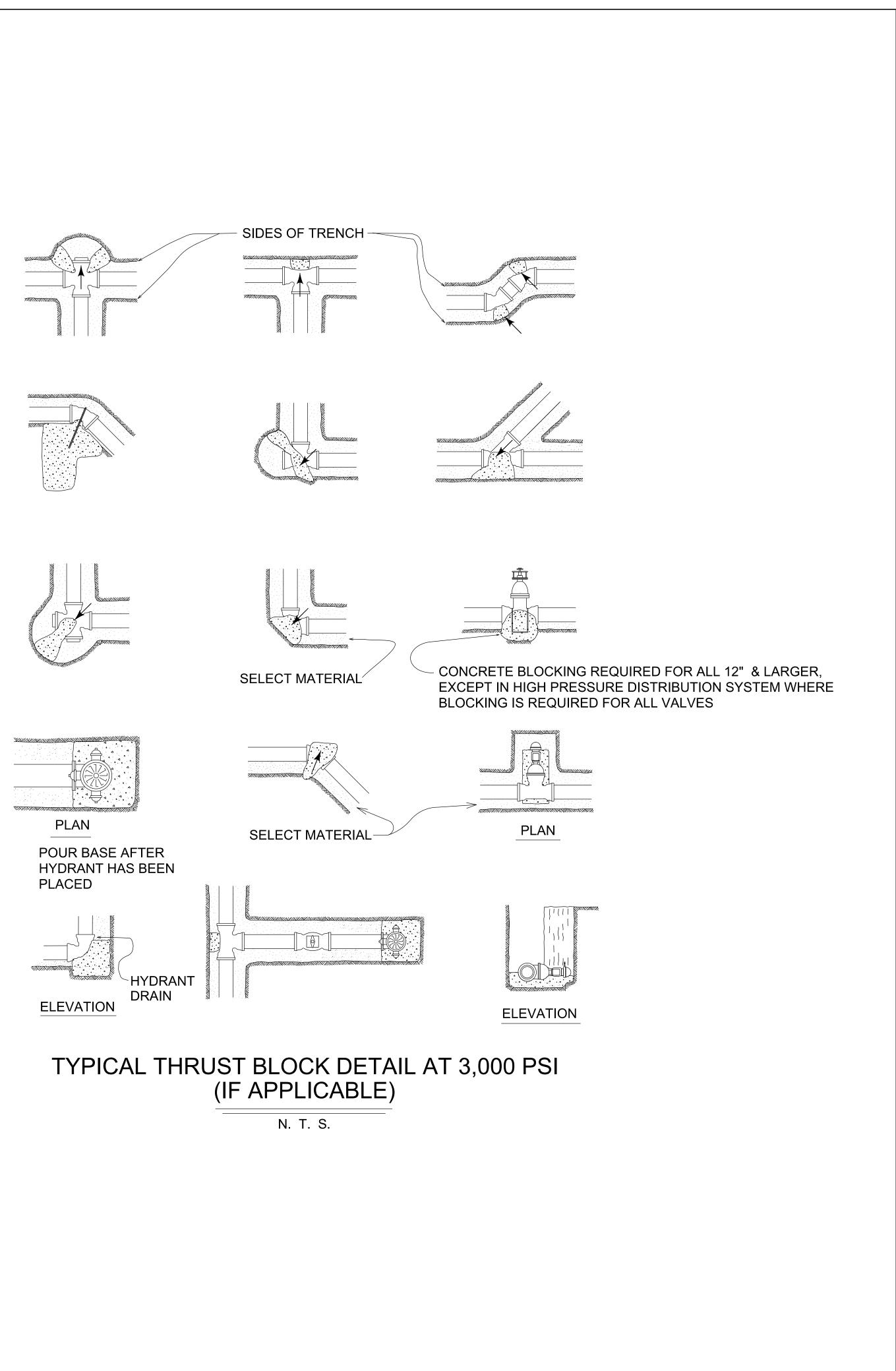


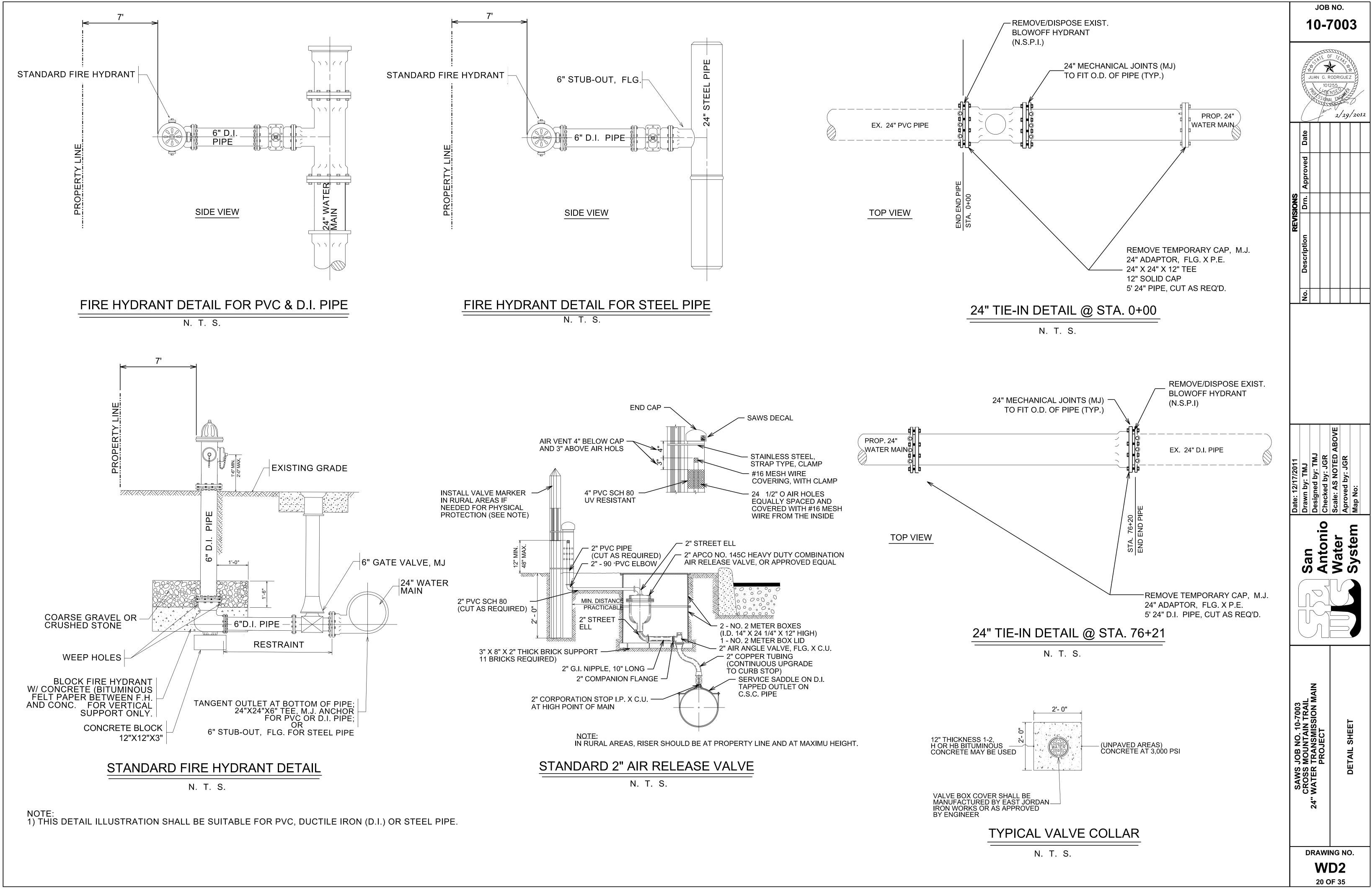
24" JOINT RESTRAINTS, M. J. OR EQUAL

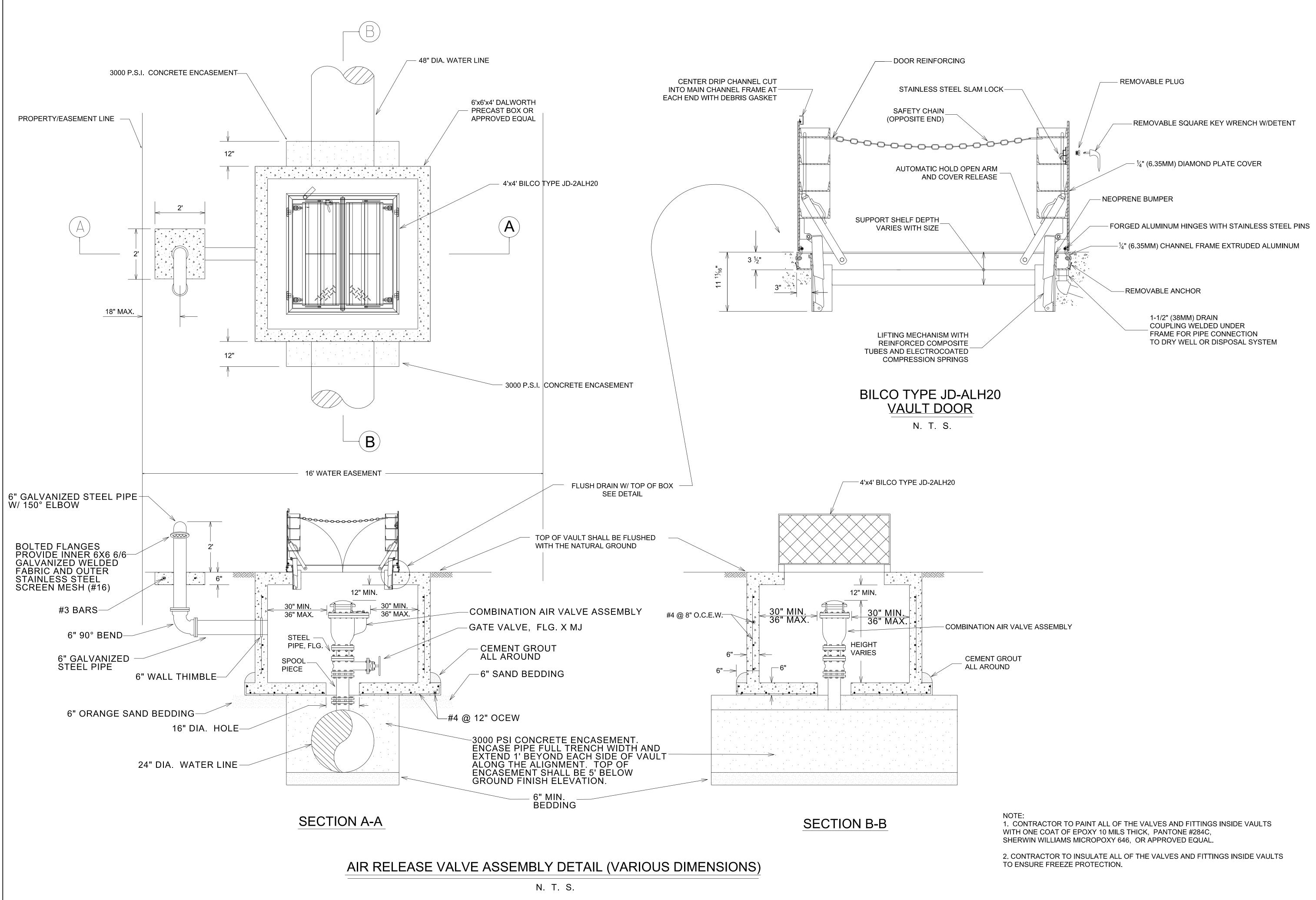
/---| MEGA LUG —|1" GAP PVC

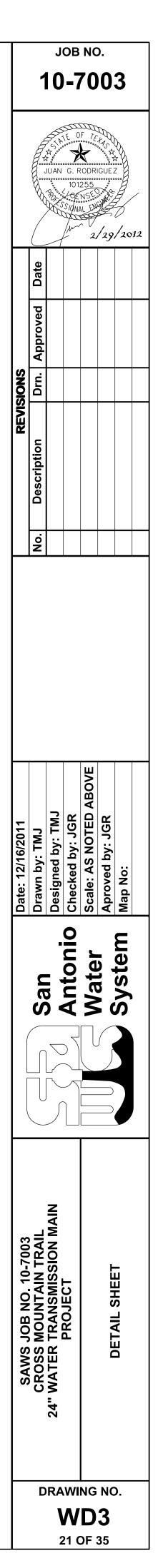
M.J. SOLID LONG SLEEVE

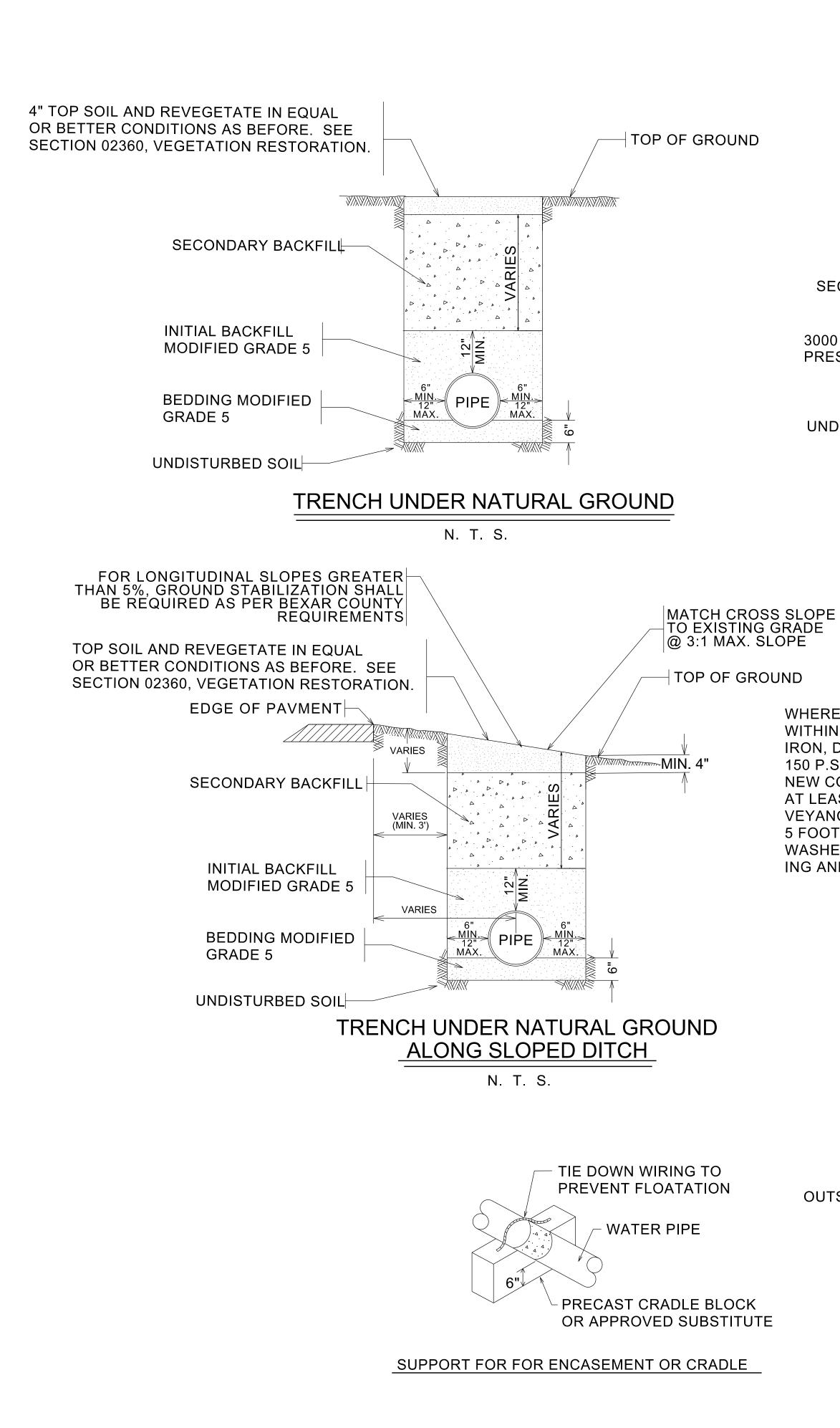


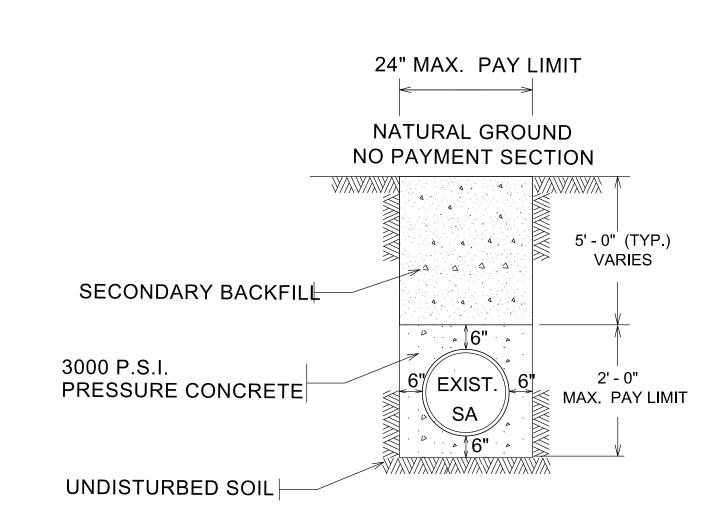
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JUAN G. RODRIGUEZ 101255 05.000 05.000 001255 000 000 000 000 000 000 000								
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	Approved							
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Date: 12/17/2011	Drawn by: TMJ	Designed by: TMJ	-	Scale: AS NOTED ABOVE	Aproved by: JGR			
System								
SAWS JOB NO 10-7003	CROSS MOUNTAIN TRAIL	24" WATER TRANSMISSION MAIN	PROJECT	DETAIL SHEET				
DRAWING NO. WD1 19 OF 35								









