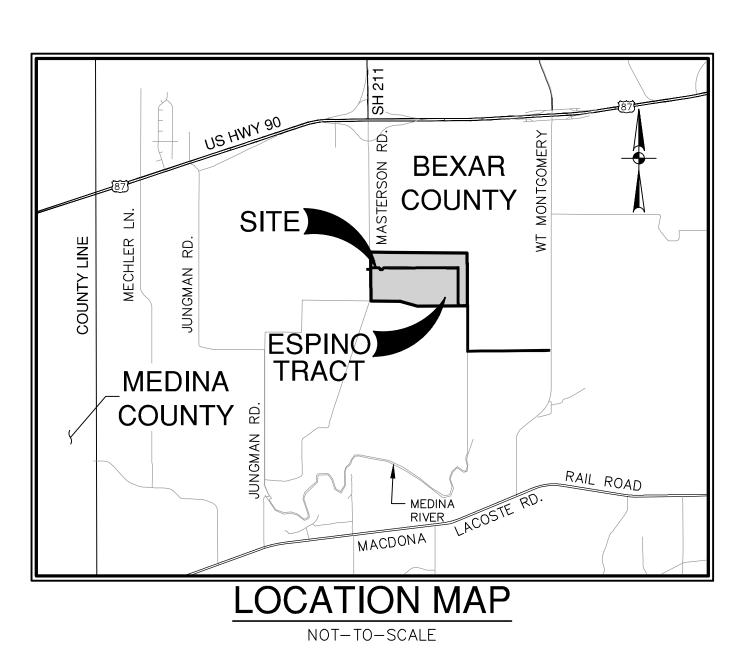
ESPINO TRACT 16-INCH OFFSITE WATER (OVERSIZED)

SAN ANTONIO, TEXAS

CIVIL CONSTRUCTION PLANS



PREPARED FOR:

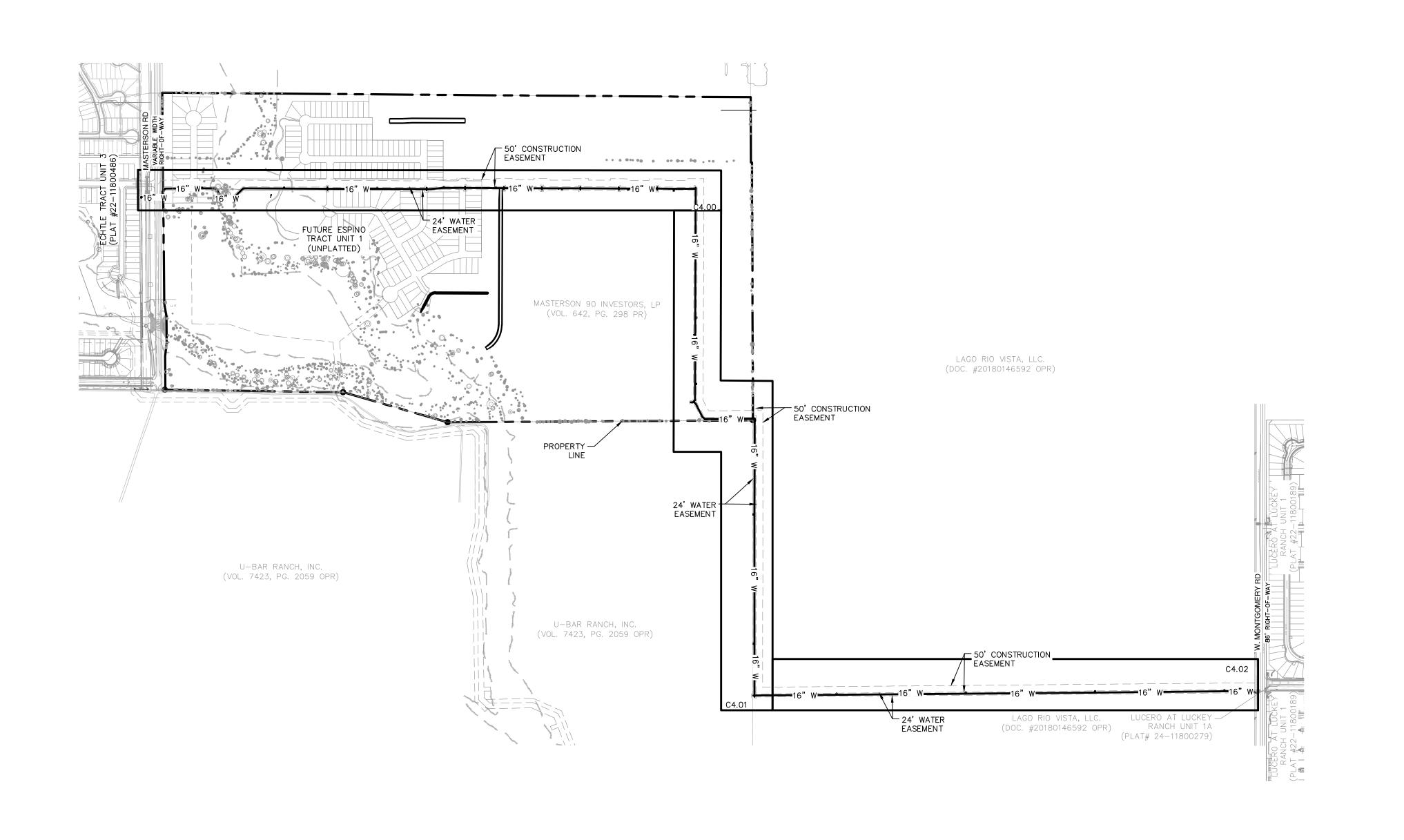
Sheet List Table

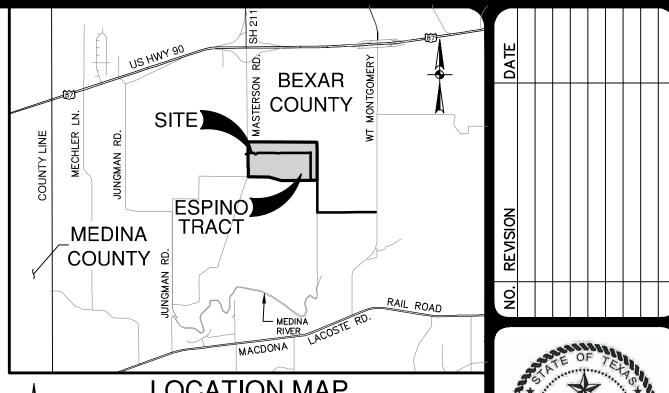
Sheet Number	Sheet Title
C0.00	COVER SHEET
C1.00	OVERALL UTILITY PLAN
C2.00	STORM WATER POLLUTION PREVENTION PLAN
C2.01	STORM WATER POLLUTION PREVENTION PLAN
C2.02	STORM WATER POLLUTION PREVENTION PLAN
C4.00	OVERALL WATER DISTRIBUTION PLAN
C4.01	OVERALL WATER DISTRIBUTION PLAN
C4.02	OVERALL WATER DISTRIBUTION PLAN
C4.10	OVERALL WATER DISTRIBUTION PLAN DETAILS
C4.11	OVERALL WATER DISTRIBUTION PLAN NOTES

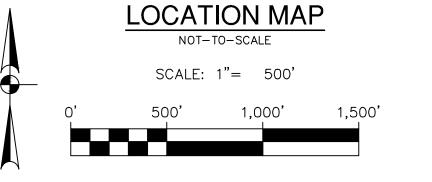
WATER (SAWS PRESSURE ZONE 930)

DEVELOPER'S NAME: KB HOME LONE STAR, INC

VATER (OVERSIZED)







WATER LEGEND

PROJECT LIMITS FIRE HYDRANT EXISTING WATER EXISTING SEWER PROPOSED SEWER PROPOSED WATER

PROPOSED FEMA 1% ANNUAL CHANCE (100-YR) FLOODPLAIN

JIM C. WELCH

ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THI ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES.

CAUTION!!

