	3,089,093.21	13,906,105.36	3,088,691.68
C-4	2+95.50	13,907,797.50	3,089,175.50	13,905,989.72	3,088,773.96
C-5	3+01.27	13,907,796.55	3,089,181.25	13,905,988.78	3,088,779.71
C-6	3+23.56	13,907,801.60	3,089,202.96	13,905,993.82	3,088,801.41
C-7	3+79.68	13,907,824.61	3,089,254.14	13,906,016.83	3,088,852.59
C-8	10+17.78	13,908,202.41	3,089,768.38	13,906,394.58	3,089,366.76





BENCHMARK:

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

ELEV. 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 IN BETWEEN THE FLOODPLAIN
REFERENCE MARK'S (RM 150750) PUBLISHED DATUM NAVD
1988, 2001 ADJUSTMENT AND DATUM NAVD 1988, (GEOID '18)

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

OTE:

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

DESIGN BASELINE POINT NUMBER

▲ SURVEY CONTROL POINT

DESIGN BASELINE POINTCITY OF HOUSTON MONUMENT

D. BL: DESIGN BASELINE ----

S. BL: SURVEY BASELINE — — —



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 UNDER THE
AUTHORITY OF

KUTUBUL A. M. MAINUDDIN, R.P.L.S.
TEXAS REG. NO.: 6404
ON 09/18/2025 IT IS NOT
TO BE USED FOR PERMIT,
BIDDING OR CONSTRUCTION

PURPOSES

SURVEYED BY: KUO & ASSOC. FB NO.

TBPLS Firm Registration No. 1007560

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

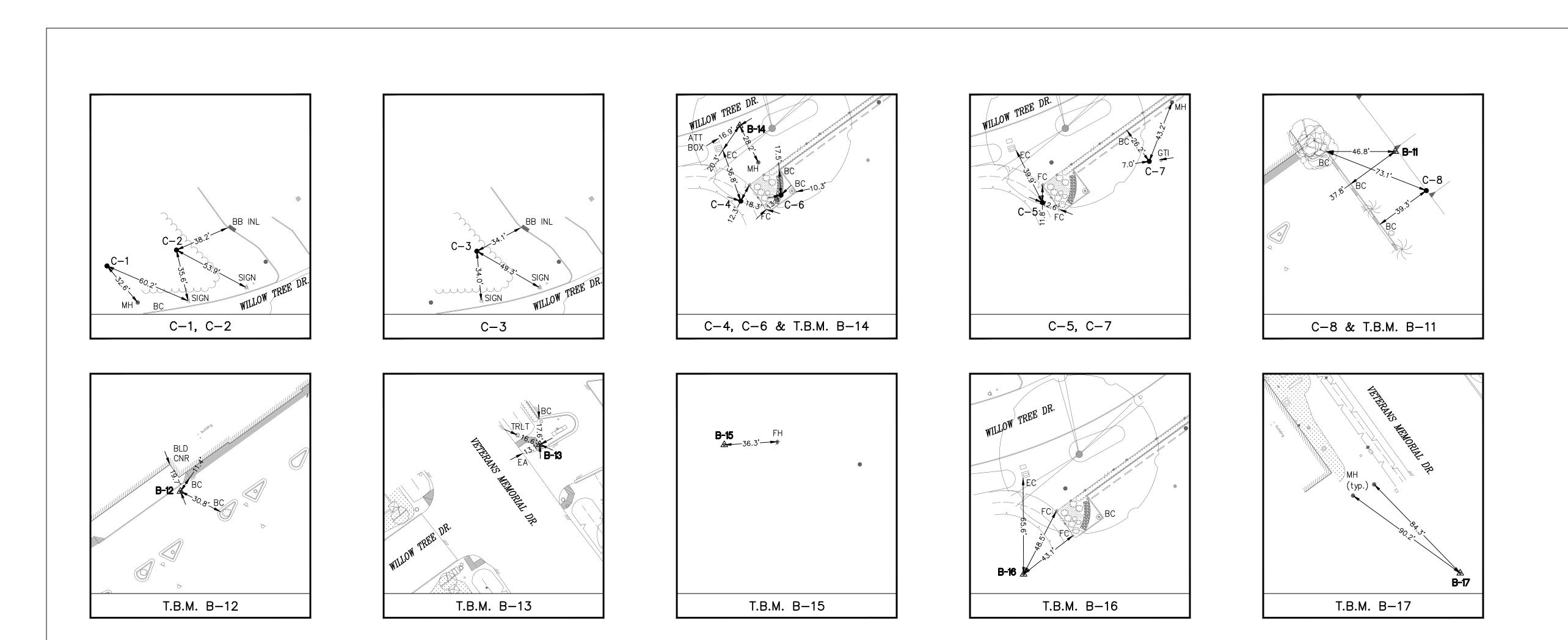
GROUND WATER REDUECTION PLAN

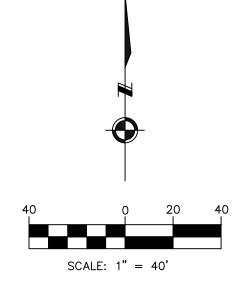
- CONVERSION WATER LINE

SITE 1

SURVEY CONTROL MAP (SHEET 1 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000900-0305-3	
DRAWING SCALE	
AS SHOWN	
CITY OF HOUSTON PM	
SHEET NO. OF	





EXIST. TOPOGRAPHIC LEGEND

ASPHALT SYMBOL

B OR BB INLET PLANTER

POWER POLE

POWER POLE W/LT. BUSH C INLET

SIGN SIGNAL POLE SPRINKER VALVE © CLEANOUT \in DOWN GUY

SPRINKLER HEAD
STREET LIGHT/FLOOD LIGHT
STREET LIGHT/PARKING LIGHT E INLET ELEC MANHOLE TREE
TREE STUMP
TREE—CREPE MYRTLE → FIRE HYDRANT

GAS METER ∅ GAS VALVE TREE-PINE GATE

GRATE INLET WATER METERWATER VALVE

⊕ GRATE INLET □ MAIL BOX ● STORM MANHOLE

SANITARY MANHOLE

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



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 UNDER THE
AUTHORITY OF KUTUBUL A. M. MAINUDDIN, R.P.L.S. TEXAS REG. NO.: 6404 ON 09/18/2025 IT IS NOT TO BE USED FOR PERMIT, BIDDING OR CONSTRUCTION PURPOSES

SURVEYED BY: KUO & ASSOC. FB NO.

TBPE Firm Registration No. F-4578 TBPLS Firm Registration No. 1007560

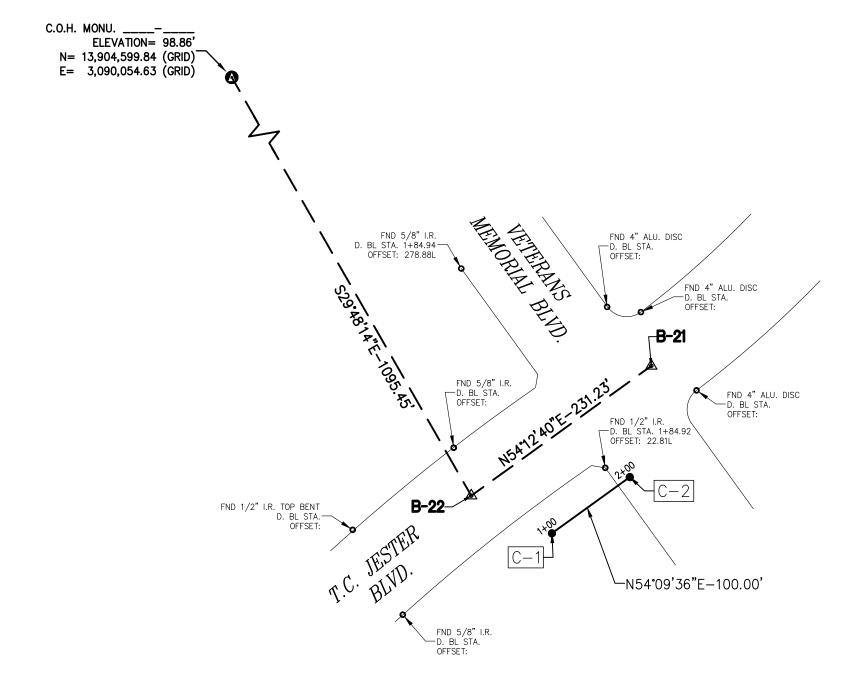
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

GROUND WATER REDUECTION PLAN - CONVERSION WATER LINE SITE 1

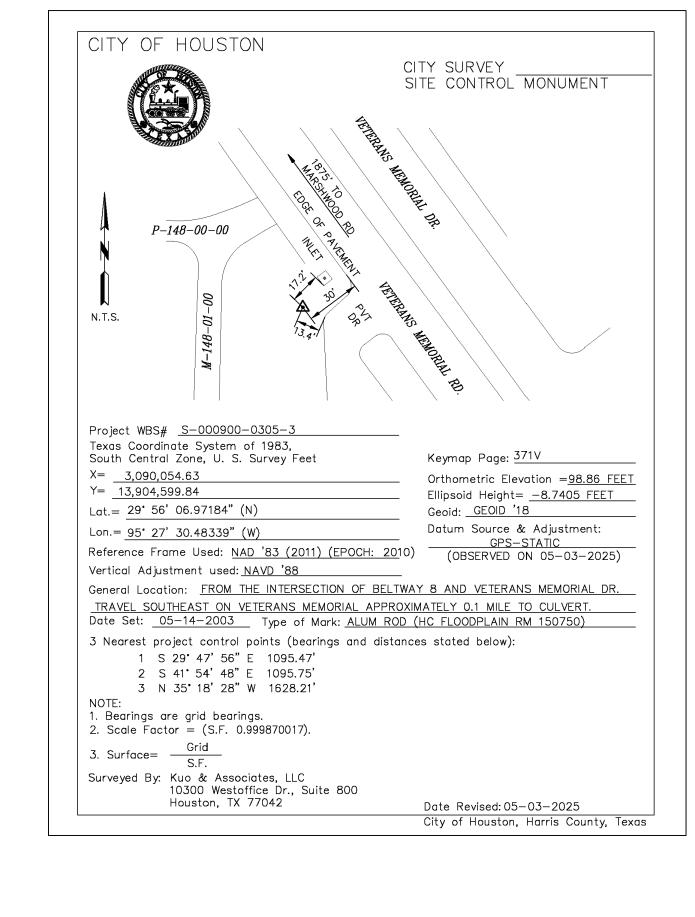
SURVEY CONTROL MAP (SHEET 2 OF 2)

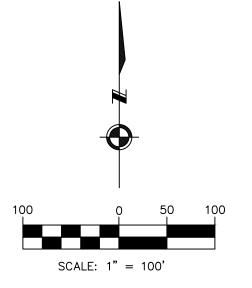
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000900-0305-3	
DRAWING SCALE	
1" = 40'	
CITY OF HOUSTON PM	
_	
SHEET NO. OF	



		SURVEY BASE	LINE POINTS DA	TA (TEMPORAI	RY BENCH	MARK)		
POINT No.	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)	ELEVATION	D. BL STA.	OFFSET	DESCRIPTION
B-21	13,905,592.10	3,091,188.37	13,903,784.61	3,090,786.57	97.06'	ı	-	SET 'X' CUT ON CONC.
B-22	13,905,456.88	3,091,000.81	13,903,649.41	3,090,599.03	96.93'	_	_	SET 1/2" I.R. W/CAP

		DESIGN BA	ASELINE POINTS D	ATA	
POINT No.	D. BL STA.	NORTHING (SURFACE)	EASTING (SURFACE)	NORTHING (GRID)	EASTING (GRID)
C-1	1+00.00	13,905,417.71	3,091,084.85	13,903,610.24	3,090,683.06
C-2	2+00.00	13,905,476.26	3,091,165.92	13,903,668.79	3,090,764.12





BENCHMARK:

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

ELEV. 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 IN BETWEEN THE FLOODPLAIN REFERENCE MARK'S (RM 150750) PUBLISHED DATUM NAVD 1988, 2001 ADJUSTMENT AND DATUM NAVD 1988, (GEOID '18)

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

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.

<u>LEGEND:</u>

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 — — —

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 UNDER THE AUTHORITY OF KUTUBUL A. M. MAINUDDIN, R.P.L.S.

TEXAS REG. NO.: 6404 ON 09/18/2025 IT IS NOT TO BÉ UŚED FOR PERMIT, BIDDING OR CONSTRUCTION PURPOSES

SURVEYED BY: KUO & ASSOC. FB NO.

TBPE Firm Registration No. F-4578

TBPLS Firm Registration No. 1007560

HOUSTON

HOUSTON PUBLIC WORKS

GROUND WATER REDUECTION PLAN - CONVERSION WATER LINE SITE 2

SURVEY CONTROL MAP

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-000900-0305-3	
DRAWING SCALE	
AS SHOWN	
CITY OF HOUSTON PM	
SHEET NO. OF	



EXIST. TOPOGRAPHIC LEGEND

ASPHALT SYMBOL

B OR BB INLET

POWER POLE ⊕ BUSH ◆ POWER POLE W/LT. C INLET SIGN SIGNAL POLE CLEANOUT SPRINKER VALVE ← DOWN GUY SPRINKLER HEAD STREET LIGHT/FLOOD LIGHT E INLET STREET LIGHT/PARKING LIGHT ELEC MANHOLE TREE TREE STUMP ◆ FIRE HYDRANT GAS METER TREE-CREPE MYRTLE

** TREE-PINE Ø GAS VALVE

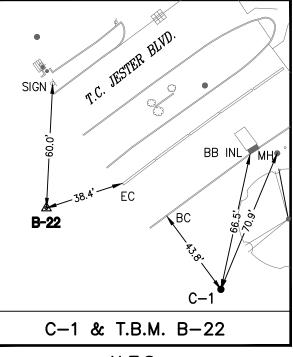
→ GATE

⊞ GRATE INLET WATER METER ✓ WATER VALVE ⊕ GRATE INLET MAIL BOX

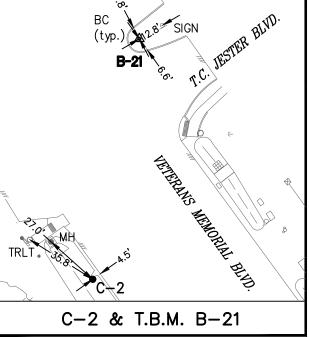
ABBREVIATIONS

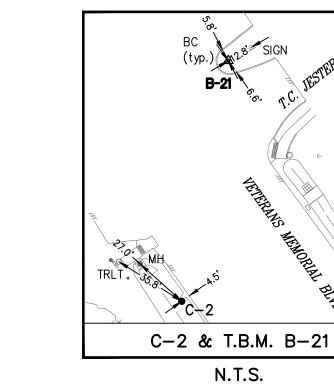
STORM MANHOLE SANITARY MANHOLE

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



N.T.S.