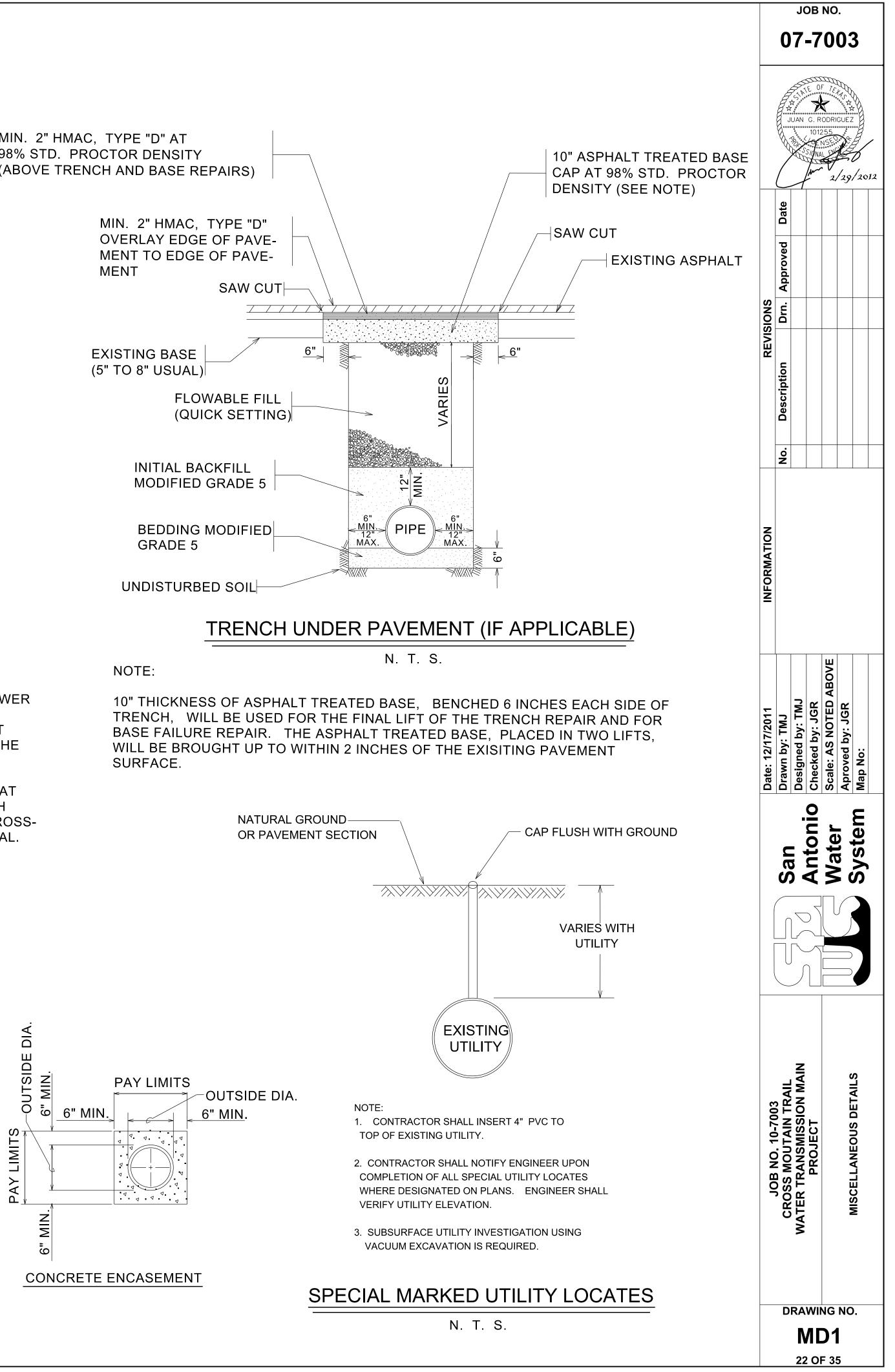


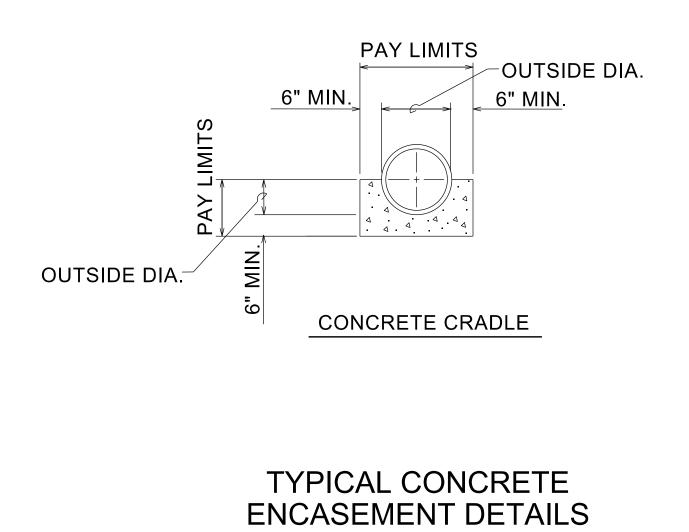
TYPICAL CONCRETE ENCASEMENT DETAIL (IF APPLICABLE)