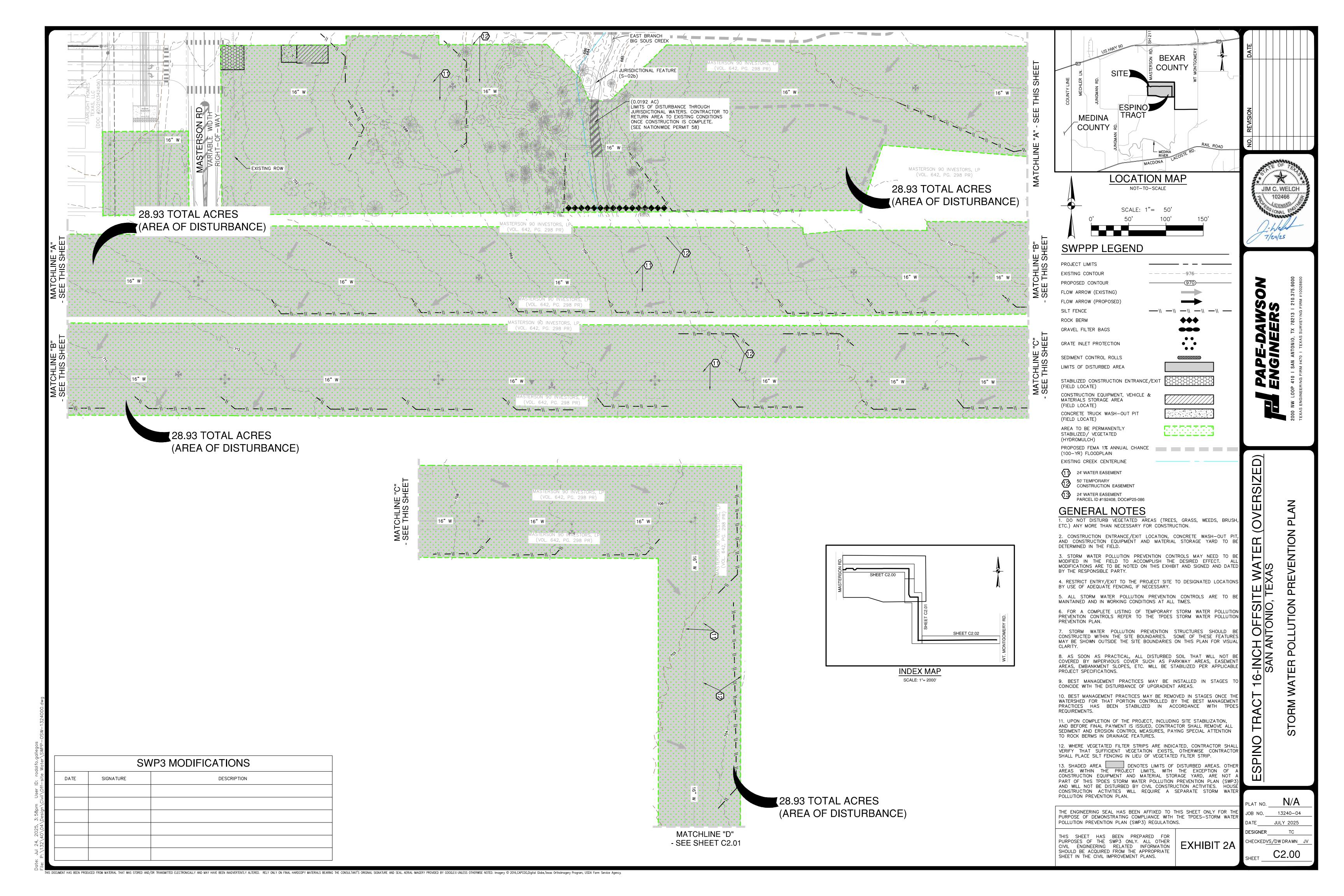
TRENCH EXCAVATION SAFETY PROTECTION:

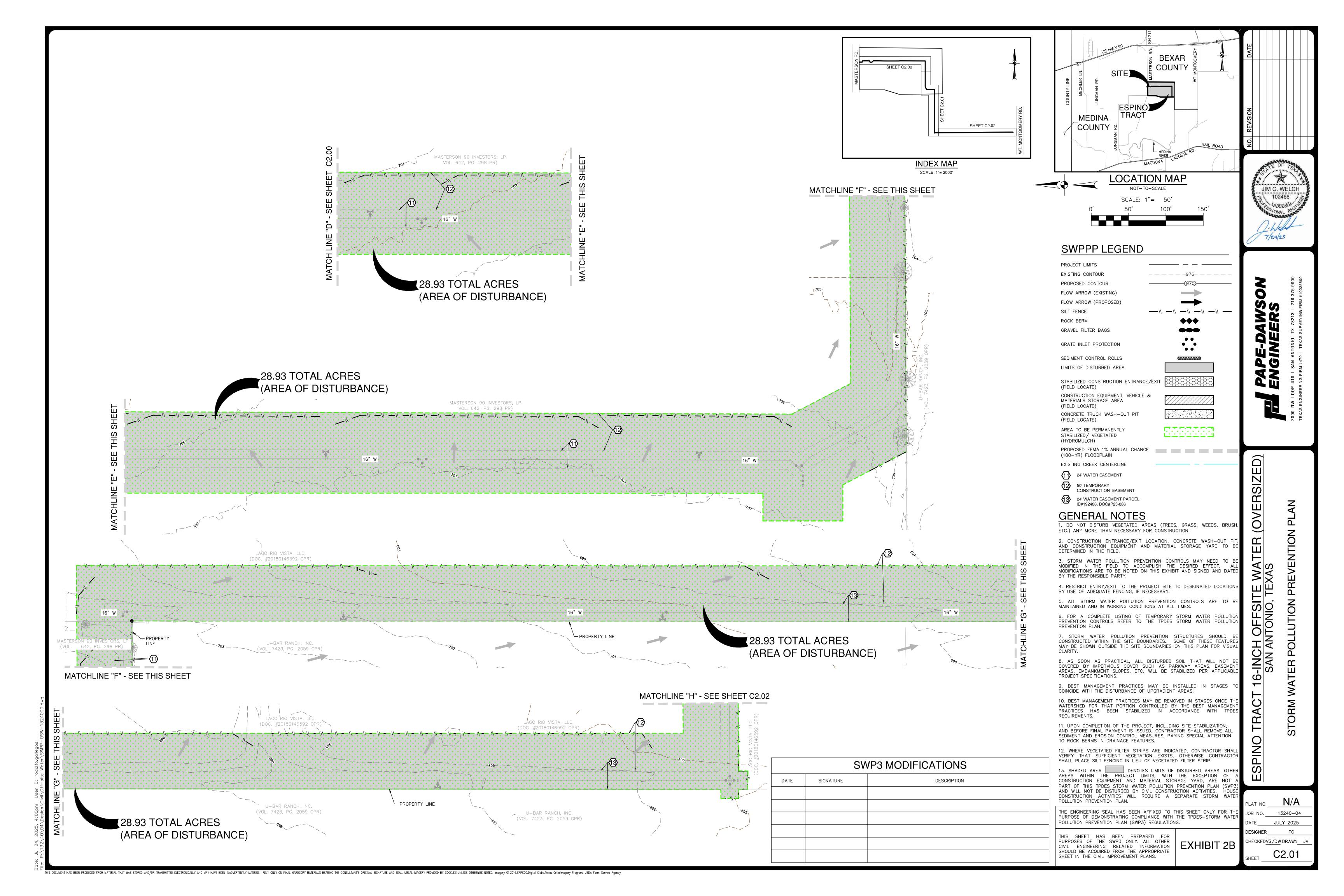
CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THI PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND /OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFÉTY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

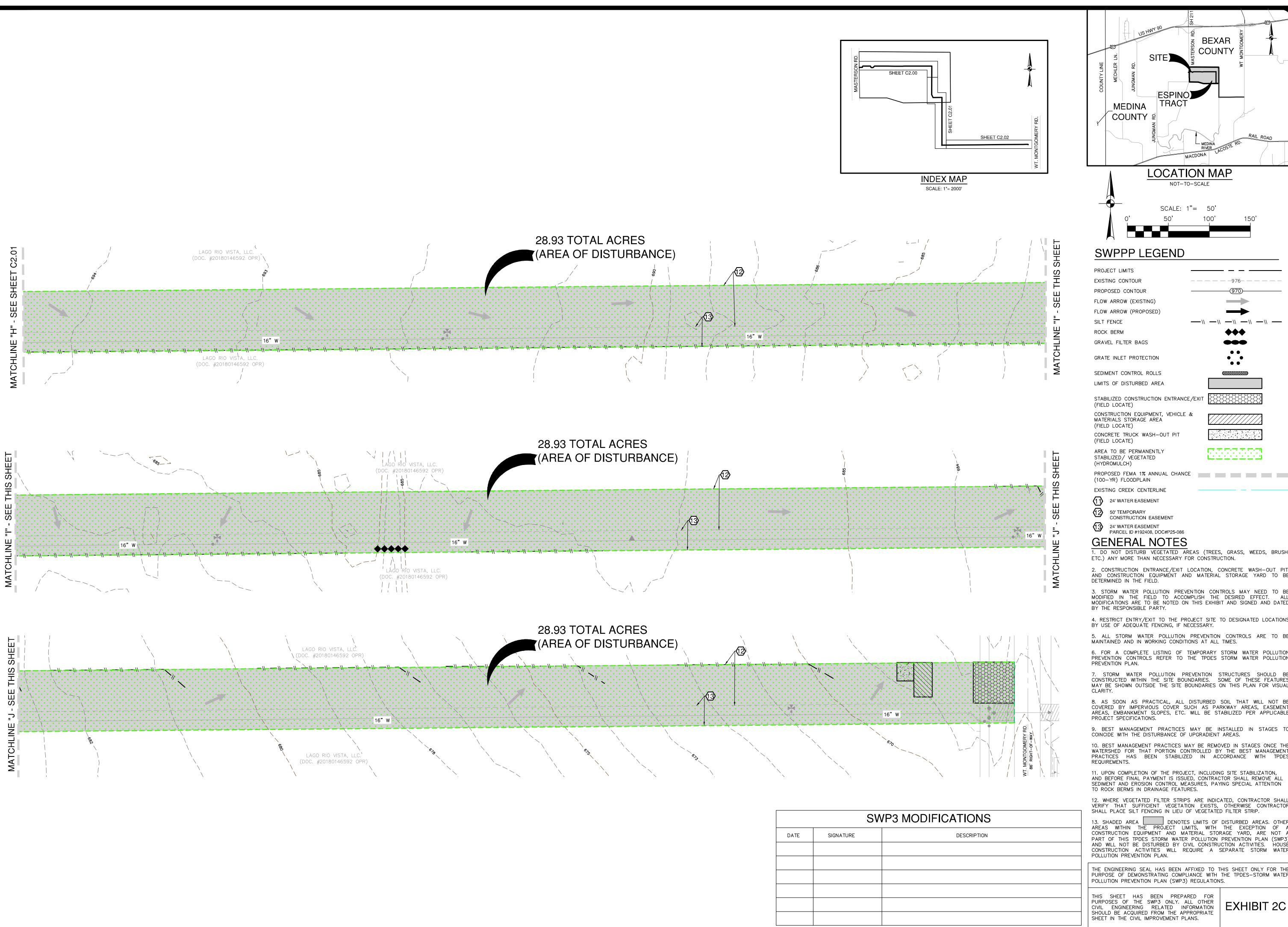
WATER (SAWS PRESSURE ZONE 930)