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.

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.

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

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

WBS NUMBER

SHEET NO. 10 OF 33

THIS DOCUMENT IS HIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF INTERIM
REVIEW, MARK-UP,
DRAFTING UNDER THE
AUTHORITY OF
TANITA CILEBERT ALEXANDER
LICENSE NO. 88719

DATED 9/29/2025. IT IS
NOT TO BE USED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES CITY OF HOUSTON

FOR CITY OF HOUSTON USE ONLY

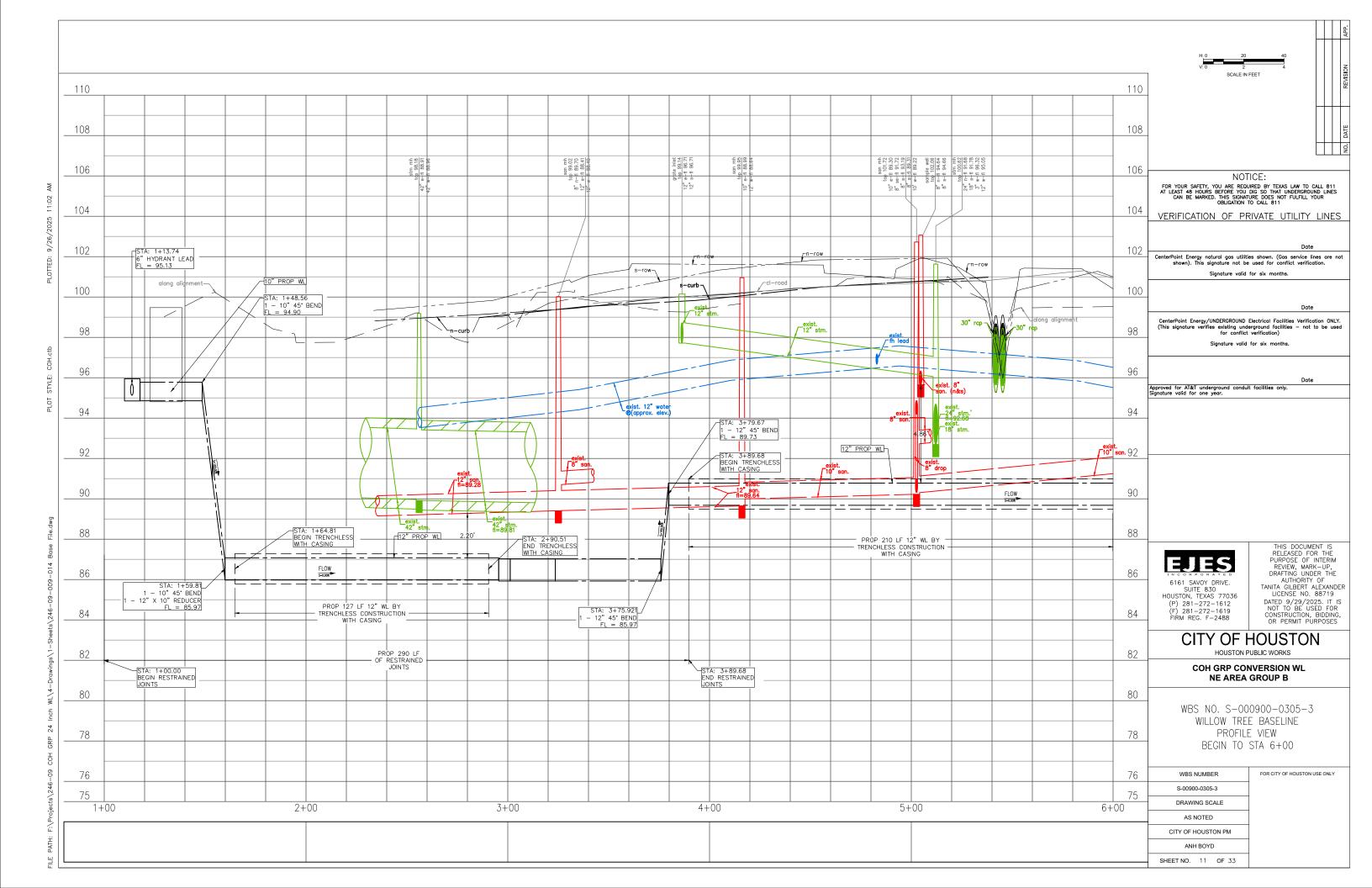
HOUSTON PUBLIC WORKS

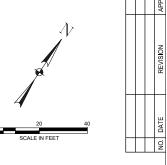
COH GRP CONVERSION WL

NE AREA GROUP B

WBS NO. S-000900-0305-3 WILLOW TREE BASELINE PLAN VIEW BEGIN TO STA 6+00

S-00900-0305-3
DRAWING SCALE
AS NOTED
CITY OF HOUSTON PM
ANH BOYD





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.

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.

6161 SAVOY DRIVE. SUITE 830 HOUSTON, TEXAS 77036

(P) 281-272-1612 (F) 281-272-1619 FIRM REG. F-2488

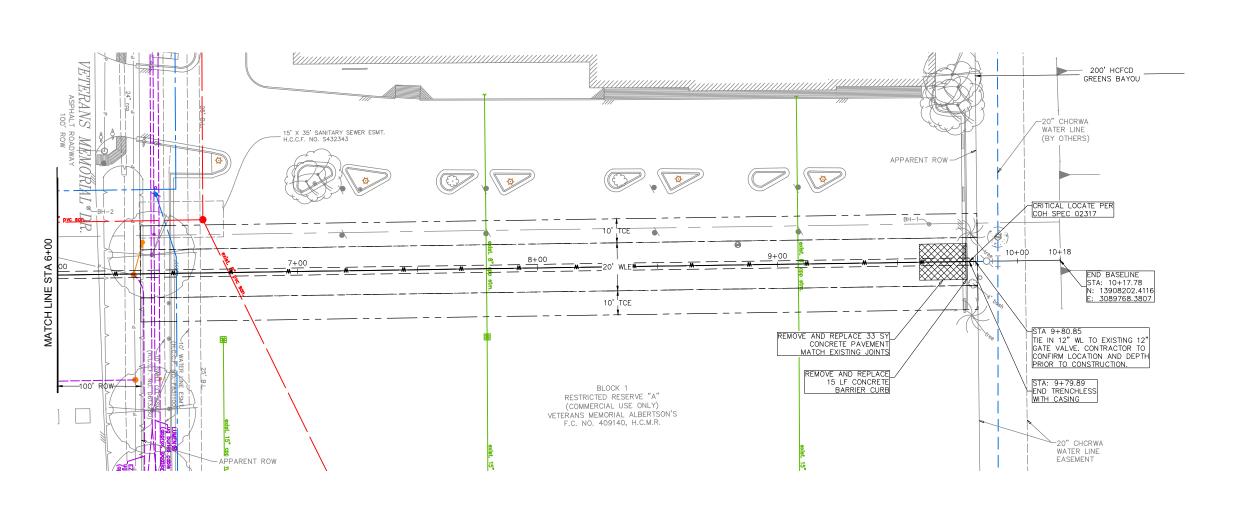
THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF INTERIM
REVIEW, MARK-UP,
DRAFTING UNDER THE
AUTHORITY OF
TANITA GILBERT ALEXANDER
LICENSE NO. 88719
DATED 9/29/2025. IT IS
NOT TO BE USED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES

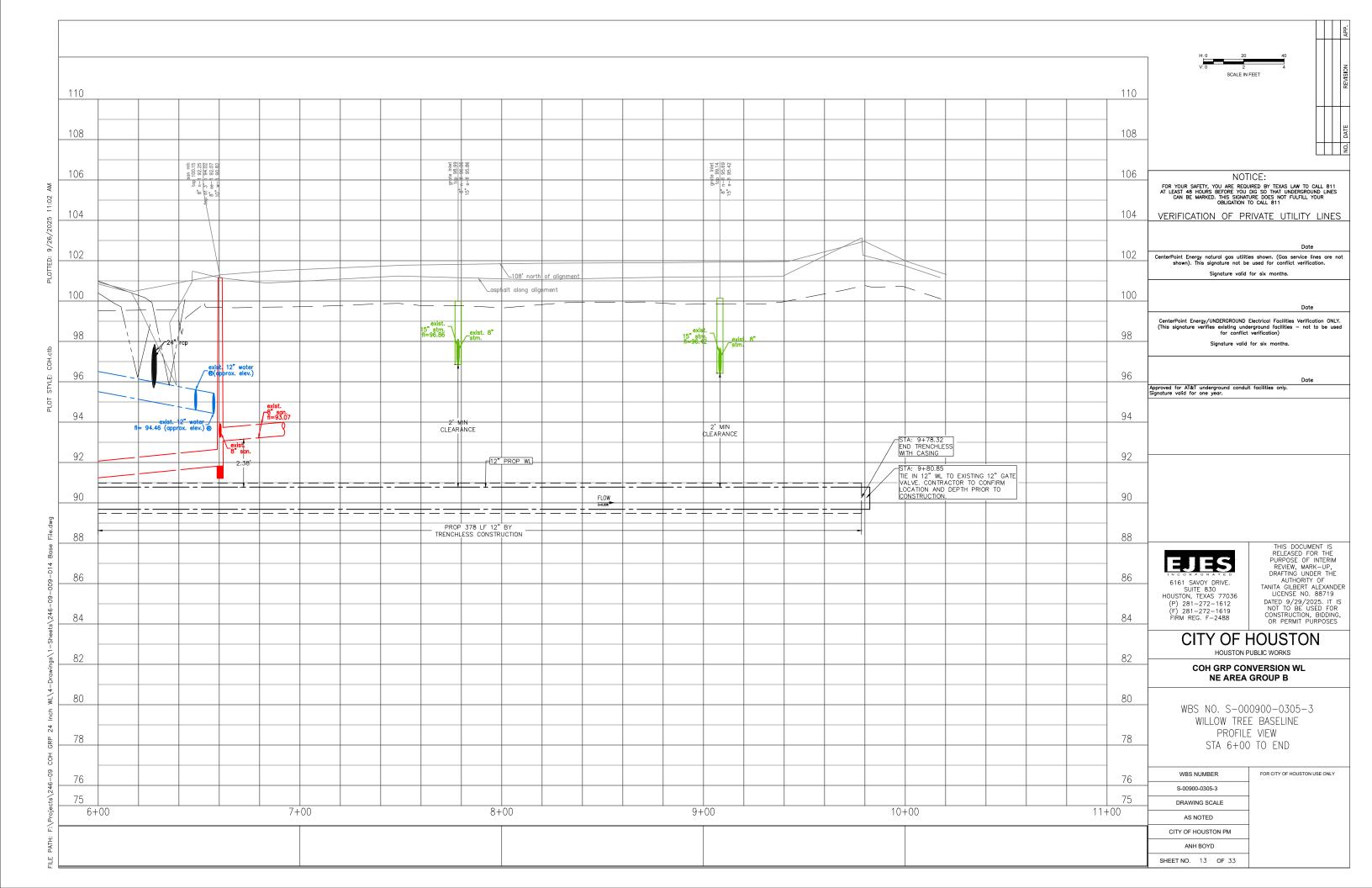
CITY OF HOUSTON HOUSTON PUBLIC WORKS

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

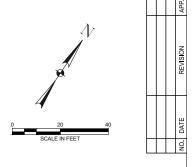
WBS NO. S-000900-0305-3 WILLOW TREE BASELINE PLAN VIEW STA 6+00 TO END

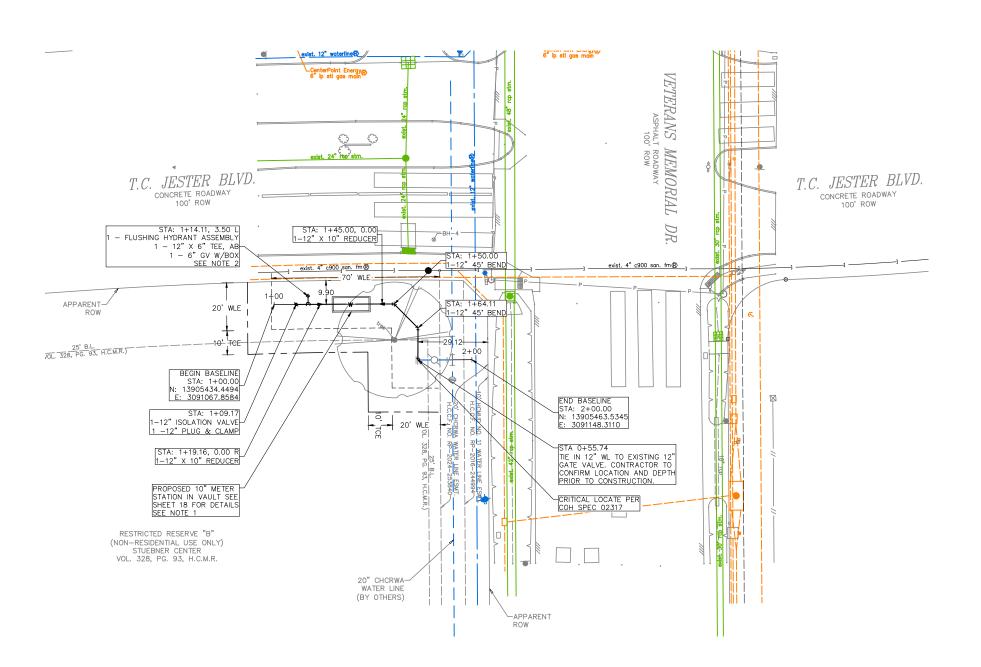
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 12 OF 33	





- NOTES:
 1. PROVIDE SIEMENS SITRANS FM
 MAG 8000. SEE DETAIL SHEETS 18
 AND XX FOR VAULT ASSEMBLY
 DETAILS
 2. FLUSHING HYDRANT TO BE 6",
 (MAKE, MODEL)





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.

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.