N. T. S.

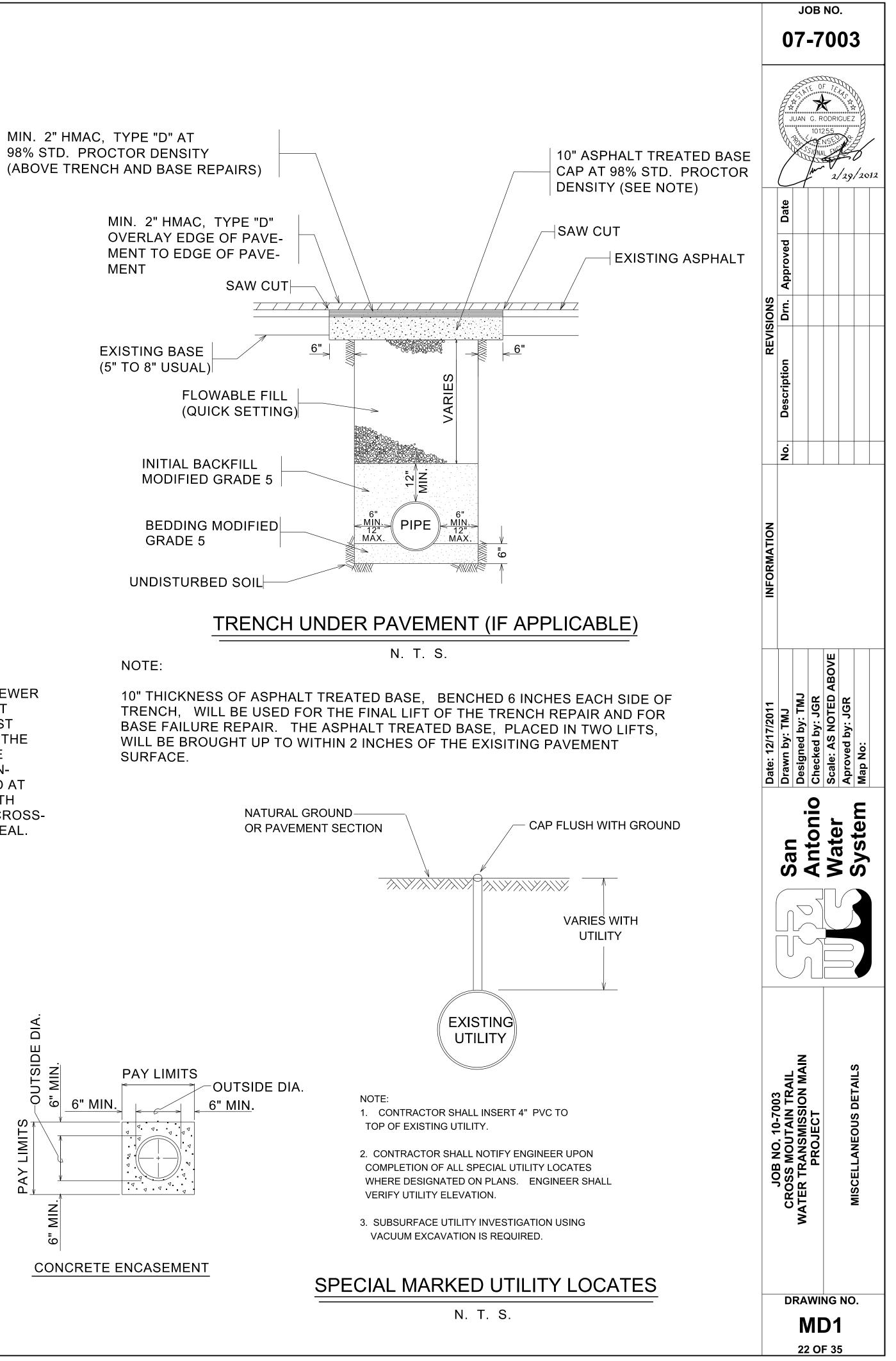
NO SEPARATE PAY ITEM

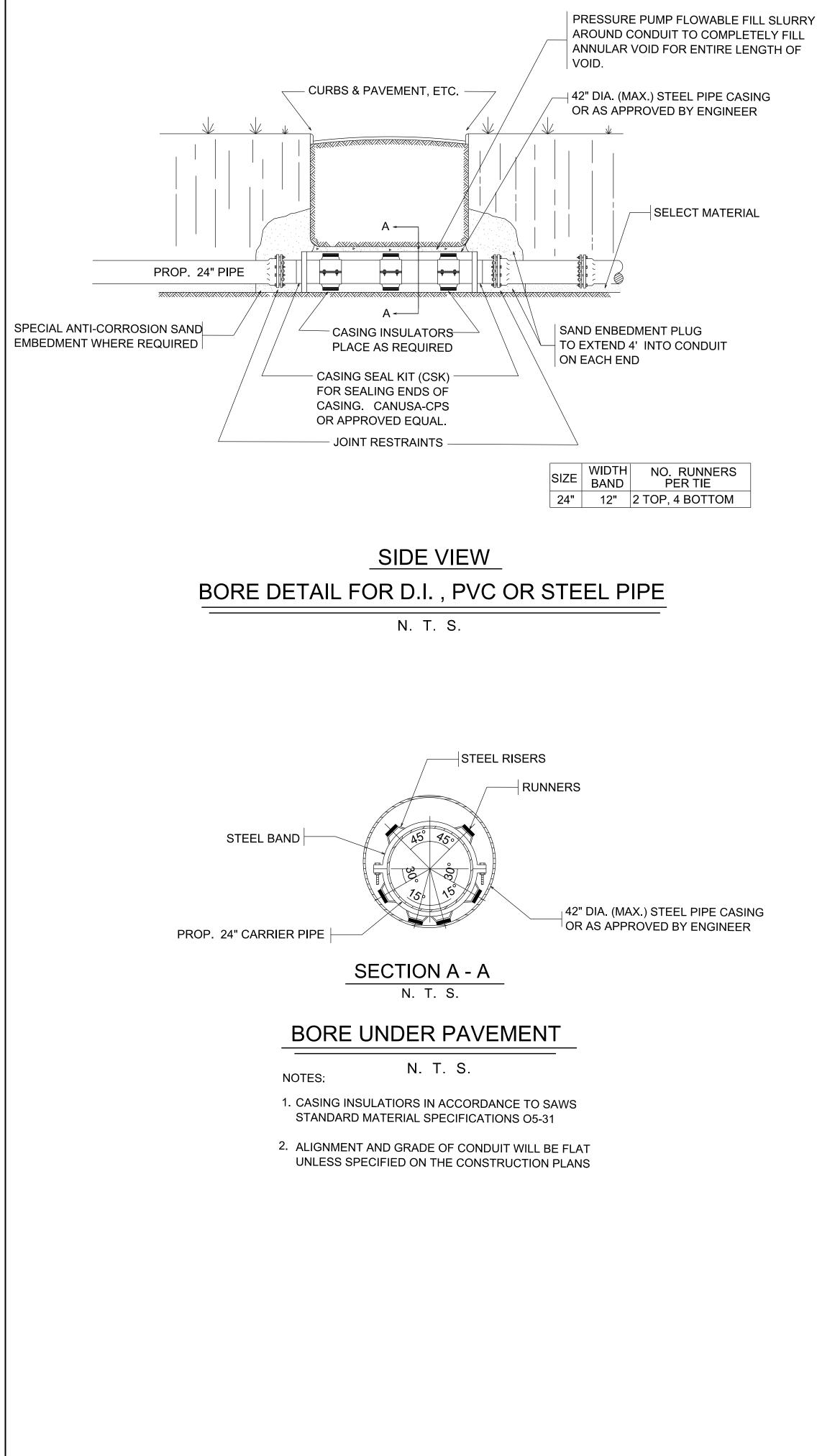
WHERE A SEWER CROSSES OVER A WATERLINE ALL PROTIONS OF THE SEWER WITHIN NINE FEET OF THE WATER LINE SHALL BE CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC PIPE WITH A PRESSURE RATING OF AT LEAST 150 P.S.I. USING APPROPRIATE ADAPTERS. IN LIEU OF THIS PROCEDURE THE NEW CONVEYANCE MAY BE ENCASED IN A JOINT OF 150 P.S.I. CLASS PIPE AT LEAST 18 FEET LONG AND TWO NOMINAL SIZES LARGER THE NEW CON-VEYANCE, THE SPACE AROUND THE CARRIER PIPE SHALL BE SUPPORTED AT 5 FOOT INTERVALS WITH SPACERS OR BE FILLED TO THE SPRINGLINE WITH WASHED SAND. THE ENCASEMENT PIPE SHOULD BE CENTERED ON THE CROSS-ING AND BOTH ENDS SEALD WITH CEMENT GROUT OR MANUFACTURED SEAL.



