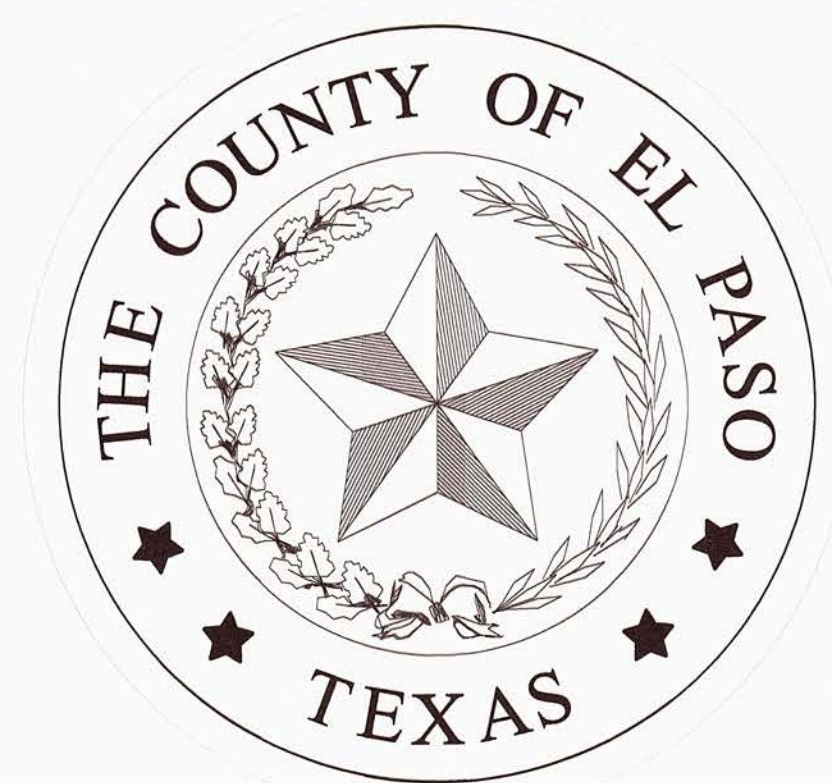


# ASCARATE PARK LIFT STATION & SEWER IMPROVEMENTS



## EL PASO COUNTY COMMISSIONERS COURT

RICARDO SAMANIEGO  
COUNTY JUDGE

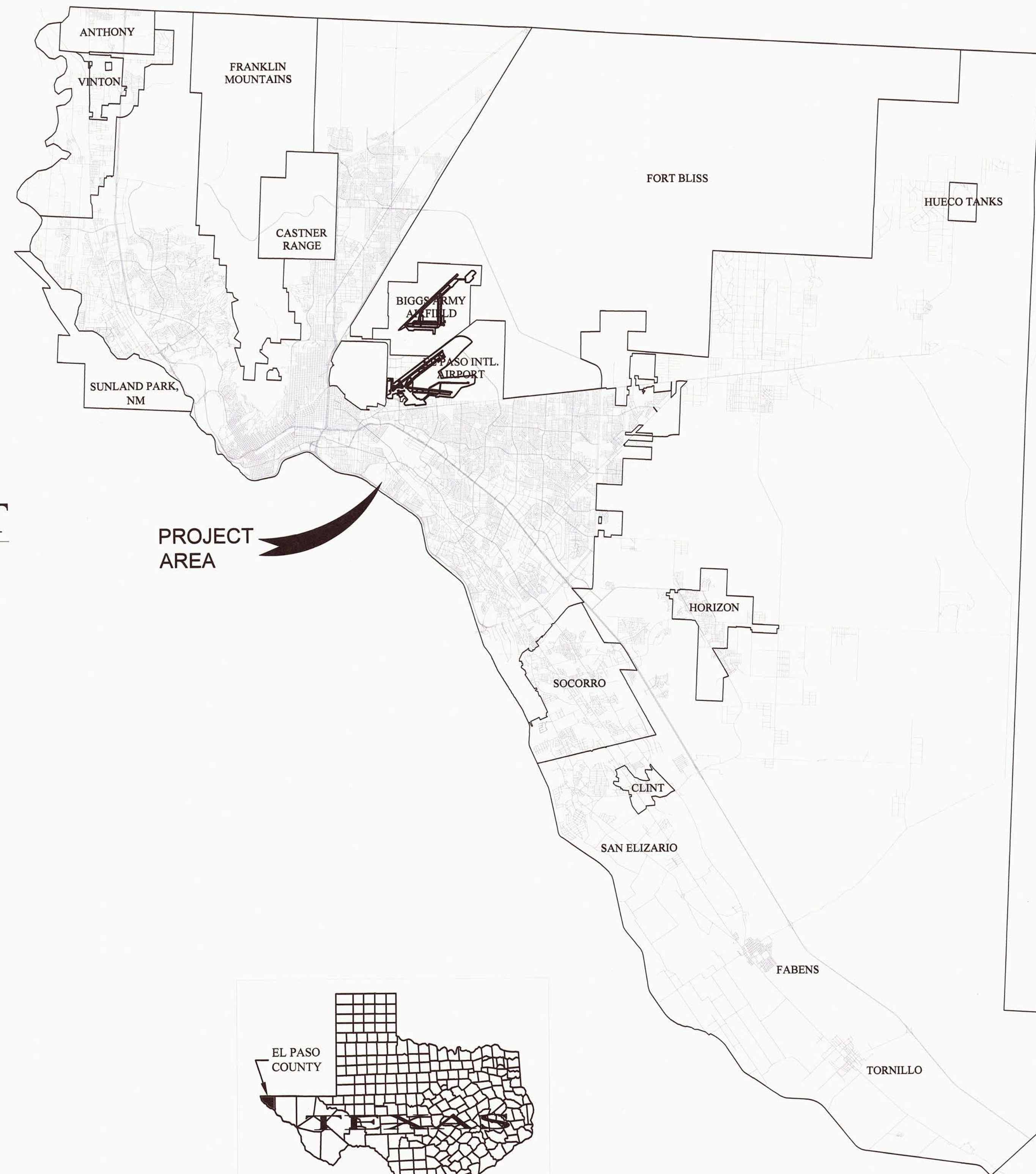
CARLOS LEON  
COMMISSIONER PCT. 1

DAVID STOUT  
COMMISSIONER PCT. 2

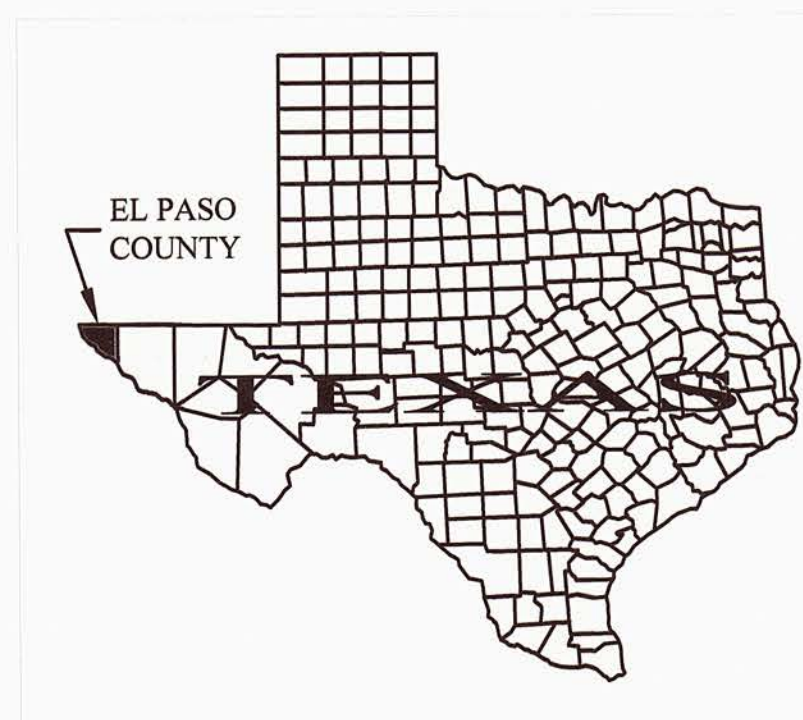
VINCENT PEREZ  
COMMISSIONER PCT. 3

CARL L. ROBINSON  
COMMISSIONER PCT. 4

FERNANDO HERNANDEZ, P.E.  
COUNTY ENGINEER



PROJECT AREA



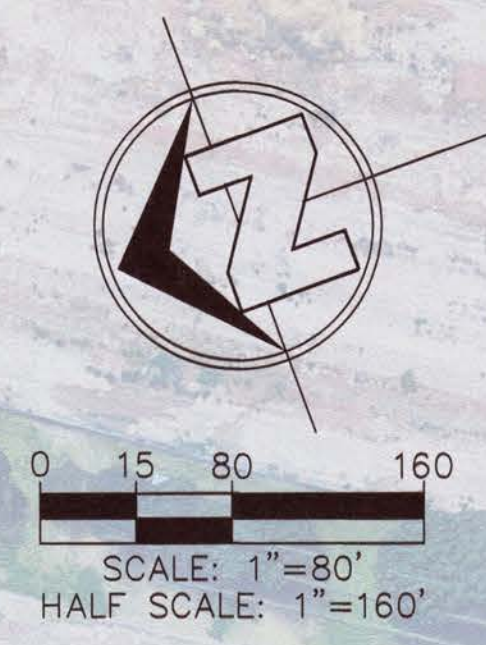
EL PASO COUNTY, TEXAS

## INDEX OF SHEETS

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ENLARGED SANITARY SEWER PLAN VIEWS	2-4
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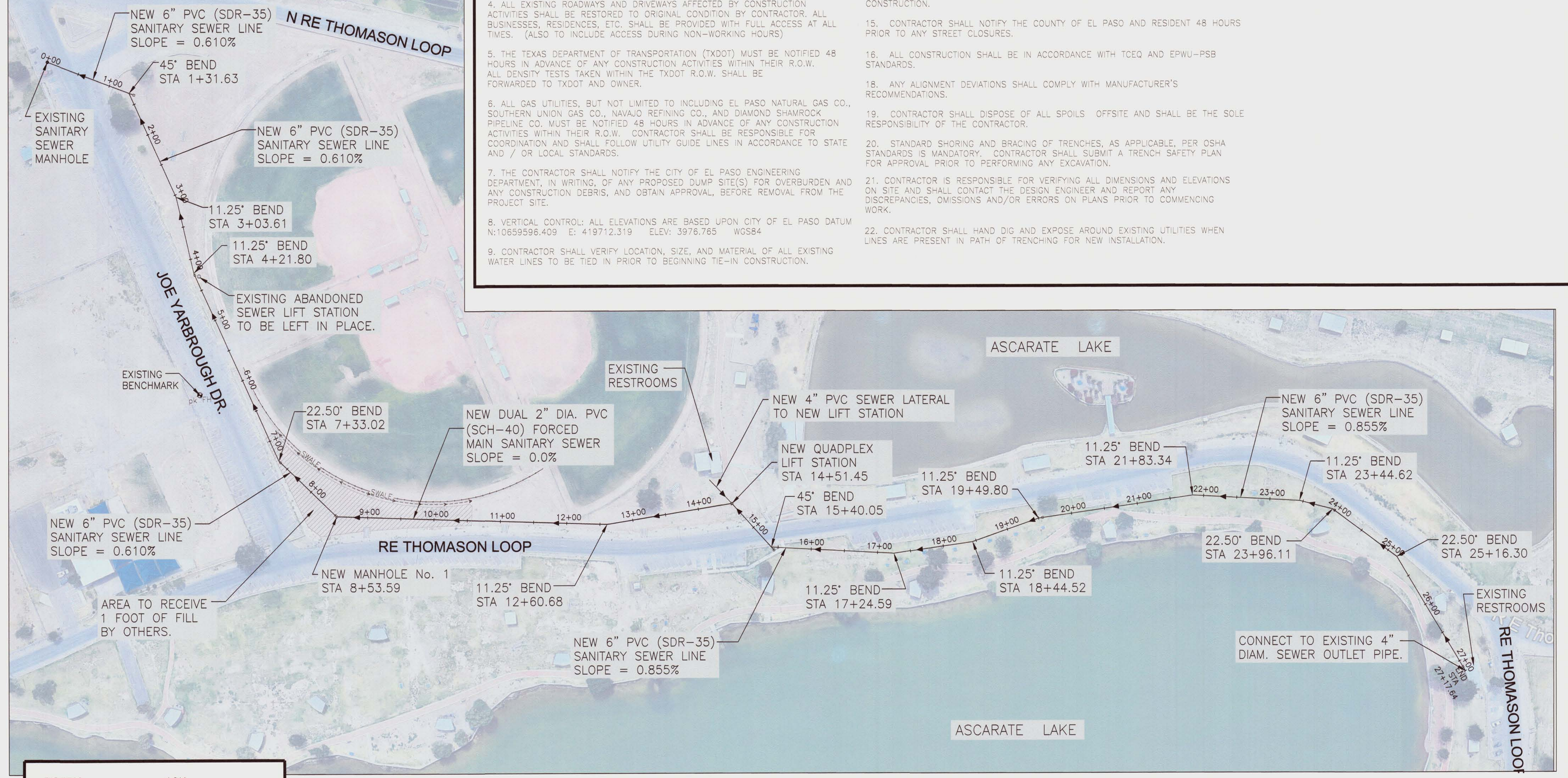


