

**ROLLOVER PASS AGREEMENT
BETWEEN
GALVESTON COUNTY, TEXAS
AND
UNDINE TEXAS ENVIRONMENTAL, LLC**

This **ROLLOVER PASS AGREEMENT** (this “Agreement”) is made by and between **GALVESTON COUNTY, TEXAS** (“County”) and **UNDINE TEXAS ENVIRONMENTAL, LLC** (“Undine”).

The County owns “Rollover Pass”, which consists of open land, including an open field, dirt areas, and the proposed Rollover Pier Improvement Project. The County desires to grant Undine access to this land for the installation of a future wastewater line to connect existing infrastructure along State Highway 87, from Dees Street to Church Street, as further described in the letter attached hereto as Exhibit A.

Undine is a state-certified sewer utility with many years of experience operating and constructing state-approved public utility systems and Undine holds the Certificate of Convenience and Necessity (“CCN”) to provide wastewater utility service to Bolivar Island, including closing the service gap across Rollover Pass.

The County and Undine acknowledge that to provide wastewater utility service to East of Rollover Pass, Undine will require a force main extension across to connect the West side to the East side of the Rollover (the “FM Extension”).

The County finds that the propagation and improvement of sewer service across the Bolivar Peninsula is a benefit to the public health and safety of the people of Galveston County as well as the economic development of the region.

The parties have determined to effectuate the FM Extension pursuant to the terms of this Agreement.

The parties find that these recitals are true and correct.

AGREEMENT

For and in consideration of the mutual covenants, agreements, and benefits contained herein, the parties mutually agree as set out in this Agreement.

1.0 DEFINITIONS. Unless the context requires otherwise, the following terms as used in this Agreement shall have the meanings given below:

1.1 “FM PROPERTY” – means the fee simple real property owned by the County and described on Exhibit B attached hereto.

1.2 “UNDINE FACILITIES” – means the wastewater facilities to be constructed by Undine on the FM Property as described on Exhibit B for the purpose of completing the FM Extension and provided wastewater utility service for East end of Rollover Pass.

2.0 CONSTRUCTION AND ACQUISITION OF UNDINE FACILITIES. Undine shall, at no cost or expense to the County, provide for the construction of the Undine Facilities, all in accordance plans described on Exhibit C attached hereto with the requirements of the County relating to additions to its wastewater systems within the County. The County shall be entitled to periodically inspect the construction of the Undine Facilities to confirm they are in accord with Exhibit C and are consistent with the FM Extension and otherwise are in compliance with the County’s codes, ordinances, rules and regulations and any applicable laws, rules and regulations of the state of Texas.

2.1 ENGINEER’S ADMINISTRATION FOR COUNTY. Undine must submit all plans and changes to the Undine Facilities to the County Engineer for approval before commencing construction. The County Engineer may request any such revisions to the plans or changed plans as the Engineer may see fit in his sole discretion. Undine may, in its sole discretion, choose to modify the plans to obtain the County Engineer’s approval or terminate this agreement without constructing the Undine Facilities. Upon completion, Undine shall notify the County Engineer and shall promptly remedy any deficiencies identified by the County Engineer. In the event that Undine fails to remedy any deficiency identified by the County Engineer within 30 days, the County may remedy the deficiency and Undine shall reimburse the County for the costs of remediation.

2.2 MODIFICATION AT COUNTY REQUEST. In the event that the Undine Facilities become an impediment to the County’s intended use of the land upon which they are located, including any potential expansion or modification of Highway 87, construction or modification of park facilities, or otherwise, the County may provide Undine with written notice of at least 180 days advanced notice, and Undine must relocate or remove the Undine Facilities at its expense as may be required to remedy the conflict.

3.0 OWNERSHIP OF UNDINE FACILITIES BY UNDINE. The County acknowledges and agrees that all right, title and interest to Undine Facilities shall belong to Undine including all tangible property or fixtures. Undine shall be responsible for the maintenance and upkeep of the Undine Facilities and shall have the right to upgrade, repair, expand or otherwise modify Undine Facilities as it shall determine in its sole discretion. Undine shall be entitled to all revenue generated from the Undine Facilities.

3.1 NO WARRANTY. The license granted herein by the County to Undine for the use of the land upon which the Undine Facilities are located is without warranty either express or implied, including but not limited to any warranty that the land is suitable for Undine’s intended use.

4.0 INGRESS AND EGRESS. During the term of this Agreement, Undine shall have the right of ingress and egress, in under and over the FM Property for any purpose required in connection with the subject matter of this Agreement.

5.0 TERM; TERMINATION. This Agreement shall be in force and effect from and after the date of the County's countersignature below for a term of three years, and it shall automatically renew for consecutive three-year terms unless either party provides the other with a notice of intention to terminate at least 90 days before the end of the then-current term.

6.0 APPLICABLE LAW. This Agreement is made subject to the provisions of all applicable laws of the State of Texas. No provisions of this Agreement shall in any manner prejudice the legal rights and remedies of either party hereto. It is not the intent of either party hereto to contract away any governmental or legislative powers.

6.1 SUBORDINATION OF AGREEMENT TO LAW. The County and Undine intend to enter this Agreement pursuant to Texas Local Government Code 552.104 and any other provision of Texas law governing the County and Undine as a utility or the relationship of the two. This agreement is intended to memorialize and not modify the rights of the parties under the law.

7.0 ASSIGNMENTS. This Agreement shall bind and benefit the respective parties and their legal successors, but shall not otherwise be assignable, in whole or in part, by either party without first obtaining written consent of the other; provided, however, Undine shall be entitled to assign its rights and obligations without the consent of the County to an affiliate, in connection with the sale of a substantial portion of its assets, or to any successor wastewater utility at Bolivar Island.

8.0 MERGER. This instrument contains all the agreements made between the parties with respect to the subject matter hereof.

9.0 NOTICES. Until Undine is otherwise notified in writing by the County the address of the County is and shall remain as follows:

County Judge Mark Henry
722 Moody, 2nd Floor
Galveston, TX 77550

Until the County is otherwise notified in writing by Undine, the address of Undine is and shall remain as follows:

Undine Texas Environmental, LLC
Attn: Andy Thomas
17681 Telge Rd.
Cypress, TX 77429

All written notices required or permitted to be given under this Agreement from one party to the other shall be given by personal delivery (with a receipt showing delivery) or shall be deemed given by the deposit in a United States Postal Service mailbox or receptacle of certified or registered mail, with proper postage affixed thereto, addressed to the respective other party at the address set forth above or at such other address as the parties respectively shall designate by written notice.

10.0 PARTIES IN INTEREST. This Agreement shall be for the sole and exclusive benefit of the parties hereto and shall not be construed to confer any right upon any third party. **SIGNATURES.** Galveston County and the Undine have executed this Agreement in multiple counterparts, each of which is deemed to be an original, effective as of the date of the last official signature shown below.

County of Galveston

Mark Henry
County Judge

Attest:

Dwight Sullivan
County Clerk

UNDINE TEXAS ENVIRONMENTAL,
LLC

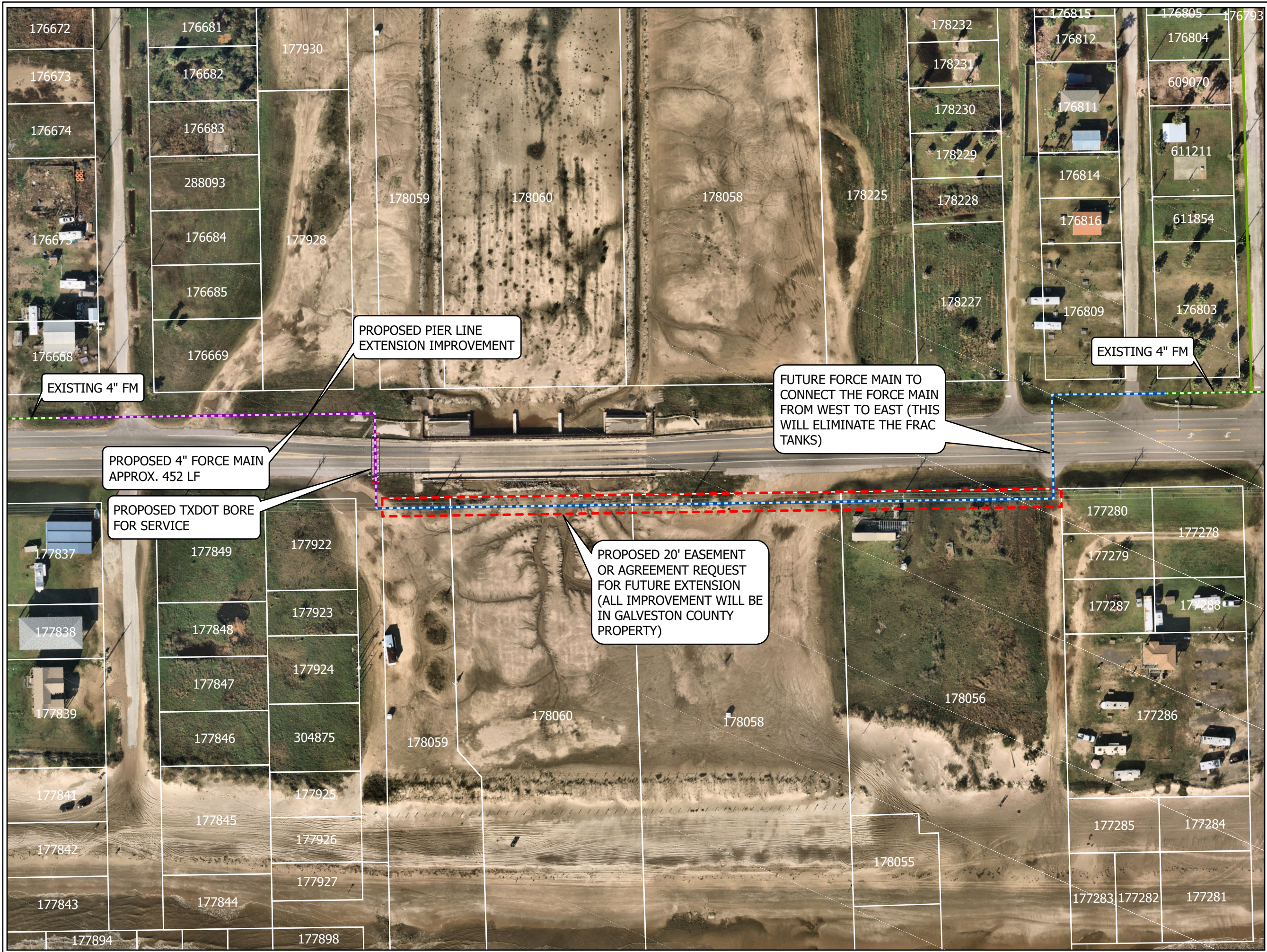


William A. Thomas
Sr VP Operations and Capital Projects
Date: 12-22-2025

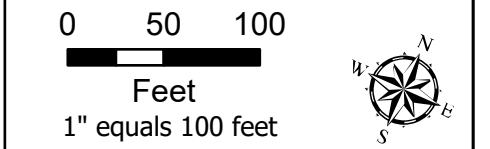
DATE OF COUNTY,
COUNTERSIGNATURE:

Exhibit A

Pier Project



- Proposed 20' Easement
- Proposed 4" Force Main
- Future Force Main
- Proposed TXDOT Bore
- Existing Force Main
- Existing Gravity Main
- Parcels



BOLIVAR ISLAND M.U.D.