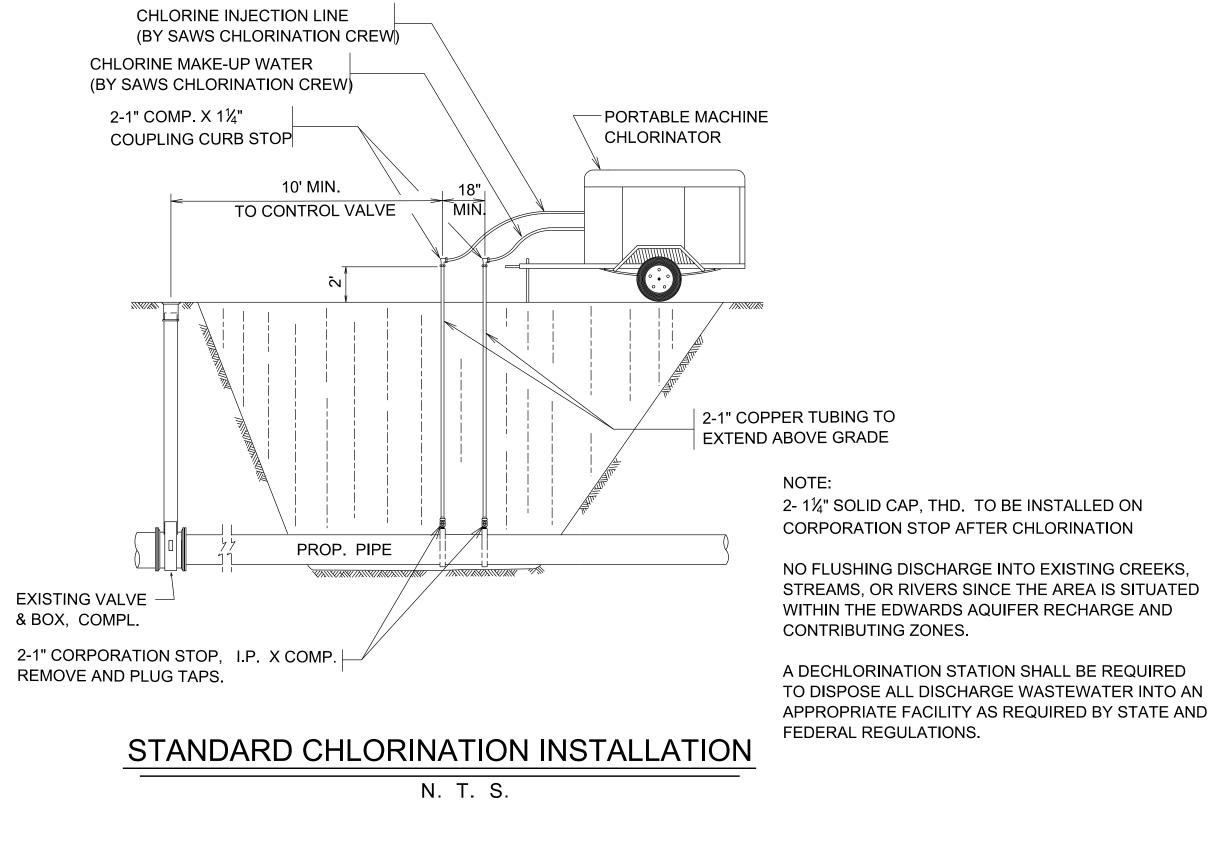


N. T. S.

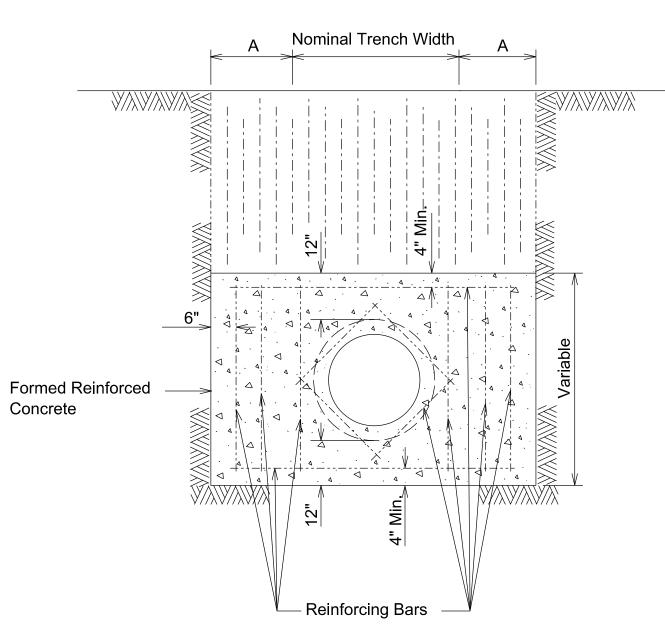




WATER MAINS IN CONDUIT							
WATER MAIN SIZES (INCHES)	NOM. DIA. RCP* OR STEEL (INCHES	STEEL PIPE THICKNESS (INCHES)					
16	30	0.375					
20	36	0.438					
24	42	0.438					
30	48	0.50					
36	54	0.50					