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



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 9/29/2025. IT IS
NOT TO BE USED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES

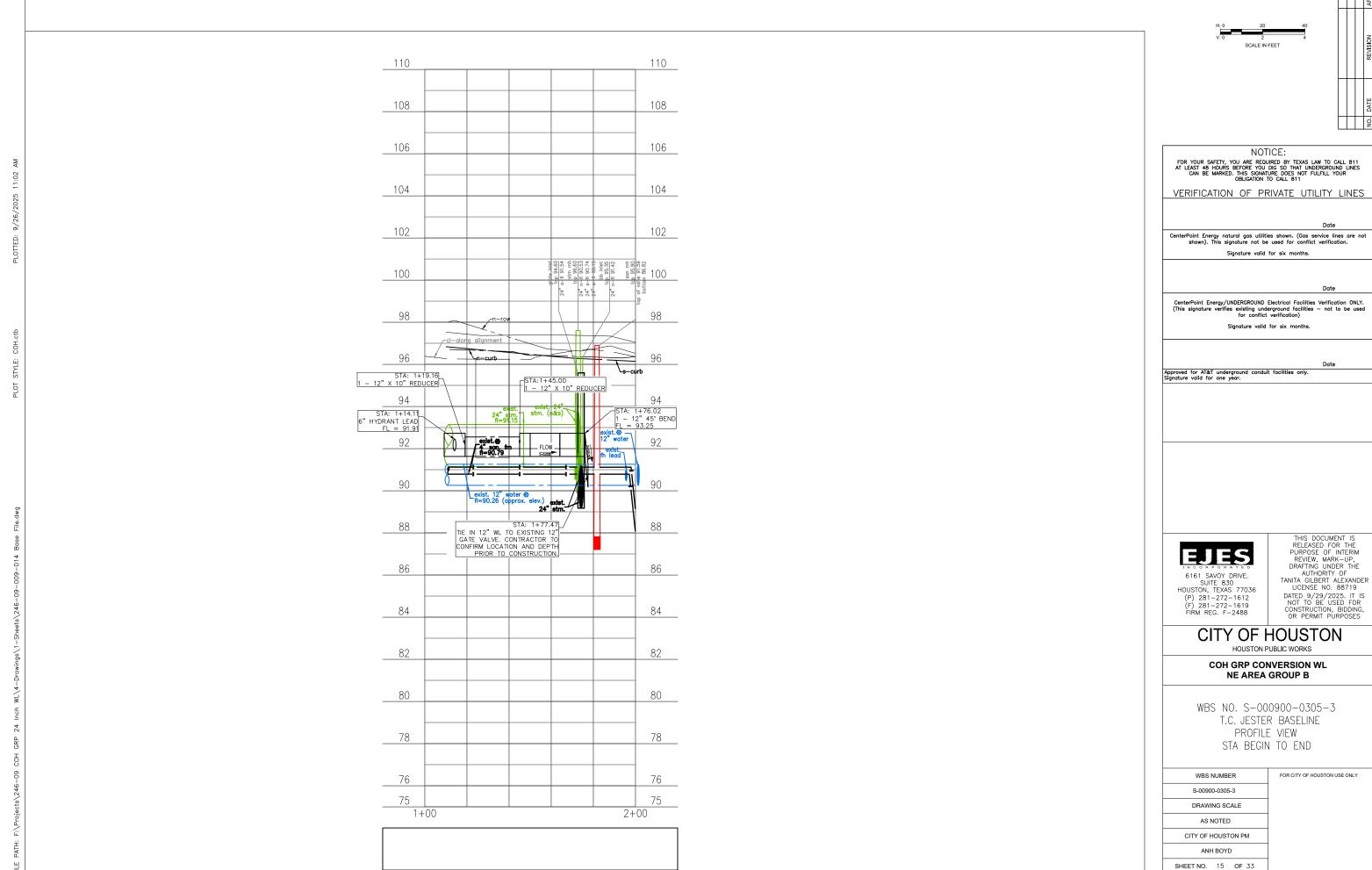
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

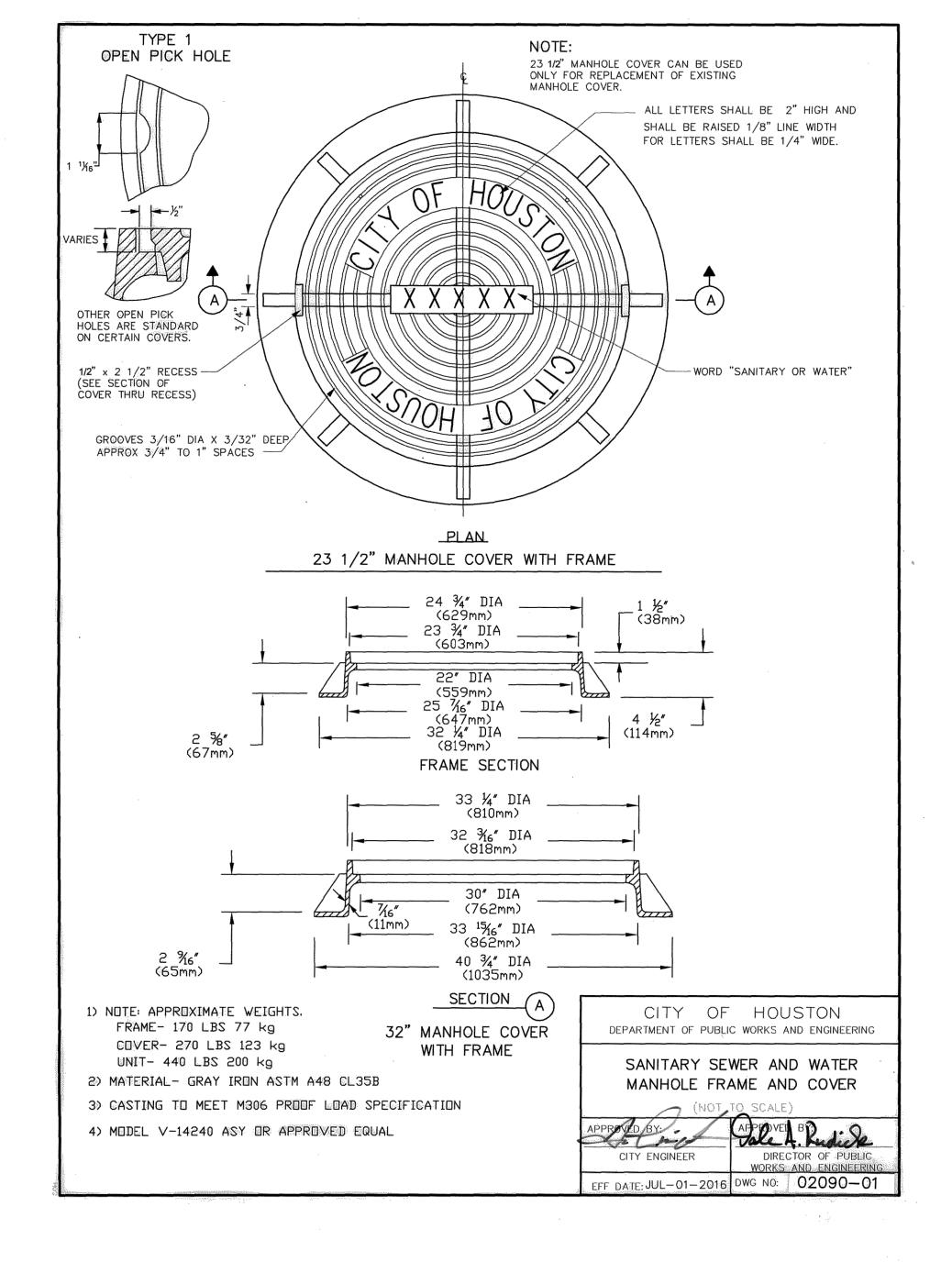
COH GRP CONVERSION WL **NE AREA GROUP B**

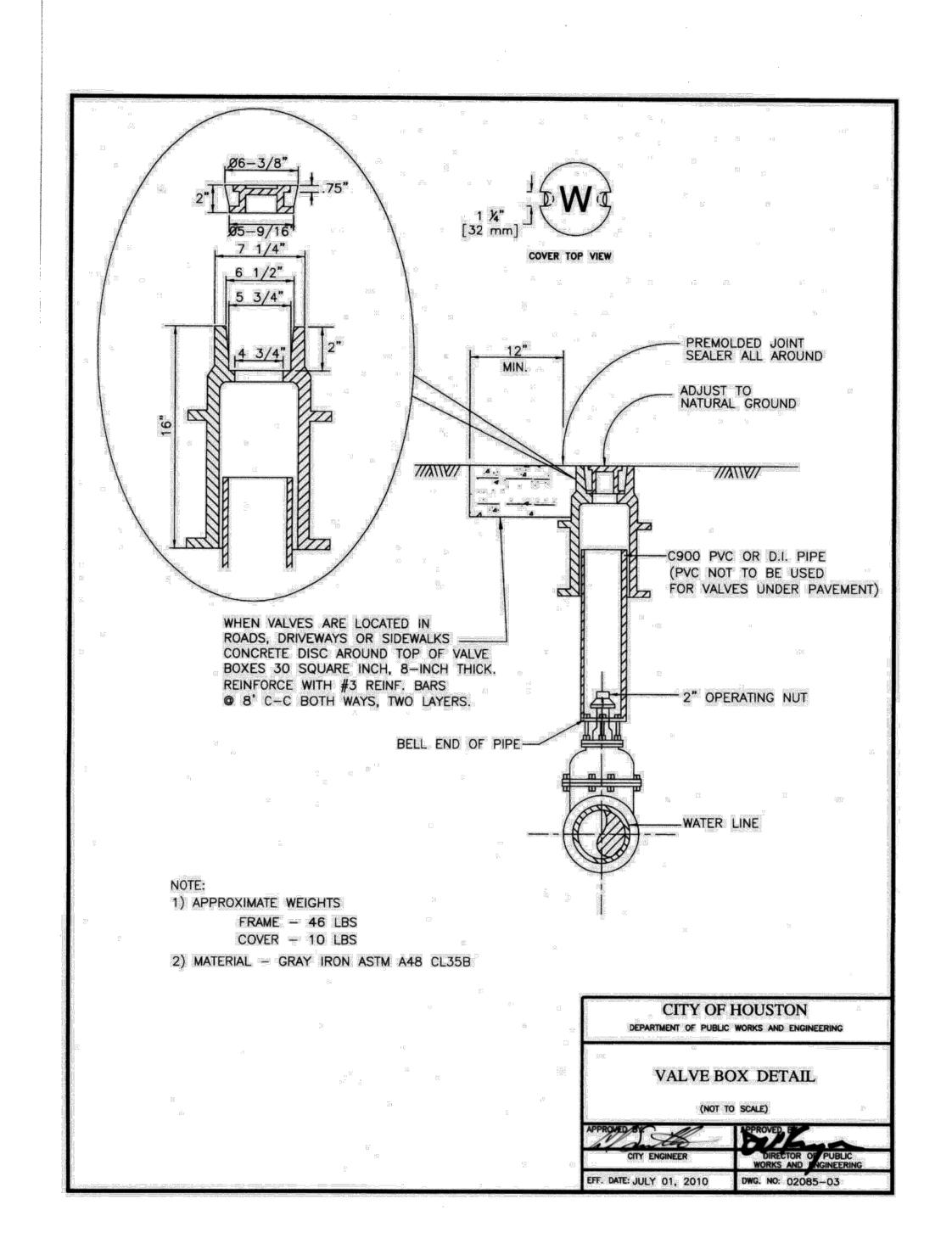
WBS NO. S-000900-0305-3 T.C. JESTER BASELINE PLAN VIEW STA BEGIN TO END

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 14 OF 33	









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.

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 9/29/2025. 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**