**PROPOSED
4" FORCE MAIN
ROLLOVER PIER
IMPROVEMENTS**

A&S Engineers, Inc.

Exhibit B

FM Property

EXHIBIT ____
METES AND BOUNDS DESCRIPTION
15' Sanitary Sewer Easement
7,824 Square Feet (0.180 of one acre)
ELIJAH FRANKS SURVEY
ABSTRACT NUMBER 64
GALVESTON COUNTY, TEXAS
July 2025

ALL that certain 7,824 Square Feet (0.180 of one acre) of land situated in the Elijah Franks Survey, Abstract Number 64, Galveston County Texas, and being out of and a part of the southerly portion of that certain tract or parcel of land set aside to Edgar Hargraves in Judgment and Decree rendered by the District Court of Galveston County, Texas on the last day of May 1899 in Cause No. 19015 and recorded in District Court Minute Book 28, Page 166, and further being out of and a portion of Tracts 111, 112, and 113 out of a called 22.5 acre tract, all as referenced in that certain District Court Eminent Domain Proceeding styled County of Galveston, Texas vs. Gulf Coast Rod, Reel, and Gun Club, Inc., Case Number CV-0076026 of the Civil and Family Case Records of Galveston County, Texas (hereinafter referred to as the "condemned Galveston County tract"), and being more particularly described by metes and bounds as follows: (All bearings based upon the Texas Coordinate System of 1983, South Central Zone 4204, and are tied to NGS Mark "TXGM REF MON 2" (PID DR8251) (N: 13,703,575.90, E: 3,642,955.72) All coordinates shown hereon are reported in grid. All area quantities are reported in surface;

BEGINNING at a point in the southerly right-of-way (R.O.W.) line of State Highway No. 87 (SH 87, 120 feet wide) for the west corner of that certain tract of land in the name of Ottmar Vega Ted (Tract I) described in a Substitute Trustee's Deed at Clerk's File Number 2011056794 of the Official Public Records of Galveston County Texas (O.P.R.G.C.T.) and the north corner of the condemned Galveston County tract and the herein described tract (N:13,760,001.96; E:3,399,646.38), and from which a 1/2 inch iron rod (no cap) found for reference bears North 56 Degrees 06 Minutes West, a distance of 1.0 feet);

THENCE, clockwise the following Four (4) courses:

- 1) South 26 Degrees 03 Minutes 43 Seconds East, with the easterly line of said condemned Galveston County tract and the herein described tract, a distance of 15.00 feet to the east corner of the herein described tract (N:13,759,988.48; E:3,399,652.97);
- 2) South 65 Degrees 07 Minutes 45 Seconds West, through and across said condemned Galveston County tract, and with the southerly line of the herein described tract, a distance of 521.76 feet to a point in the easterly line of the remainder of Bauer Street, an abandoned traveled way (sometimes called 29 feet wide, actual distance considerably narrower), for the south corner of the herein described tract (N:13,759,769.05; E:3,399,179.60);
- 3) North 24 Degrees 53 Minutes 34 Seconds West, with the easterly line of the remainder of said Bauer Street and the westerly line of the said condemned Galveston County tract and the herein described tract, a distance of 15.00 feet to a point in the southerly R.O.W. line of said SH 87 for the north corner of the remainder of said Bauer Street and the west corner of the herein described tract (N:13,759,782.65; E:3,399,173.29);

- 4) North 65 Degrees 07 Minutes 45 Seconds East, with the southerly R.O.W. line of said SH 87 and the northerly line of said condemned Galveston County tract and the herein described tract, a distance of 521.45 feet to the **POINT OF BEGINNING** and containing 7,824 square feet (0.180 of one acre) of land.

A separate Plat of Exhibit of even date accompanies this metes and bounds description.



Michael Hoover, RPLS
Texas Registration No. 5423



County—Galveston
 District Court Eminent Domain Proceeding
 Cause No. CV-0076026
 Tract 113/7.6107 AC of called 22.5 AC tract
 Tract 112/6.7358 AC of called 22.5 AC tract
 Tract 111/2.8975 AC of called 22.5 AC tract
 Elijah Franks Survey, A-64

northerly ROW line HWY 87

STATE HIGHWAY NO 87
 (120' WIDE)

N 65°07'45" E 521.45' ± TBM: 6.52'
 S 65°07'45" W 521.76'
 15' wide Sanitary Sewer Easement

5.712 AC (249,072 SqFt)
 County—Galveston
 District Court Eminent Domain Proceeding
 Cause No. CV-0076026
 Tract 113/7.6107 AC of called 22.5 AC tract
 Tract 112/6.7358 AC of called 22.5 AC tract
 Tract 111/2.8975 AC of called 22.5 AC tract
 Elijah Franks Survey, A-64

General Notes:

- 1) All bearings shown hereon are based upon the Texas Coordinate System of 1983, South Central Zone 4204, and are tied to NGS Mark "TXGM REF MON 2" (PID DR8251) (N: 13,703,575.90; E: 3,312,955.72). All coordinates shown hereon are reported in grid. All area quantities are reported in surface.
- 2) A separate metes and bounds description of even date accompanies this Exhibit.

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 26°03'43" E	15.00'
L2	N 24°53'34" W	15.00'

POINT OF BEGINNING
 N:13,760,001.96
 E:3,399,646.38

Fnd. 1/2" Rod
 (disturbed)
 N 54°06' W, 1.0'

Ottmar Ted Vega
 Tract 114/2.910 AC

ELIJAH FRANKS
 SURVEY
 ABSTRACT NUMBER 64

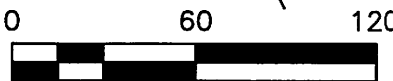


EXHIBIT ____
 15' SANITARY SEWER EASEMENT
 7,824 SQUARE FEET/0.180 of one
 ACRE



SEACOAST
 SURVEYORS

409-684-6400

975 West Lazy Lane / Crystal Beach, Texas 77650
 Mailing: P.O. Box 2579/Crystal Beach Texas 77650
 Texas Firm Registration No.: 10194703

www.seacoastsurveyors.com

Job No: 25-0365

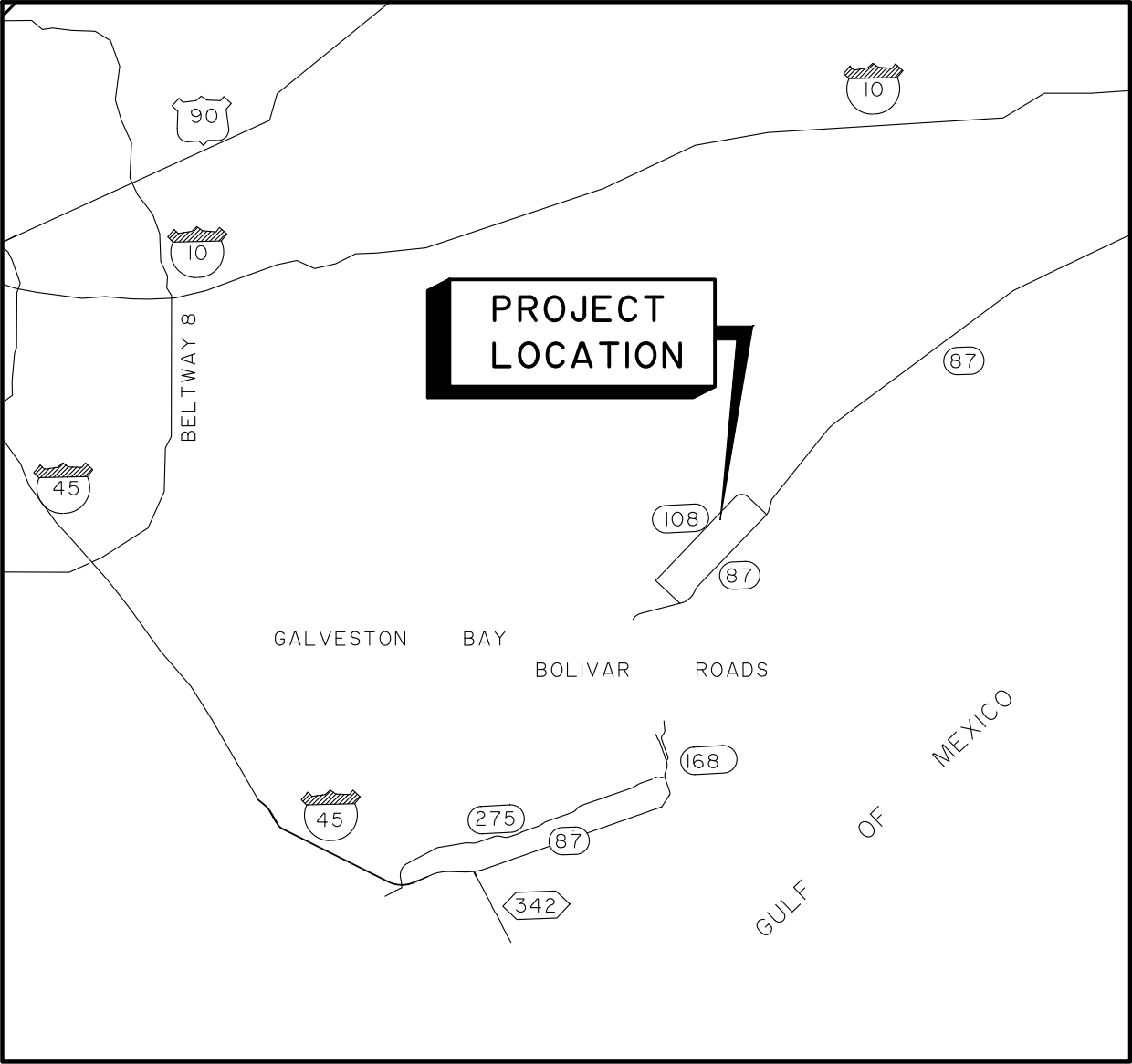
July 2025

Waterline
 West
 TBM: 6.52'
 N: 13,759,713.65
 E: 3,399,173.29
 N: 13,759,769.05
 E: 3,399,179.60
 Lot 2
 South of
 Lot 1, 2, 3 & 4
 Unrecorded Sub. of
 Tract 87
 HWY 87
 Pier under Construction
 BAUER STREET
 (CALLED 24' WIDE,
 remainder portion)