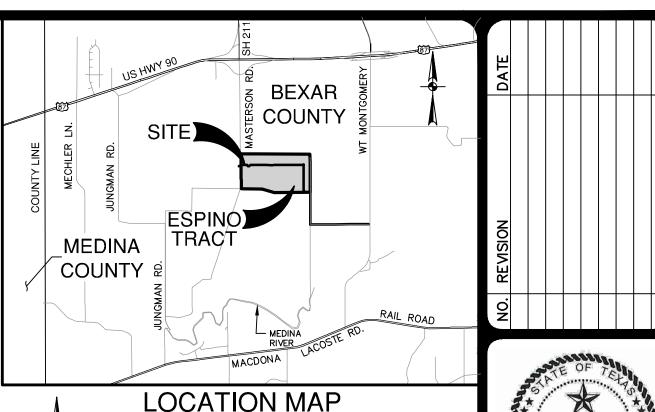
DEVELOPER'S NAME: KB HOME LONE STAR, INC.	_]
ADDRESS: 4800 FREDERICKSBURG RD, STE. 100	_
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78229	-
PHONE#	-
SAWS BLOCK MAP# 070550 TOTAL EDU'S 0 TOTAL ACREAGE 31.6	6
TOTAL LINEAR FOOTAGE OF PIPE: 16"=12,346 LF PLAT NO. N/A	-
NUMBER OF LOTS 0 SAWS JOB NO. 25-1051	-
	_/

PLAT NO. ___ N/A JOB NO. 13240-04 JULY 2025 DESIGNER_ CHECKED<u>VS/DW</u>DRAWN<u>JV</u>



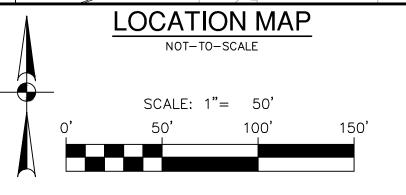






JIM C. WELCH

<u>NO</u>



SWPPP LEGEND

******* • •

GRATE INLET PROTECTION

SEDIMENT CONTROL ROLLS LIMITS OF DISTURBED AREA

STABILIZED CONSTRUCTION ENTRANCE/EXIT CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA

CONCRETE TRUCK WASH-OUT PIT

AREA TO BE PERMANENTLY STABILIZED/ VEGETATED

PROPOSED FEMA 1% ANNUAL CHANCE

EXISTING CREEK CENTERLINE 24' WATER EASEMENT

CONSTRUCTION EASEMENT 24' WATER EASEMENT

GENERAL NOTES

1. DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.

2. CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT P AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE

MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.

4. RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.

5. ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.

6. FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION

7. STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL

COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE 9. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES

COINCIDE WITH THE DISTURBANCE OF UPGRADIENT AREAS. 10. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT

11. UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION

12. WHERE VEGETATED FILTER STRIPS ARE INDICATED, CONTRACTOR SHALL VERIFY THAT SUFFICIENT VEGETATION EXISTS, OTHERWISE CONTRACTOR

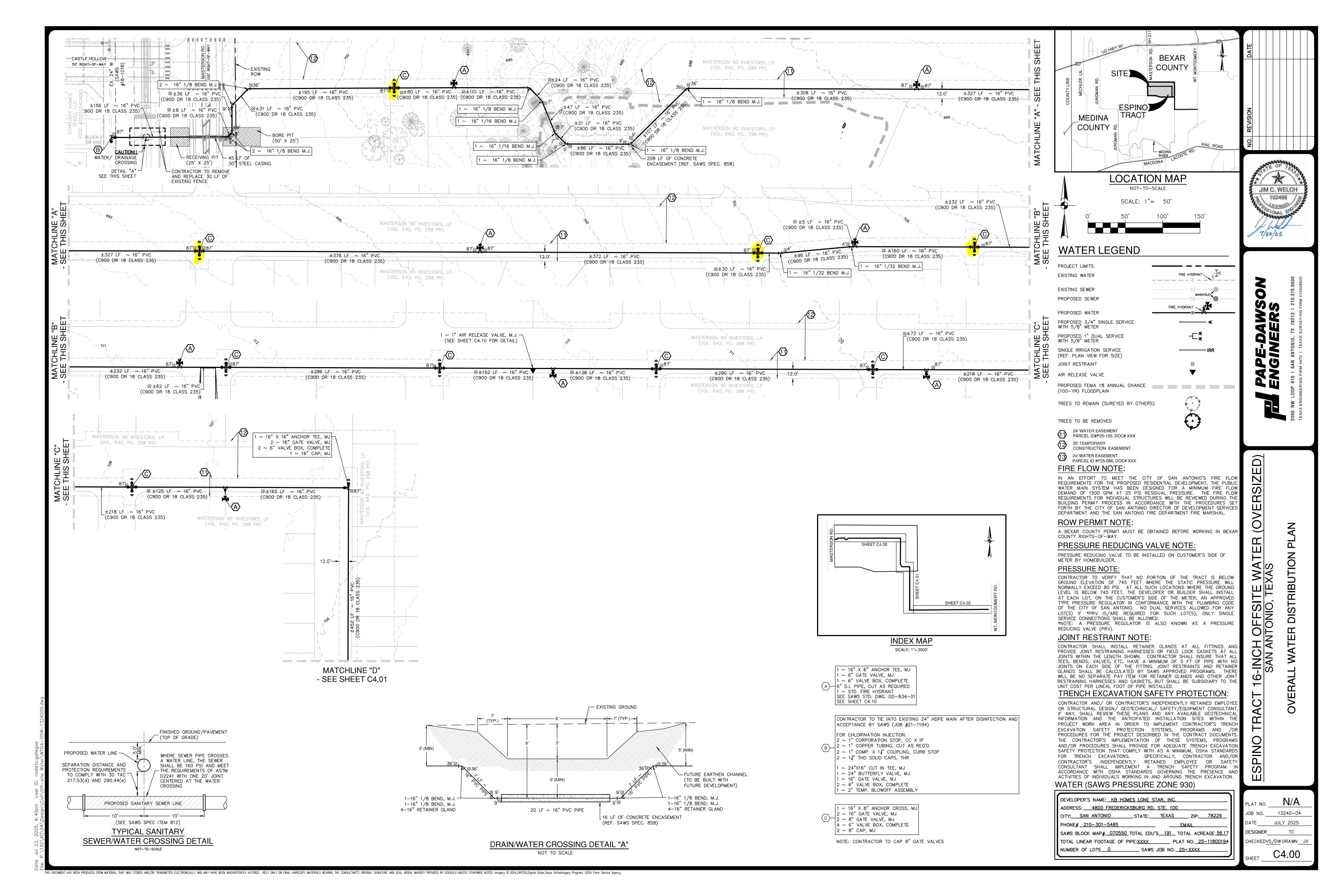
SHALL PLACE SILT FENCING IN LIEU OF VEGETATED FILTER STRIP. 13. SHADED AREA DENOTES LIMITS OF DISTURBED AREAS. OTHER AREAS WITHIN THE PROJECT LIMITS, WITH THE EXCEPTION OF A CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD, ARE NOT A PART OF THIS TPDES STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND WILL NOT BE DISTURBED BY CIVIL CONSTRUCTION ACTIVITIES. HOUSÉ CONSTRUCTION ACTIVITIES WILL REQUIRE A SEPARATE STORM WATER