COH WATER DETAILS 1 OF 4

WBS NUMBER S-00900-0305-3 FOR CITY OF HOUSTON USE ONLY

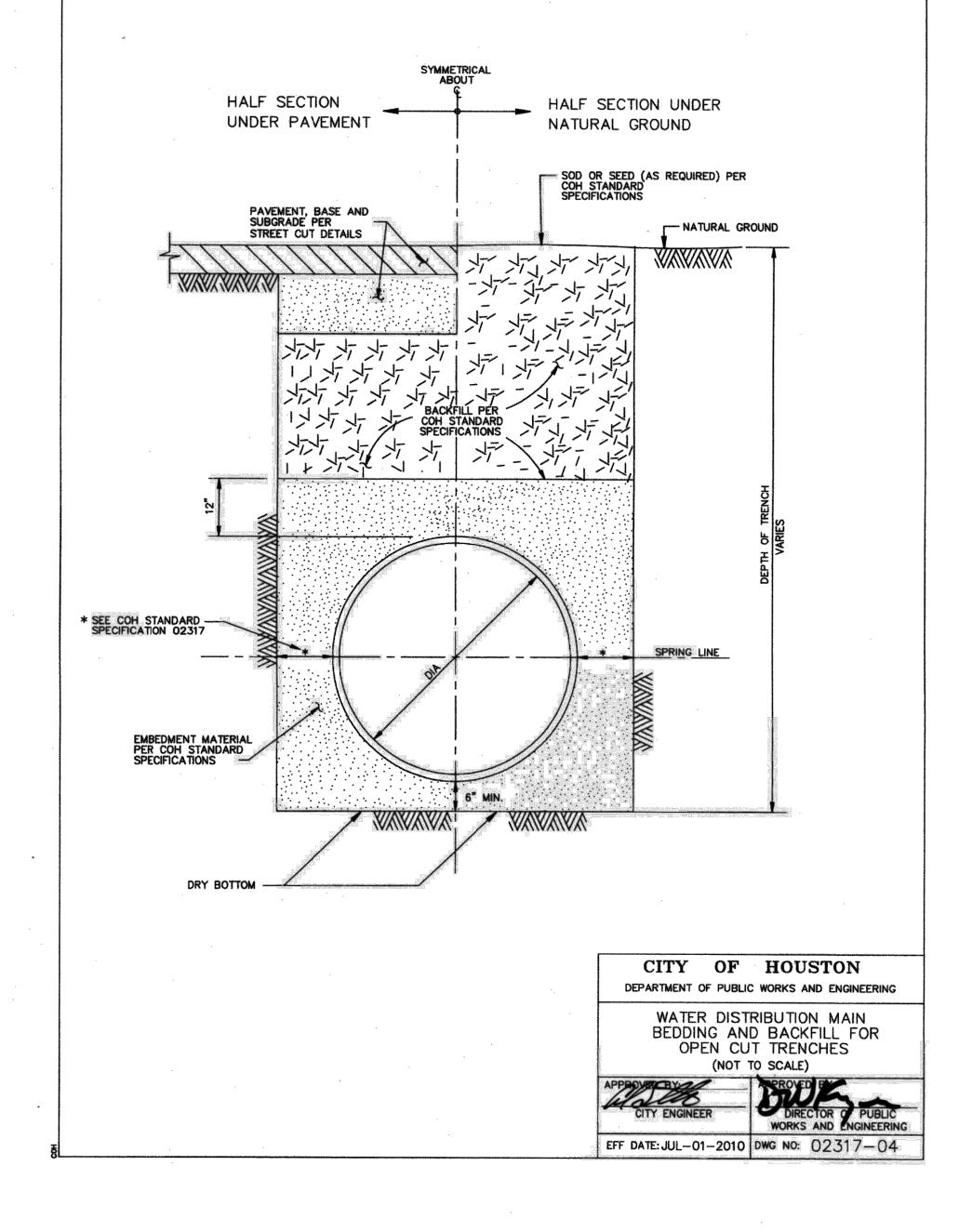
AS NOTED

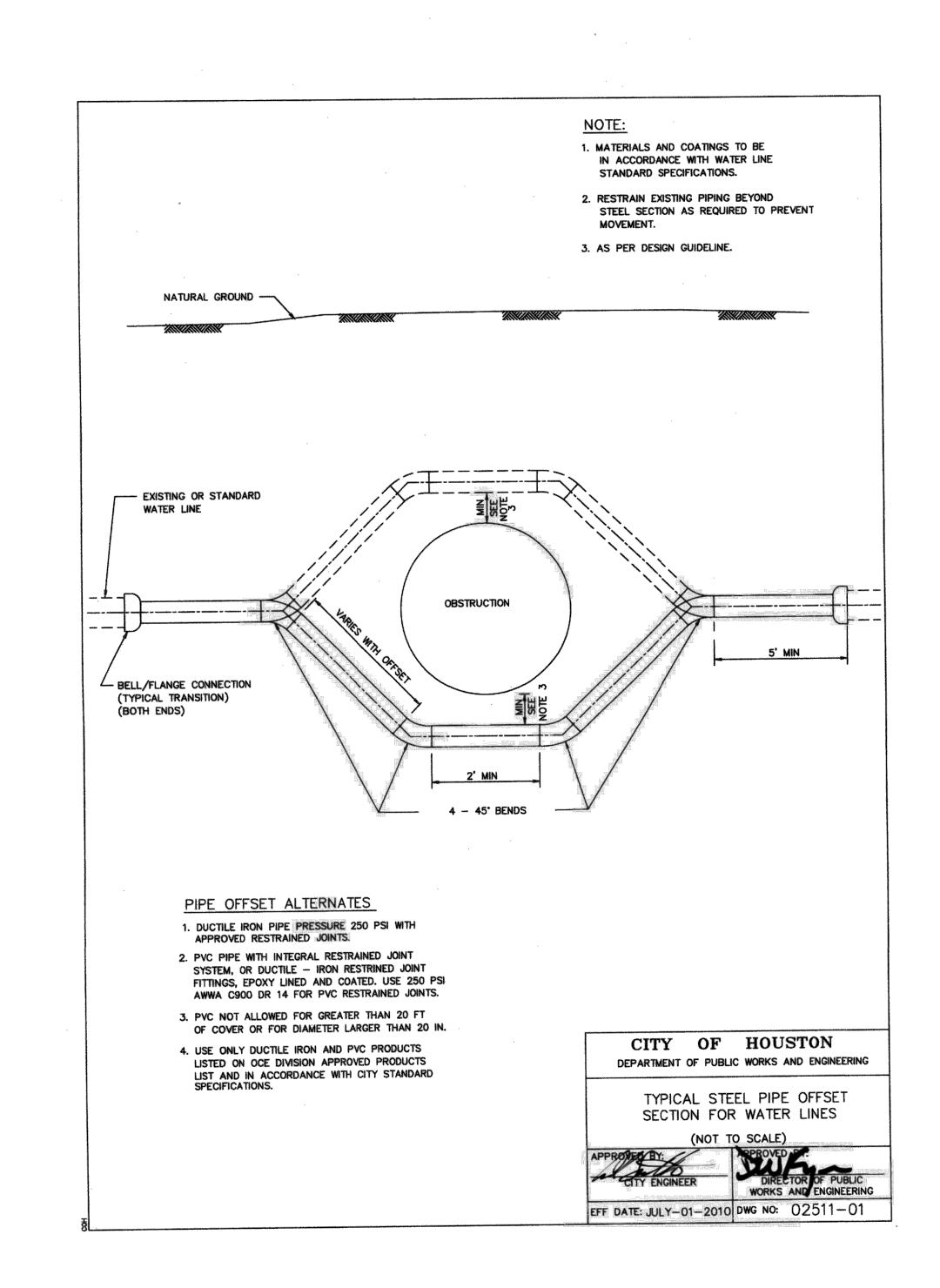
CITY OF HOUSTON PM

DRAWING SCALE

ANH BOYD

SHEET NO. 16 **OF** 33





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

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.

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.

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

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 9/29/2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

FOR CITY OF HOUSTON USE ONLY

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

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

COH WATER DETAILS 2 OF 4

WBS NUMBER

S-00900-0305-3

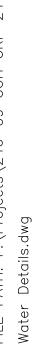
DRAWING SCALE

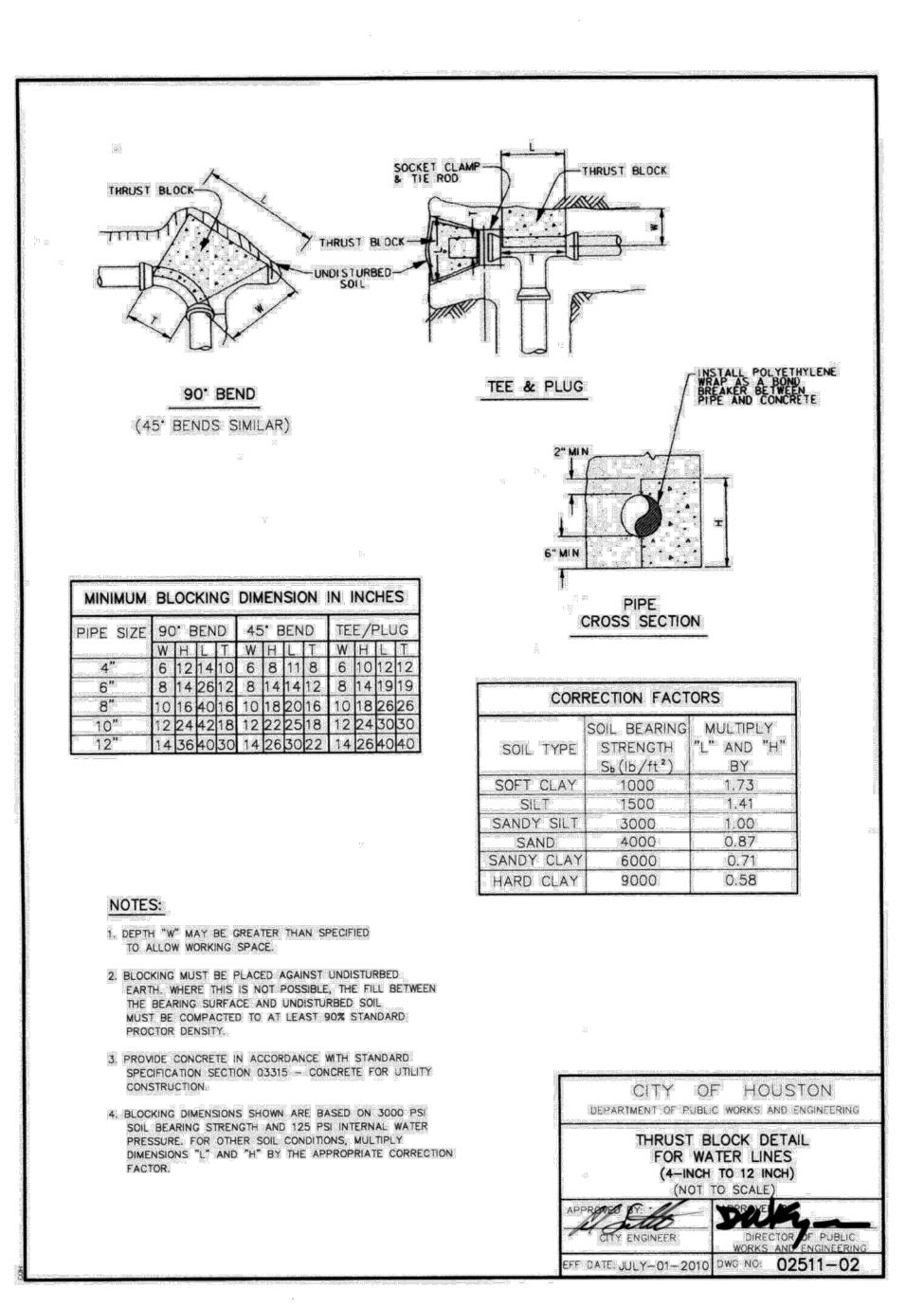
AS NOTED

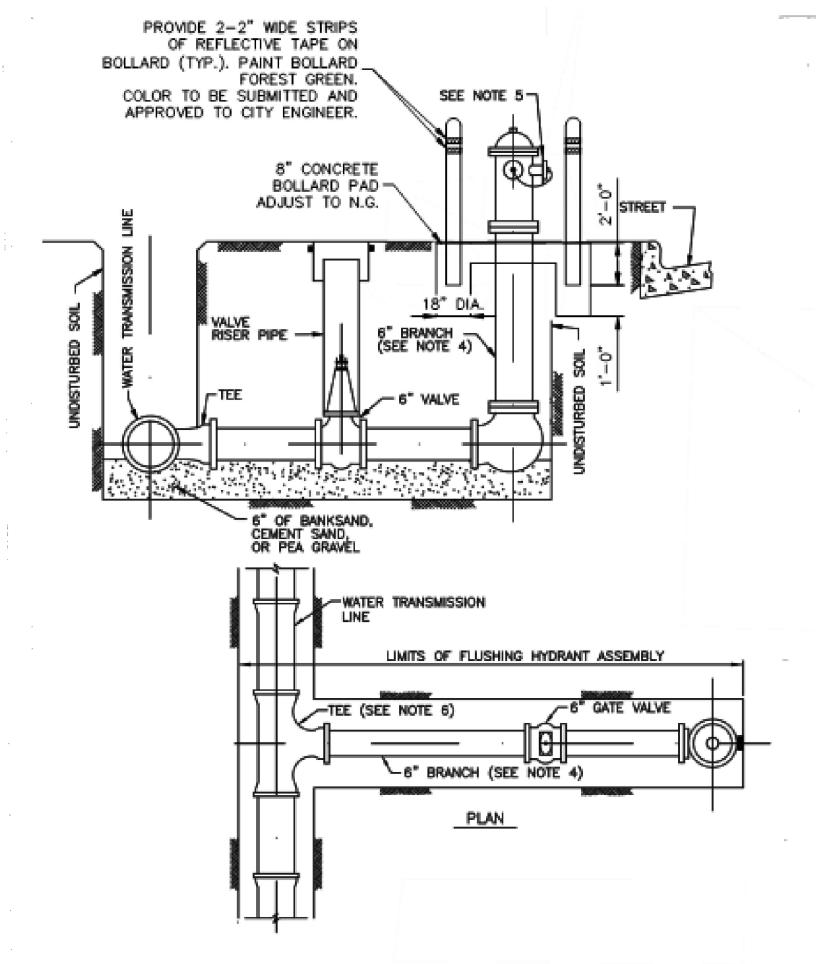
CITY OF HOUSTON PM

ANH BOYD

SHEET NO. 17 **OF** 33







STANDARD FLUSHING HYDRANT DETAIL N.T.S.

1. LOCATE FLUSHING HYDRANTS AS SHOWN ON PLANS.

AND S.S. TAG: "FOR FLUSHING USE ONLY".

- 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.
- 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".
- 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.
- 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



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

NOTICE:

VERIFICATION OF PRIVATE UTILITY LINES

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.

6161 SAVOY DRIVE. SUITE 830

(P) 281-272-1612

(F) 281-272-1619

FIRM REG. F-2488

PURPOSE OF INTERIM REVIEW. MARK-UP. DRAFTING UNDER THE AUTHORITY OF TANITA GILBERT ALEXANDER LICENSE NO. 88719 HOUSTON, TEXAS 77036