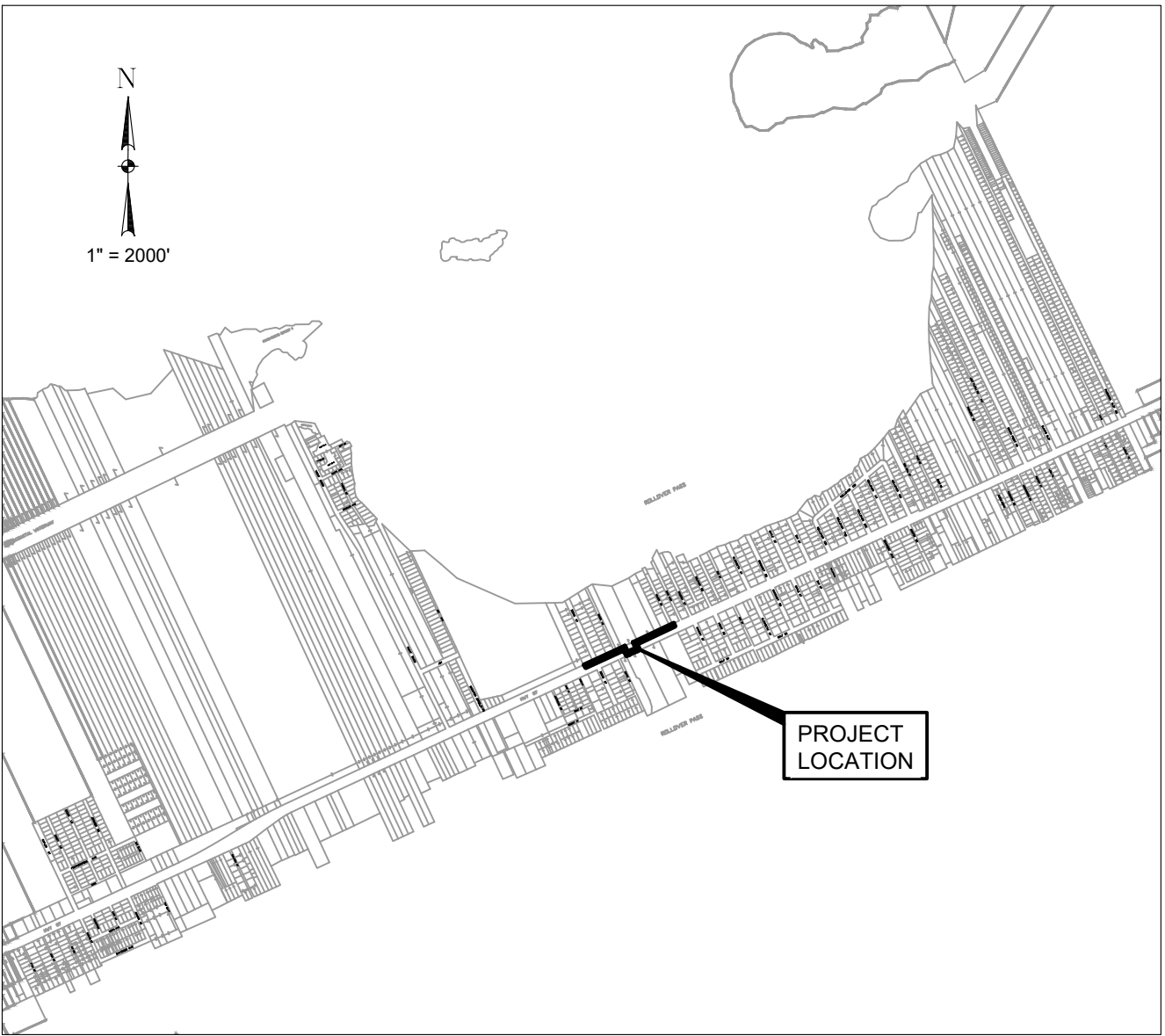
Exhibit C

Construction Specifications

UNDINE LLC – BOLIVAR PENINSULA
CONSTRUCTION PLANS FOR
SANITARY FORCE MAIN IMPROVEMENTS
ALONG HIGHWAY 87 AT ROLLOVER PASS
GALVESTON COUNTY, TEXAS
PROJECT No 040136.01



LOCATION MAP
NTS



VICINITY MAP
1" = 2000'
MAP REF: KEY MAPS 670 & 671 J
ZIP CODE 77617
GALVESTON COUNTY

SHEET INDEX

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 OVERALL SITE PLAN AND SWPPP
- 4 P&P SHEET (STA 1+00 TO STA 8+62)
- 5 P&P SHEET (STA 8+62 TO STA 11+16) (STA 0+00 TO 1+20)
- 6 MISCELLANEOUS DETAILS
- 7 UTILITY DETAILS SHEET PILE PENETRATION

NO.	DATE	REVISION	APP.

A&S Engineers, Inc.

10377 Stella Link Road
Houston, TX 77025
713 / 942 / 2700
Texas Engineering Registration No. F-000802

STATE OF TEXAS
NIRAV N. PATEL
115946
LICENSED PROFESSIONAL ENGINEER

SHEET NO 1 OF 7

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











GENERAL NOTES - OUTSIDE CITY LIMITS


1. CONSTRUCT WASTEWATER COLLECTION SYSTEMS, WATER LINES AND STORM DRAINAGE IN ACCORDANCE WITH THE LATEST EDITION OF THE PUBLICATIONS STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING PUBLISHED BY HOUSTON PUBLIC WORKS.
2. 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.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER AND STORM DRAINAGE LINES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE HOUSTON PUBLIC WORKS 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 REFERENCED ABOVE, AT NO ADDITIONAL COST.
4. CONTRACTOR SHALL NOTIFY THE TEXAS DEPARTMENT OF TRANSPORTATION AND GALVESTON COUNTY PRIOR TO COMMENCING CONSTRUCTION.
5. 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.
6. CONTRACTOR SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.

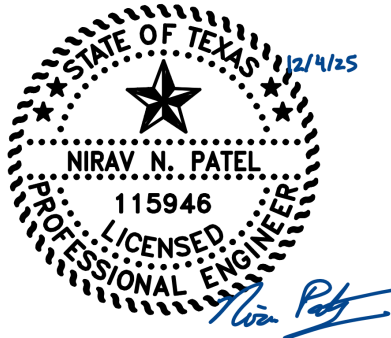
SANITARY SEWER CONSTRUCTION NOTES

1. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HOUSTON "STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, STREET PAVING, AND TRAFFIC" AND ALL CURRENT AMENDMENTS THERETO AND BE SUBJECT TO A STANDARD EXFILTRATION TEST. TESTS ARE TO BE PERFORMED ON THE TOTAL FOOTAGE OF SEWER LINE INCLUDED IN THE PROJECT. REQUIREMENTS OF TEXAS ADMINISTRATIVE CODE, TITLE 30 CHAPTER 217, "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS" SHALL GOVERN WHERE CONFLICTS EXIST EXCEPT WHERE CITY REQUIREMENTS ARE MORE STRINGENT.
2. THE SANITARY SEWER PVC PIPE SHALL BE GREEN PIPE, ASTM D2241 SDR 26 PRESSURE RATED SEWER PIPE BASED ON CONSTRUCTION CONDITION REQUIREMENT AND CONFORMING TO ASTM D1784 AND CITY OF HOUSTON STANDARD SPECIFICATION SECTION 02506 POLYVINYL CHLORIDE PIPE.
3. WHEN SS PRESSURE RATED PVC PIPE IS USED ON WATERLINE (WL) CROSSING UNDER CONDITION 1 OF COH ID# TABLE 7.3, THE SAME TYPE OF D2241 SDR 26 PVC PIPE OR C-900 GREEN DR-18 PVC GREEN PRESSURED TO BE UTILIZING IN-BETWEEN TWO SS MH'S. OR TO UTILIZE A DI TRANSITION ADAPTER FOR THE CONNECTING OF ASTM D-3034 PVC GRAVITY PIPE TO DI-OD AWWA C-900 PVC PIPE CENTERED AT WL WHEN CONNECTING TWO DIFFERENT TYPES OF PVC PIPES FOR SEWER CONSTRUCTION.
4. AWWA C-900 DR-18 PVC PIPE USES EITHER AWWA C900 DR-18 PVC FITTINGS OR DIP FITTINGS.
5. ALL SANITARY SEWER LINES UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL HAVE BEDDING PER CITY OF HOUSTON STANDARD DETAILS DRAWING NUMBERS 02317-01, 02317-02, OR 02317-03 AS APPLICABLE, WITH 1-1/2" SACK CEMENT/CY STABILIZED SAND BACKFILL UP TO THE BOTTOM OF THE PAVEMENT SUBGRADE. 100 PSI PERFORMANCE RESULTS ARE STILL REQUIRED.
6. ALL SANITARY SEWERS CROSSING WATER LINES WITH A CLEARANCE BETWEEN 12 INCHES AND 9 FEET SHALL HAVE A MINIMUM OF ONE 18' JOINT OF 150 PSI DUCTILE IRON OR (GREEN) C900 PVC PIPE MEETING ASTM SPECIFICATION D2241 CENTERED ON WATER LINE. WHEN WATER LINE IS BELOW SANITARY SEWER, PROVIDE MINIMUM 2 FOOT SEPARATION.
7. CONTRACTOR SHALL PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 9' FEET BETWEEN WATER LINES AND SANITARY SEWER MANHOLES AND LINES.
8. IN WET STABLE TRENCH AREAS USE BEDDING PER CITY OF HOUSTON STANDARD DETAILS DRAWING NUMBER 02317-02.
9. DEFLECTION TEST: DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE AND SEMI-RIGID SEWER PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5% IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED AS PER 30 TAC 217.57 LATEST AMENDMENT AND WITHOUT MECHANICAL PULLING DEVICES. NO BALL-TYPE MANDREL IS ALLOWED.
10. INFILTRATION, EXFILTRATION OR LOW-PRESSURE AIR TEST: EITHER OF THE FOLLOWING TESTS SHALL BE PERFORMED AS PER TAC, TITLE 30 217.57 WITHIN THE SPECIFIED TOLERANCES ON ALL GRAVITY SEWERS.
 - A. INFILTRATION OR EXFILTRATION TEST: TOTAL LEAKAGE AS DETERMINED BY A HYDROSTATIC HEAD TEST SHALL NOT EXCEED 50 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER 24 HOURS AT A MINIMUM TEST HEAD OF TWO (2) FEET.
 - B. LOW-PRESSURE AIR TEST: PERFORM TEST ACCORDING TO UNI-B-6-90 OR OTHER APPROPRIATE PROCEDURES. FOR SECTIONS OF PIPE LESS THAN 36" (INCH) AVERAGE INSIDE DIAMETER, THE MINIMUM ALLOWABLE TIME FOR PRESSURE DROP FROM 3.5 P.S.I.G. TO 2.5 P.S.I.G. SHALL BE AS FOLLOWS:
 - 6" 340 SECONDS OR 0.855(L) FOR TEST LENGTHS GREATER THAN 398'
 - 8" 454 SECONDS OR 1.520(L) FOR TEST LENGTHS GREATER THAN 298'
 - 10" 567 SECONDS OR 2.374(L) FOR TEST LENGTHS GREATER THAN 239'
 - 12" 680 SECONDS OR 3.419(L) FOR TEST LENGTHS GREATER THAN 199'
 - 15" 850 SECONDS OR 5.342(L) FOR TEST LENGTHS GREATER THAN 159'
 - 18" 1020 SECONDS OR 7.693(L) FOR TEST LENGTHS GREATER THAN 133'WHERE L = LENGTH OF LINE OF SAME PIPE SIZE IN FEET.
14. "SAN. S. E." INDICATES "SANITARY SEWER EASEMENT"

LEGEND:

- 
- POWER POLE
- 
- TELEPHONE PEDESTAL
- 
- GUY WIRE
- 
- FIRE HYDRANT
- 
- WATER METER
- 
- WATER VALVE
- 
- CL OF DITCH
- 
- TOP OF BANK
- 
- OVERHEAD ELECTRIC
- 
- CHAIN LINK FENCE
- 
- EXIST FORCE MAIN
- 
- PROPOSED FORCE MAIN

A&S Engineers, Inc.