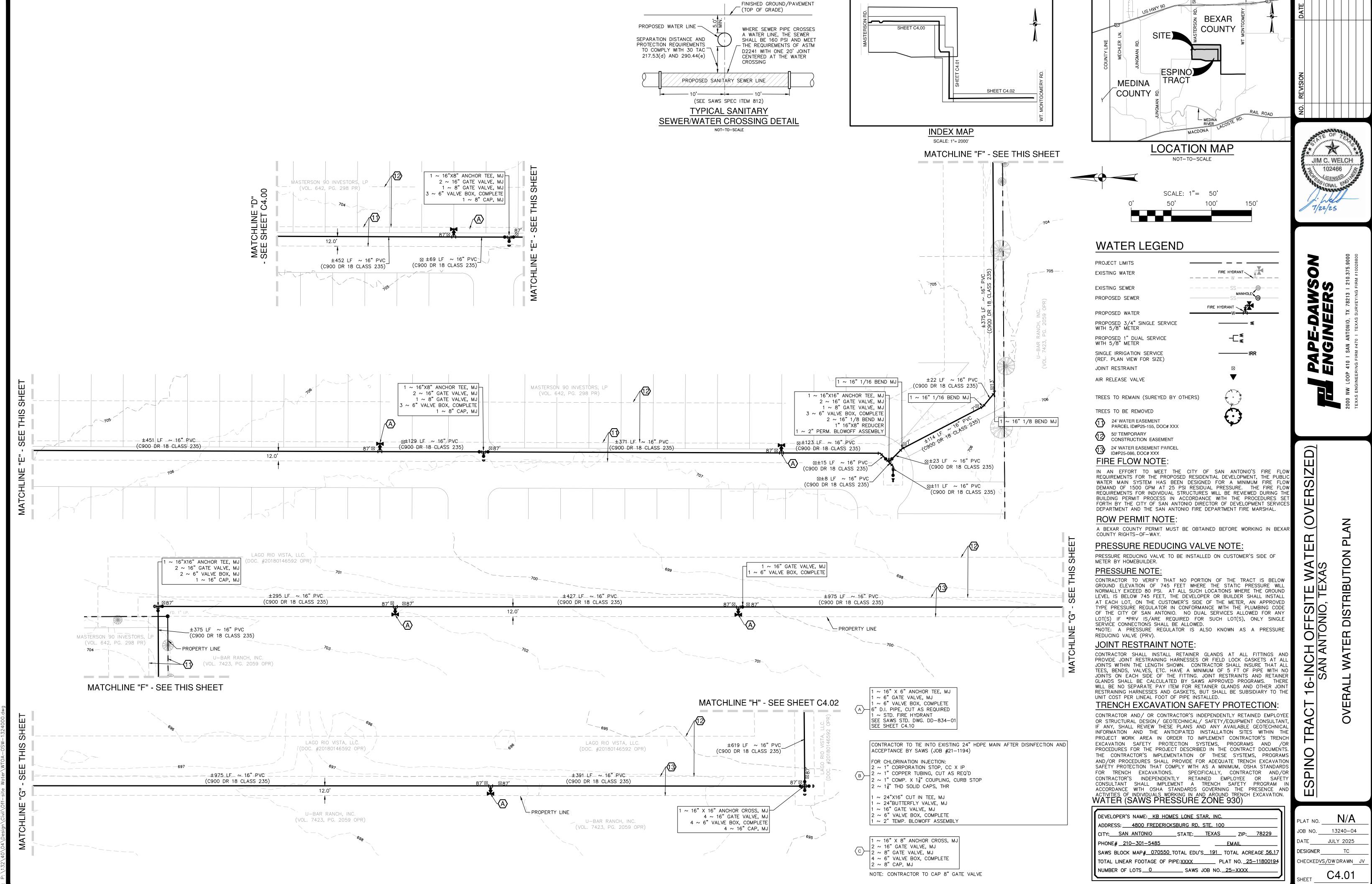
THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR TH PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

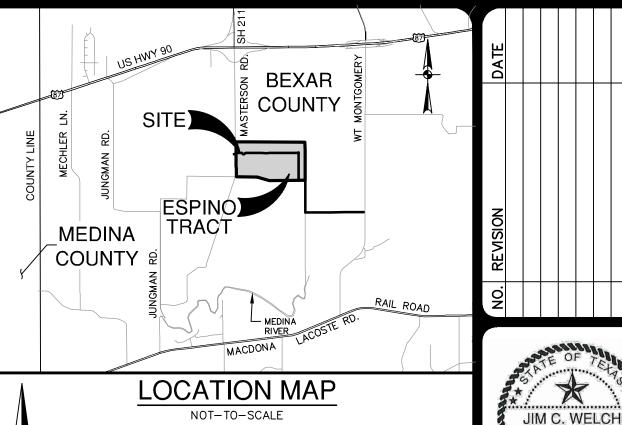
THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

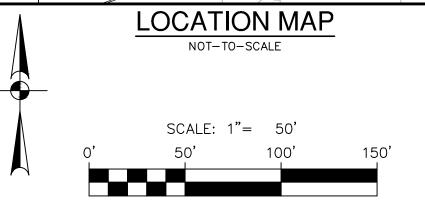
13240-04 JULY 2025 DESIGNER

CHECKED<u>VS/DW</u> DRAWN<u>JV</u> C2.02









WATER LEGEND

FIRE HYDRANT _ # PROPOSED 3/4" SINGLE SERVICE PROPOSED 1" DUAL SERVICE WITH 5/8" METER SINGLE IRRIGATION SERVICE (REF. PLAN VIEW FOR SIZE) TREES TO REMAIN (SUREYED BY OTHERS)

24' WATER EASEMENT
PARCEL ID#P25-155, DOC# XXX 50' TEMPORARY
CONSTRUCTION EASEMENT

IN AN EFFORT TO MEET THE CITY OF SAN ANTONIO'S FIRE FLO REQUIREMENTS FOR THE PROPOSED RESIDENTIAL DEVELOPMENT, THE PUBLIC WATER MAIN SYSTEM HAS BEEN DESIGNED FOR A MINIMUM FIRE FLO DEMAND OF 1500 GPM AT 25 PSI RESIDUAL PRESSURE. THE FIRE FLO REQUIREMENTS FOR INDIVIDUAL STRUCTURES WILL BE REVIEWED DURING T BUILDING PERMIT PROCESS IN ACCORDANCE WITH THE PROCEDURES SET FORTH BY THE CITY OF SAN ANTONIO DIRECTOR OF DEVELOPMENT SERVICES DEPARTMENT AND THE SAN ANTONIO FIRE DEPARTMENT FIRE MARSHAL.

A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAF

PRESSURE REDUCING VALVE NOTE:

PRESSURE REDUCING VALVE TO BE INSTALLED ON CUSTOMER'S SIDE OF METER BY HOMEBUILDER.

CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF 745 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW 745 FEET, THE DEVELOPER OR BUILDER SHALL INSTALL AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPROVED TYPE PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR ANY LOT(S) IF *PRV IS/ARE REQUIRED FOR SUCH LOT(S), ONLY SINGLE SERVICE CONNECTION'S SHALL BE ALLOWED. *NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESSURE

CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS AN PROVIDE JOINT RESTRAINING HARNESSES OR FIELD LOCK GASKETS AT ALL JOINTS WITHIN THE LENGTH SHOWN. CONTRACTOR SHALL INSURE THAT ALL TEES, BENDS, VALVES, ETC. HAVE A MINIMUM OF 5 FT OF PIPE WITH NO JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RETAINER GLANDS SHALL BE CALCULATED BY SAWS APPROVED PROGRAMS. THER WILL BE NO SEPARATE PAY ITEM FOR RETAINER GLANDS AND OTHER JOINT RESTRAINING HARNESSES AND GASKETS, BUT SHALL BE SUBSIDIARY TO TH UNIT COST PER LINEAL FOOT OF PIPE INSTALLED.

TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND /C PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRA AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVAT SAFÉTY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDAI FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND, CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAF CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION WATER (SAWS PRESSURE ZONE 930)

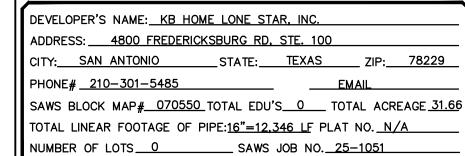
DEVELOPER'S NAME: KB HOMES LONE STAR, INC.
ADDRESS: 4800 FREDERICKSBURG RD, STE. 100
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78229
PHONE# <u>210-301-5485</u> <u>EMAIL</u>
SAWS BLOCK MAP# 070550 TOTAL EDU'S 191 TOTAL ACREAGE 56.17
TOTAL LINEAR FOOTAGE OF PIPE:XXXX PLAT NO. 25-11800194
NUMBER OF LOTS 0 SAWS JOB NO. 25-XXXX

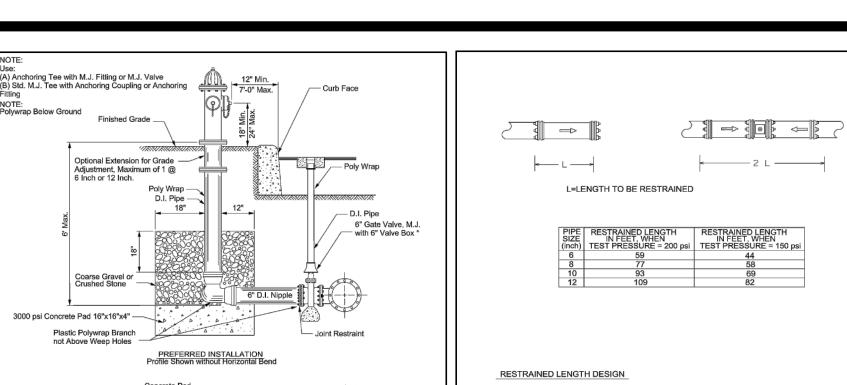
AMS TION ARDS OOR ETY IN AND ON.	ESPINC	
$\overline{\mathbf{n}}$		
Ш	PLAT NO.	
Ш	JOB NO1	1
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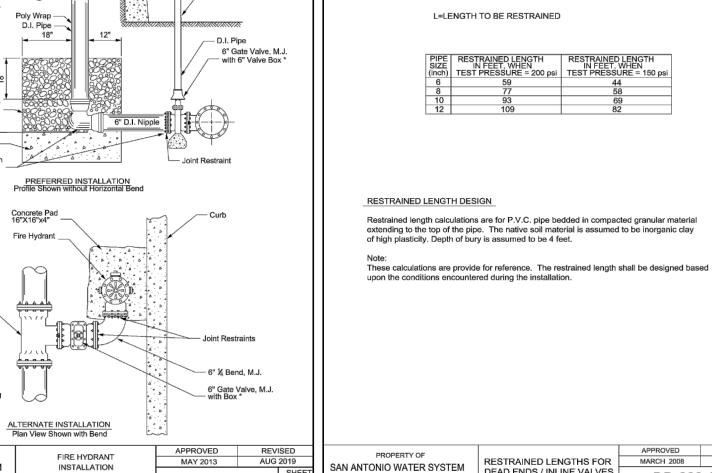
13240-04 LY 2025 D<u>VS/DW</u> DRAWN__JV