**NOTE:**  
REFER TO ENLARGED  
SANITARY SEWER PLAN VIEWS  
FOR ADDITIONAL DETAILS AND  
INFORMATION.



**GENERAL NOTES**

1. ALL EXISTING WATER LINES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION OF THE NEW LINES EXCEPT AS NOTED IN THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING WATER LINES AND ALL OTHER UTILITIES (INCLUDING SERVICE CONNECTIONS) FROM DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES.
2. ALTHOUGH ALL EFFORTS HAVE BEEN MADE TO INDICATE ALL EXISTING UTILITIES ON PLANS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE & PROTECT ALL SAID UTILITIES AS WELL AS SERVICE CONNECTIONS (WHETHER INDICATED ON PLANS OR NOT) PRIOR TO AND DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH GAS, ELECTRIC, TELEPHONE, CABLE TV, WATER UTILITIES AND OWNERS FOR ANY RELOCATION AND/OR PROTECTION OF EXISTING LINES OR CABLES AS REQUIRED DUE TO CONSTRUCTION ACTIVITIES.
4. ALL EXISTING ROADWAYS AND DRIVEWAYS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR. ALL BUSINESSES, RESIDENCES, ETC. SHALL BE PROVIDED WITH FULL ACCESS AT ALL TIMES. (ALSO TO INCLUDE ACCESS DURING NON-WORKING HOURS)
5. THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) MUST BE NOTIFIED 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES WITHIN THEIR R.O.W. ALL DENSITY TESTS TAKEN WITHIN THE TXDOT R.O.W. SHALL BE FORWARDED TO TXDOT AND OWNER.
6. ALL GAS UTILITIES, BUT NOT LIMITED TO INCLUDING EL PASO NATURAL GAS CO., SOUTHERN UNION GAS CO., NAVAJO REFINING CO., AND DIAMOND SHAMROCK PIPELINE CO. MUST BE NOTIFIED 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES WITHIN THEIR R.O.W. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND SHALL FOLLOW UTILITY GUIDE LINES IN ACCORDANCE TO STATE AND / OR LOCAL STANDARDS.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF EL PASO ENGINEERING DEPARTMENT, IN WRITING, OF ANY PROPOSED DUMP SITE(S) FOR OVERBURDEN AND ANY CONSTRUCTION DEBRIS, AND OBTAIN APPROVAL, BEFORE REMOVAL FROM THE PROJECT SITE.
8. VERTICAL CONTROL: ALL ELEVATIONS ARE BASED UPON CITY OF EL PASO DATUM N:10659596.409 E: 419712.319 ELEV: 3976.765 WGS84
9. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND MATERIAL OF ALL EXISTING WATER LINES TO BE TIED IN PRIOR TO BEGINNING TIE-IN CONSTRUCTION.
10. THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO SUBMITTING THEIR BID.
11. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE AUTOMOBILE AND PEDESTRIAN ACCESS AT ALL TIMES, INCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS. THIS INCLUDES BUT NOT LIMITED TO DRIVEWAYS, STREETS AND ALLEYS. THIS REQUIREMENT SHALL BE FULFILLED AT NO EXTRA COST TO THE OWNER.
12. ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS UNLESS OTHERWISE SPECIFIED ON PLANS.
13. VIBRATORY ROLLERS SHALL NOT BE PERMITTED ON ANY PHASE OF THIS PROJECT UNLESS APPROVED BY OWNER.
14. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A TRAFFIC CONTROL PLAN TO THE COUNTY OF EL PASO AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION.
15. CONTRACTOR SHALL NOTIFY THE COUNTY OF EL PASO AND RESIDENT 48 HOURS PRIOR TO ANY STREET CLOSURES.
16. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TCEQ AND EPWU-PSB STANDARDS.
18. ANY ALIGNMENT DEVIATIONS SHALL COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
19. CONTRACTOR SHALL DISPOSE OF ALL SPOILS OFFSITE AND SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
20. STANDARD SHORING AND BRACING OF TRENCHES, AS APPLICABLE, PER OSHA STANDARDS IS MANDATORY. CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN FOR APPROVAL PRIOR TO PERFORMING ANY EXCAVATION.
21. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS AND/OR ERRORS ON PLANS PRIOR TO COMMENCING WORK.
22. CONTRACTOR SHALL HAND DIG AND EXPOSE AROUND EXISTING UTILITIES WHEN LINES ARE PRESENT IN PATH OF TRENCHING FOR NEW INSTALLATION.
23. CONTRACTOR SHALL CREATE A VIDEO LOG OF THE CONSTRUCTION SITE BEFORE MOBILIZING ONTO SITE. VIDEO LOG SHALL INCLUDE PRE-CONSTRUCTION CONDITIONS ALONG ROADSIDE AND ALONG PROPERTY CONNECTION ROUTES. CONTRACTOR SHALL PROVIDE TWO ELECTRONIC COPIES OF VIDEO LOG TO OWNER TO VERIFY ACTUAL CONDITIONS.
24. CONTRACTOR SHALL FIELD ADJUST WATERLINES TO ALLOW FOR A MINIMUM OF 5 FEET SEPARATION TO GAS LINES THAT PARALLEL EACH OTHER.
25. CONTRACTOR SHALL SECURE ALL CONSTRUCTION ACTIVITIES DURING WORKING AND NON-WORKING HOURS. SINCE THIS IS AN ACTIVE PARK, EXTRA PRECAUTION SHALL BE UTILIZED TO ENSURE THE SAFETY OF THE PUBLIC.



- |                               |                         |
|-------------------------------|-------------------------|
| DIG TESS                      | - 1-811                 |
| EL PASO ELECTRIC CO.          | - 543-2047              |
| TEXAS GAS SERVICE             | - 544-8300              |
| AT&T                          | - 1-800-286-8343        |
| TIME WARNER CABLE             | - 772-1123              |
| ONE CALL                      | - 811 OR 1-800-344-8377 |
| E.P. COUNTY WATER             | - 479-2508              |
| E.P. NATURAL GAS              | - 471-0124              |
| SM & P                        | - 1-866-861-7678        |
| AT&T FIBER OPTICS             | - 1-817-589-1056        |
| DELL TELEPHONE COOP INC.      | - 1-800-245-2991        |
| TXNW-ATT/D                    | -                       |
| ONEOK                         | - 740-6512              |
| BUCKEYE GULF COAST PIPE LINES | - 1-877-530-5685        |

**BEFORE YOU DIG**

CONTRACTOR SHALL COORDINATE AND FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES IN THE PROJECT AREA.

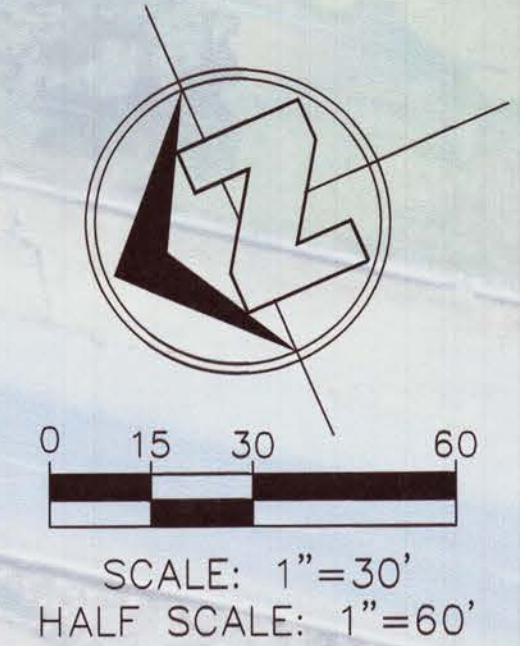
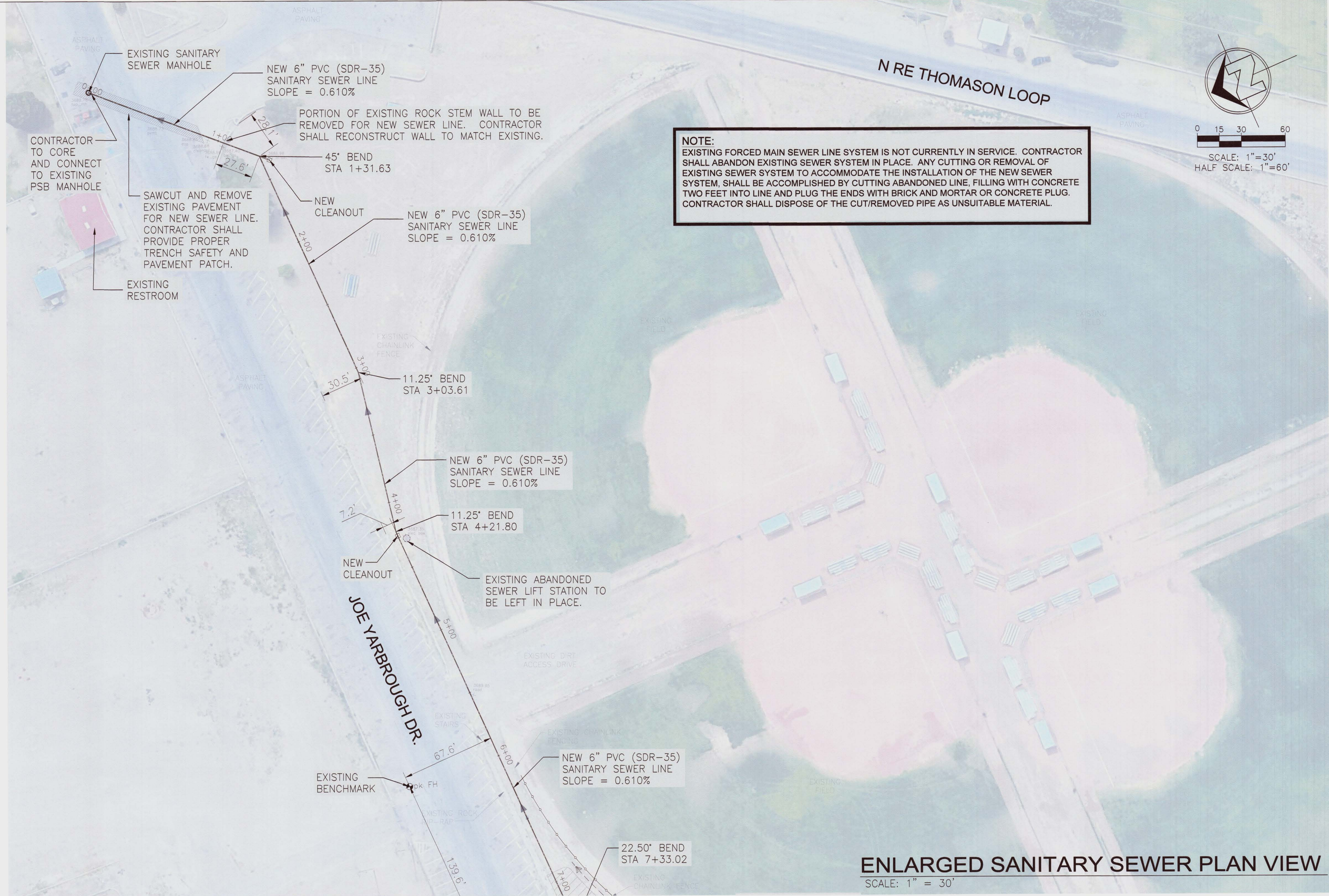
CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING, POT HOLING AND/OR EXPOSING LINES TO VERIFY POSSIBLE CONFLICTS PRIOR TO ANY EXCAVATING ACTIVITY.