10377 Stella Link Road
Houston, TX 77025
713 / 942 / 2700
Texas Engineering Registration No. F-000802



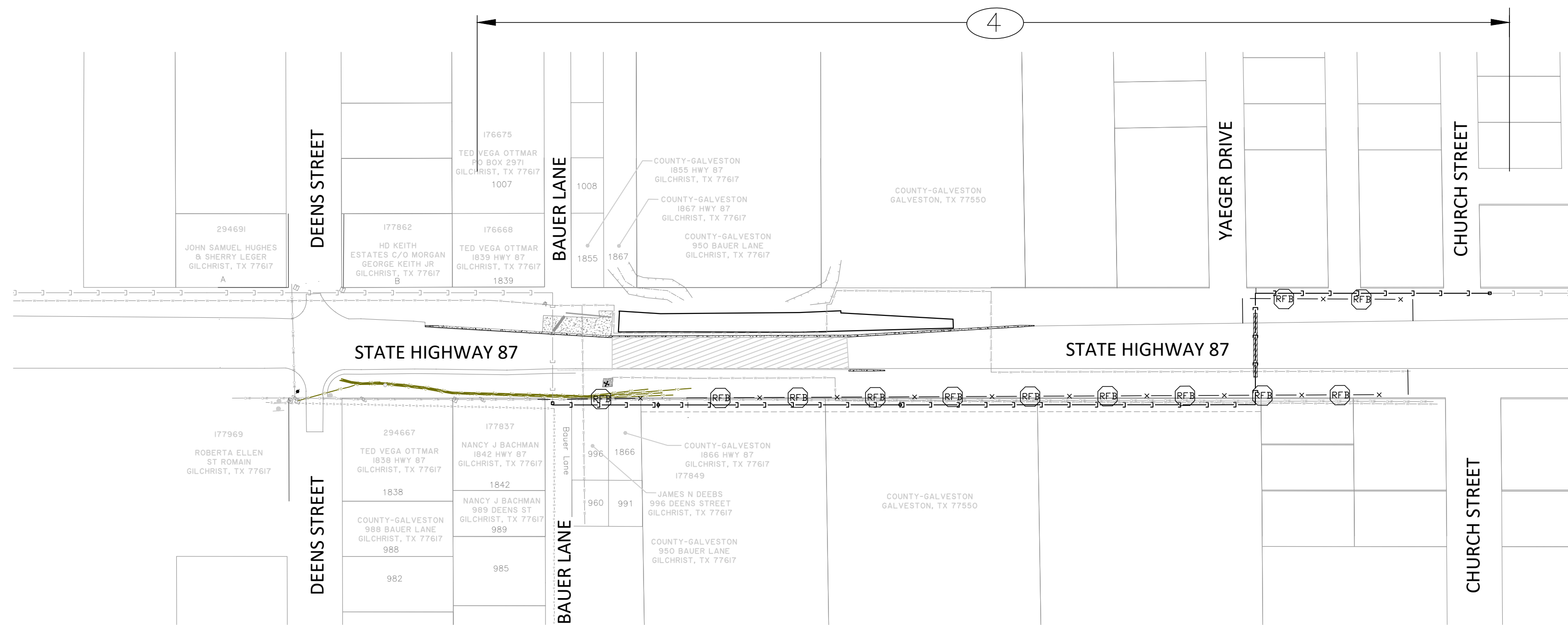
UNDINE LLC - BOLIVAR PENINSULA
SANITARY FORCE MAIN IMPROVEMENTS
ALONG STATE HWY 87 AT ROLLOVER PASS

GENERAL NOTES

DRAWING SCALE: N/A

SHEET 2 OF 7

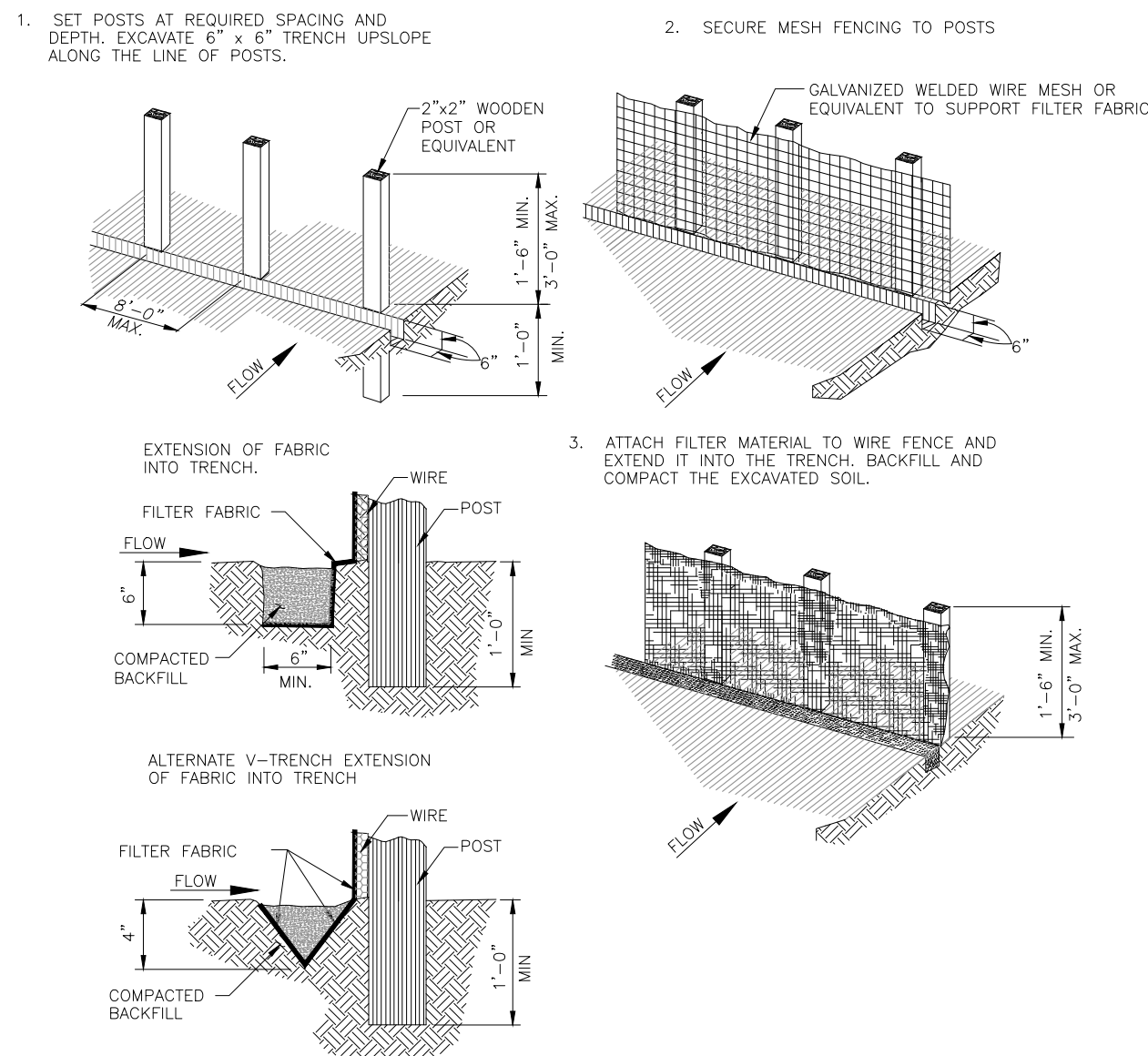
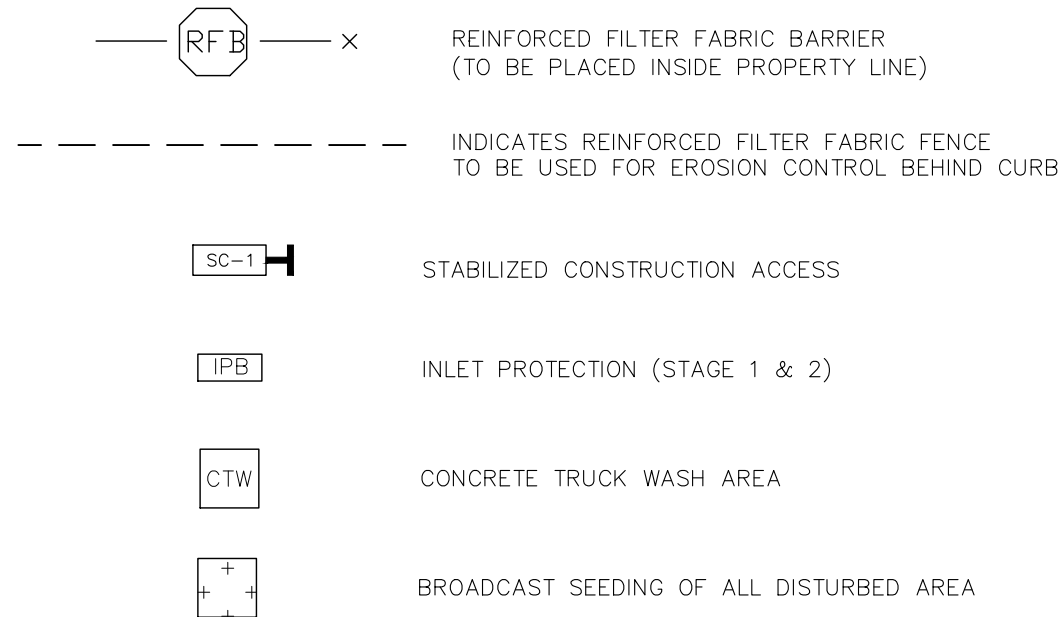
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GENERAL NOTES TO CONTRACTOR

1. LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS, USE A LINER UNDER ABOVE GROUND STORAGE TANKS, USE SILT FENCING, HAY BALES, OR BERMS AROUND FUEL STORAGE AREAS.
2. CONTRACTOR WILL ADVISE OWNER IMMEDIATELY, VERBALLY, AND IN WRITING, OF ANY FUEL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA AND THE ACTIONS TAKEN TO REMEDY THE PROBLEM.
3. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL ENVIRONMENTAL LAWS.
4. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF FUELS, MATERIALS, AND EXCAVATIONS IN A LEGALLY APPROVED MANNER.
5. CONTRACTOR IS TO INSPECT ALL STRUCTURAL CONTROLS SPECIFIED HEREIN, AT A MINIMUM, ONCE EVERY 7 CALENDAR DAYS OR WITHIN 24 HOURS AFTER ANY STORM EVENT THAT MEETS OR EXCEEDS 0.5 INCHES/24 HOUR PERIOD.
6. CONTRACTOR WILL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATELY MAINTAINED SANITARY FACILITIES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, IDENTIFICATION AND REMOVAL OF ALL DEBRIS FOR DESIGNATED CONCRETE WASH OUT SITE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR STREET CLEANING, ON A DAILY BASIS, ALL MUD AND DIRT DEPOSITED ON THE EXISTING PAVEMENT DUE TO HIS CONSTRUCTION ACTIVITY.
10. CONTRACTOR SHALL POST PROJECT INFORMATION, LOCATION OF THE STORM WATER POLLUTION PREVENTION PLAN AND ALL NPDES PERMITS.
11. CONTRACTOR SHALL CONFORM WITH TPDES GENERAL PERMIT NO. TXR150000.
12. CONTRACTOR SHALL PROVIDE INLET PROTECTION BARRIERS FOR ALL CURB INLETS PER DETAIL.