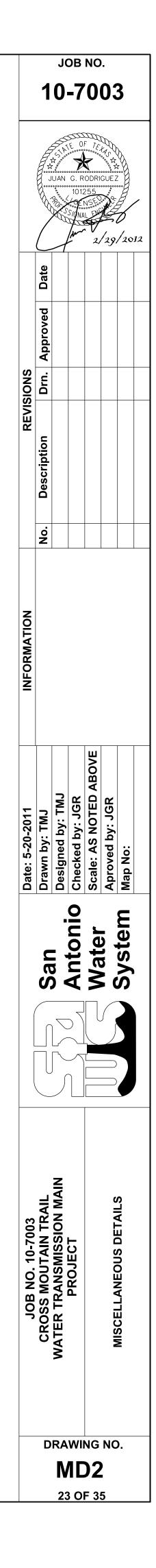


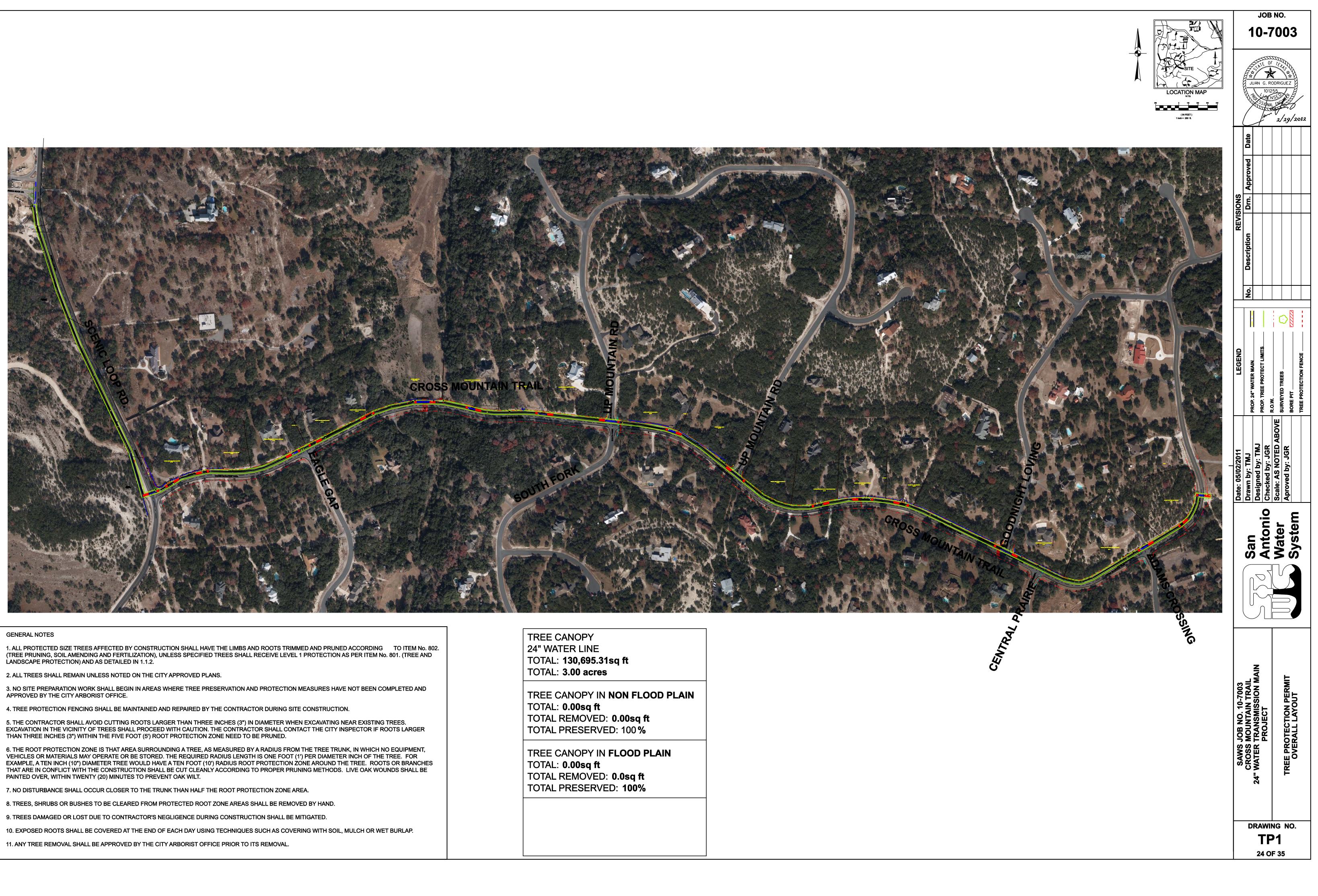
Concrete

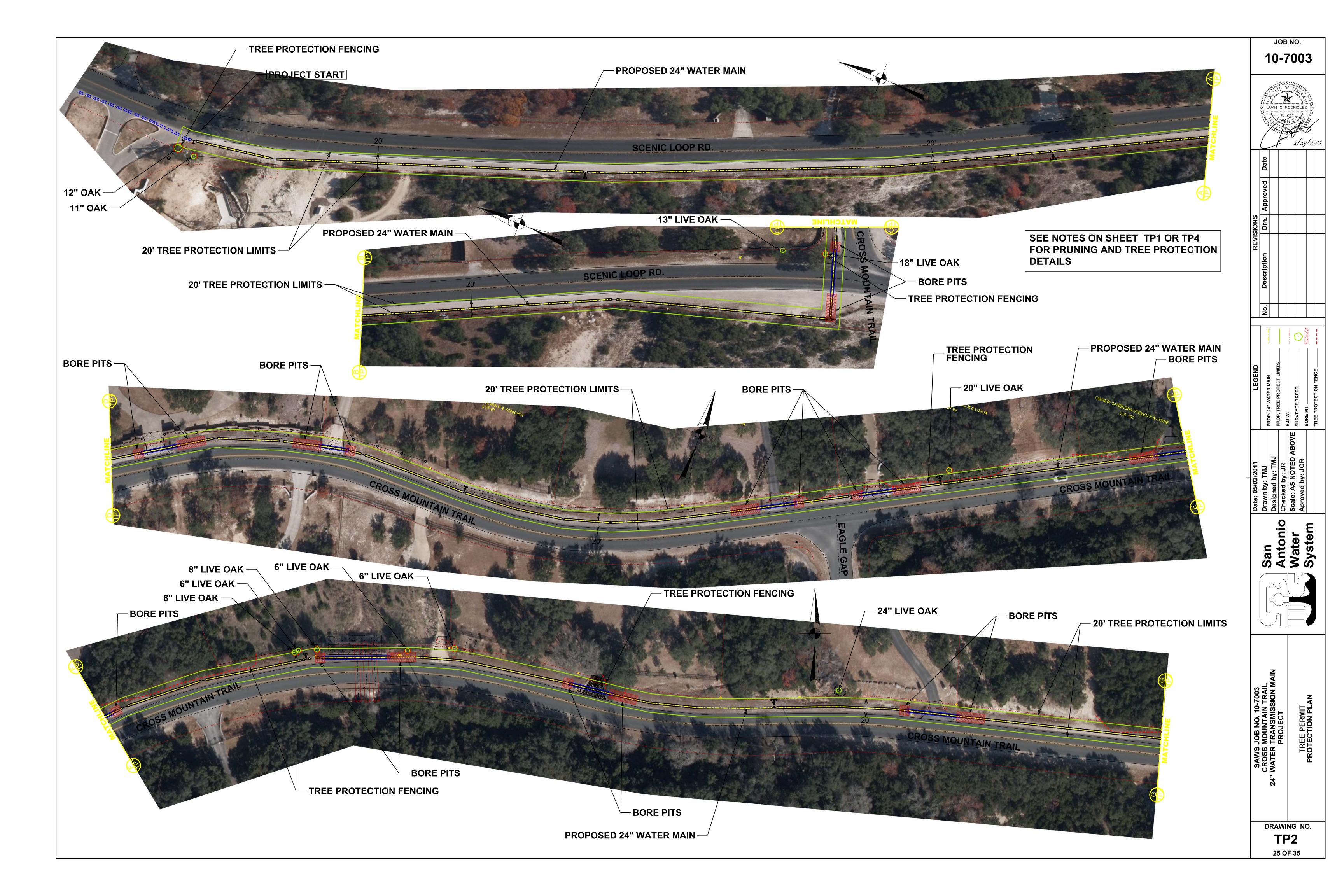


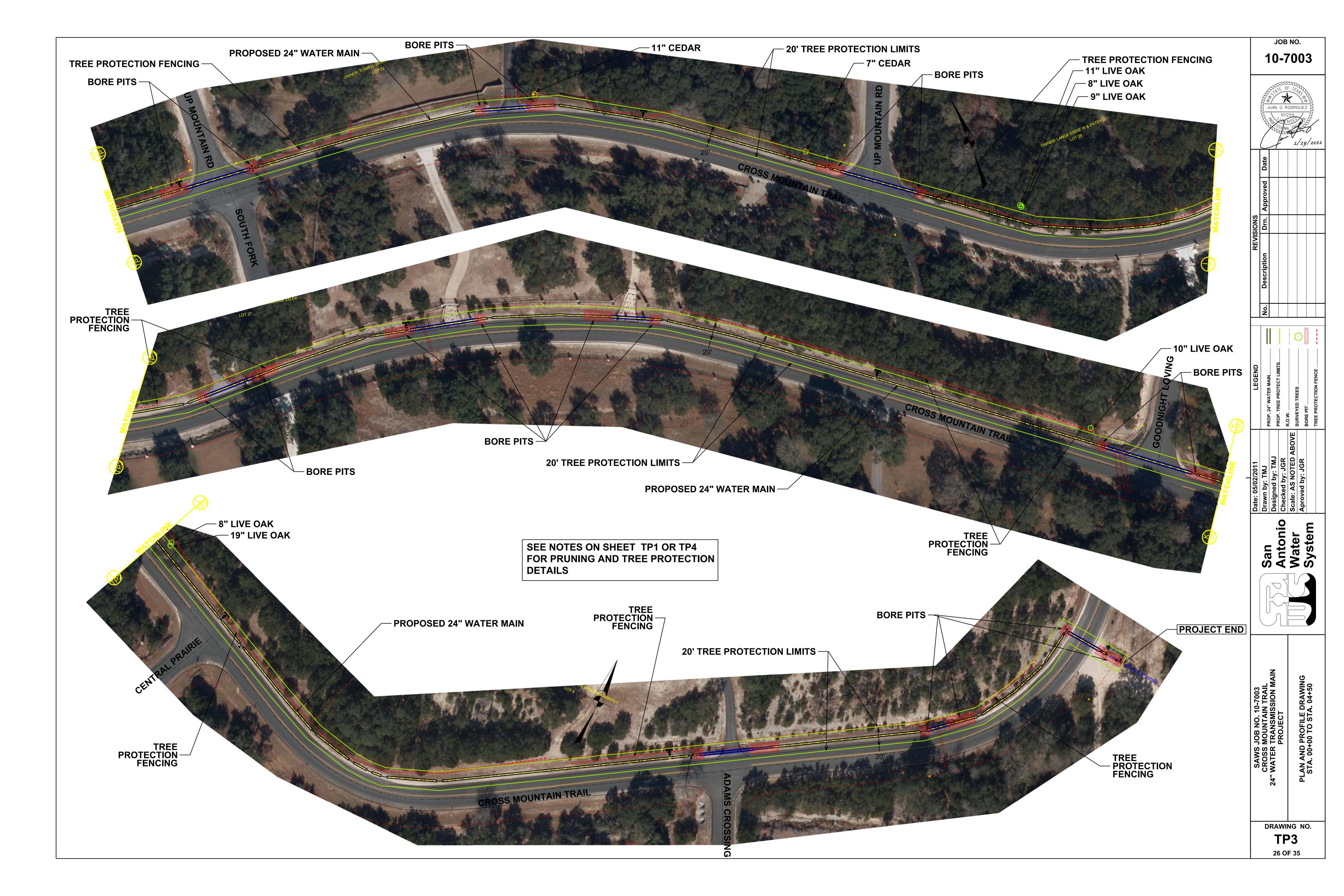
END VIEW OF REACTION BLOCK

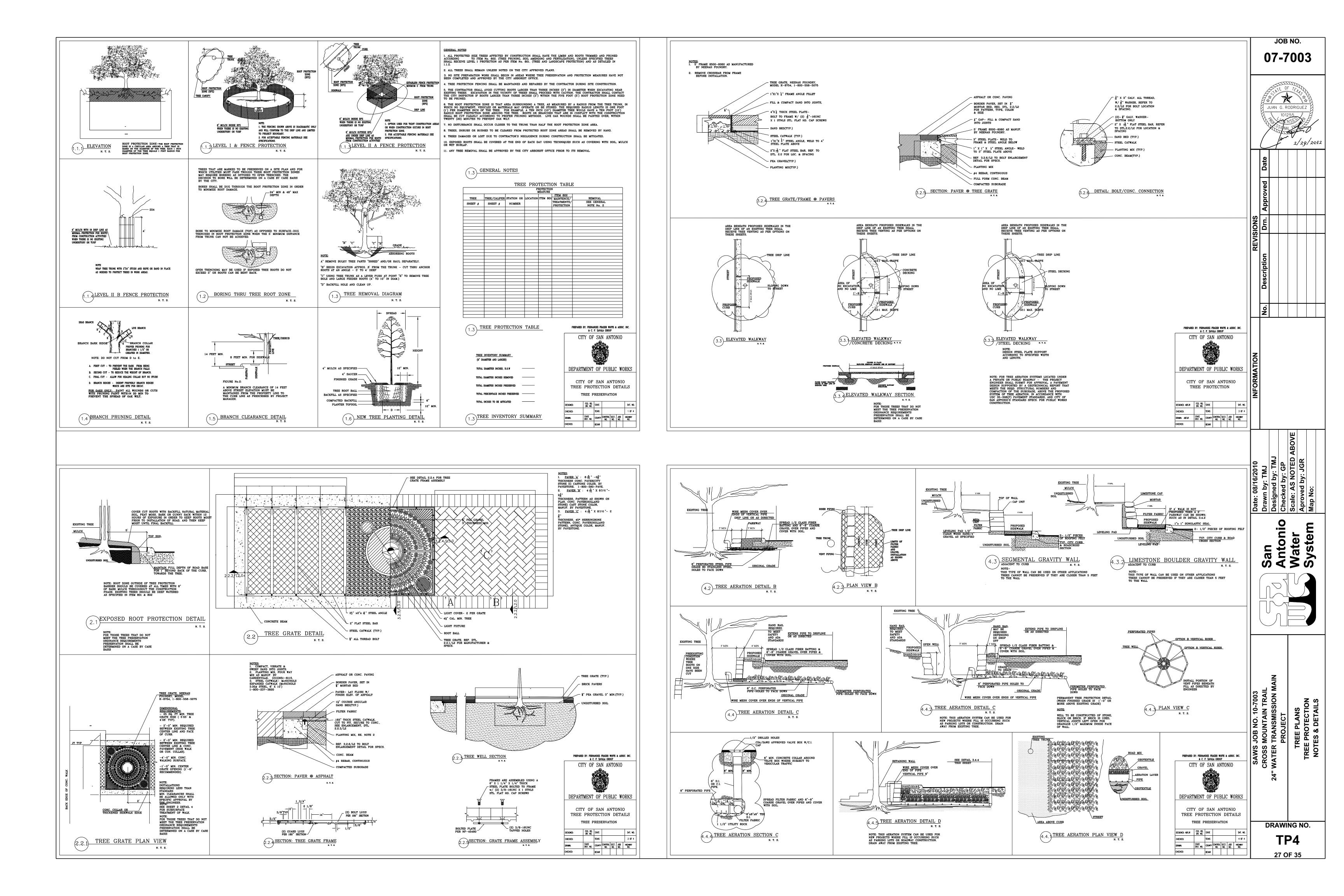
Main SizeA (Min.)Reinforcing Bar SizeBearing Surface Required (in Sq. Ft.)6"12"#438"12"#4512"18"#4512"18"#4816"18"#41220"28"#51624"28"#523
6" 12" #4 3 8" 12" #4 5 12" #4 5 12" 18" #4 8 16" 18" #4 12 20" 28" #5 16
8" 12" #4 5 12" 18" #4 8 16" 18" #4 12 20" 28" #5 16
12" 18" #4 8 16" 18" #4 12 20" 28" #5 16
16"18"#41220"28"#516
20" 28" #5 16
24" 28" #5 23
30" 36" #5 35
36" 36" #5 50
42" 36" #5 70