CONTRACTOR SHALL NOTIFY ENGINEER OF ANY POSSIBLE CONFLICT 2 WEEKS PRIOR TO TRENCHING IN THAT AREA.

**NOTE:**  
EXISTING FORCED MAIN SEWER LINE SYSTEM IS NOT CURRENTLY IN SERVICE. CONTRACTOR SHALL ABANDON EXISTING SEWER SYSTEM IN PLACE. ANY CUTTING OR REMOVAL OF EXISTING SEWER SYSTEM TO ACCOMMODATE THE INSTALLATION OF THE NEW SEWER SYSTEM, SHALL BE ACCOMPLISHED BY CUTTING ABANDONED LINE, FILLING WITH CONCRETE TWO FEET INTO LINE AND PLUG THE ENDS WITH BRICK AND MORTAR OR CONCRETE PLUG. CONTRACTOR SHALL DISPOSE OF THE CUT/REMOVED PIPE AS UNSUITABLE MATERIAL.

**SANITARY SEWER PLAN VIEW  
AND GENERAL NOTES**  
SCALE: 1" = 80'

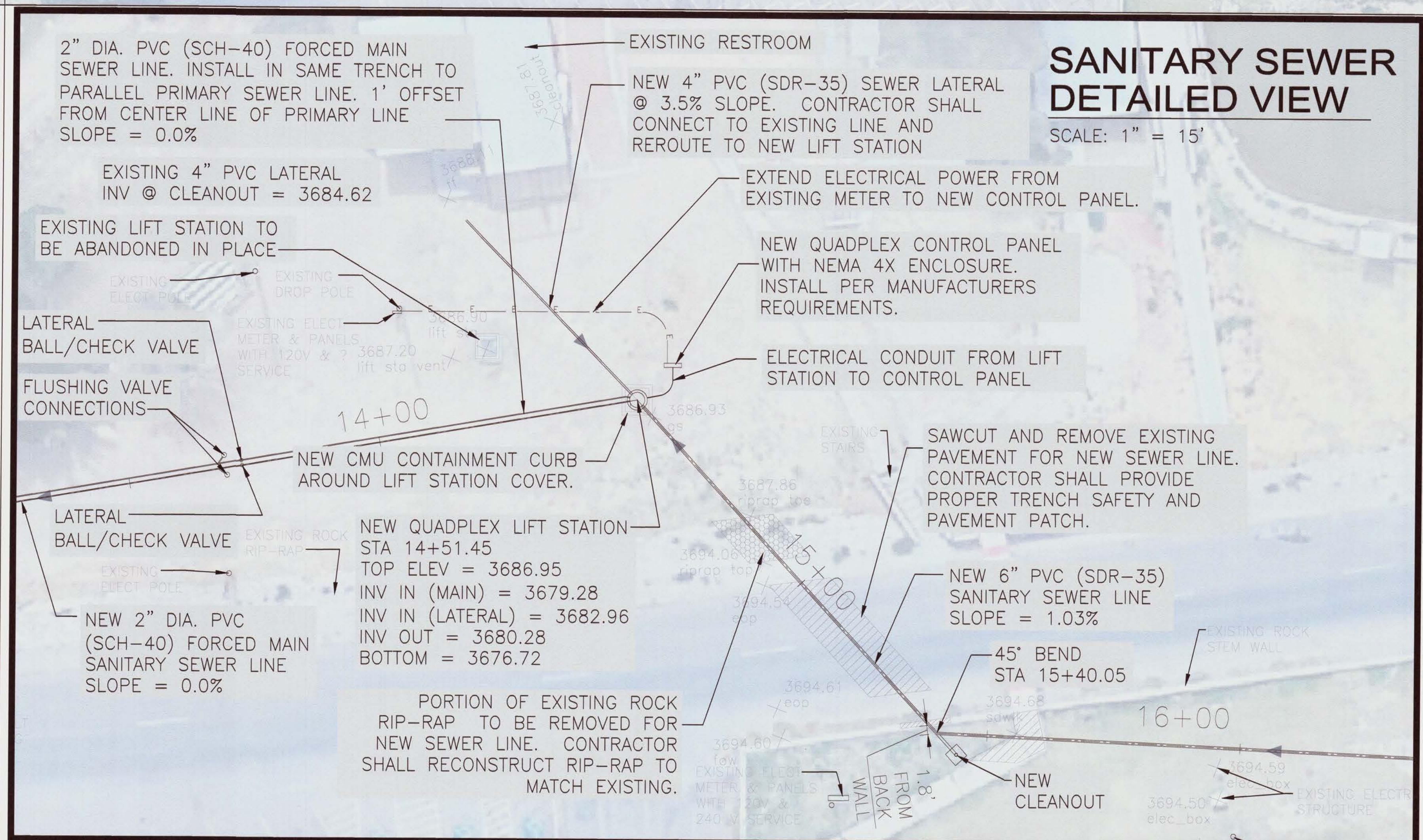
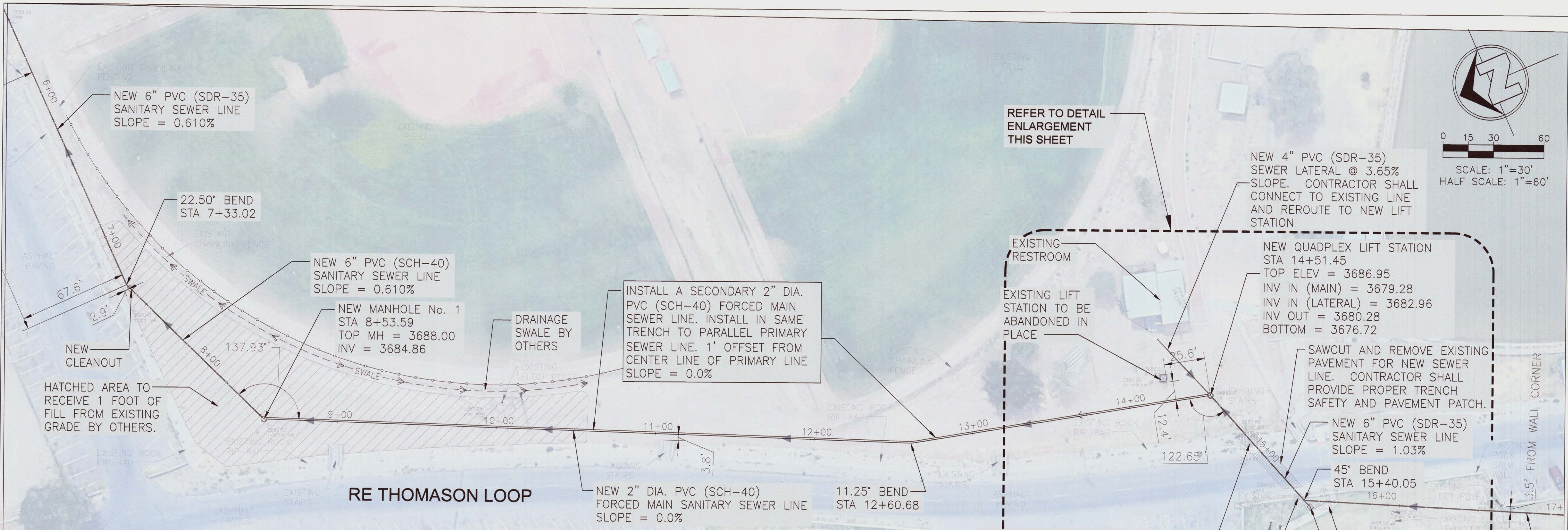
SHEET	<b>C-1</b>		1 OF 7
	REVISIONS	DATE	SCALE
AS INDICATED	DESIGNED BY: AA	DRAWN BY: AA	CHECKED BY: FH
PROJECT NAME	ASCARATE PARK SEWER IMPROVEMENTS & LIFT STATION		
SHEET NAME	SANITARY SEWER PLAN VIEW AND GENERAL NOTES		
<b>COUNTY OF EL PASO</b> PUBLIC WORKS DEPARTMENT 800 E. OVERLAND AVE. EL PASO, TEXAS 79901			



SHEET	C-2	
	2 OF 7	
REVISIONS		
DATE		
SCALE: AS INDICATED	DESIGNED BY: A.A.	CHECKED BY: F.H.
PROJECT NAME	ASCARATE PARK SEWER IMPROVEMENTS & LIFT STATION	
SHEET NAME	ENLARGED SANITARY SEWER PLAN VIEW	
COUNTY OF EL PASO PUBLIC WORKS DEPARTMENT 800 E. OVERLAND AVE. EL PASO, TEXAS 79901		



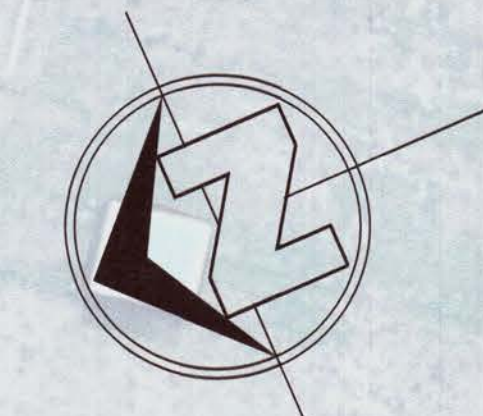
**ENLARGED SANITARY SEWER PLAN VIEW**  
 SCALE: 1" = 30'



**NOTE:**  
 EXISTING FORCED MAIN SEWER LINE SYSTEM IS NOT CURRENTLY IN SERVICE. CONTRACTOR SHALL ABANDON EXISTING SEWER SYSTEM IN PLACE. ANY CUTTING OR REMOVAL OF EXISTING SEWER SYSTEM TO ACCOMMODATE THE INSTALLATION OF THE NEW SEWER SYSTEM, SHALL BE ACCOMPLISHED BY CUTTING ABANDONED LINE, FILLING WITH CONCRETE TWO FEET INTO LINE AND PLUG THE ENDS WITH BRICK AND MORTAR OR CONCRETE PLUG. CONTRACTOR SHALL DISPOSE OF THE CUT/REMOVED PIPE AS UNSUITABLE MATERIAL.