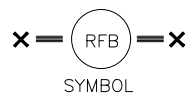
STORM WATER POLLUTION PREVENTION PLAN DETAILS



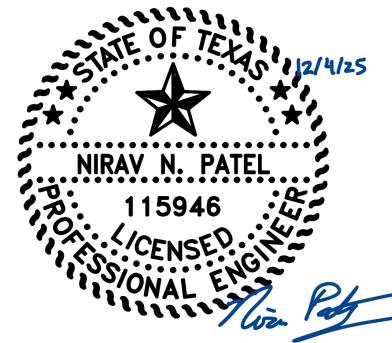
GENERAL NOTES:

1. SECURELY FASTEN MESH FENCING TO POSTS WITH STAPLES OR TIE WIRES.
2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD TOGETHER, AND ATTACH TO A POST.
4. REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

REINFORCED FILTER FABRIC BARRIER



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Texas Engineering Registration No. F-000802



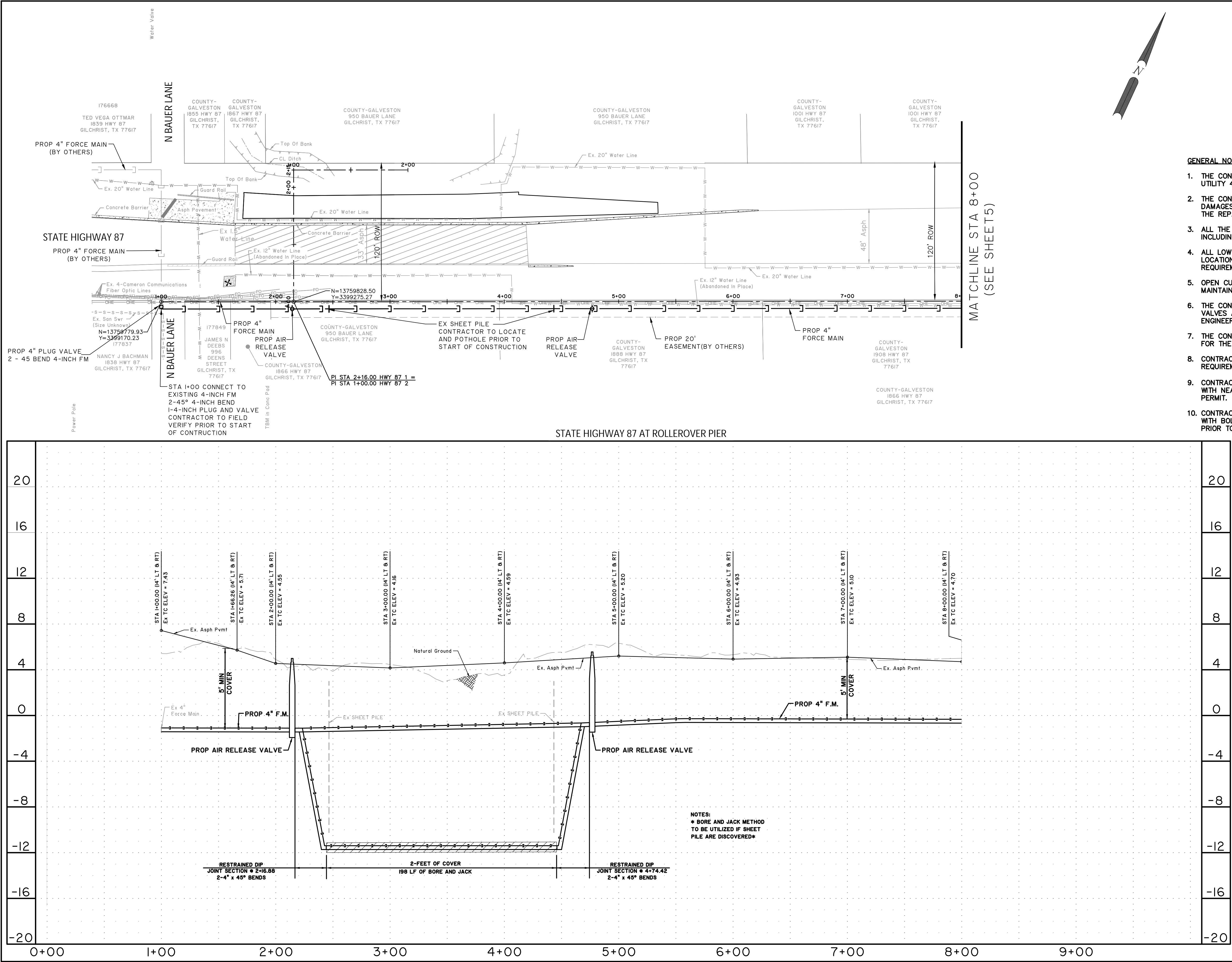
UNDINE LLC - BOLIVAR PENINSULA
SANITARY FORCE MAIN IMPROVEMENTS
ALONG STATE HWY 87 AT ROLLOVER PASS

OVERALL SITE PLAN AND SWPPP

DRAWING SCALE: H : 1"=100'

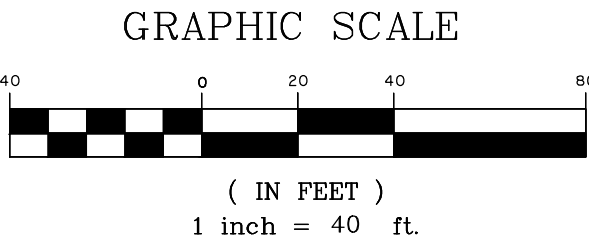
SHEET 3 OF 7

FILE: H:\04013601 - ROLLOVER PASS\DWG\P&P SHEET (STA 1+00 TO STA 8+62).DWG December 4, 2025 - 4:03 PM conference

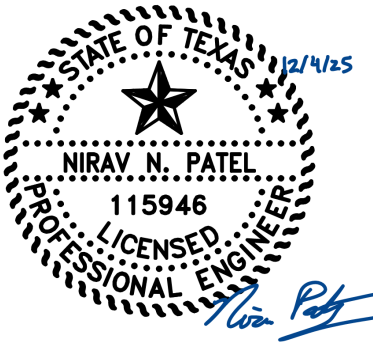


GENERAL NOTES:

1. THE CONTRACTOR SHALL CALL 811 TO IDENTIFY ALL THE EXISTING UTILITY 48 HOURS PRIOR TO START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO THE EXISTING PUBLIC OR PRIVATE UTILITY LINES. ALL THE REPAIRS SHALL BE REPAIRED WITH NO COST TO THE OWNER.
3. ALL THE LOWER PRESSURE SEWER LINES WITH CROSSING UTILITIES INCLUDING WATER SHALL BE IN ACCORDANCE WITH TCEQ REGULATIONS.
4. ALL LOW PRESSURE SEWER LINES SHALL BE ENCASED AT ALL LOCATIONS FOR COUNTY ROAD CROSSING PER COUNTY ENGINEER REQUIREMENTS.
5. OPEN CUT PIPE INSTALLATION WILL NOT BE ALLOWED IN THE COUNTY MAINTAINED PAVING.
6. THE CONTRACTOR TO SUBMIT MANUFACTURER DATA FOR ALL PIPE, VALVES AND FITTINGS PRIOR TO START OF CONSTRUCTION FOR ENGINEER APPROVAL.
7. THE CONTRACTOR TO FOLLOW UNDINE LLC STANDARD SPECIFICATION FOR THE LOW PRESSURE SANITARY SERVICE LATERAL CONNECTIONS.
8. CONTRACTOR TO INSTALL ALL ENCASEMENT PIPING PER TXDOT REQUIREMENTS. SEE DETAIL ON DETAILS SHEET.
9. CONTRACTOR TO COORDINATE CONSTRUCTION/TRAFFIC CONTROL PLANS WITH NEAREST TXDOT MAINTENACE OFFICE AFTER APPROVAL OF PERMIT.
10. CONTRACTOR TO VERIFY THE EXACT LOCATION OF THE WATER MAIN WITH BOLIVAR PENINSULA SPECIAL UTILITY DISTRICT AT 409-684-3515 PRIOR TO START OF CONSTRUCTION.