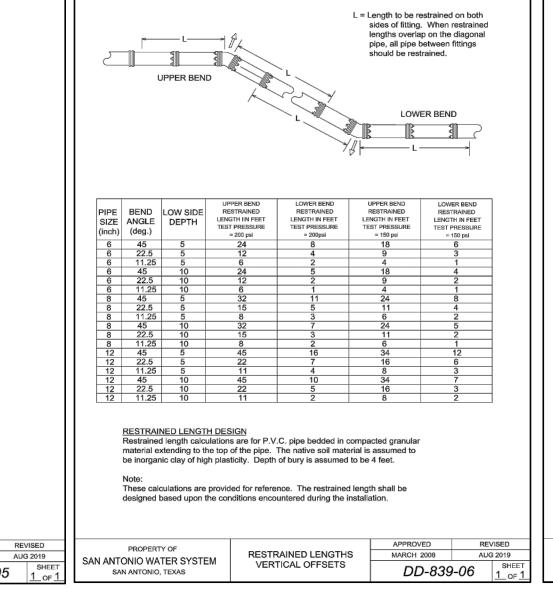
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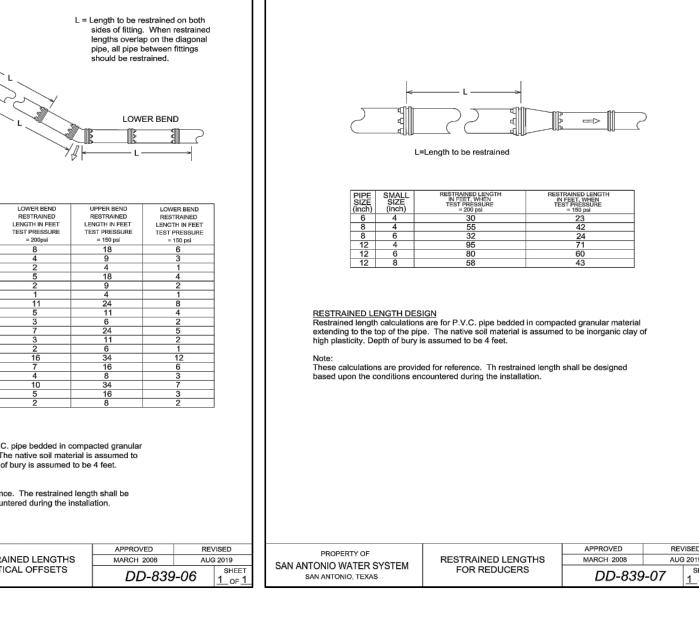
WATER (SAWS PRESSURE ZONE 930)

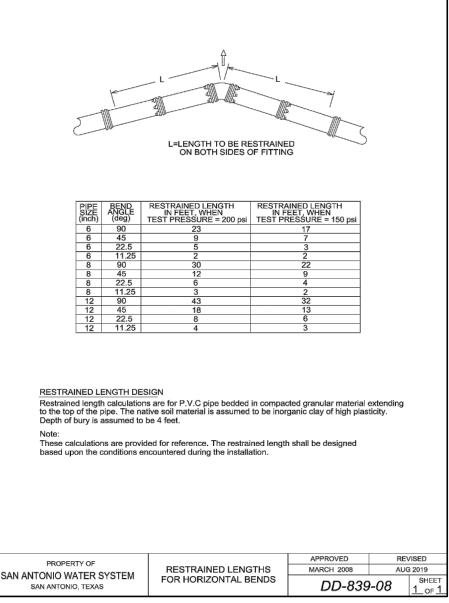












CEMENT STABILIZED BACKFILL DETAIL

VARIES (SEE NOTE NO. 2)

Constructed with No. 3

Note: For all work associated with Recycle Water Valves, refer to DD 110-10, Sht. 1 o

DD 828-01

- EXISTING GROUND

(SEE NOTE NO. 3)

SUITABLE AND APPROVED BACKFILL MATERIAL PLACED IN UNIFORM LAYERS OF 6" TO 10" COMPACTED TO 95% STANDARD

PROCTOR DENSITY OR QUICKEST/

SAND, GRAVEL SUBGRADE FILLER,

DECEMBER 2014

OR PEA GRAVEL FOR THE FILL AROUND THE CONDUIT CASING

- UNDISTURBED SOIL

TABLE I: TRENCH BENCH

All UTILITIES WITHIN 2 FEET OF THE EDGE OF A PAVED SHOULDER, OR 4 FEET IF NO PAVED

HOULDER EXISTS, OR WHERE EXISTING SURFACE GRADE EXCEEDS 5% SHALL BE REQUIRED

THE LIMITS CEMENT STABILIZED BACKFILL WILL BE DETERMINED AT THE TIME A PERMIT IS

. A 6" THICKNESS OF CEMENT STABILIZED BASE, BENCHED AS NOTED IN TABLE I ON EACH

SIDE OF THE TRENCH WILL BE USED FOR THE FINAL LIFT OF THE TRENCH REPAIR.

O BE CAPPED WITH CEMENT STABILIZED BASE OR APPROVED EQUIVALENT.

TRENCH WIDTH

>6' - ≤9'

PREPARED BY: BEXAR COUNTY PUBLIC WORKS

| INSTALLATION OF NON-GEARED | MARCH 2008 | AUG 2019 |
| GATE VALVE WITH VALVE BOX | AND EXTENSION | DD 828-01 | SHE

6" Min.

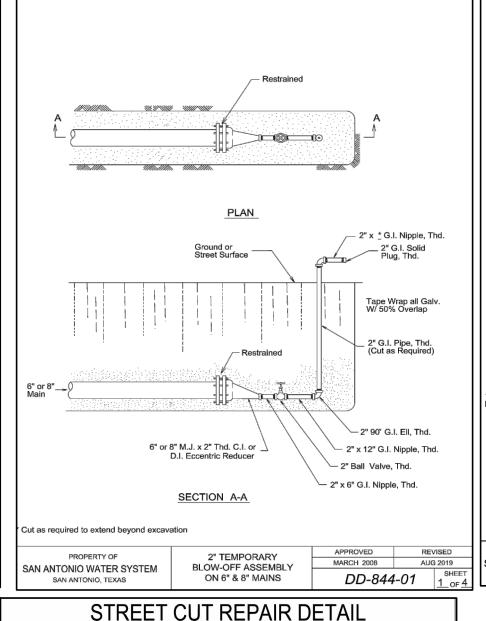
Tracer Wire Bolted — to Gate Valve

Use Concrete Blocking — for all Valves

SAN ANTONIO WATER SYSTEM

SAN ANTONIO, TEXAS

NOTE: Tracer Wire for PVC (Typ. for PVC & HDPE) NOTE: All Concrete to be 3,000 psi



VALVE MARKER

SECTION A-A

VALVE MARKER

 Valve Marker is 3" Steel pipe painted as shown

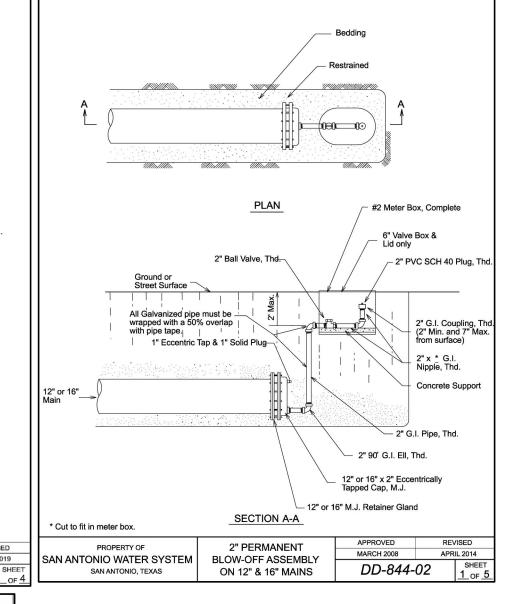
be referenced to Marker
3. SAWS Decal shall be noted
on the marker and facing
the diection of the valve.