**ENLARGED SANITARY SEWER PLAN VIEW**  
 SCALE: 1" = 30'

SHEET	<b>C-3</b>	3 OF 7
REVISIONS		
DATE		
SCALE: AS INDICATED	DESIGNED BY: A.A.	DRAWN BY: A.A.
PROJECT NAME	ASCARATE PARK SEWER IMPROVEMENTS & LIFT STATION	
SHEET NAME	ENLARGED SANITARY SEWER PLAN VIEW	
PROJECT NAME	ASCARATE PARK SEWER IMPROVEMENTS & LIFT STATION	
SHEET NAME	ENLARGED SANITARY SEWER PLAN VIEW	
SCALE: AS INDICATED	DESIGNED BY: A.A.	DRAWN BY: A.A.
SEAL		
DATE	01-15-20	
COUNTY OF EL PASO	COUNTY OF EL PASO	
COUNTY OF EL PASO	COUNTY OF EL PASO	



0 15 30 60  
 SCALE: 1"=30'  
 HALF SCALE: 1"=60'

SHEET  
**C-4**  
 4 OF 7


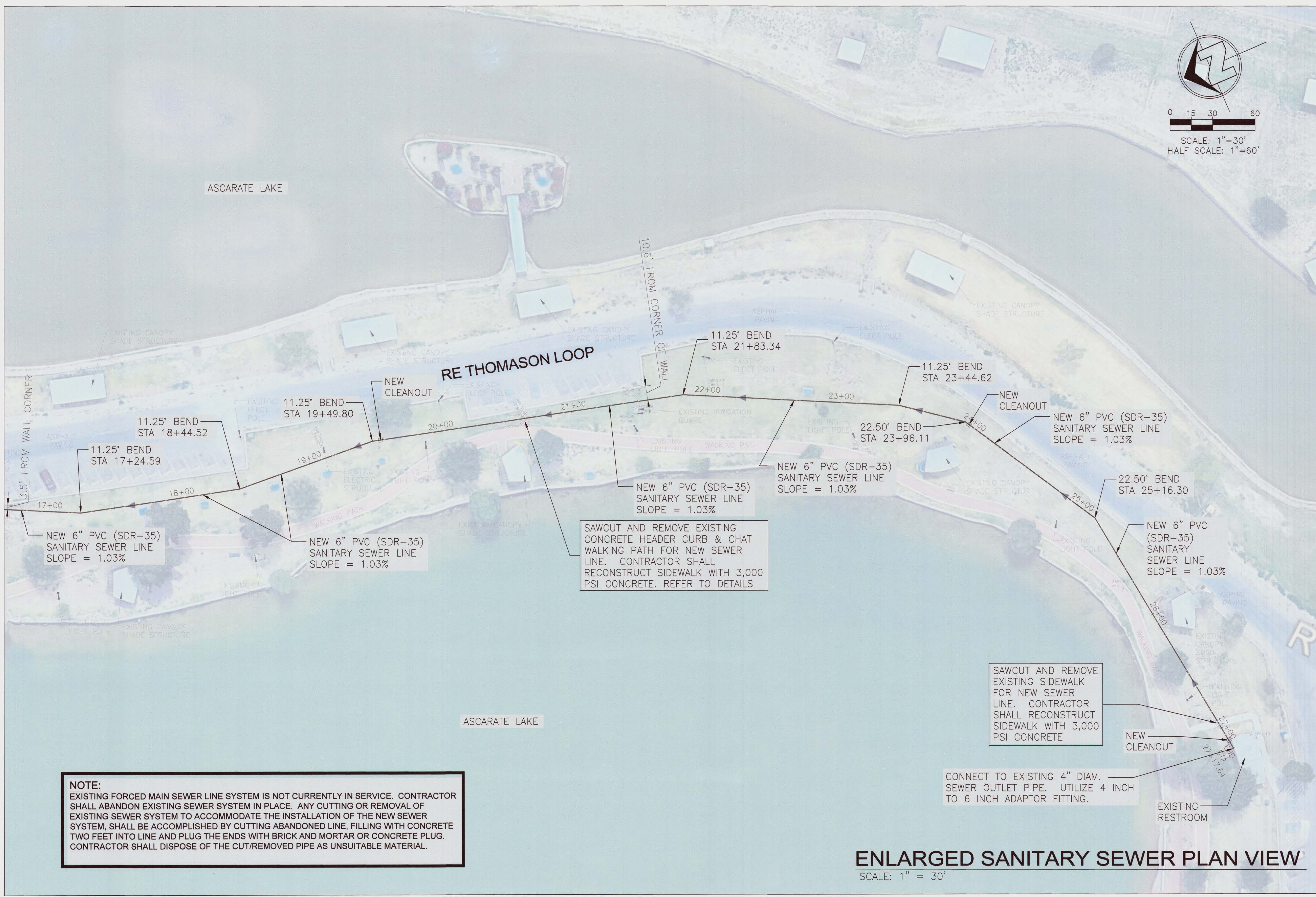
REVISIONS	DATE



SCALE	AS INDICATED
DESIGNED BY: AA	
DRAWN BY: AA	
CHECKED BY: F.H	

PROJECT NAME	SHEET NAME
ASCARATE PARK SEWER IMPROVEMENTS & LIFT STATION	ENLARGED SANITARY SEWER PLAN VIEW

**COUNTY OF EL PASO**  
 PUBLIC WORKS DEPARTMENT  
 800 E. OVERLAND AVE.  
 EL PASO, TEXAS 79901

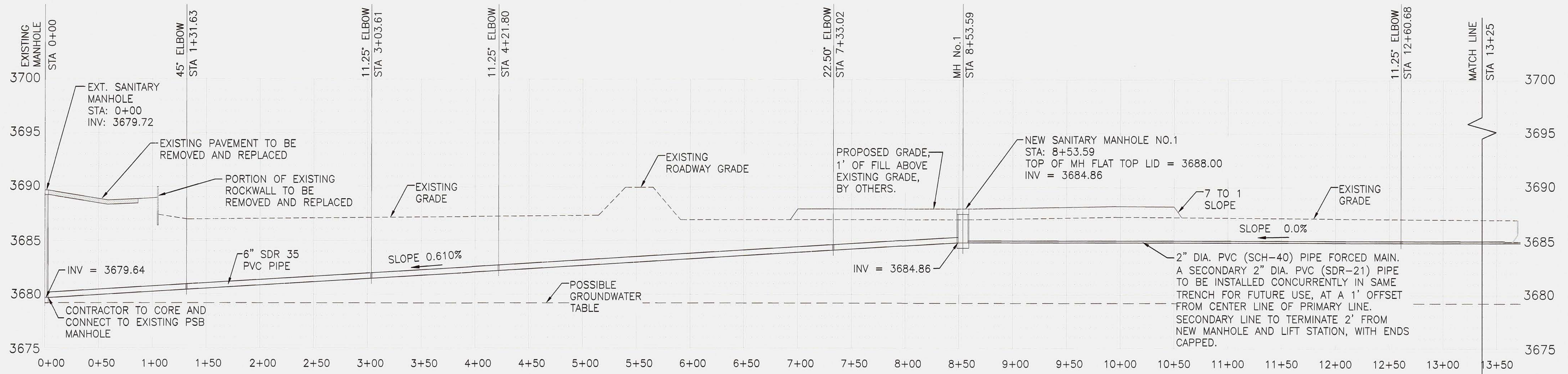



**NOTE:**  
 EXISTING FORCED MAIN SEWER LINE SYSTEM IS NOT CURRENTLY IN SERVICE. CONTRACTOR SHALL ABANDON EXISTING SEWER SYSTEM IN PLACE. ANY CUTTING OR REMOVAL OF EXISTING SEWER SYSTEM TO ACCOMMODATE THE INSTALLATION OF THE NEW SEWER SYSTEM, SHALL BE ACCOMPLISHED BY CUTTING ABANDONED LINE, FILLING WITH CONCRETE TWO FEET INTO LINE AND PLUG THE ENDS WITH BRICK AND MORTAR OR CONCRETE PLUG. CONTRACTOR SHALL DISPOSE OF THE CUT/REMOVED PIPE AS UNSUITABLE MATERIAL.

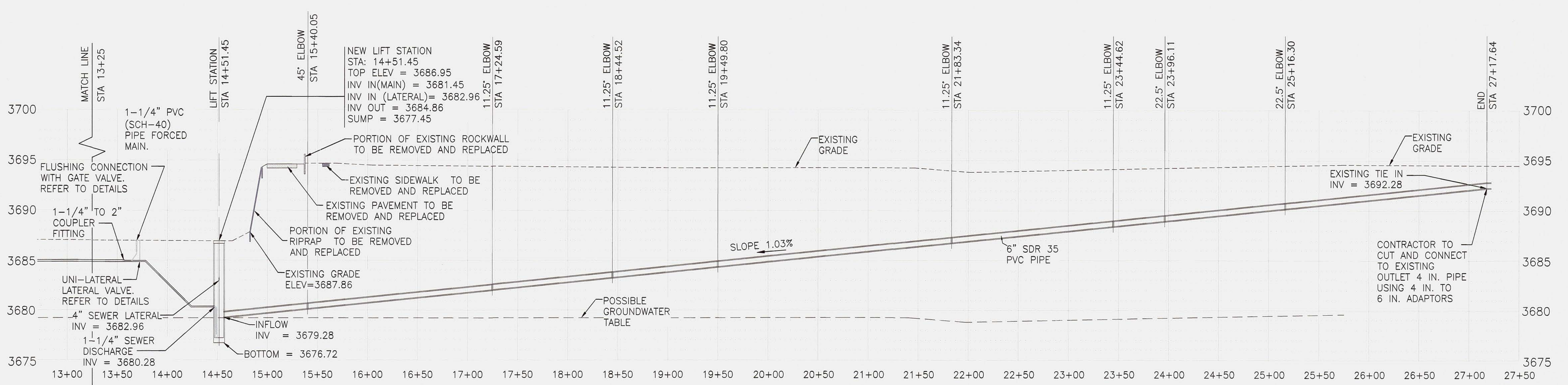
SAWCUT AND REMOVE EXISTING SIDEWALK FOR NEW SEWER LINE. CONTRACTOR SHALL RECONSTRUCT SIDEWALK WITH 3,000 PSI CONCRETE

CONNECT TO EXISTING 4" DIAM. SEWER OUTLET PIPE. UTILIZE 4 INCH TO 6 INCH ADAPTOR FITTING.