DATED 9/29/2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

THIS DOCUMENT IS

RELEASED FOR THE

CITY OF HOUSTON

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

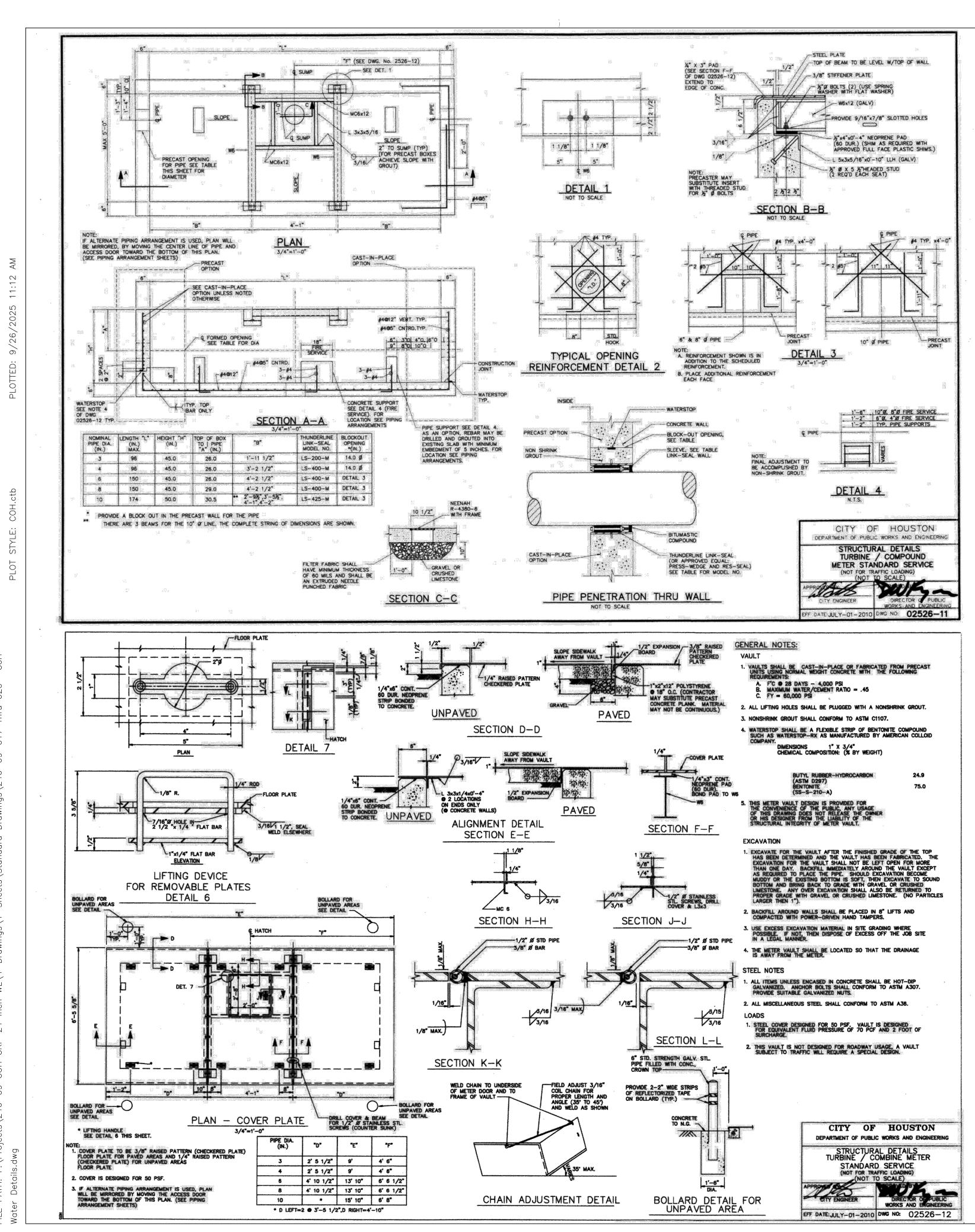
DRAWING SCALE

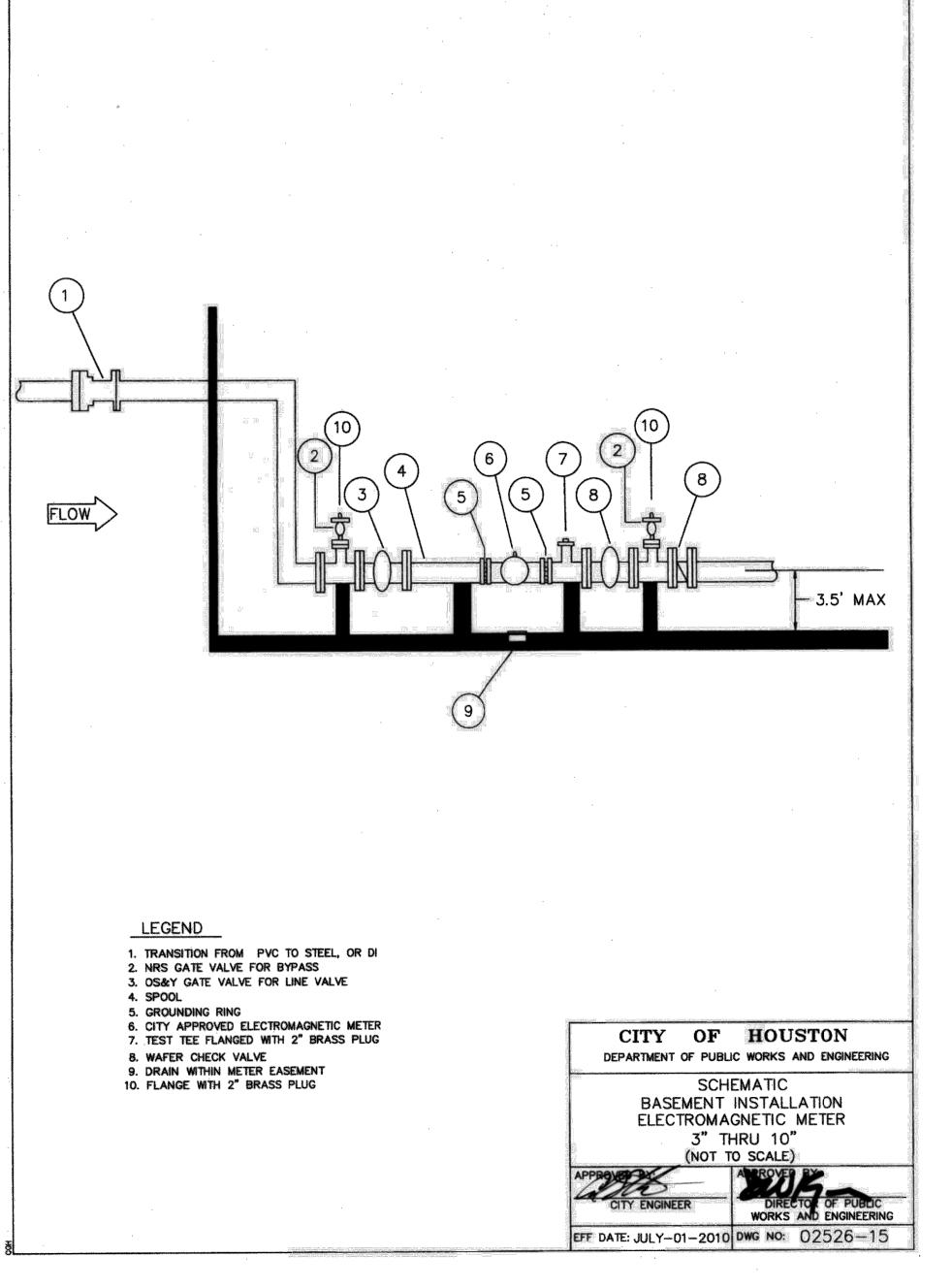
S-00900-0305-3

AS NOTED

CITY OF HOUSTON PM

ANH BOYD **SHEET NO.** 18 **OF** 33





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.

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 9/29/2025. 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

COH WATER DETAILS 4 OF 4

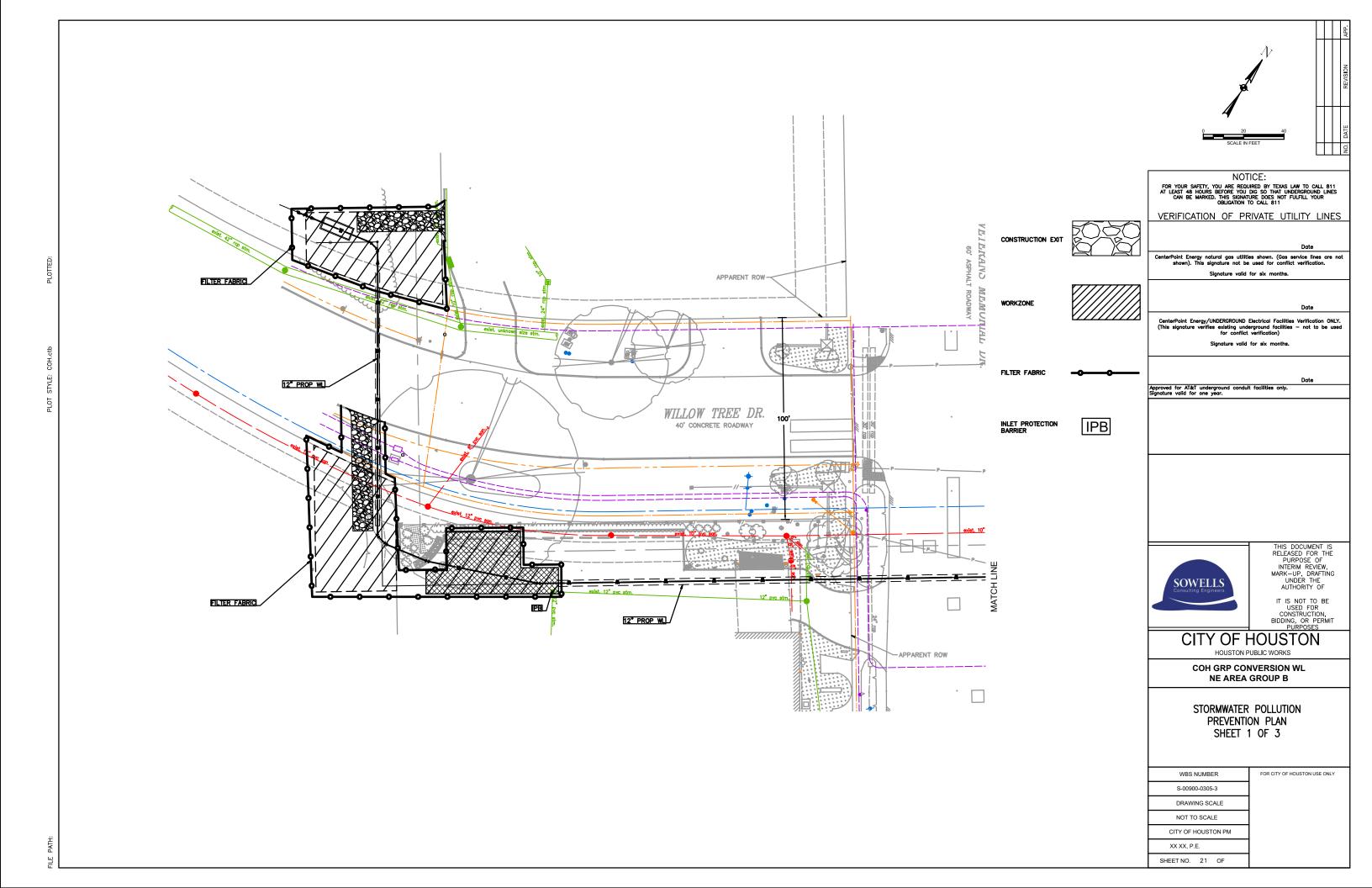
WBS NUMBER FOR CITY OF HOUSTON USE ONLY S-00900-0305-3