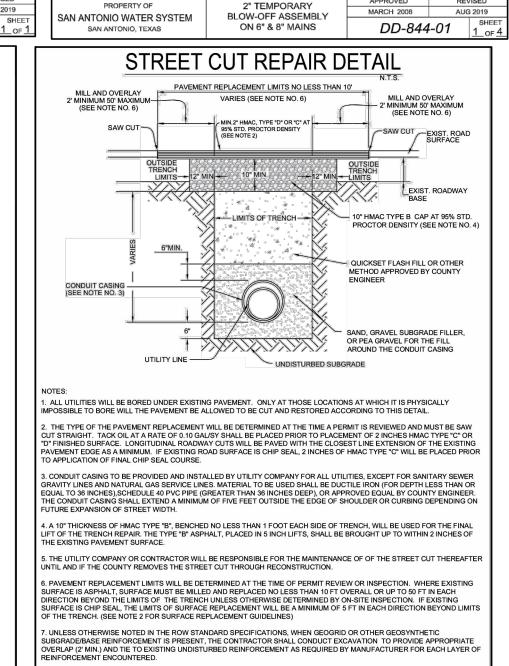
SAN ANTONIO WATER SYSTEM

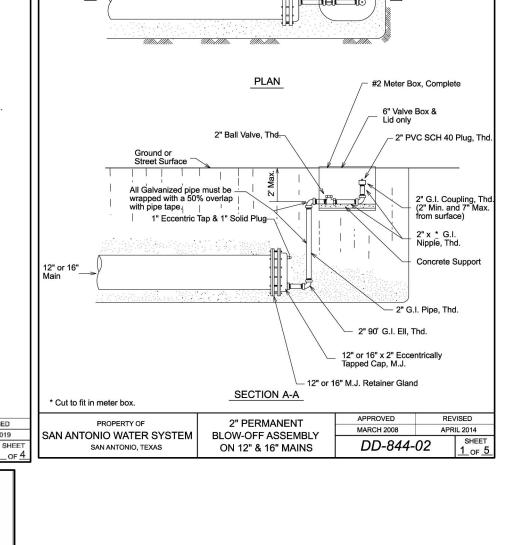
Top closed and welded

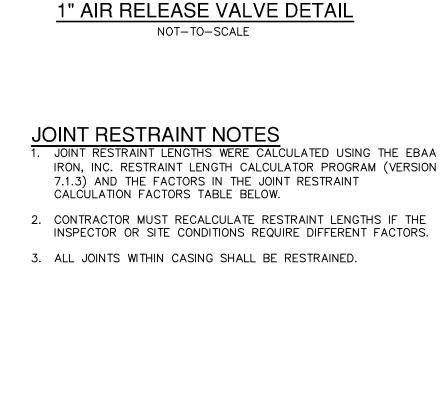
APPROVED MARCH 2008

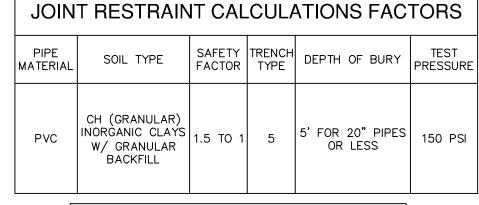
DD-828-04



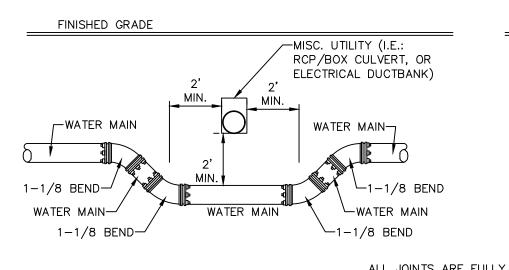


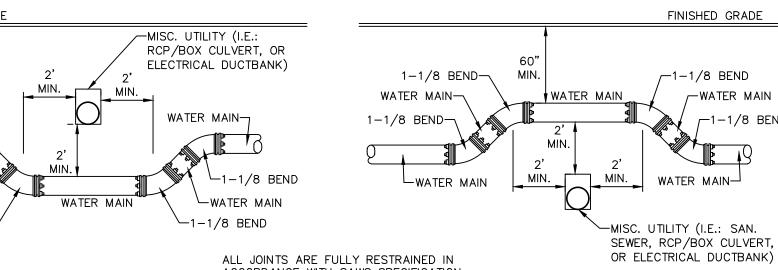






	16" P	VC	
DEAD ENDS/GATE VA	ALVES		87'
1/8 VERT BENDS (U	PPER)		36'
1/8 VERT BENDS (LO	OWER)		9'
1/32 BENDS			4'
1/16 BENDS			7'
1/8 BENDS			13'
TEE (16X16)			87'





FINISHED GROUND/PAVEMENT (TOP OF GRADE)

(SEE SAWS SPEC ITEM 812) TYPICAL SANITARY **CROSSING DETAIL** NOT-TO-SCALE

DEVELOPER'S NAME: KB HOME LONE STAR, INC.
ADDRESS: 4800 FREDERICKSBURG RD, STE. 100
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78229
PHONE#
SAWS BLOCK MAP# 070550 TOTAL EDU'S 0 TOTAL ACREAGE 31.66
TOTAL LINEAR FOOTAGE OF PIPE:16"=12,346 LF PLAT NO. N/A
NUMBER OF LOTS 0 SAWS JOB NO. 25-1051

13240-04 DESIGNER CHECKED<u>VS/DW</u> DRAWN___J\

PROPOSED WATER LINE -WHERE SEWER PIPE CROSSES A WATER LINE, THE SEWER SEPARATION DISTANCE AND SHALL BE 160 PSI AND MEET PROTECTION REQUIREMENTS THE REQUIREMENTS OF ASTM TO COMPLY WITH 30 TAC D2241 WITH ONE 20' JOINT CENTERED AT THE WATER CROSSING

217.53(d) AND 290.44(e) PROPOSED SANITARY SEWER LINE

SEWER/WATER CROSSING DETAIL NOT-TO-SCALE

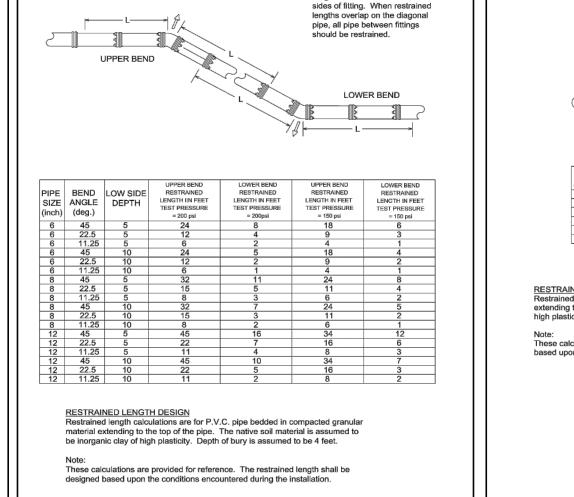
SAN ANTONIO, TEXAS

Pipe Diameter X 6" Tee

PROPERTY OF SAN ANTONIO WATER SYSTEM DD-834-01

NOTE: Operation of Hydrant shall be Full Opened or Full Closed Throttleling is Prohibited

DEAD ENDS / INLINE VALVES DD-839-05 SAN ANTONIO, TEXAS



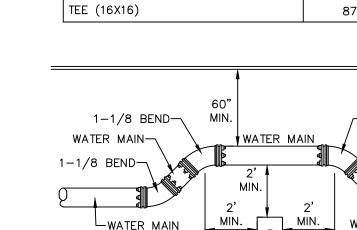
1" CORPORATION STOP, IP X CU @ HIGH POINT OF MAIN. 1" AUTO AIR RELEASE VALVE.

WATER MAIN ONLY INSTALL IF REQUIRED BY INSPECTOR CONTRACTOR TO NOTIFY ENGINEER BEFORE INSTALLATION. NOTE: CONTRACTOR MUST COMPLY WITH MANUFACTURE'S INSTALLATION OF PROPER RESTRAINTS. IF PROPER THRUST BLOCKING IS NOT INSTALLED, CONTRACTOR MUST INSTALL

SEE SAWS STD. DWG. DD-846-01 SHEET 1 OF 1

JOINT RESTRAINTS PER MANUFACTURER'S SPECIFICATION. * DOUBLE NUT ALL RESTRAINING BOLTS. * ANY TYPE OF JOINT RESTRAINT MUST BE BI-DIRECTIONAL.

		16" P	VC	
	DEAD ENDS/GATE \	VALVES		87'
	1/8 VERT BENDS (UPPER)		36'
	1/8 VERT BENDS (I	LOWER)		9,
	1/32 BENDS			۸,



ACCORDANCE WITH SAWS SPECIFICATION TABLE DD-839-06. TYPICAL UTILITY/WATER

- 1	
	DEVELOPER'S NAME: KB HOME LONE STAR, INC.
	ADDRESS: 4800 FREDERICKSBURG RD, STE. 100
	CITY: SAN ANTONIO STATE: TEXAS ZIP: 78229
	PHONE# EMAIL
	SAWS BLOCK MAP# 070550 TOTAL EDU'S 0 TOTAL ACREAGE 31.66
	TOTAL LINEAR FOOTAGE OF PIPE:16"=12,346 LF PLAT NO. N/A
	NUMBER OF LOTS 0 SAWS JOB NO. 25-1051

GENERAL CONSTRUCTION

- 1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE.
- A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) 'DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND 'PUBLIC DRINKING WATER", TAC TITLE
- 30 PART 1 CHAPTER 290.

 B. CURRENT TXDOT 'STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE".
- C. CURRENT 'SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION'.D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS"
- CONSTRUCTION".

 E. CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).
- 2. THE CONTRACTOR SHALL NOT PROCEED WITH ANY PIPE INSTALLATION WORK UNTIL THEY OBTAIN A COPY OF THE APPROVED COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP) FROM THE CONSULTANT AND HAS BEEN NOTIFIED BY SAWS CONSTRUCTION INSPECTION DIVISION TO PROCEED WITH THE WORK AND HAS ARRANGED A MEETING WITH THE INSPECTOR AND CONSULTANT FOR THE WORK REQUIREMENTS. WORK COMPLETED BY THE CONTRACTOR WITHOUT AN APPROVED COUNTER PERMIT AND/OR A GCP WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE EXPENSE OF THE CONTRACTORS AND/OR THE DEVELOPER.
- THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETAILS FROM THE SAWS WEBSITE, HTTP://WWW.SAWS.ORG/BUSINESS_CENTER/SPECS. UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.
- 4. THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973, ON NOTIFICATION PROCEDURES THAT WILL BE USED TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 HOURS PRIOR TO BEGINNING ANY WORK.
- 5. LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
- 6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
- SAWS Utility Locates: http://www.saws.org/Service/Locates
- COSA Drainage (210) 207-0724 or (210) 207-6026
 COSA Traffic Signal Operations (210) 206-8480
- COSA Traffic Signal Damages (210) 207-3951
- Texas State Wide One Call Locator 1-800-545-6005 or 811
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION IF DAMAGES ARE MADE AS A RESULT OF THE PROJECT'S CONSTRUCTION
- 8. ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) AND/OR BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT REQUIREMENTS.
- 9. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
- 10. THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD

PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.