**ENLARGED SANITARY SEWER PLAN VIEW**  
 SCALE: 1" = 30'



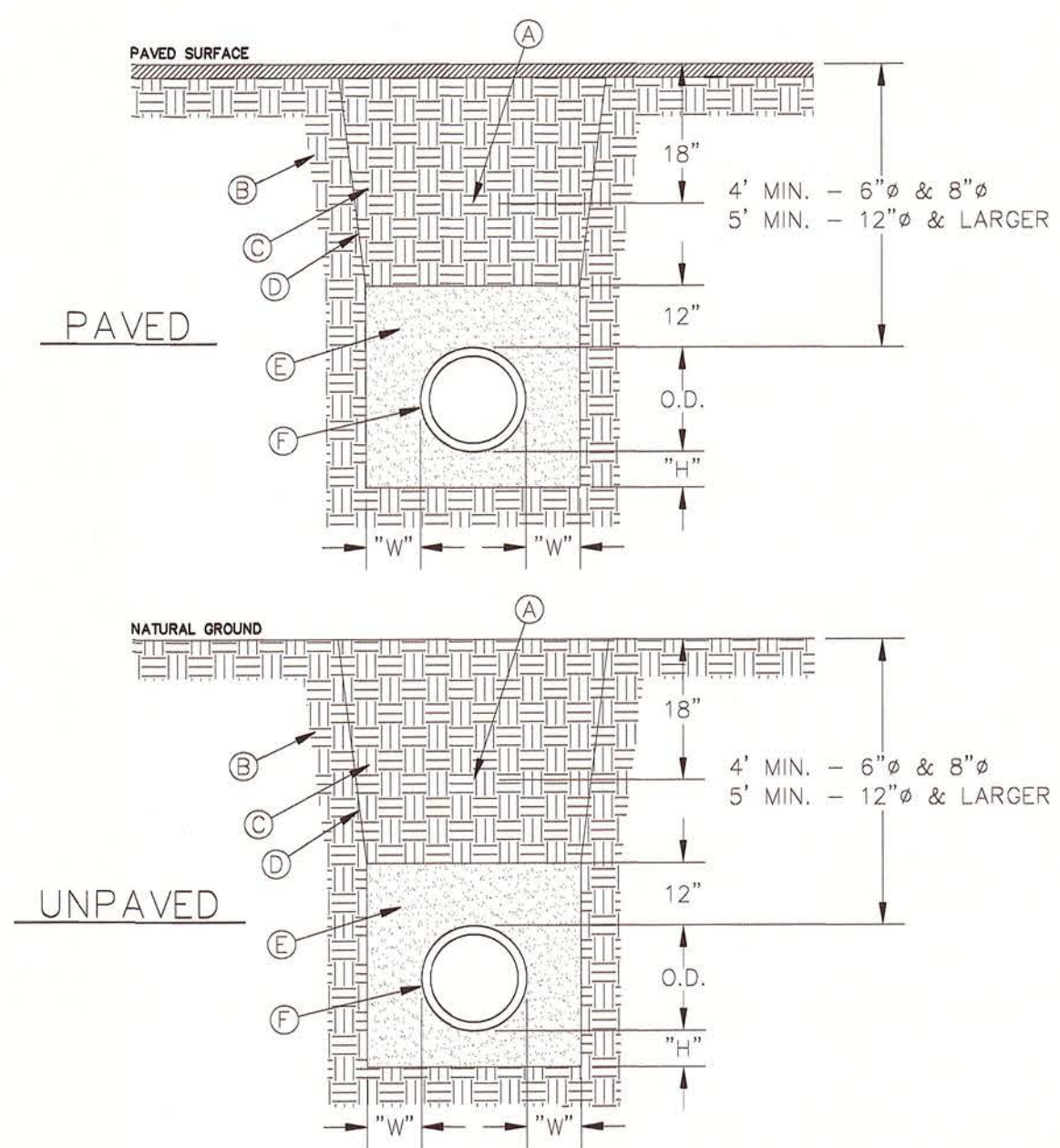
**SANITARY SEWER PROFILE**  
 HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'



**SANITARY SEWER PROFILE**  
 HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'

**SANITARY SEWER PROFILE**  
 SCALE: 1" = 50'

PROJECT NAME <b>ASCARATE PARK SEWER IMPROVEMENTS &amp; LIFT STATION</b>		SCALE: AS INDICATED	DESIGNED BY: A.A.	DRAWN BY: A.A.	CHECKED BY: F.H.
SHEET NAME <b>SANITARY SEWER PROFILE</b>		SEAL			
DATE	REVISIONS	COUNTY OF EL PASO PUBLIC WORKS DEPARTMENT 800 E. OVERLAND AVE. EL PASO, TEXAS 79901			
SHEET		<b>C-5</b> 5 OF 7			



**BACKFILL FOR PRESSURE PIPE  
AND GRAVITY PIPE**  
N.T.S.

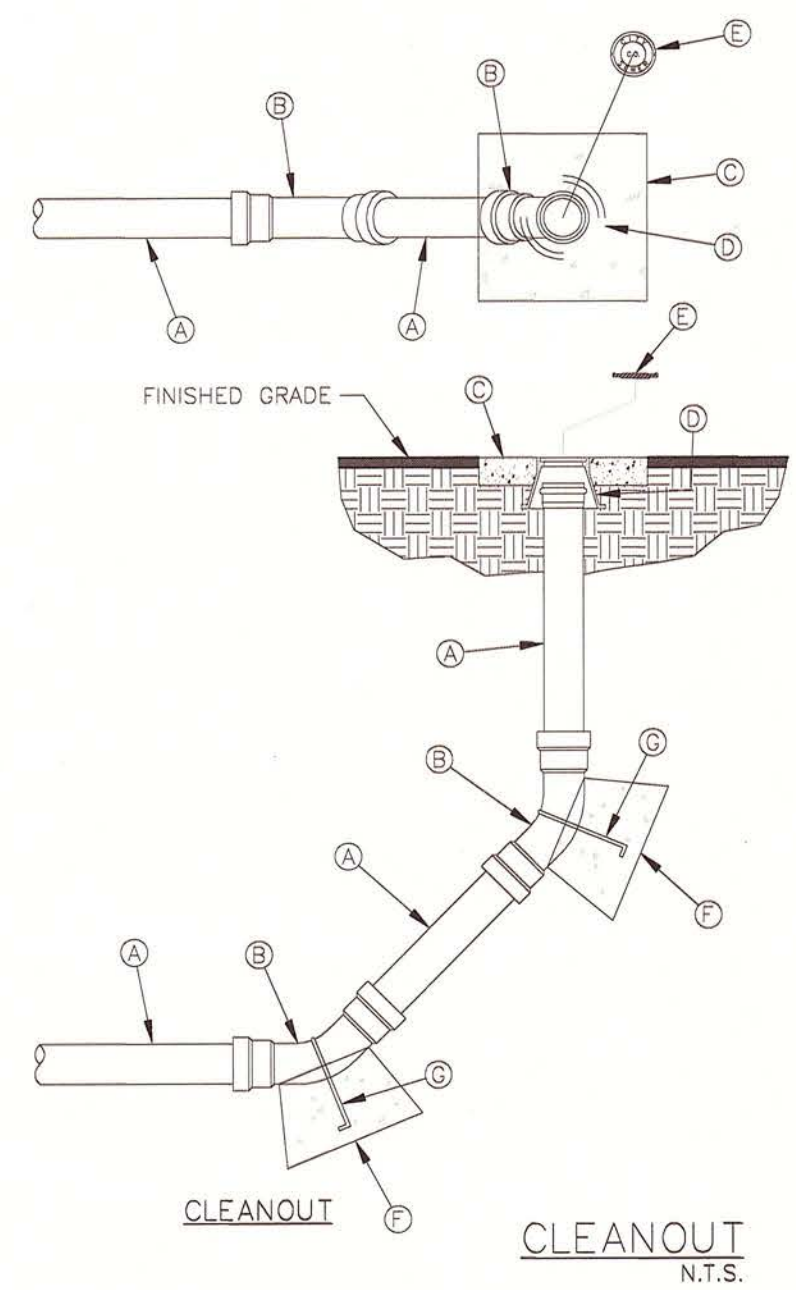
**GENERAL NOTES:**

- BEDDING FOR PRESSURE AND GRAVITY PIPE IN DRY CONDITIONS.
- PROVIDE TRENCH SAFETY SYSTEM FOR TRENCH DEPTHS GREATER THAN 5 FEET.
- IF THE NATIVE MATERIAL EXCAVATED FROM THE TRENCH IS UNSUITABLE AS BACKFILL MATERIAL, OR THE REQUIRED COMPACTION IS UNATTAINABLE, THE CONTRACTOR SHALL, AT HIS EXPENSE, IMPORT SELECT MATERIAL TO BE MIXED WITH OR USED IN PLACE OF THE NATIVE MATERIAL. SELECT MATERIAL MUST BE APPROVED BY EPWJ. SUBSTITUTE SOIL CEMENT SLURRY (1-SACK) IF REQUIRED IN SPECS.

**CONSTRUCTION KEY NOTES:**

- APPROVED MARKING TAPE.
- UNDISTURBED STABLE MATERIAL.
- NATIVE MATERIAL BACKFILL.  
PAVED CONDITION: COMPACT TO 90% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.  
UNPAVED CONDITION: COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.  
(\*SEE NOTE #3 IF THESE PREVIOUS CONDITIONS CANNOT BE MET.)
- SLOPE TRENCH IN SANDY SOIL CONDITIONS.
- USE CLASS II OR CLASS III SAND PER ASTM D-2487, NATIVE MATERIAL OR IMPORTED SELECT MATERIAL MEETING OR EXCEEDING THIS REQUIREMENT MAY BE USED. COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR (OR 90% D-698 STANDARD PROCTOR).
- APPROVED PIPE.
- TRENCH DIMENSIONS AS FOLLOWS:

PIPE DIAMETER	"H"
6" - 30"	4"
GREATER THAN 30"	6"
PIPE DIAMETER	"W"
6" - 30"	8"
GREATER THAN 30"	12"



**GENERAL NOTES:**

- CLEANOUT TO BE USED AT END OF LINES & AT CUL-DE-SACS (AS SPECIFIED ON PLANS).
- DOUBLE WYES TO BE USED AS NECESSARY ON CUL-DE-SACS.
- SPOOL LENGTHS AND DEPTHS WILL VARY.
- BONNET BOX & CONCRETE COLLAR TO BE FINISHED WITH FINISHED GRADE.
- CLEANOUT NOT TO BE USED MORE THAN 300' AWAY FROM LAST MANHOLE IN LINE.

**CONSTRUCTION KEY NOTES:**

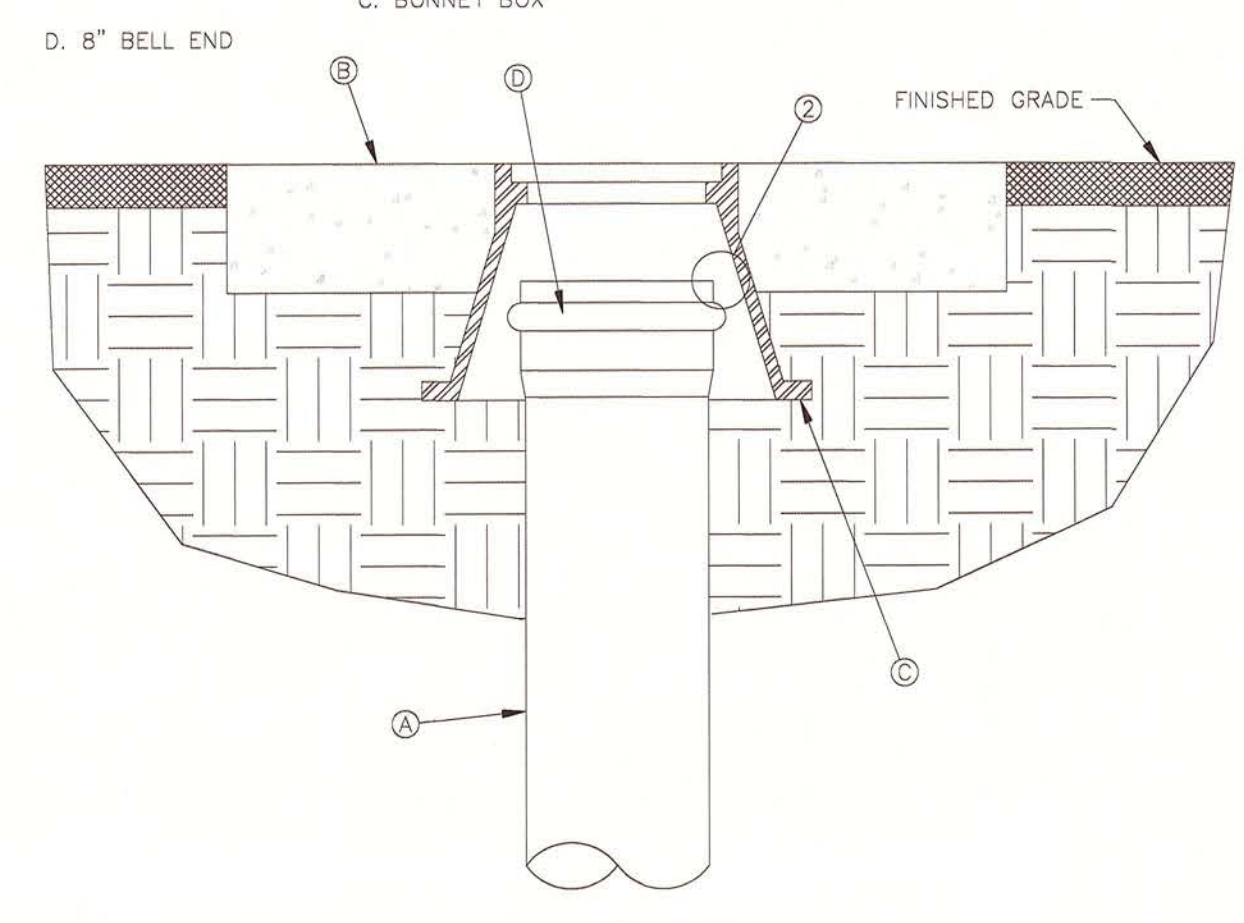
- 8" P.V.C. SDR 35 (LENGTHS VARY)
- 8" LONG SWEEP BEND 45°
- 3"x3"x6" CONCRETE COLLAR
- BONNET BOX (SEE DET 396)
- BONNET BOX COVER (SEE DET 397)
- 2500 PSI CONCRETE THRUST BLOCKING
- NO. 5 REBAR HAIR PIN, PAINT UNEMBEDDED PORTION OF REBAR WITH TWO COATS OF COAL TAR EPOXY.