SITE DESCRIPTION

PROJECT NAME AND LOCATION: 24" WATER TRANSMISSION MAIN - CROSS MOUNTAIN TRAIL PROJECT (SAWS JOB NO. 10-7003) THE PROPOSED 24-INCH DIAMETER WATER MAIN INSTALLATION SHALL COMMENCE AT THE EXISTING 24-INCH WATER MAIN TIE-IN LOCATED AT THE SOUTHWEST CORNER OF THE SCENIC LOOP AND RISING MOON DR. INTERSECTION LOCATED IN NORTHWEST SAN ANTONIO, TEXAS.

THE 24-INCH WATER MAIN SHALL BE CONVEYED APPROXIMATELY 0.30 MILE (1,600 LF) SOUTHWARD ALONG SCENIC LOOP AND DIVERT EASTWARD AT THE SCENIC LOOP AND CROSS MOUNTAIN TRAIL, AND SHALL CONTINUE EASTWARD ALONG CROSSS MOUNTAIN TRAIL APPROXIMATELY 1.14 MILE (6040 LF) TO A TIE-IN 24-INCH WATER MAIN LOCATED APPROXIMATELY 500 FEET NORTHEAST FROM THE CROSS MOUNTAIN TRAIL AND ADAM'S CROSSING INTERSECTION.

CONTACT AND PHONE NO .: (CONTRACTOR)

PROJECT DESCRIPTION: THE PROJECT CONSISTS OF INSTALLING APPROXIMATELY 7,650 LINEAR FEET OF 24" Ø WATER MAIN WHICH INCLUDES BUT NOT LIMITED TO PIPELINE INSTALLATION, FITTINGS, VALVES, HYDRANTS, BORES, TREE PRESERVATION, TRAFFIC CONTROL AND EROSION CONTROL MEASURES.

MAJOR SOIL DISTURBING ACTIVITIES: _____ SOIL DISTURBANCE ACTIVITIES WILL INCLUDE PREPARING EXISTING PUBLIC RIGHT-OF-WAYS, CLEARING AND GRUBBING, TRENCHING, BORING PIT AREAS, EROSION AND SEDIMENT CONTROLS, AND TOPSOIL WORK FOR FINAL SEEDING.

TOTAL PROJECT AREA (ACRES): APPROX. 3.16 ACRE

TOTAL AREA TO BE DISTURBED: APPROX. 3.0 ACRE

WEIGHTED RUNOFF COEFFICIENT: C_{WEIGHTED}= 0.57 (POST-CONSTRUCTION) (AFTER CONSTRUCTION)

C_{PERVIOUS} = 0.55 (POST-CONSTRUCTION), PERVIOUS AREA = 2.99 ACRE

C_{IMPERVIOUS} = 0.90 (POST-CONSTRUCTION), IMPERVIOUS AREA = 0.17 ACRE

EXISTING CONDITION OF SOIL, VEGETATIVE COVER AND % OF VEGETATIVE COVER: (CONTRACTOR TO PROVIDE)

DESCRIPTION OF WATER DISCHARGED NOT ASSOCIATED WITH CONSTRUCTION: (CONTRACTOR TO PROVIDE)

NAME OF RECEIVING WATERS: THE DISTURBED AREAS WILL ULTIMATELY DISCHARGE INTO AN EXISTING UNNAMED TRIBUTARY CREEK WHICH IS PART OF THE LEON CREEK SYSTEM.

IDENTIFY STORMWATER DISCHARGE POINTS: (CONTRACTOR TO PROVIDE)

A DESCRIPTION AND TIME FRAME FOR INSTALLATION OF STABILIZATION PRACTICES IN CONJUNCTION WITH CONSTRUCTION: APPROXIMATELY 12 MONTH CONSTRUCTION TIME FRAME

	EROSION	AND	SEDIMENTATION	CONTROLS
SOIL STABILIZATION PRACTICES:			OTHER EROSION	AND SEDIMENTATION CONTROLS
			MAINTENANCE:	
TEMPORARY SEEDING			ALL EROSION AND SEDIME	NT CONTROLS WILL BE MAINTAINED IN GOOD W (, IT WILL BE DONE AT THE EARLIEST DATE POSS
PERMANENT PLANTING, SODDING OR SEEDING			SUFFICIENTLY TO PREVENT	DAYS AFTER THE SURROUNDING EXPOSED GRO FURTHER DAMAGE FROM HEAVY EQUIPMENT. TH D DRAINAGEWAYS SHALL HAVE PRIORITY, FOLLOW RM SEWER INLETS.
MULCHING				
SOIL RETENTION BLANKET			INSPECTION:	ERFORMED BY THE CONTRACTOR EVERY 14 DAYS
BUFFER ZONES			OF RAIN (RECORDED ON / MAINTENANCE REPORT WIL	A NON-FREEZING RAIN GAUGE TO BE LOCATED L BE MADE PER INSPECTION. BASED ON THE IN HE NEXT SCHEDULED INSPECTION.
PRESERVATION OF NATURAL RESOURSES				
OTHER:			WASTE MATERIALS:	
DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASE OR PERMANENTLY, SHALL BE STABILIZED WITHIN 14 DAYS UNLESS A SCHEDULED TO RESUME AND DONE WITHIN 21 DAYS.			THE DUMPSTER WILL MEET ALL TRASH AND CONSTRUC THE DUMPSTER WILL BE E	L BE COLLECTED AND STORED IN A SECURELY ALL STATE AND LOCAL CITY SOLID WASTE MAN CTION DEBRIS FROM THE SITE WILL BE DEPOSIT MPTIED AS NECESSARY OR AS REQUIRED BY LO O A LOCAL DUMP. NO CONSTRUCTION MATERIAI
STRUCTURAL PRACTICES:				
X SILT FENCES HAY BALES GRAVEL FILTRATION BAGS X GRAVEL FILTRATION BAGS MODERSION, INTERCEPTOR OR PERIMETER DIKES DIVERSION, INTERCEPTOR OR PERIMETER SWALES DIVERSION, INTERCEPTOR OR PERIMETER SWALES DIVERSION, DIKE AND SWALE COMBINATIONS PAVED FLUMES X ROCK BEDDING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE) TIMBER MATTING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE) CHANNEL LINERS SEDIMENT TRAPS SEDIMENT BASINS STORM INLET SEDIMENT TRAP STONE OUTLET SEDIMENT STRUCTURES CURBS AND GUTTERS STORM SEWERS VELOCITY CONTROL STRUCTURES GEOTEXTILES			ACIDS FOR CLEANING MAS CHEMICAL ADDITIVES FOR EVENT OF A SPILL WHICH CENTER SHOULD BE CONT EVENT OF A LIFE THREATE AS THE APPROPRIATE CITY SANITARY WASTE	CTS IN THE FOLLOWING CATEGORIES ARE CONS SONRY SURFACES, GASOLINE, MOTOR OIL, CLEANIN SOIL STABILIZATION OR CONCRETE CURING COM MAY BE HAZARDOUS AND MEETS REPORTING RE ACTED AT 800–424–8802, AND ANY REQUIRED CH NING SPILL THE SAN ANTONIO FIRE DEPARTMEN INSPECTORS.
OTHER:				
			OFFSITE VEHICLE TRACKING	(NOT APPLICABLE)

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORMWATER MANAGEMENT) ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS: INSTALL SEDIMENT CONTROL FENCES, ROCK BERMS, FILTRATION BAGS AND CONSTRUCTION EXITS. REMOVE / INSTALL / ADJUST TEMPORARY EROSION, SEDIMENT, AND STORM WATER POLLUTION

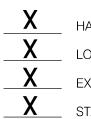
CONTROL MEASURES. SITE CLEANUP AND REVEGETATION OF DISTURBED AREAS. REMOVAL OF TEMPORARY CONTROL DEVICES.

A DESCRIPTION OF MAINTENANCE

PROCEDURES FOR CONTROL MEASURES USED: DISTURBED AREAS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF POLLUTANTS ENTERING THE CREEK SYSTEMS. LOCATIONS WHERE VEHICLE AND EQUIPMENT ENTER, EXIT OR TRAVEL THROUGH THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. CONTRACTOR SHALL PROVIDE CONTROL MEASURES TO REPAIR / REPLACE APPURTENANCES AS NEEDED.