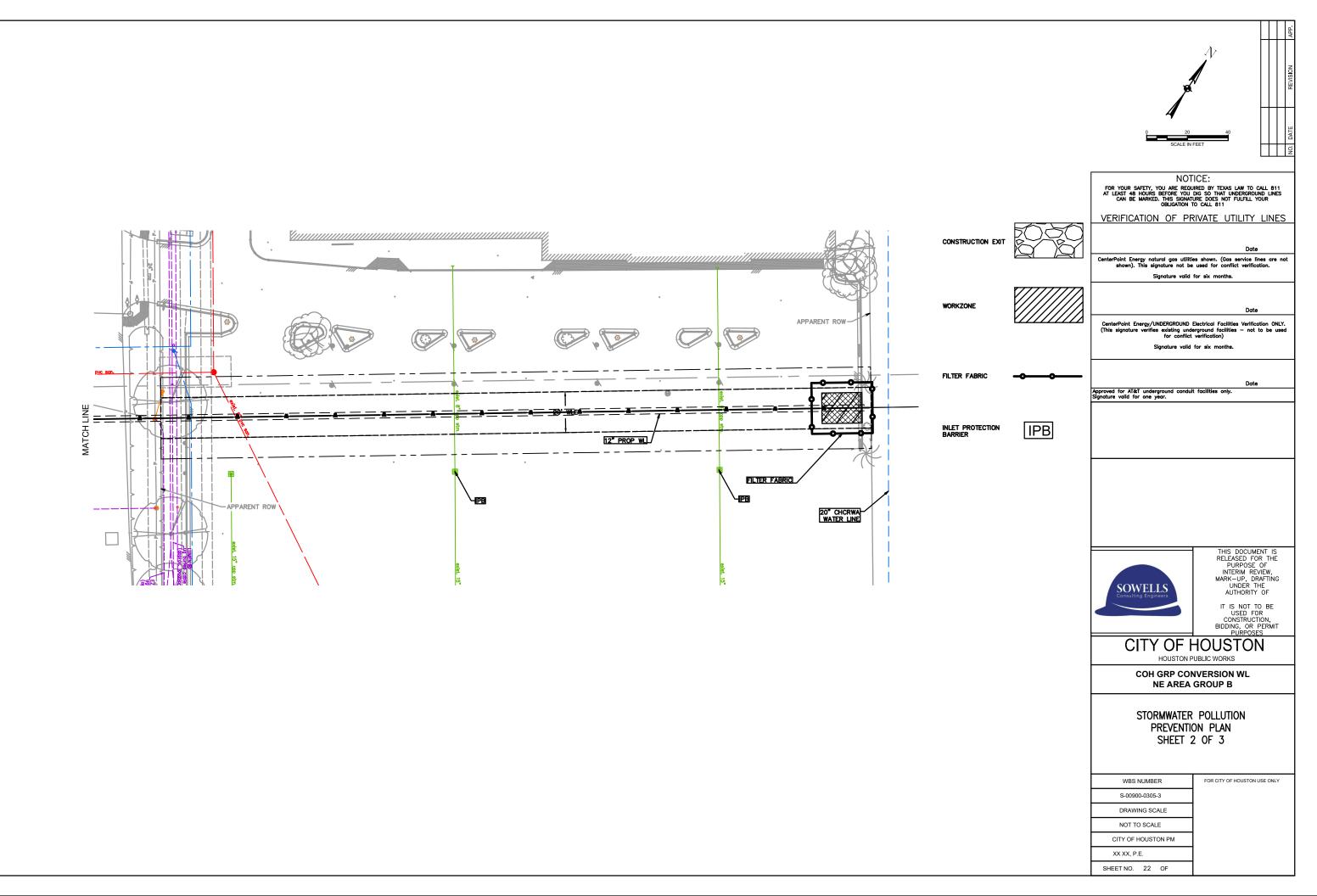
DRAWING SCALE

AS NOTED

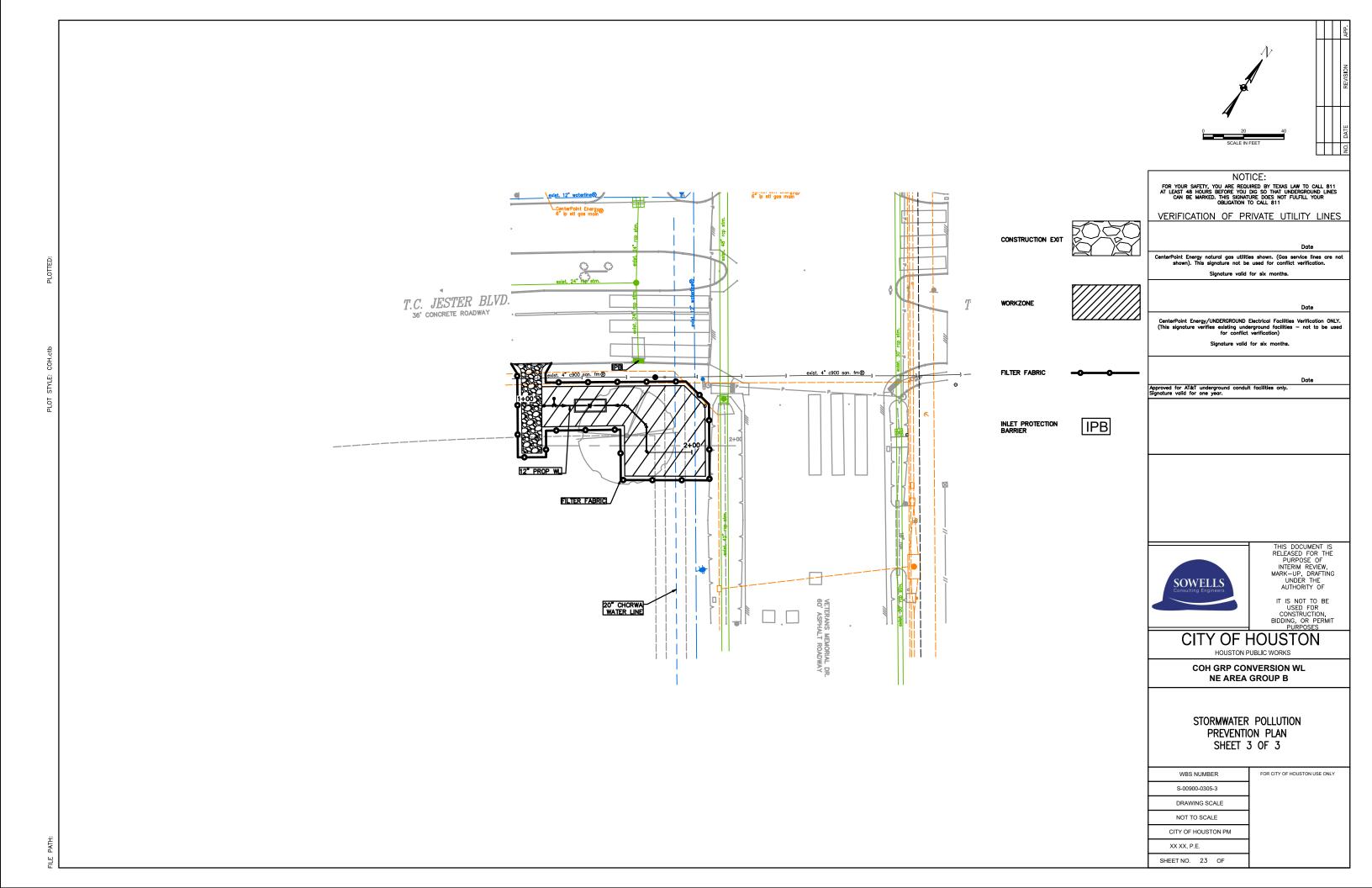
CITY OF HOUSTON PM ANH BOYD

SHEET NO. 19 **OF** 33

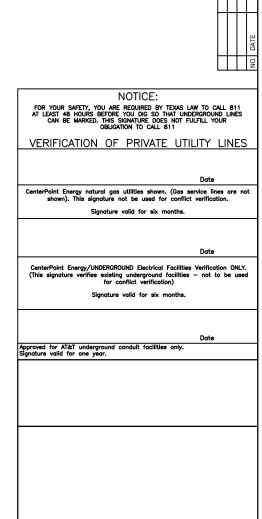


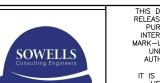


E PATH:









THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF
INTERIM REVIEW,
MARK-UP, DRAFTING
UNDER THE
AUTHORITY OF

IT IS NOT TO BE
USED FOR
CONSTRUCTION,
BIDDING, OR PERMIT
PURPOSES

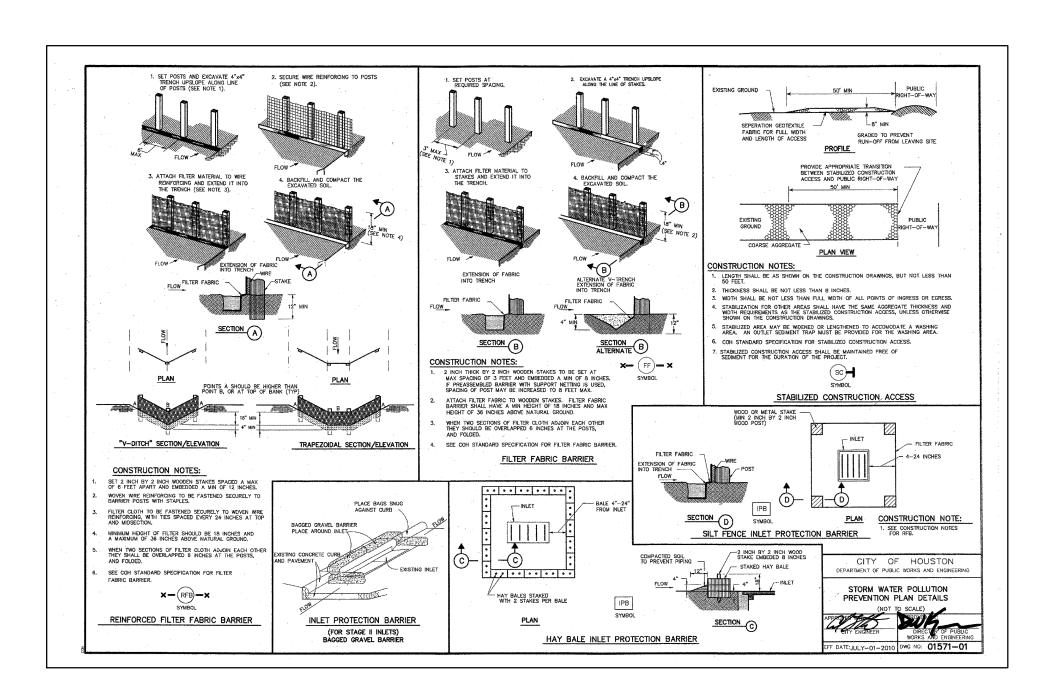
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

COH GRP CONVERSION WL NE AREA GROUP B

STORMWATER POLLUTION PREVENTION PLAN DETAILS

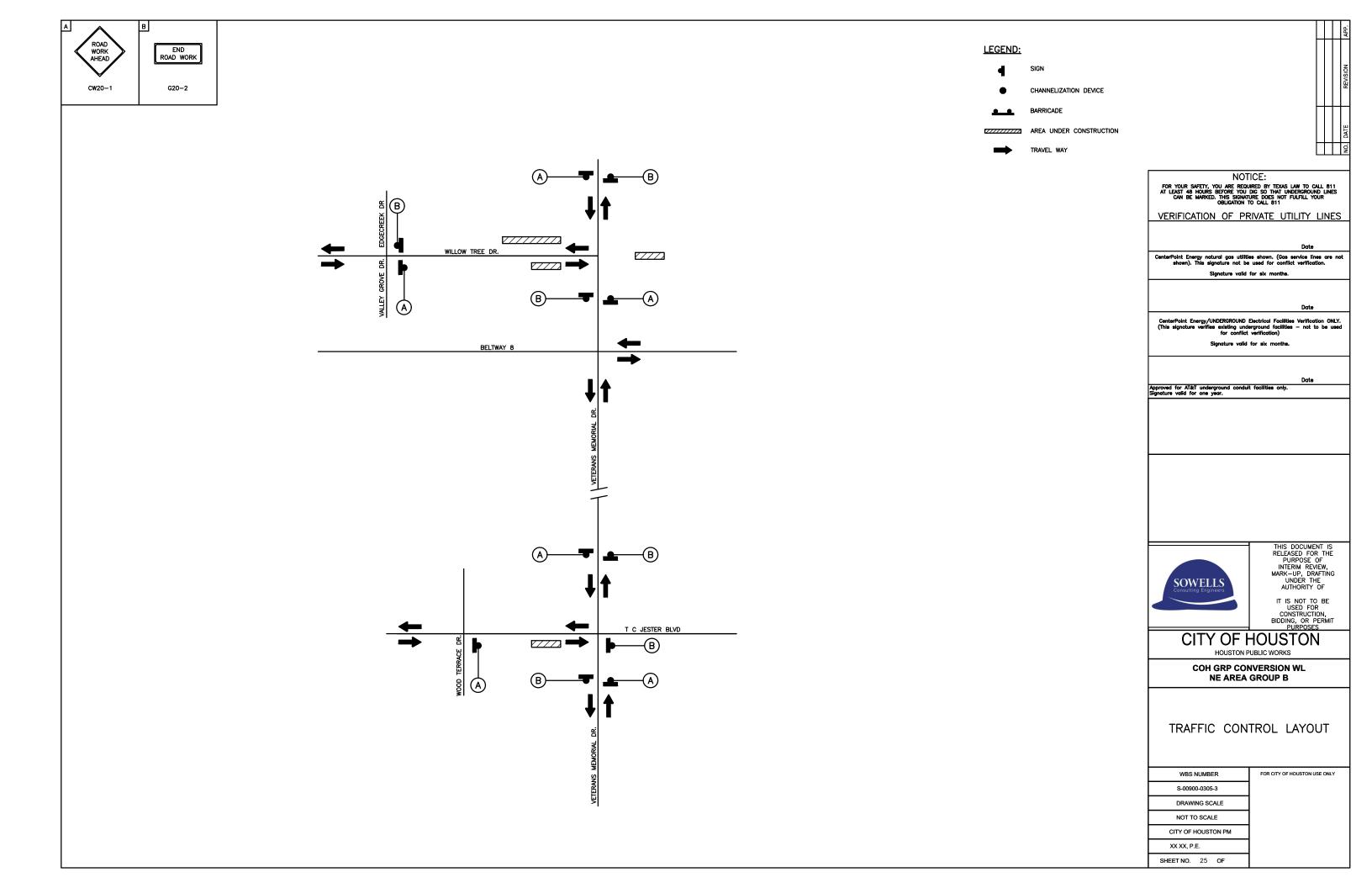
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
NOT TO SCALE	
CITY OF HOUSTON PM	
XX XX, P.E.	
SHEET NO. 24 OF	

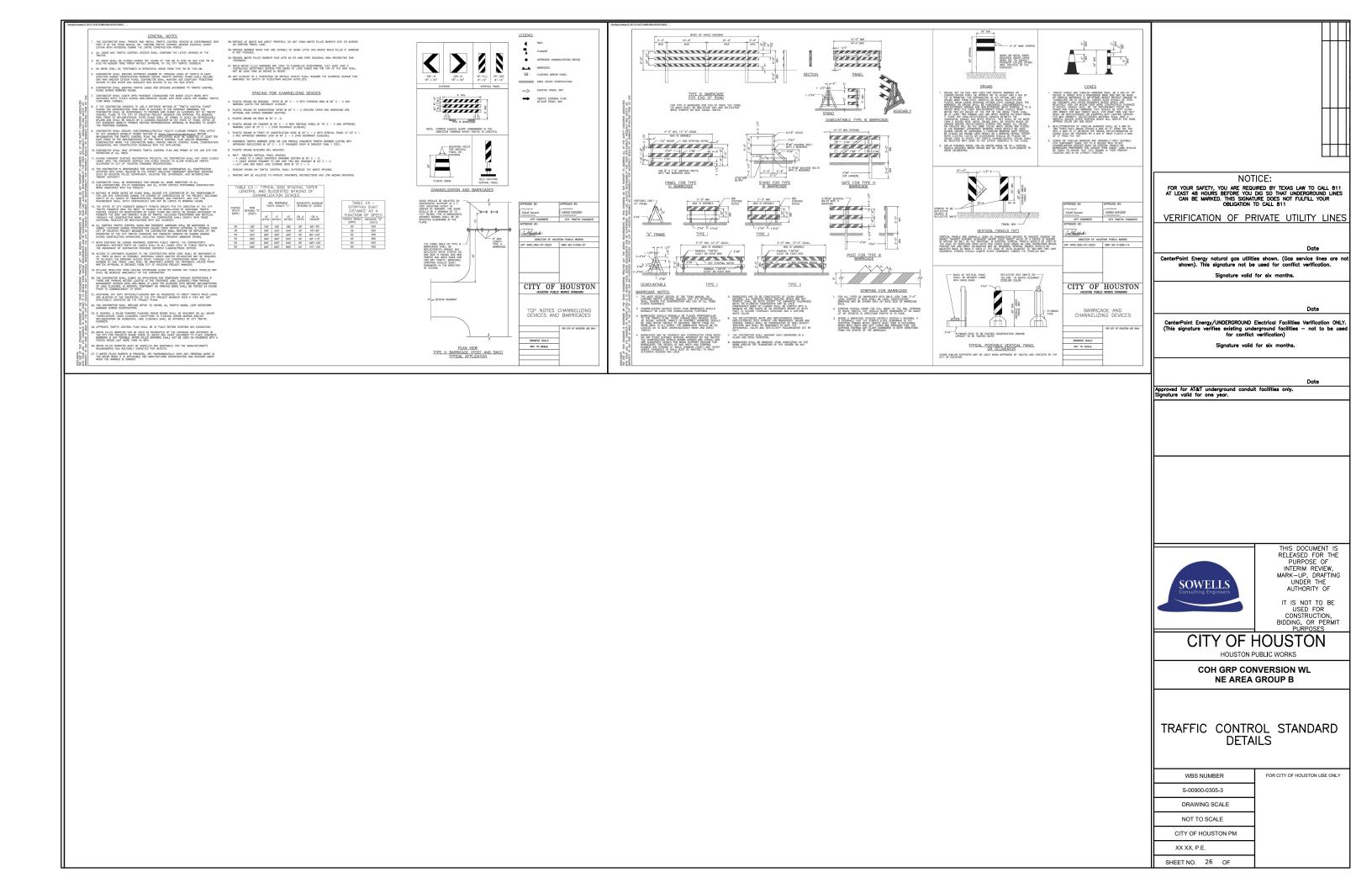


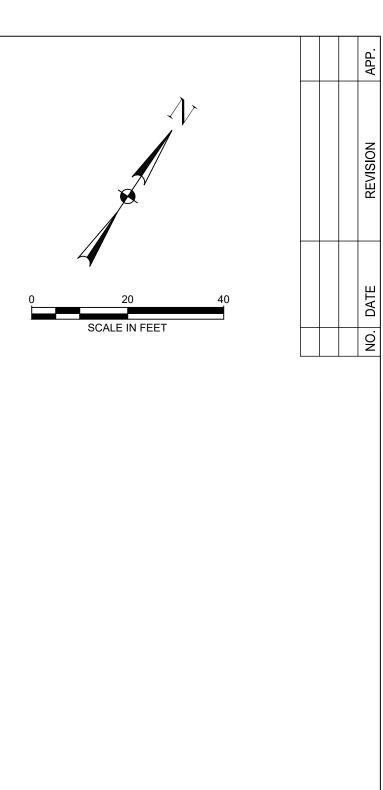
PLOTTED

PLOT STYLE: (

PATH:







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 9/29/2025. IT IS
NOT TO BE USED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES

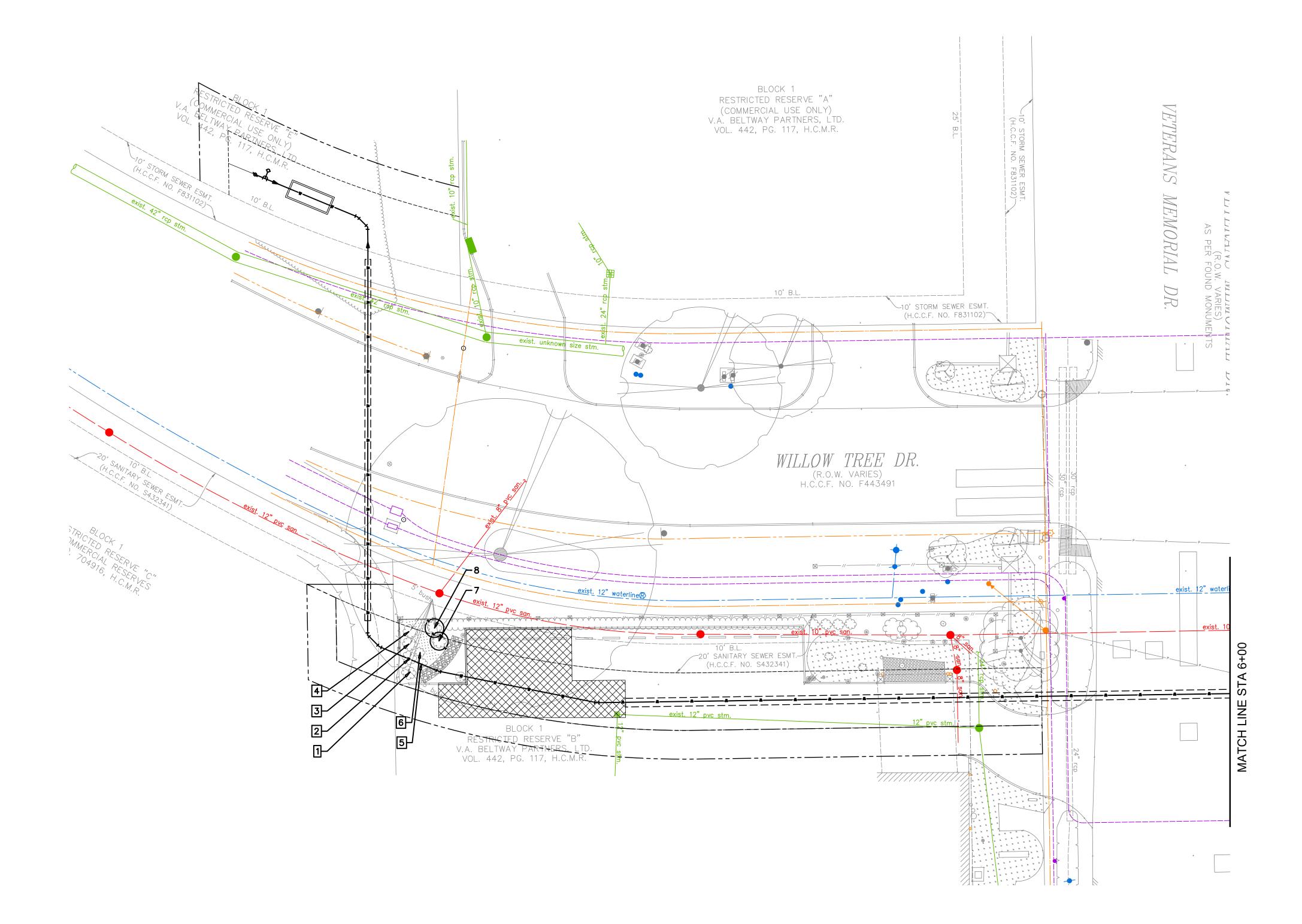
CITY OF HOUSTON

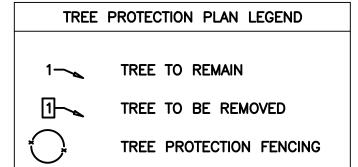
HOUSTON PUBLIC WORKS

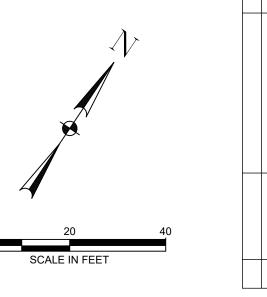
COH GRP CONVERSION WL NE AREA GROUP B

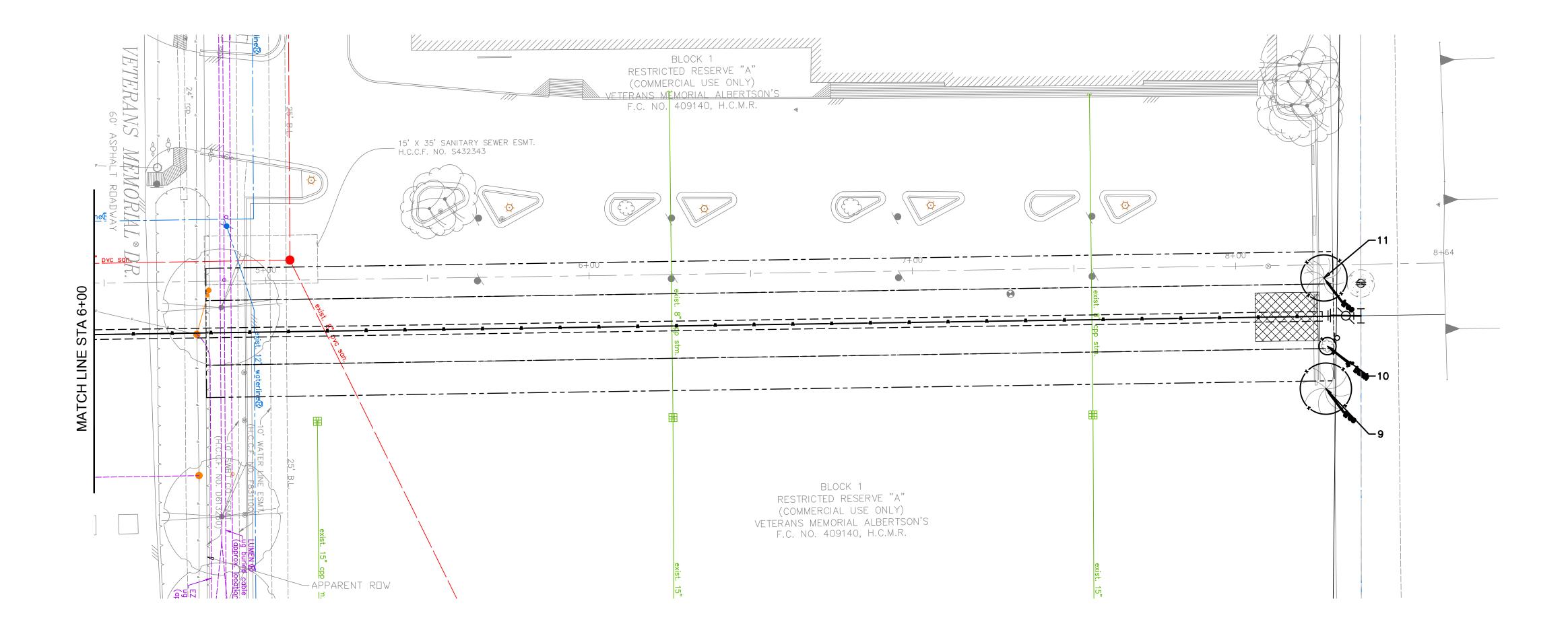
TREE PROTECTION PLAN
SHEET 1 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO . 26 OF 33	









TREE PROTECTION PLAN LEGEND		
1—	TREE TO REMAIN	
1	TREE TO BE REMOVED	
\bigcirc	TREE PROTECTION FENCING	



THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF INTERIM
REVIEW, MARK-UP,
DRAFTING UNDER THE
AUTHORITY OF
TANITA GILBERT ALEXANDER
LICENSE NO. 88719 6161 SAVOY DRIVE.
SUITE 830
HOUSTON, TEXAS 77036
(P) 281-272-1612
(F) 281-272-1619
FIRM REG. F-2488 DATED 9/29/2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

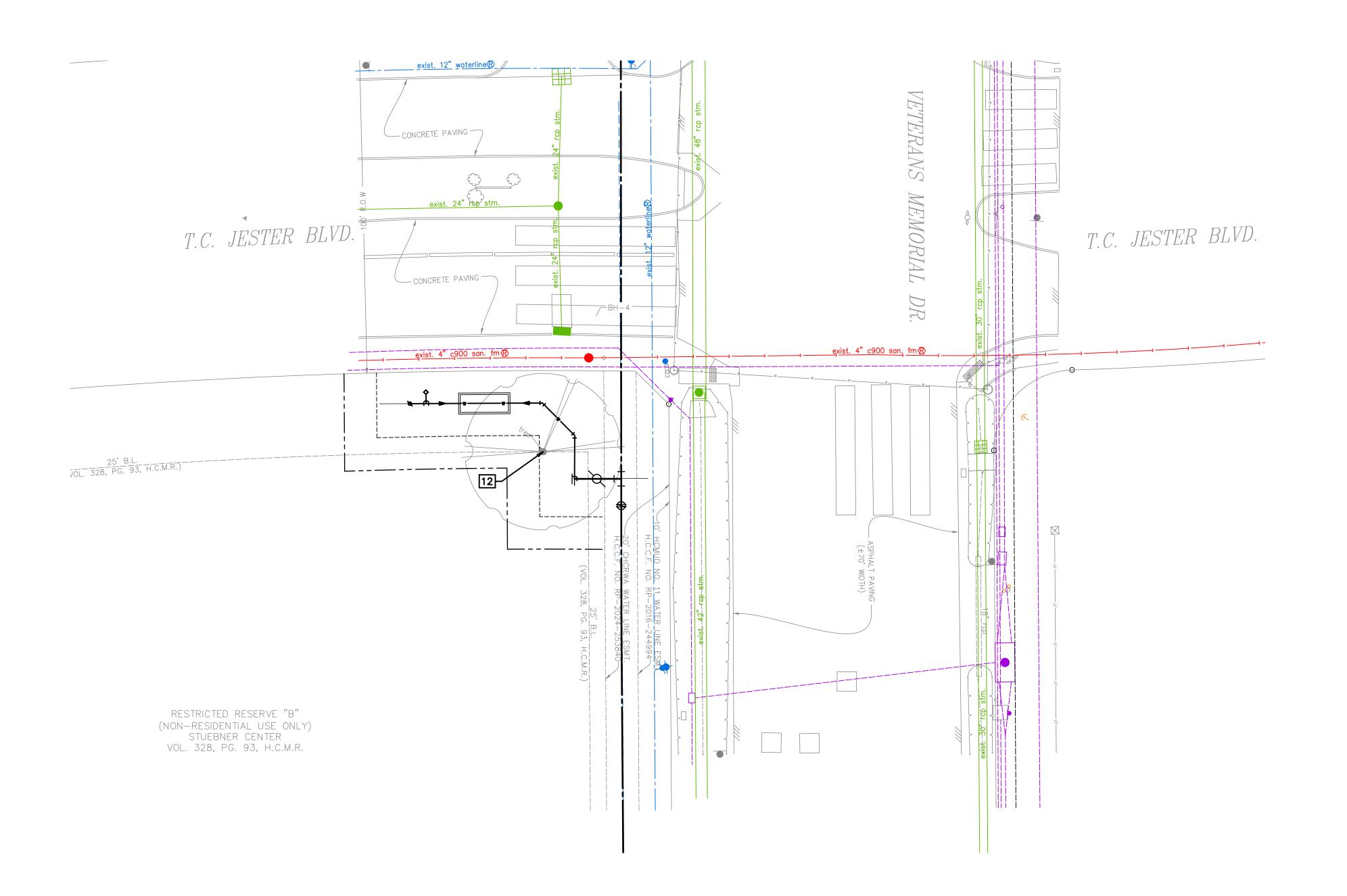
CITY OF HOUSTON

HOUSTON PUBLIC WORKS

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

TREE PROTECTION PLAN SHEET 2 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO . 27 OF 33	



TREE PROTECTION PLAN LEGEND

1— TREE TO REMAIN

TREE TO BE REMOVED

TREE PROTECTION FENCING

6161 SAVOY DRIVE.
SUITE 830
HOUSTON, TEXAS 77036
(P) 281-272-1612
(F) 281-272-1619
FIRM REG. F-2488 DATED 9/29/2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES CITY OF HOUSTON

HOUSTON PUBLIC WORKS

THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF INTERIM
REVIEW, MARK-UP,
DRAFTING UNDER THE
AUTHORITY OF
TANITA GILBERT ALEXANDER
LICENSE NO. 88719

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

TREE PROTECTION PLAN SHEET 3 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO . 28 OF 33	

PROTECTED TREE —

TREE DRIPLINE ---

IRON T-BAR POST ----

PROTECTED TREE

- PRESERVATION TAG

(CONSTRUCTION TAPE OR RIBBON)

TREE PROTECTION FENCING

- LIMITS OF TREE DRIPLINE

- AREA ENCLOSED BY FENCE IS TREE PROTECTION ZONE

FENCE SECURED TO POST AT

10'-0" ON CENTER MAXIMUM

FRONT VIEW TREE PROTECTION FENCING DETAIL

10'-0"

CENTER MAX

<u>Plan view</u>

TREE PROTECTION FENCING DETAIL

---- 6'-0" IRON T-BAR POST

CONSTRUCTION FENCE

--- PLASTIC MESH

- FINISH GRADE

10'-0"

CENTER MAX

DETAIL B-4

PROTECTIVE PLASTIC MESH FENCE

NOTES:

FENCE LOCATION MAY BE ADJUSTED TO ACTUAL SITE CONDITIONS.