**GENERAL NOTES:**

- FOR BONNET BOX DIMENSIONS SEE DET 268.
- PIPE BELL END TO FIT SNUGLY AGAINST INTERIOR OF BONNET BOX.

**CONSTRUCTION KEY NOTES:**

- 8" P.V.C. SDR 35
- 3"x3"x6" CONCRETE COLLAR
- BONNET BOX



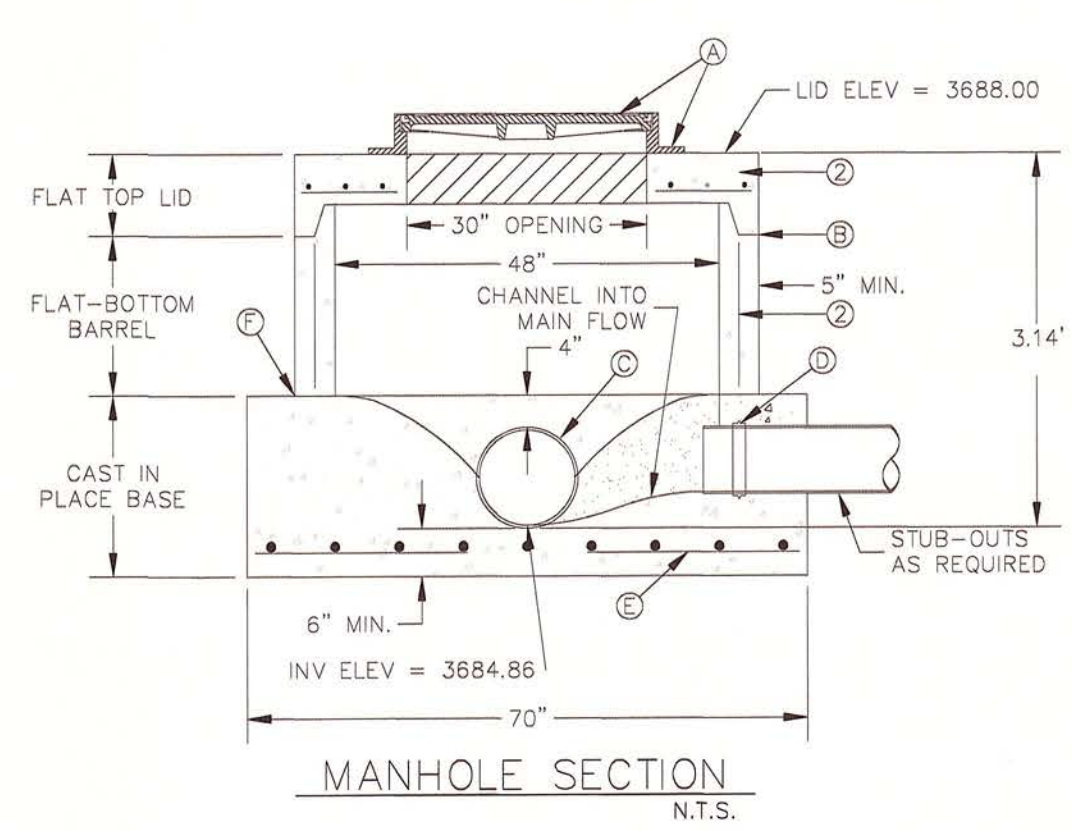
**BONNET BOX**  
N.T.S.

**GENERAL NOTES:**

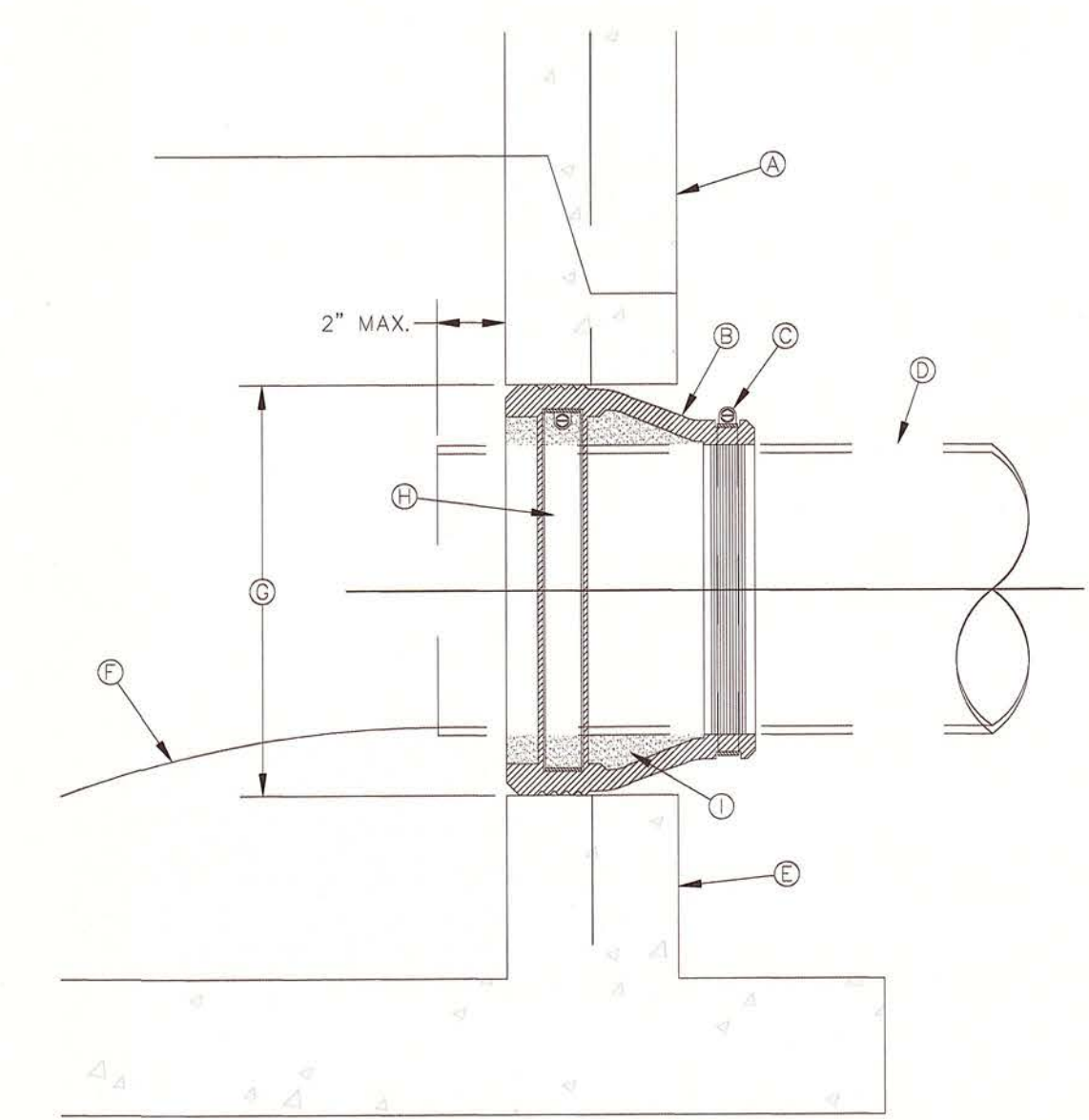
- MANHOLE TYPE "A1" SHALL BE USED FOR LINES 21" AND SMALLER, NOT TO BE USED IN GROUNDWATER CONDITIONS.
- PRE-CAST MANHOLE SECTIONS SHALL BE OF REINFORCED CONCRETE, CONFORMING TO ASTM C-478 AND SHALL MEET HS-20 LOADING.
- CEMENT SHALL BE TYPE I-III, PER ASTM C-150, AND MUST CONTAIN A MINIMUM OF 4% FLY ASH OF THE TOTAL MANHOLE WEIGHT.
- THE BASE SHALL BE CAST IN PLACE CONCRETE (MINIMUM 28 DAY COMPRESSIVE STRENGTH 4000 PSI) POURED ON UNDISTURBED OR THOROUGHLY COMPACTED SUB-BASE.
- MANUFACTURER TO PROVIDE LIFTERS OF ADEQUATE SIZE AS NEEDED.
- THE SUBGRADE UNDER THE BASE SHALL BE COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM D-1557.

**CONSTRUCTION KEY NOTES:**

- MANHOLE RING AND COVER (SEE DETAILS 377 & 378). SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE DETAIL 185).
- ALL JOINTS TO BE TONGUE, GROOVE AND SEALED WITH RAM-NEK OR APPROVED EQUAL.
- ON MAINLINE, PIPE IS TO BE LAID THRU AND UPPER HALF CUT OUT.
- PIPE GASKET.
- NO. 4 REBARS 8" ON CENTER, BOTH WAYS.
- SEAL ALL AROUND WITH RAM-NEK OR APPROVED EQUAL.