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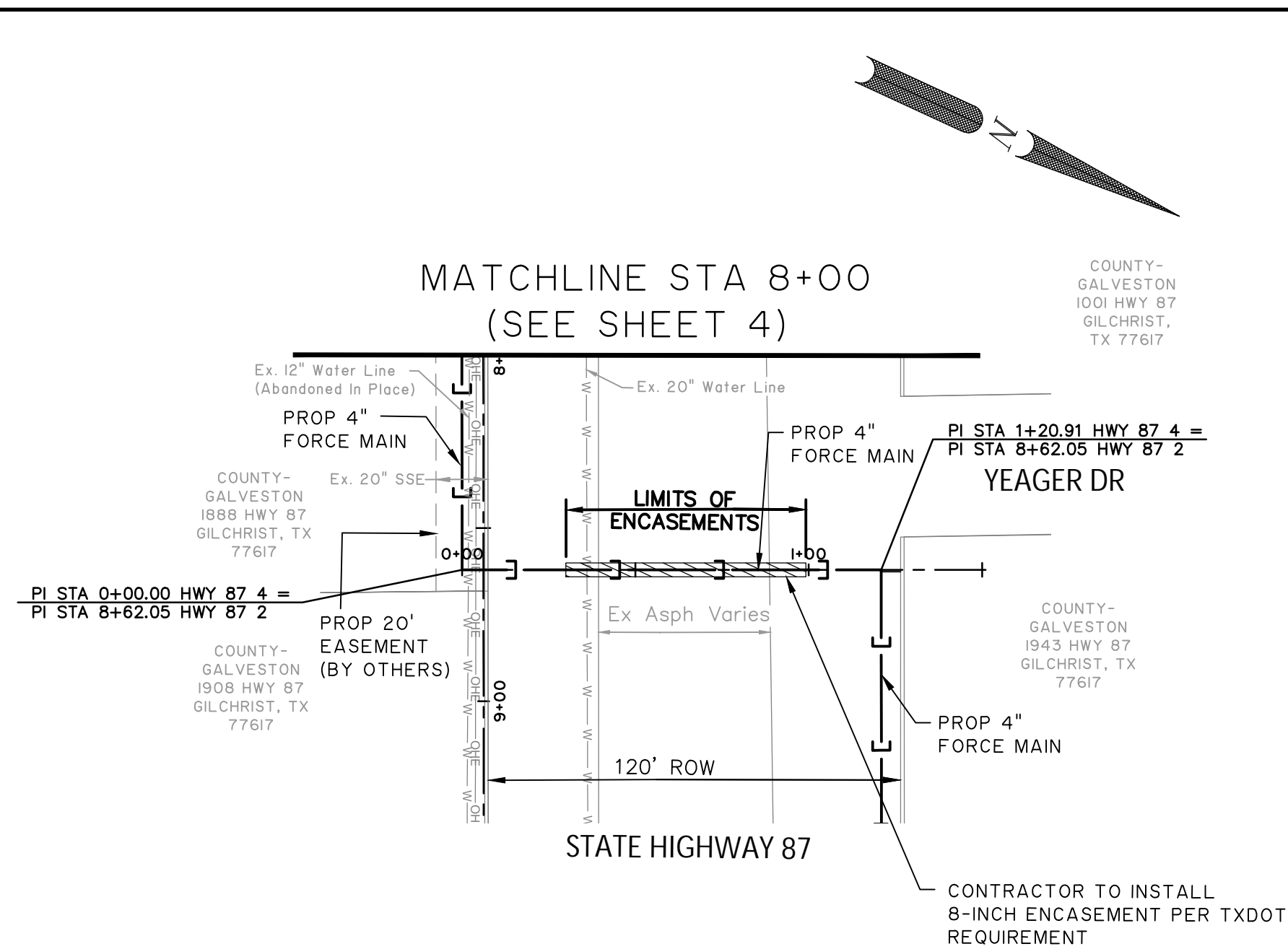


UNDINE LLC - BOLIVAR PENINSULA
SANITARY FORCE MAIN IMPROVEMENTS
ALONG STATE HWY 77 AT ROLLOVER PASS

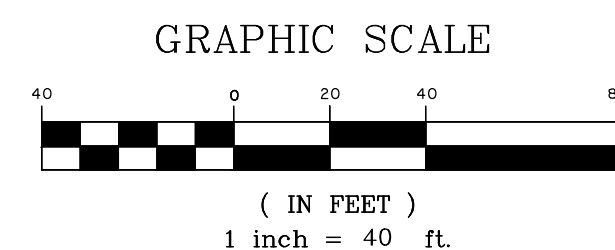
P&P SHEET (STA 1+00 TO STA 8+16)


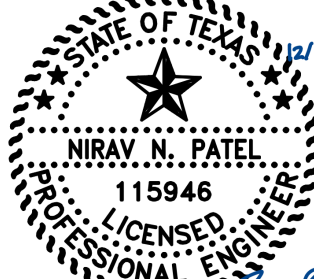
DRAWING SCALE: H : 1"=40'
V : 1"=4'

SHEET 4 OF 7

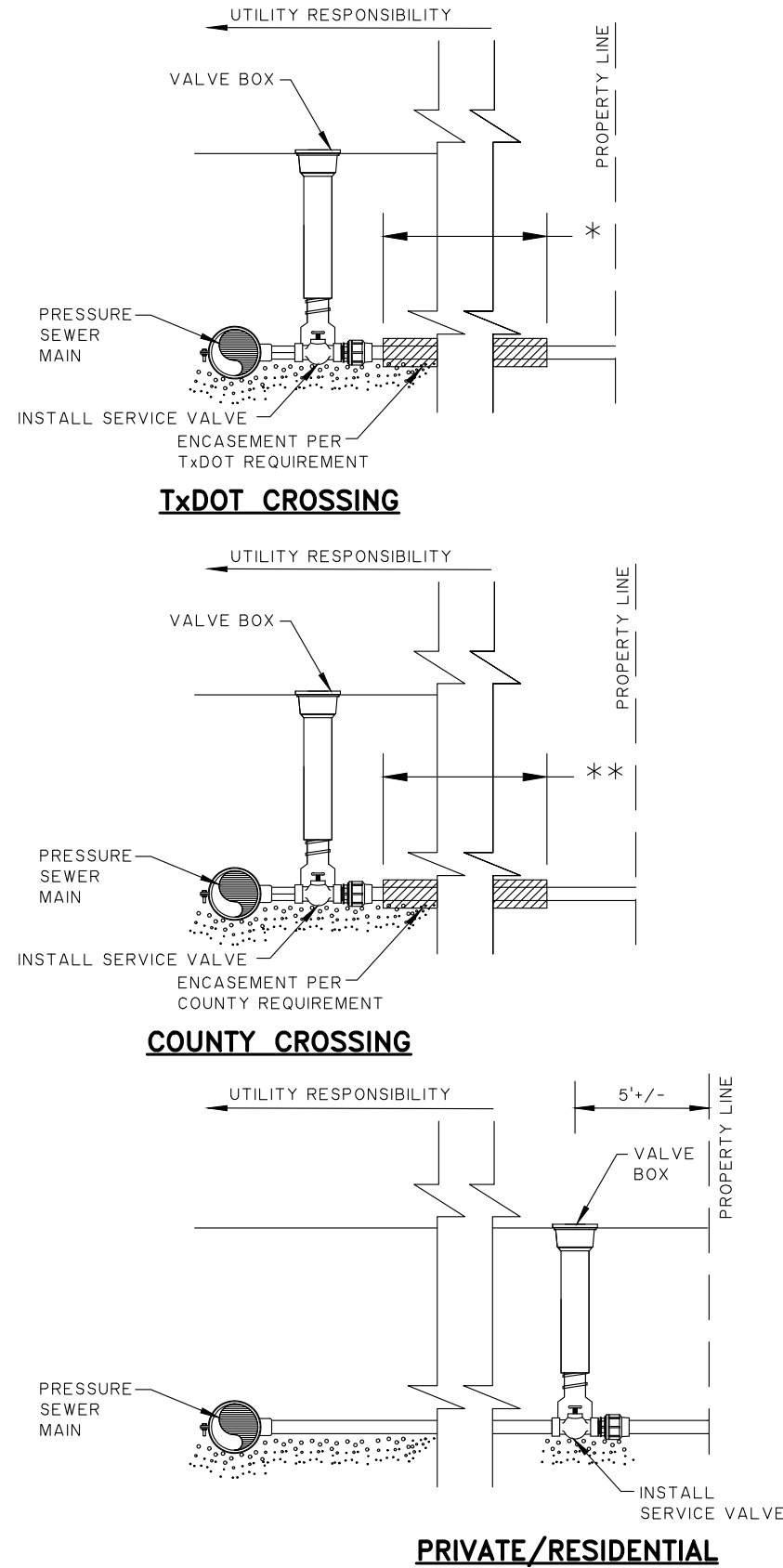
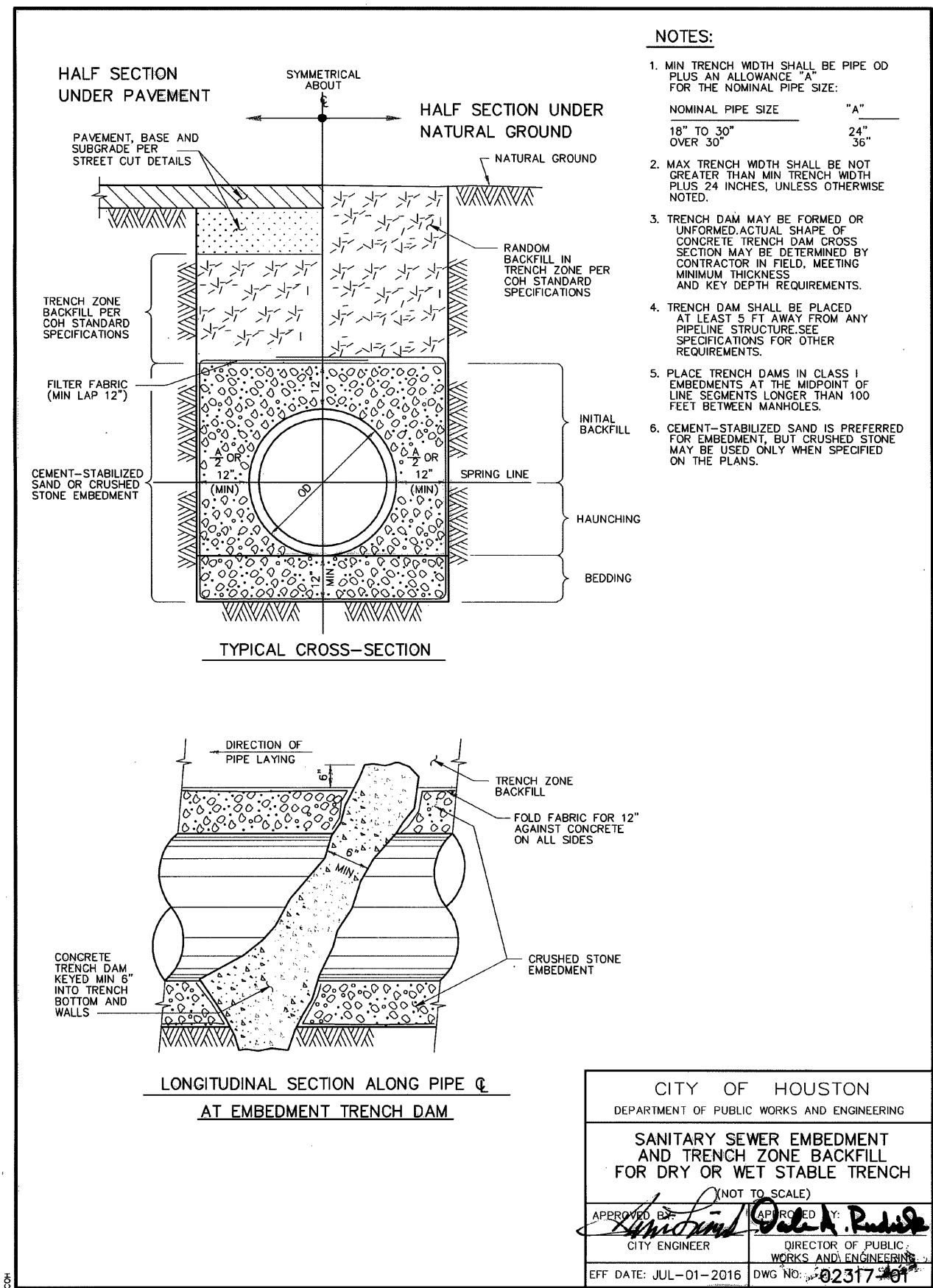