- 11. HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKEO@SAWS.ORG.
- WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
- ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.
- 12. COMPACTION NOTE (ITEM 804): THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE COMPACTION REQUIREMENTS ON ALL TRENCH BACKFILL AND FOR PAYING FOR THE TESTS PERFORMED BY A THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED, OR AS INDICATED BY THE SAWS INSPECTOR AND/OR THE TEST ADMINISTRATOR, PER EACH 12—INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.
- 13. A COPY OF ALL TESTING REPORTS SHALL BE FORWARDED TO SAWS CONSTRUCTION INSPECTION DIVISION.

WATER NOTES

- 1. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY
- FOR WATER MAINS 12"OR HIGHER: SAWS EMERGENCY OPERATIONS CENTER (210) 233-2014.
- 2. ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS—CONTAINING MATERIAL (ACM), MAYBE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS, PAYMENT FOR SUCH WORK IS TO BE MADE UNDER ITEM NO. 3000, "HANDLING ASBESTOS CEMENT PIPE".
- AC PIPE REMOVED ON CONSTRUCTION PROJECTS FOR TIE-IN(S) SHOULD BE IN LENGTH OF 26 LINEAR FEET (LF). LENGTHS OF 13 LF SHOULD BE REMOVED WHERE AC PIPE IS BEING REMOVED AND CROSSING PIPES, CONDUITS, OR BOXES.
- 3. VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG. (NSPI)
- 4. SUITABLE ANCHORAGE/THRUST BLOCKING OR JOINT RESTRAINT SHALL BE PROVIDED AT ALL OF THE FOLLOWING MAIN LOCATIONS: DEAD ENDS, PLUGS, CAPS, TEES, CROSSES, VALVES, AND BENDS, IN ACCORDANCE WITH THE STANDARD DRAWINGS DD-839 SERIES AND ITEM NO. 839, IN THE SAWS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 5. ALL VALVES SHALL READ "OPEN RIGHT".
- 6. PRVS REQUIRED: CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF 745 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW 745 FEET, THE DEVELOPER OR BUILDER SHALL INSTALL AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPROVED TYPE PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR ANY LOT(S) IF *PRV IS/ARE REQUIRED FOR SUCH LOT(S), ONLY SINGLE SERVICE CONNECTIONS SHALL BE ALLOWED.
- *NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESSURE REDUCING VALVE (PRV).
- 7. PIPE DISINFECTION WITH DRY HTH FOR PROJECTS LESS THAN 800 LINEAR FEET. (ITEM NO. 847.3): MAINS SHALL BE DISINFECTED WITH DRY HTH WHERE SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE INSPECTOR, AND SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS METHOD OF DISINFECTION WILL ALSO BE

FOLLOWED FOR MAIN REPAIRS. THE CONTRACTOR SHALL UTILIZE ALL APPROPRIATE SAFETY MEASURE TO PROTECT HIS PERSONNEL DURING DISINFECTION OPERATIONS.

- 8. BACKFLOW PREVENTION DEVICES:
 - ALL IRRIGATION SERVICES WITHIN RESIDENTIAL AREAS ARE REQUIRED TO HAVE BACKFLOW PREVENTION DEVICES.
 ALL COMMERCIAL BACKFLOW PREVENTION DEVICES MUST BE APPROVED BY SAWS PRIOR TO INSTALLATION.
- 9. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL THE WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED, AND SAWS HAS RELEASED THE MAIN FOR TIE—IN AND USE.
- 10. DIVISION VALVES: DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON PLANS BUT FOUND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND PROPER COORDINATION WITH ALL SAWS DEPARTMENTS, CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO TH INSPECTOR A MINIMUM OF TWO WEEKS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A DIVISION VALVE WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES, OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OR BE CAUSED BY THE OPERATION OF THE VALVE WITHOUT PRIOR WRITTEN PERMISSION. PLEASE BE INFORMED THAT THE APPROVAL OF THE OPERATION OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

ADDITIONAL WATER NOTES

- 1. <u>LEAD FREE FIRE HYDRANTS:</u>
 "SAWS REQUIRES GCPS AND COUNTER PERMITS TO USE LEAD FREE (< 0.25% LEAD) FIRE HYDRANTS."
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE AND VERIFY THAT ALL STAKES REQUIRED FOR HIS WORK ARE IN PLACE AT THE TIME THE CONSTRUCTION BEGINS. IF ANY STAKES ARE MISSING, THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY. AFTER CONSTRUCTION BEGINS, ALL CONSTRUCTION STAKES, MARKS, ETC., SHALL BE CAREFULLY PRESERVED BY THE CONTRACTOR, AND IN CASE OF DESTRUCTION OR REMOVAL BY THE CONTRACTOR, HIS EMPLOYEE OR ANY OTHER MEANS, SUCH STAKES, MARKS, ETC., SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 3. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH ALL THE FINAL MEASUREMENTS, TAPS AND LENGTH OF SERVICE CONNECTIONS.
- 4. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED AND THE S.A.W.S. RELEASES THE MAIN FOR TIE—IN AND USE.
- 5. UNIT PRICE BID FOR "STANDARD FIRE HYDRANT ASSEMBLY" SHALL INCLUDE FIRE HYDRANT, 6-INCH GATE VALVE AND 6-INCH VALVE BOX COMPLETE, ANCHOR BEND, AND ALL 6-INCH DI PIPE REQUIRED (DI PIPE REQUIRED SHALL INCLUDE ALL PIPE FROM THE TEE ON THE MAIN LINE TO THE FIRE HYDRANT).
- 6. FIRE HYDRANTS SHALL BE PLACED NO FURTHER THAN 7' AND NO CLOSER THAN 1' FROM FACE OF CURB.

MISCELLANEOUS NOTES

- ALL FENCING, SIGNS AND ANY OTHER IMPROVEMENTS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO ITS ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.
- 2. ALL PIPE FITTINGS AND PIPE RESTRAINTS SHALL BE CONSIDERED SUBSIDIARY TO THE WATER MAIN PIPE UNIT PRICE.
- 3. CONTRACTOR SHALL REPAIR OR REPLACE ANY ADJACENT CURB, PAVEMENT, PAVEMENT MARKINGS, FENCES, ETC. DAMAGED BY CONSTRUCTION TO THE PRE-EXISTING CONDITIONS, AT CONTRACTOR'S EXPENSE.
- 5. FIRE HYDRANTS SHALL BE PAINTED WITH APPROPRIATE SAWS COLORS.
- 6. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED AND THE S.A.W.S. RELEASES THE MAIN FOR TIE—IN AND USE.

CPS ENERGY GAS VALVES AND OVERHEAD POWER

LINE NOTES

- CALL CPS LOCATOR AT 978-3500 72 HOURS BEFORE BEGINNING ANY EXCAVATION.
- 2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT
- 3. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN WORKING UNDER "HIGH VOLTAGE TRANSMISSION LINES". A WORKING HEIGHT OF 30' FROM GROUND ELEVATION WILL BE OBSERVED WHEN WORKING UNDER THE HIGH VOLTAGE LINE. COORDINATE ALL WORK WITH CPS ENERGY.

HAULING AND STORAGE

• HAULING AND/OR TEMPORARY STORAGE OF EQUIPMENT AND MATERIALS MAY BE NECESSARY, INCLUDING EXCAVATED MATERIAL AND SPOILS. CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL COSTS ASSOCIATED WITH HAULING AND OFF-SITE STORAGE OF ALL MATERIALS AND/OR EQUIPMENT.