**MANHOLE SECTION**  
N.T.S.



**PIPE CONNECTION TO MANHOLE**  
N.T.S.

**STAINLESS STEEL LATERAL KIT  
1-1/4"**

**SCHEDULE 40 PVC PIPE  
ARCH PATTERN**

DR BY	CHK'D	DATE	ISSUE	SCALE
SSG	DN	11/02/11	C	3/16

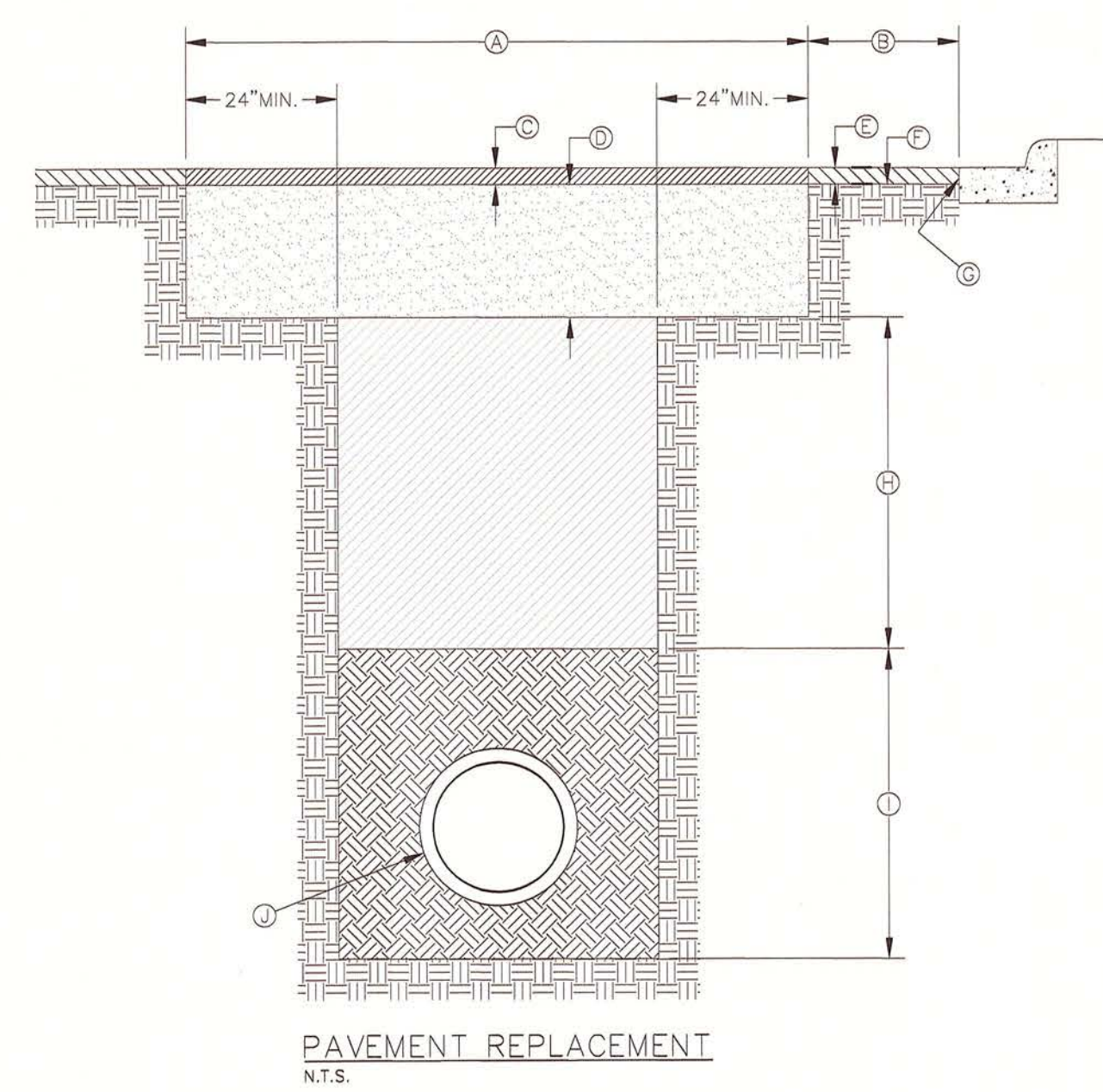
**eone**  
SEWER SYSTEMS

STAINLESS STEEL LATERAL KIT  
1-1/4" SCHEDULE 40 PIPE

**NAO330P04**

**NOTES:**

- SS CURB STOP/CHECK VALVE AND FITTINGS ARE PROVIDED SEPARATELY, TO BE ASSEMBLED BY OTHERS.
- TO ASSEMBLE, APPLY A DOUBLE LAYER OF TEFLON TAPE, AND A LAYER OF PIPE DOPE (SUPPLIED BY OTHERS) TO THE THREADS ON THE PLASTIC FITTINGS AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS FOR SS FITTING INTO SS THREAD, USE EITHER PIPE DOPE OR TEFLON TAPE, NOT BOTH.
- ASSEMBLY IS TO BE PRESSURE TESTED (BY OTHERS).
- ASSEMBLY IS TO BE USED WITH SCHEDULE 40 PVC PIPE.
- TO ORDER SS LATERAL KIT, USE PART NUMBER NAO193603.
- CURB BOX IS TO BE ORDERED SEPARATELY, SEE ABOVE.



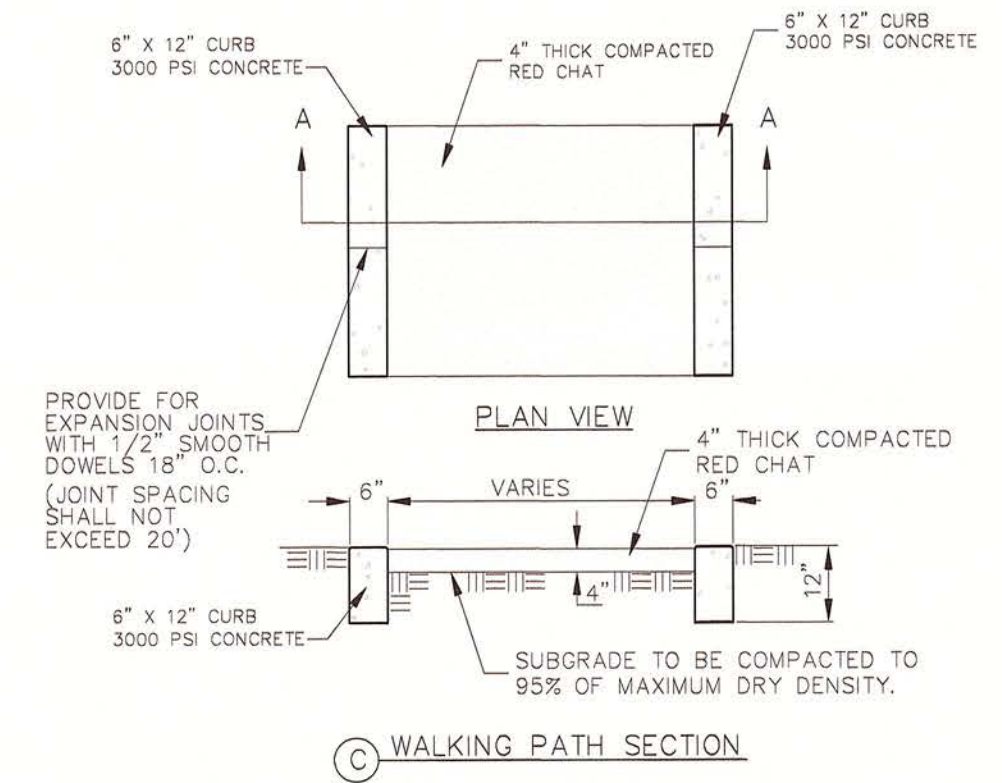
**PAVEMENT REPLACEMENT**  
N.T.S.

**GENERAL NOTES:**

- ALL ASPHALT CUTS MUST BE SAW CUT.
- SOIL CEMENT SLURRY SHALL BE ALLOWED TO CURE BEFORE PAVING OR OPENING TO ALL TRAFFIC.