- STATE HIGHWAY 87 AT ROLLEROVER PIER

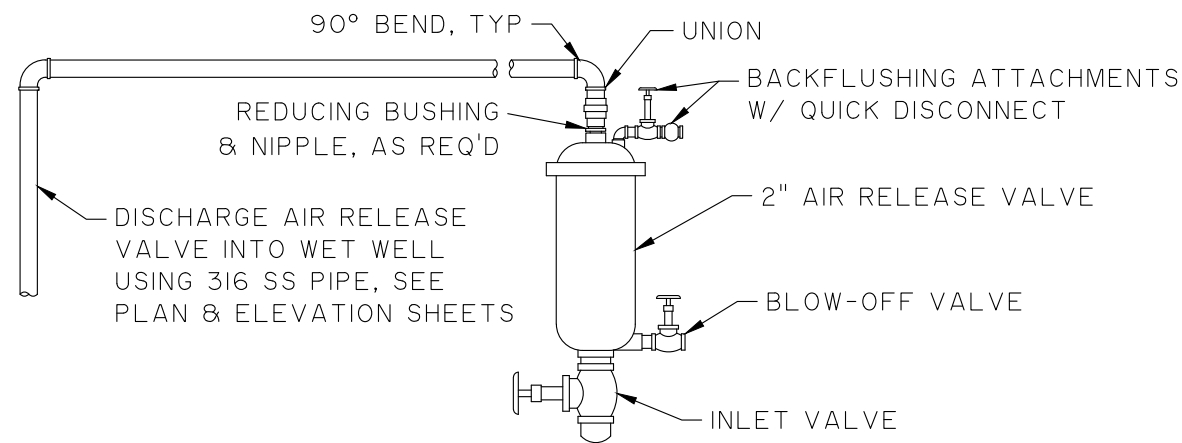
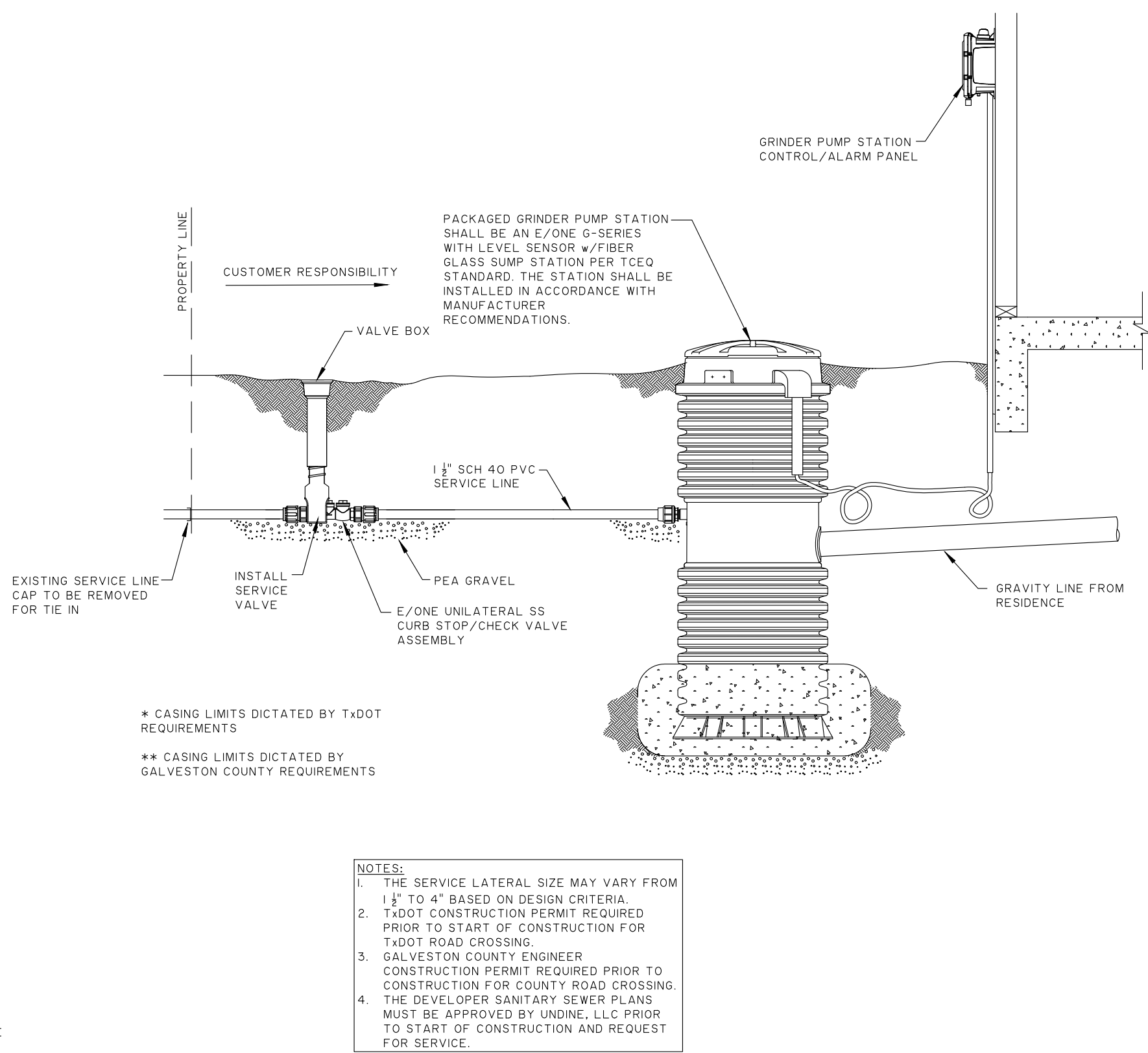


<p>A&S Engineers, Inc.</p>  <p>10377 Stella Link Road Houston, TX 77025 713 / 942 / 2700 Texas Engineering Registration No. F-000802</p>	 <p><i>Nirav Patel</i></p>		
<p>UNDINE LLC - BOLIVAR PENINSULA SANITARY FORCE MAIN IMPROVEMENTS ALONG STATE HWY 87 AT ROLLOVER PASS</p> <p>P&P SHEET(STA 8+62 TO STA 11+16) (STA 0+00 TO STA 1+20)</p> <table border="1" data-bbox="2607 1917 3027 1939"> <tr> <td data-bbox="2607 1917 2815 1939"> <p>DRAWING SCALE: H : 1"=40' V : 1"=4'</p> </td> <td data-bbox="2815 1917 3027 1939"> <p>SHEET 5 OF 7</p> </td> </tr> </table>		<p>DRAWING SCALE: H : 1"=40' V : 1"=4'</p>	<p>SHEET 5 OF 7</p>
<p>DRAWING SCALE: H : 1"=40' V : 1"=4'</p>	<p>SHEET 5 OF 7</p>		