UNDERGROUND UTILITIES NOTE

 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE

CONTRACTOR NOTES

- ALL SHOP DRAWINGS AND SUBMITTALS REQUIRED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 2. ALL AREAS WITHIN THE RIGHT-OF-WAY AND THE WATER LINE EASEMENT THAT ARE NECESSARY FOR INSTALLATION OF THE PROPOSED WATER LINE ARE TO BE CLEARED EXCEPT AS OTHERWISE NOTED ON THE PLANS AND/OR AS DIRECTED IN THE CONTRACT DOCUMENTS SPECIAL CONSTRUCTION CONDITIONS. CONTRACTOR SHALL REMOVE TREES WITHIN THE RIGHT-OF-WAY AND WATER LINE EASEMENT ONLY AS NECESSARY, FOR INSTALLATION OF THE PROPOSED WATER LINE. NO HERITAGE TREES SHALL BE REMOVED. OTHERWISE ALL TREES WITHIN 15-FEET OF THE WORK SHALL BE PROTECTED, SEE TREE PROTECTION NOTES AND DETAILS.
- 3. PI'S AND PVI'S MAY BE SHOWN FOR PIPE JOINT DEFLECTION. JOINT DEFLECTION SHALL BE AS PER THE PIPE MANUFACTURER'S RECOMMENDATIONS, AND LIMITED TO SAWS MAXIMUM ALLOWABLE DEFLECTION ANGLES.
- 4. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH LANDOWNER(S) PRIOR TO ENTERING ANY PROPERTY OUTSIDE THE COUNTY RIGHT-OF-WAY 14 DAYS IN ADVANCE AND AGAIN 72 HOURS PRIOR TO CONSTRUCTION ON PRIVATE
- 5. CONTRACTOR SHALL REMOVE AND REPLACE, TO AS GOOD OR BETTER CONDITION THAN EXISTING, ANY CROSS FENCING LOCATED WITHIN THE WATER LINE EASEMENT AS NECESSARY FOR INSTALLATION OF THE PROPOSED WATER MAIN.
- 6. VALVE BOXES SHALL BE INSTALLED SO THAT THE VALVE OPERATING NUT IS CENTERED IN THE BOX. VALVES INSTALLED ON SLOPING TERRAIN SHALL HAVE THE VALVE BOX INSTALLED PERPENDICULAR TO THE VALVE WITH THE OPERATING NUT CENTERED IN THE BOX IN ORDER TO ALLOW THE VALVE WRENCH EASY ACCESS TO THE VALVE OPERATING NUT.
- 7. CONTRACTOR SHALL NOT OPERATE ANY EXISTING WATER VALVES WITHIN THE SAWS SYSTEM. NOTIFYING & OBTAINING ASSISTANCE FROM THE SAWS STAFF IS REQUIRED.
- 8. CONTRACTOR SHALL REFER TO THE CONTRACT DOCUMENTS SPECIAL CONSTRUCTION CONDITIONS FOR ADDITIONAL INFORMATION REGARDING WORK ASSOCIATED WITH THIS PROJECT.
- 9. 16" C900 PVC PIPE SHALL BE CLASS 235 (DR 18). ALL PIPE, FITTINGS AND VALVES SHALL MEET SAWS STANDARDS.
- 10. HAUL OFF OF EXCAVATED MATERIAL SHALL BE INCLUDED AS PART OF THE PIPE INSTALLATION LINE ITEM BID PRICE.

STORM WATER PROTECTION AND EROSION CONTROL

NOTES

- 1. CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMIT IT TO THE ENGINEER AND SAWS FOR REVIEW AND APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR THE SUBMITTAL OF THE SWPPP PLAN TO BEXAR COUNTY AS PART OF THEIR ROW PERMIT SUBMITTAL REQUIREMENT
- 2. CONTRACTOR SHALL INSTALL STORM WATER POLLUTION PREVENTION STRUCTURES INCLUDING BUT NOT LIMITED TO, SILT FENCING AND/OR ROCK BERMS IN ALL AREAS TO BE IMPACTED BY CURRENT AND ONGOING CONSTRUCTION AND MAINTAIN SUCH STRUCTURES UNTIL SUITABLE GROUNDCOVER/REVEGETATION IS ACCEPTED. ALL STORM WATER POLLUTION PREVENTION STRUCTURES SHALL BE CONSTRUCTED WITHIN THE COUNTY RIGHT—OF—WAY AND WATER LINE EASEMENTS. ANY FEATURES ON THE PLANS SHOWN OUTSIDE THESE AREAS ARE SHOWN FOR VISUAL CLARITY ONLY.
- 3. THE LOCATION OF ANY BEST MANAGEMENT PRACTICES (B.M.P.'S) SUCH AS SILT FENCING, ROCK BERMS, STABILIZED CONSTRUCTION ENTRANCE/EXIT, ETC. THAT MAY BE SHOWN ON THESE PLANS ARE SUBJECT TO FIELD VERIFICATION. CONTRACTOR SHALL ADJUST THE LOCATIONS OF B.M.P.'S TO BEST ACCOMMODATE THE CONDITIONS AND TOPOGRAPHY ENCOUNTERED DURING CONSTRUCTION. QUESTIONS REGARDING THE PLACEMENT AND/OR CHANGES CONCERNING B.M.P.'S SHALL BE REFERRED TO THE OWNER AND THE COUNTY. THE CONTRACTOR IS TO ENSURE THAT SEDIMENTATION AND EROSION WILL BE CONTAINED WITHIN THE PROJECT WORK AREAS AND KEPT OFF ROADWAYS AND ADJACENT PROPERTIES AND OUT OF DRAINAGE CHANNELS AND WATER COURSES.

TREE PROTECTION NOTES

- 1. CONTRACTOR TO PROTECT ALL TREES WHEREVER POSSIBLE. DAMAGE TO TREES IDENTIFIED TO BE PROTECTED WILL BE MITIGATED AT THE CONTRACTOR'S SOLE EXPENSE. ALSO, ALL WORK IN PUBLIC RIGHT—OF—WAY SHALL BE DONE IN ACCORDANCE WITH THE CONTROLLING ENTITIES STANDARDS, SPECIFICATIONS AND PERMIT REQUIREMENTS.
- 2. PROTECT EXISTING TREES SIX INCH (6") DIAMETER AND LARGER. ALL TREES TO BE PRESERVED AS PART OF THE PROJECT SHALL BE PROTECTED AGAINST INJURY OR DAMAGE, INCLUDING CUTTING, SOIL COMPACTION, BREAKING OR SKINNING OF ROOTS, TRUNKS, OR BRANCHES DURING CONSTRUCTION OPERATIONS BY FENCING AS DESCRIBED BELOW. THE TREE PROTECTION SHALL BE PLACED BEFORE ANY EXCAVATION OR GRADING IS BEGUN AND MAINTAINED FOR THE DURATION OF THE CONSTRUCTION WORK. PROTECTION WILL ENCOMPASS THE ROOT PROTECTION ZONE WHICH WILL BE AT MINIMUM ONE FOOT (1.0') RADIUS PER INCH DIAMETER OF THE TREE TRUNK AT 4.5' ABOVE GROUND. NO MATERIAL SHALL BE STORED OR CONSTRUCTION OPERATION SHALL BE CARRIED ON WITHIN THE TREE PROTECTION FENCING, UNLESS AUTHORIZED BY THE OWNER. THE PROTECTION SHALL REMAIN UNTIL ALL WORK IS COMPLETED. TREE PROTECTION SHALL BE INCLUDED IN BASE BID.

TRAFFIC CONTROL NOTE

CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO BEXAR COUNTY FOR REVIEW AND APPROVAL. NECESSARY TRAFFIC CONTROL, DETOUR ROUTING AROUND WORK ACTIVITIES, MAINTENANCE OF DETOUR SIGNS AND FLAGMEN ARE THE CONTRACTOR'S RESPONSIBILITY. UNLESS DIRECTED OTHERWISE, THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE OPEN TRAFFIC LANE (MINIMUM 12 FEET WIDE), CONTROLLED WITH FLAGMEN, DURING WORKING HOURS. DURING ALL NON—WORKING HOURS A MINIMUM OF TWO TRAFFIC LANES (EACH A MINIMUM 12 FEET WIDE) SHALL BE OPEN TO TRAFFIC. CONTRACTOR WILL FURNISH AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES PER TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), TO PROPERLY WARN, GUIDE AND CONTROL TRAFFIC AT ALL TIMES THROUGHOUT CONSTRUCTION.

UNDERGROUND TELEPHONE/COMMUNICATION LINES NOTE

• THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE AS SHOWN ON THESE PLANS HAS BEEN TAKEN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR SHALL CONTACT THE TELEPHONE/COMMUNICATION COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR SHALL PROTECT AND (AS NECESSARY) INSTALL SHORING FOR TELEPHONE COMPANY FACILITIES DURING CONSTRUCTION.

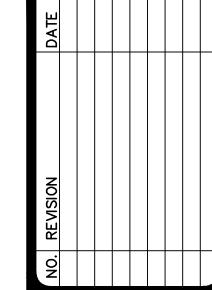
EXISTING IMPROVEMENTS

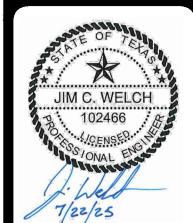
ALL EXISTING IMPROVEMENTS WITHIN THE PROJECT AREA, WHICH ARE NOT COVERED UNDER THE UNIT PRICE BID PROPOSAL, SHALL BE PROTECTED OR REMOVED AND REPLACED TO EXISTING CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.

BEXAR COUNTY FLOODPLAIN GENERAL CONSTRUCTION

NOT

 NO CONSTRUCTION AND/OR WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF EXISTING NATURAL DRAINAGE OR PLACED WITHIN THE LIMITS OF EXISTING FLOODPLAIN.





LOOP 410 I SAN ANTONIO, TX 78213 I 210.375.9000 NGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

NO TRACT 16-INCH OFFSITE WATER (OVE SAN ANTONIO, TEXAS

WATER (SAWS PRESSURE ZONE 930)

DEVELOPER'S NAME: KB HOME LONE STAR. INC.

ADDRESS: 4800 FREDERICKSBURG RD, STE. 100

CITY: SAN ANTONIO STATE: TEXAS ZIP: 78229

PHONE# 210-301-5485 EMAIL

SAWS BLOCK MAP# 070550 TOTAL EDU'S 0 TOTAL ACREAGE 31.66

TOTAL LINEAR FOOTAGE OF PIPE:16"=12,346 LF PLAT NO. N/A

NUMBER OF LOTS 0 SAWS JOB NO. 25-1051

PLAT NO. N/A

JOB NO. 13240-04

DATE JULY 2025

DESIGNER TC

CHECKEDVS/DW DRAWN JV

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