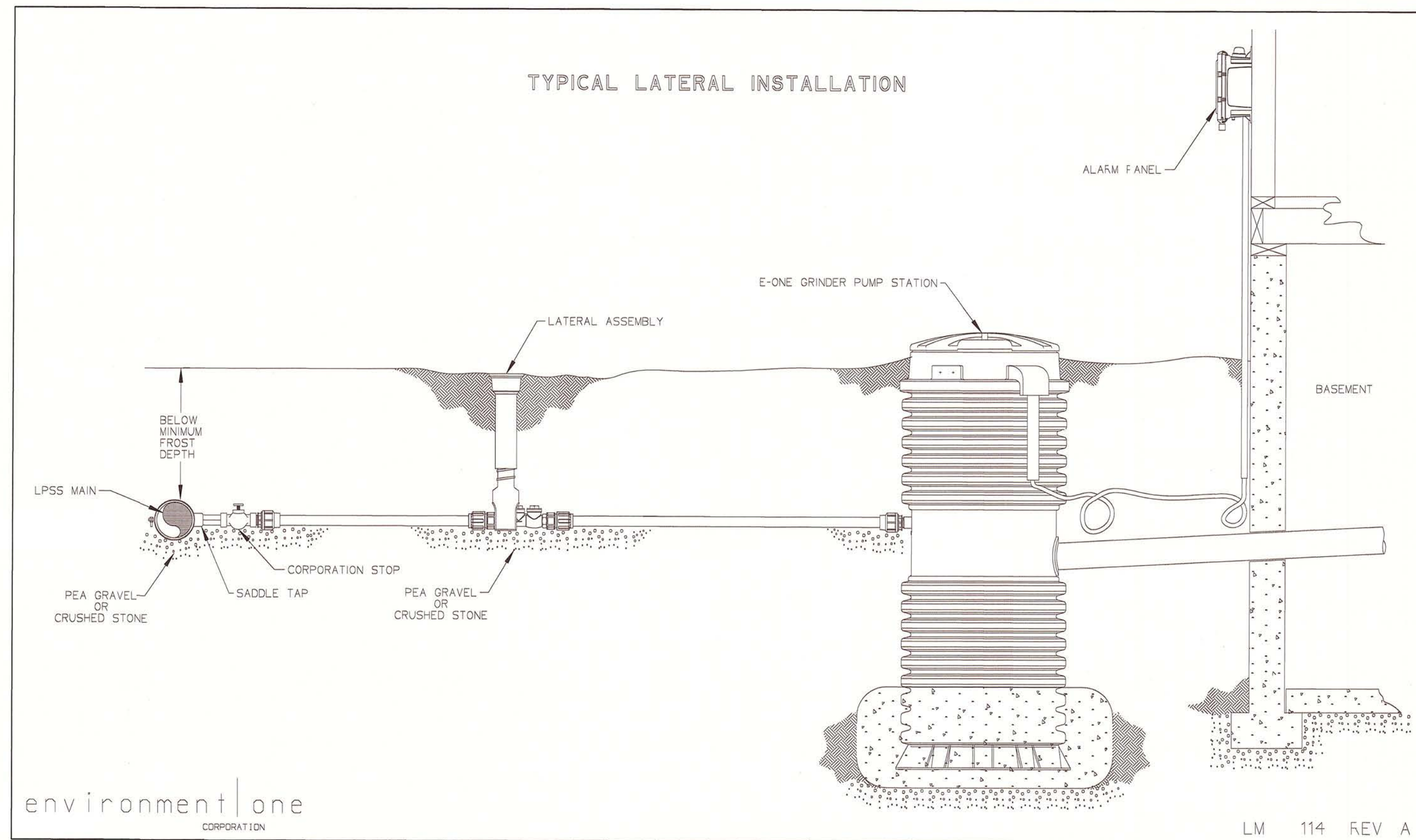
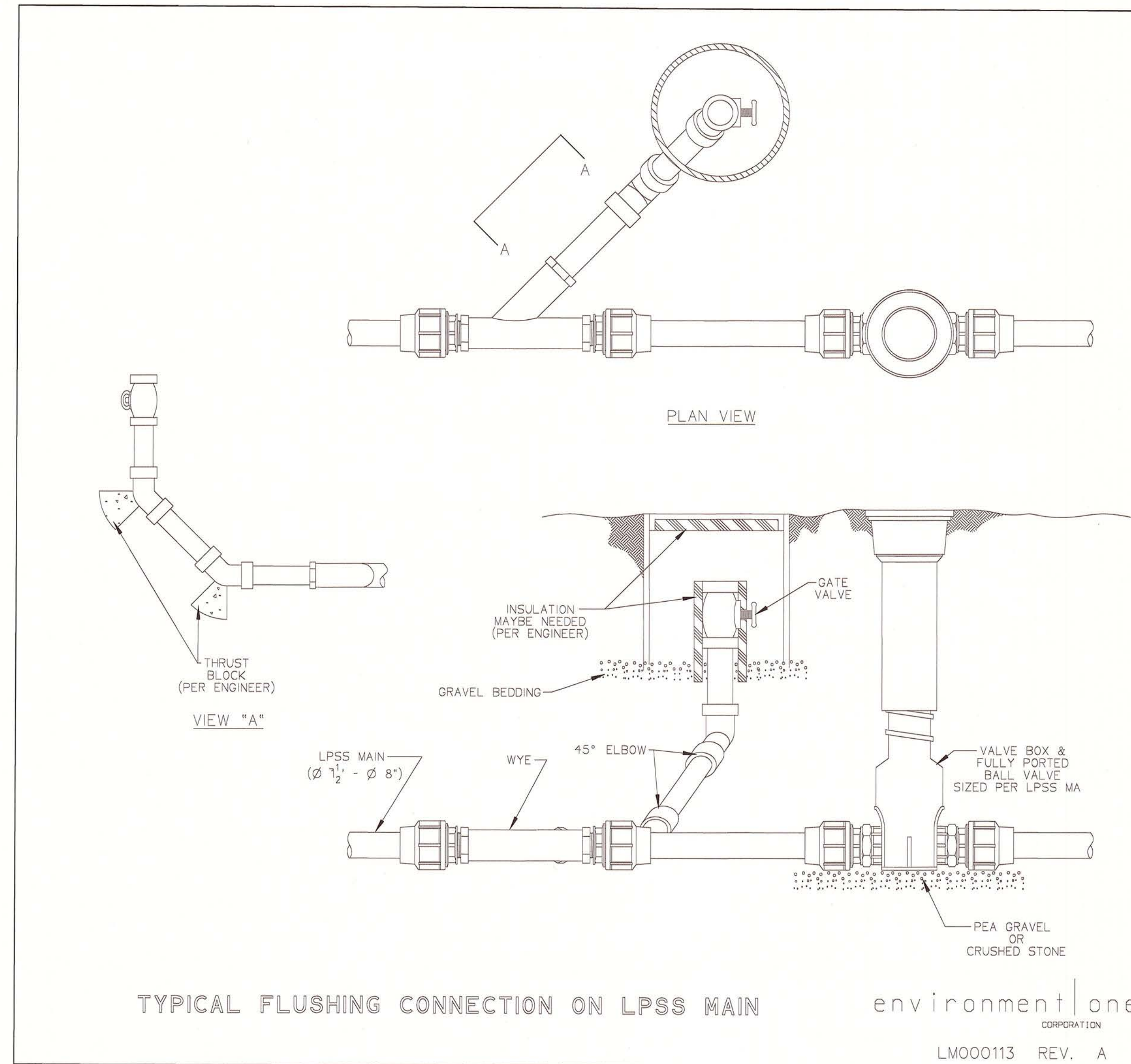
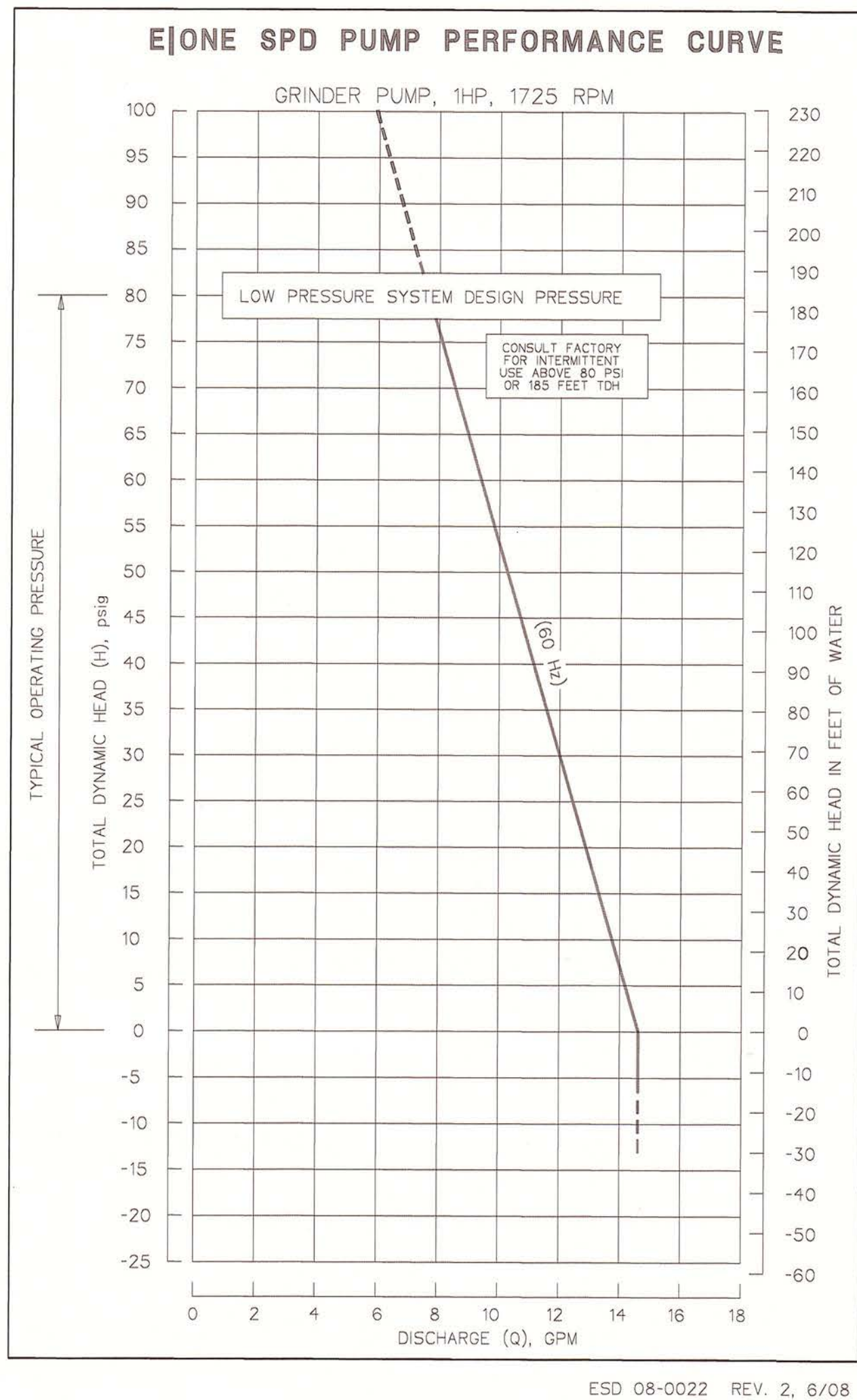
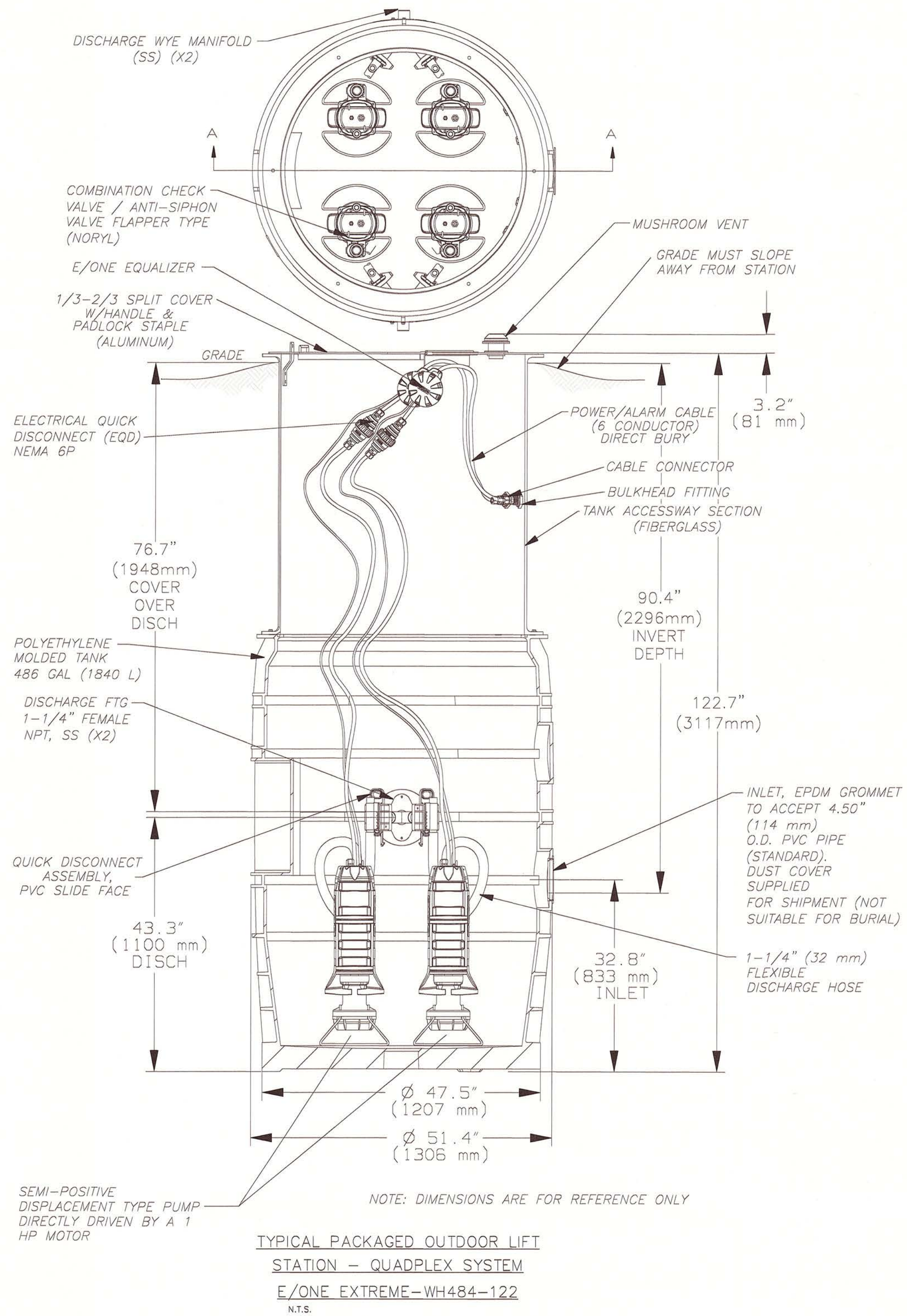
**CONSTRUCTION KEY NOTES:**

- REFER TO SPECS FOR LIMIT OF PAVING WIDTH.
- DIMENSION VARIES. WHERE GUTTER FACE, ETC. IS WITHIN 3' OF SAW CUT EDGE, CONTRACTOR SHALL REMOVE & REPLACE EXISTING HMA/C IN THIS AREA.
- 2" ASPHALT MIN.
- 12" THICK SOIL CEMENT BACKFILL (2 SACK PER C.Y. OF SOIL).
- EXISTING HMA/C-THICKNESS MAY VARY.
- EXISTING BASE COURSE-THICKNESS MAY VARY.
- EXISTING GUTTER FACE, EDGE OF PAVEMENT OR BEGINNING OF SHOULDER.
- BACKFILL DEPTH VARIES. REFER TO REQUIREMENTS LISTED IN EMBEDMENT DETAILS (DETAIL 171 THRU DETAIL 173).
- PIPE BEDDING AS SPECIFIED, REFER TO APPROPRIATE EMBEDMENT DETAIL (DETAIL 171 THRU DETAIL 173).
- APPROVED PIPE.



**WALKING PATH DETAIL**  
N.T.S.

**SANITARY SEWER DETAILS**  
SCALE: N.T.S.



**LIFT STATION DETAILS**  
 SCALE: N.T.S.

PROJECT NAME	ASCARATE PARK SEWER IMPROVEMENTS & LIFT STATION
SHEET NAME	LIFT STATION DETAILS
DESIGNED BY: A.A.	DRAWN BY: A.A.
CHECKED BY: F.H.	
SCALE: AS INDICATED	
DATE	
REVISIONS	
SHEET	<b>C-7</b>
	<b>7 OF 7</b>

environment one CORPORATION  
 LM000113 REV. A

environment one CORPORATION  
 LM 114 REV A

THE COUNTY OF EL PASO TEXAS  
 PUBLIC WORKS DEPARTMENT  
 800 E. OVERLAND AVE.  
 EL PASO, TEXAS 79901