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 9/29/2025. 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**

TREE PROTECTION STANDARD

DETAILS 1 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ON
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO . 29 OF 33	

ROOT PRUNING NOTE:

- APPLICABLE TO ROOT PRUNING ON ONE SIDE OF TREE ONLY. CONSULT CITY ARBORIST FOR MORE EXTENSION ROOT PRUNING. FINAL APPROVAL SHALL COME FROM PARKS AND RECREATION DEPARTMENT.
- 2. SIDEWALK SHALL BE CONSTRUCTED OF EITHER CEMENT, CONCRETE, ASPHALT OR OTHER DURABLE MATERIAL AS THE COUNCIL MAY DESIGNATE (CHAPTER 40-91, CODE OF

PROTECTED TREE PROTECTED TREE ORDINANCES). TREE —— DRIPLINE TREE PROTECTION FENCE TREE PROTECTION -FENCE MIN DISTANCE ROOT PRUNING TRENCH (SEE TABLE 1) (MAX 6" WIDE) SIDEWALK — PRUNE MAJOR LIMBS ONLY IF NECESSARY TO STRUCTURALLY AND AESTHETICALLY BALANCE FORM OF TREE REMOVE MAJOR AND SECONDARY LIMBS & BRANCHES WITHIN SIDEWALK ENVELOPE

TREE PRUNING

ROOT PRUNING DETAIL

TABLE 1	
"M" DISTANCE TABLE	
TREE TRUNK DIA. (IN)	*MINIMUM DISTANCE 'M'
< 6"	3 FEET
6" ≤ DIA. ≤ 20"	0.75 FEET PER DIAINCH
> 20"	CONSULT CITY ARBORIST

*MINIMUM DISTANCE FROM TREE TRUNK TO EDGE OF TRENCH

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

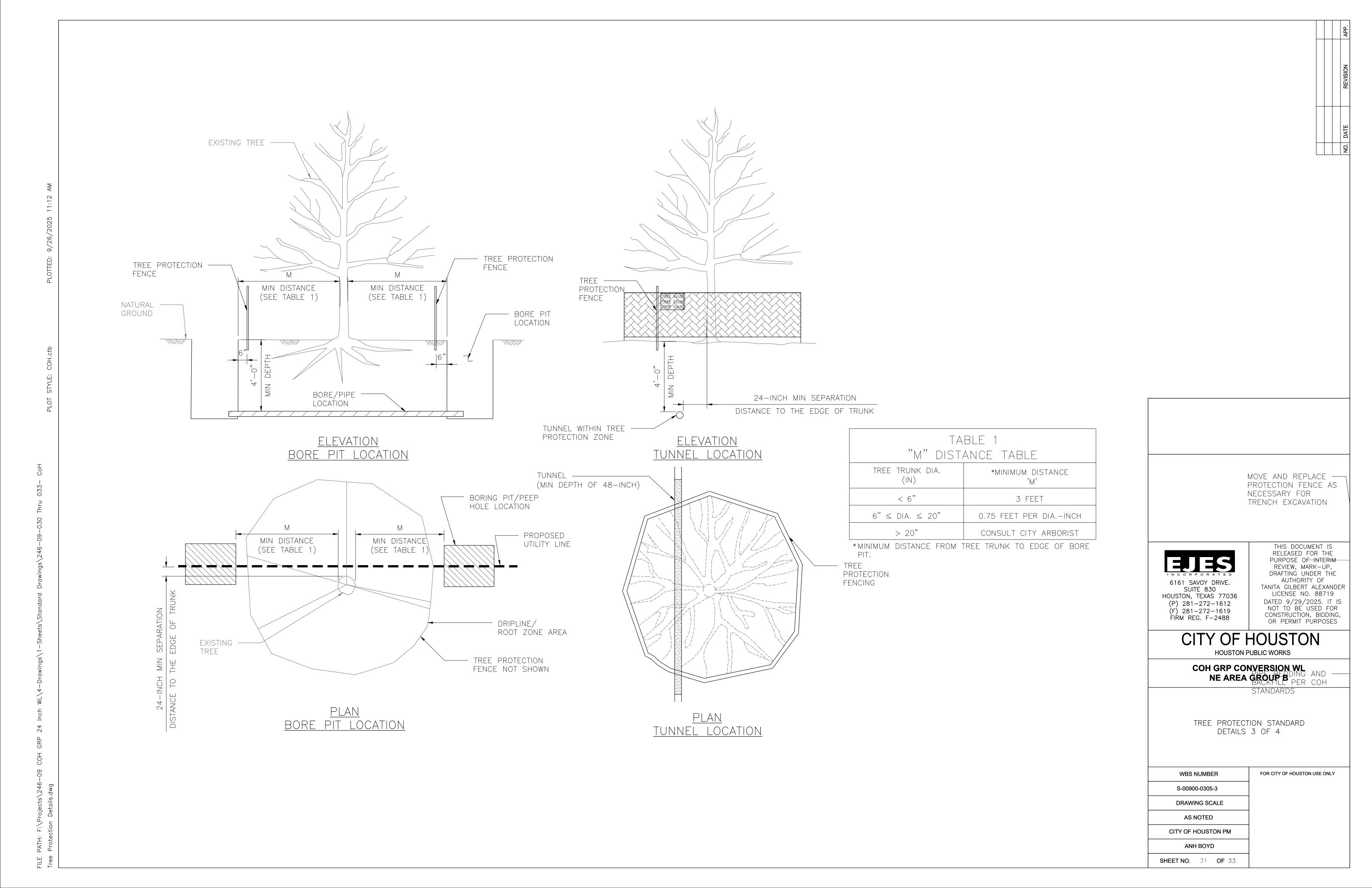
DATED 9/29/2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES CITY OF HOUSTON

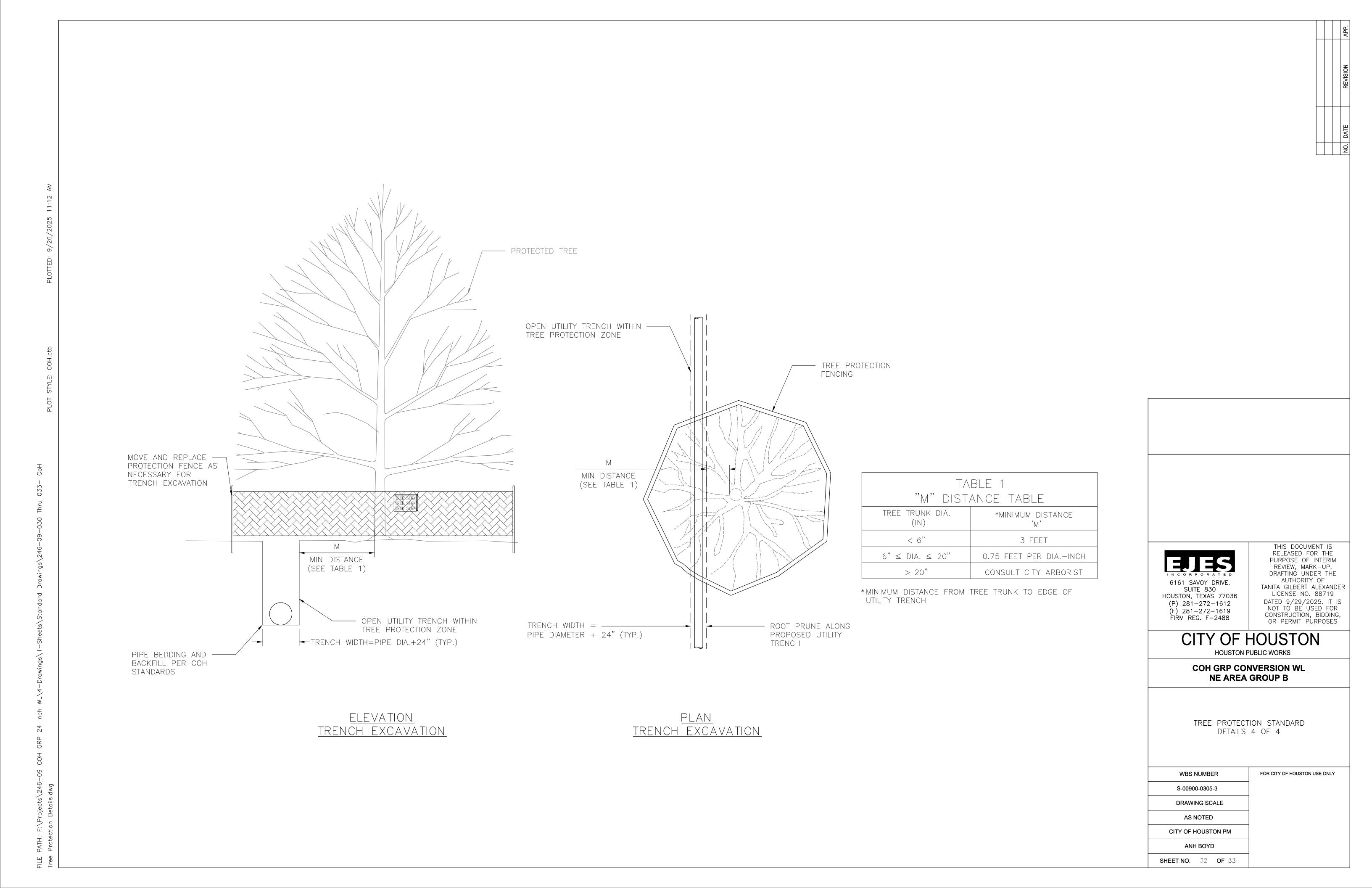
COH GRP CONVERSION WL **NE AREA GROUP B**

HOUSTON PUBLIC WORKS

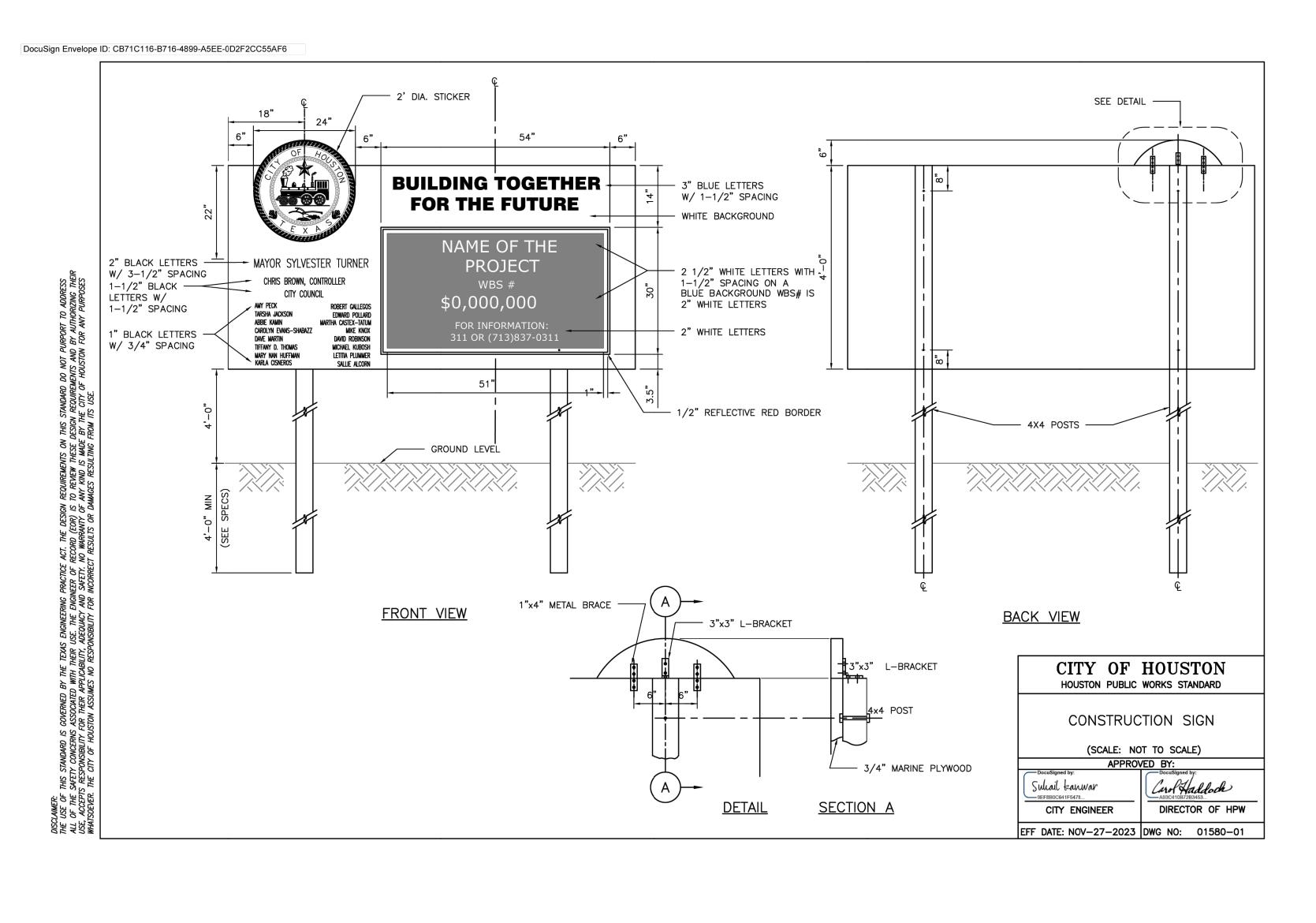
TREE PROTECTION STANDARD DETAILS 2 OF 4

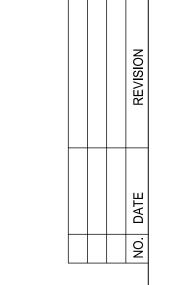
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
S-00900-0305-3	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
ANH BOYD	
SHEET NO. 30 OF 33	











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.



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 9/29/2025. 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**

COH CONSTRUCTION SIGN DETAILS

FOR CITY OF HOUSTON USE ONLY WBS NUMBER S-00900-0305-3 DRAWING SCALE AS NOTED CITY OF HOUSTON PM

ANH BOYD

SHEET NO. 33 **OF** 33