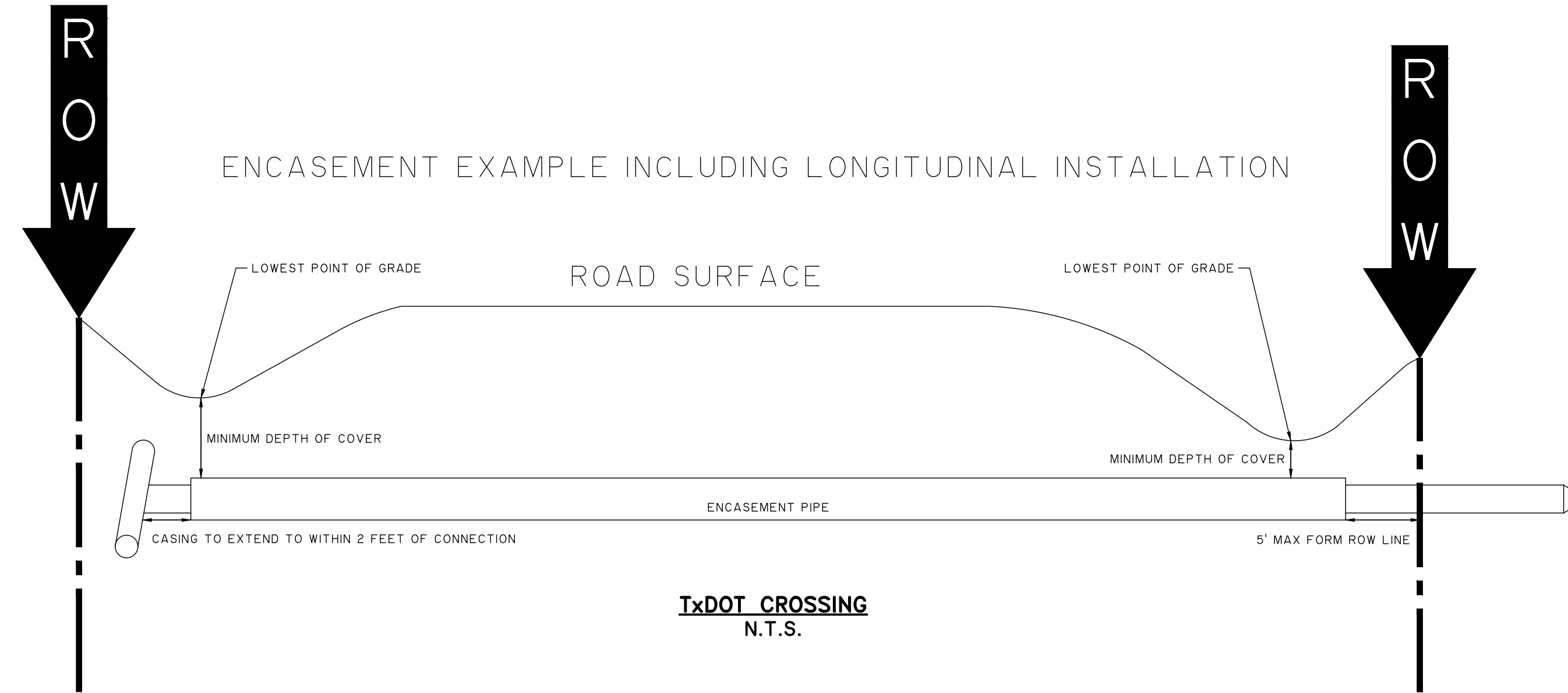
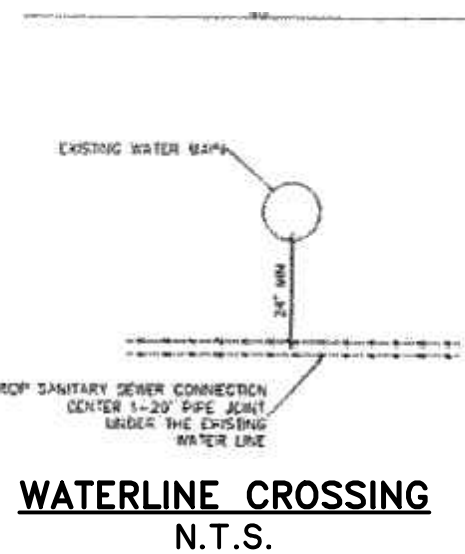
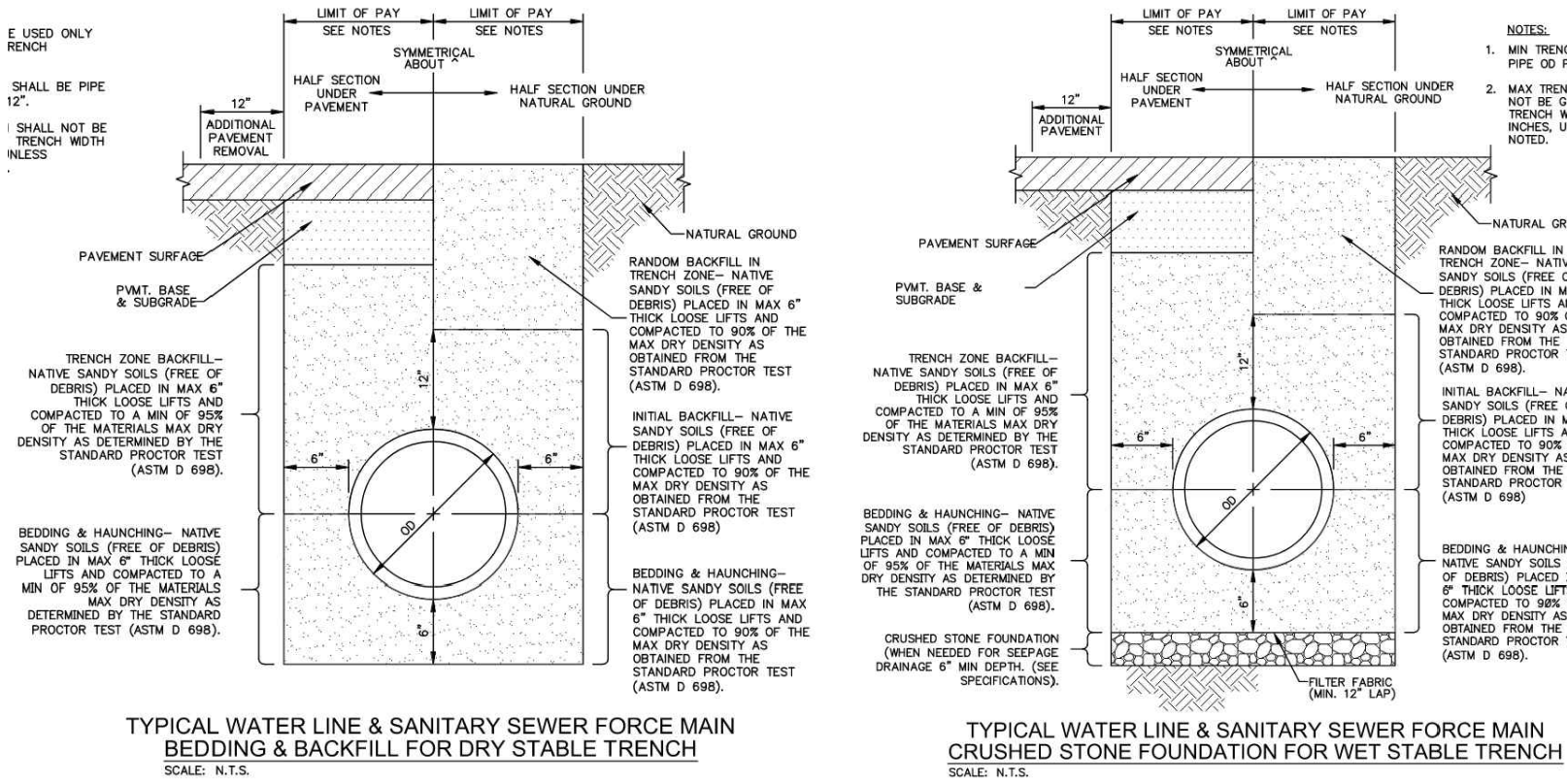
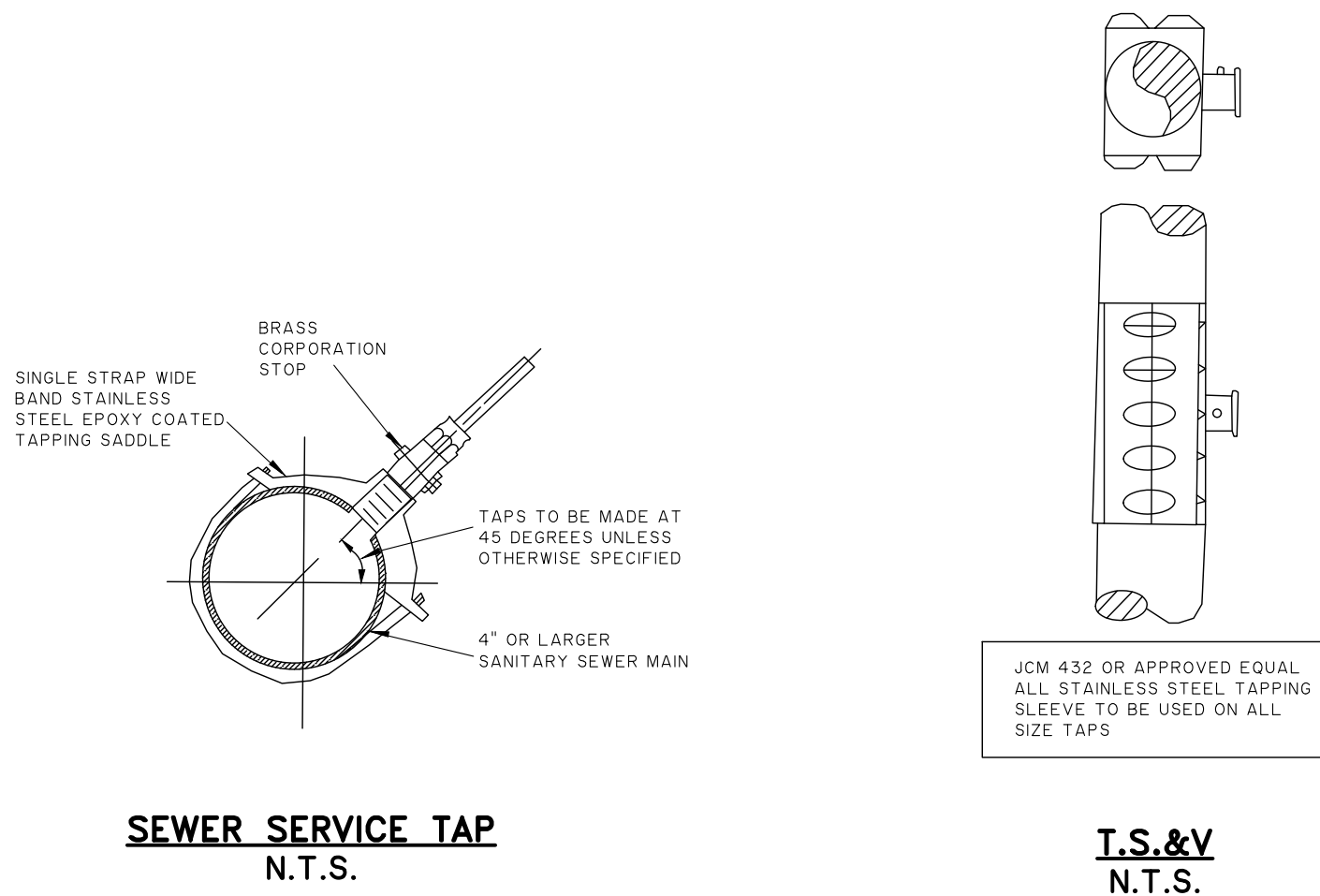
FILE: H:\040136.01 - ROLLOVER PASS\DWG\6 MISCELLANEOUS DETAILS.DWG November 26, 2025 - 12:12 PM .jod



STANDARD SUBDIVISION SERVICE CONNECTION



TYPICAL AIR RELEASE VALVE
NOT TO SCALE



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STATE OF TEXAS
12/1/15
NIRAV N. PATEL
115946
LICENSED PROFESSIONAL ENGINEER

UNDINE LLC - BOLIVAR PENINSULA
SANITARY FORCE MAIN IMPROVEMENTS
ALONG STATE HWY 87 AT ROLLOVER PASS

MISCELLANEOUS DETAILS

DRAWING SCALE: N/A

SHEET 6 OF 7



SCALE: 6" = 1' - 0"



SCALE: 6" = 1' - 0"



SECTION THRU SHEETPILE WALL

NTS

- NOTES:
1. THIS DETAIL IS BASED ON THE NEW WALL FACE BEING PERPENDICULAR TO THE PIPE.
 2. GAS AND PETROLEUM PIPELINES MAY REQUIRE THAT A 1.5" MINIMUM CONCRETE COATING BE APPLIED BEFORE THE SLEEVE IS INSTALLED.
 3. ALL FLANGE MATERIAL ATTACHED TO THE SHEETPILE SHALL BE STEEL.
 4. ALL MATERIAL FOR FRONTING PROTECTION SHALL BE ALUMINUM, UNLESS OTHERWISE NOTED.
 5. ALL STRUCTURAL ALUMINUM PLATES SHALL BE ASTM B 209, TYPE 6061-T6
 6. ALL CORROSION-RESISTANT STEEL (C.R.S.) SHALL BE TYPE 316.
 7. WELDS SHOWN ARE TYPICAL FOR SIMILAR JOINTS AND ALL WELDS ON WALL SIDE OF FACE PLATE SHALL BE FLUSH WITH BASE METAL.
 8. AFTER THE TWO FRAMES ARE LOOSELY CLAMPED ON THE PIPE, THE TOTAL ASSEMBLY SHALL BE PUSHED AGAINST THE WALL, SETTING THE SEALS, THEN TIGHTEN CLAMP PLATES TO CLOSE THE 1/4" GAP
 9. UPON COMPLETION OF THE ASSEMBLY, APPLY A ANAEROBIC ADHESIVE (LOCTITE THREADLOCKER 290 OR EQUAL) TO ALL NUT AND BOLT JUNCTURES.



NOTE:
SET SEAL FOR A MINIMUM OF A
1/4" INITIAL DEFLECTION

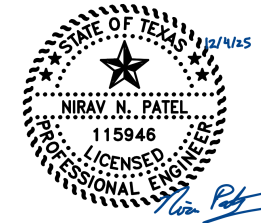
SECTION **(A)**

SCALE: 3" = 1' - 0"



SECTION (B)

SCALE: 3" = 1' - 0"

[illegible]

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT NEW ORLEANS, LOUISIANA	DESIGNED BY:	DATE:
	USACE - NEW ORLEANS DWM BY: CKD BY:	SOLICITATION NO.:
	SUBMITTED BY:	CONTRACT NO.:
	PLOT SCALE: PLOT DATE: 1.5" = 1'	FILE NUMBER:
	SIZE: FILE NAME: ANSI D AE-TYP3.DGN	

USACE - NEW ORLEANS
HURRICANE DESIGN GUIDELINES
A/E TYPICAL DRAWINGS