STORMWATER MANAGEMENT: CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO EXISTING STORM WATER SYSTEMS. STORM WATER DISCHARGE SHALL BE CONVEYED THROUGH EXISTING STORM DRAIN SYSTEMS, CULVERTS, CHANNELS, NATURAL STREAMS, DITCHES, ETC. ALL DISTURBED AREAS SHALL BE RESTORED TO BETTER CONDITIONS.

A DESCRIPTION OF PERMANENT STORM WATER MANAGEMENT CONTROLS: (NOT APPLICABLE)



HAUL ROADS DAMPENED FOR DUS
LOADED HAUL TRUCKS TO BE COV
EXCESS DIRT ON ROAD TO BE REI
STABILIZED CONSTRUCTION ENTRAN

OTHER:

CERTIFICATION THAT SITE DISTURBANCE AND / OR DISCHARGES WILL NOT EFFECT LISTED ENDANGERED SPECIES AND THEIR HABITAT. WHAT METHOD IS USED TO SATISFY THE ENDANGERED SPECIES REQUIREMENTS?

REMARKS:

DISPOSAL AREAS, STOCKPILES AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT ENTERS RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, BODY OF WATER, STREAM BED OR FLOODPLAIN CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS POSSIBLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSE WORK, PILING DEBRIS OR OTHER OBSTRUCTION PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.

GOOD WORKING ORDER. ATE POSSIBLE, BUT NO SED GROUND HAS DRIED PMENT. THE AREAS Y, FOLLOWED BY

RY 14 DAYS AS WELL AS AFTER EVERY 1/2" OR MORE LOCATED AT THE PROJECT SITE). AN INSPECTION AND IN THE INSPECTION RESULTS, THE CONTROLS SHALL

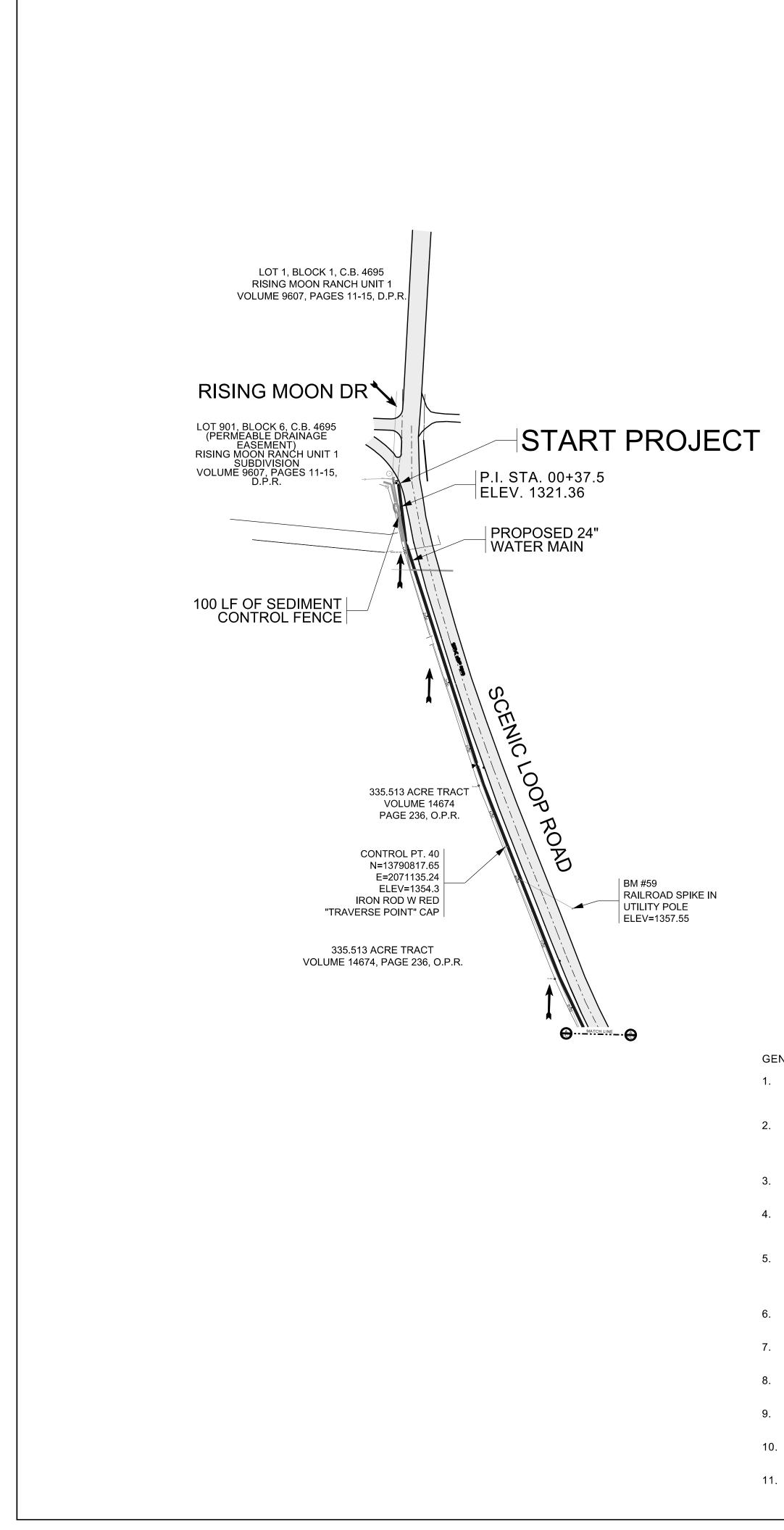
SECURELY LIDDED METAL DUMPSTER. ASTE MANAGEMENT REGULATIONS. DEPOSITED IN THE DUMPSTER. ED BY LOCAL REGULATION AND THE MATERIALS WILL BE BURIED ON SITE.

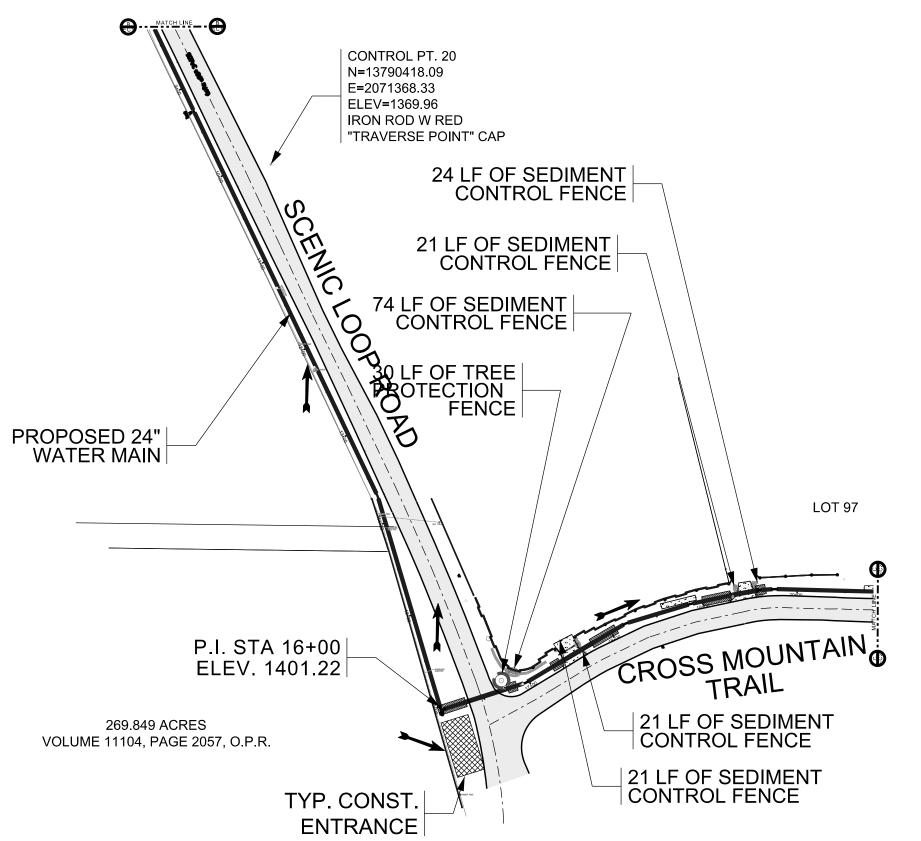
ARE CONSIDERED TO BE HAZARDOUS: PAINTS, , CLEANING SOLVENTS, ASPHALT PRODUCTS, RING COMPOUNDS AND ADDITIVES. IN THE ORTING REQUIREMENTS, THE NATIONAL RESPONSE UIRED CHANGES MADE TO THE SWPPP. IN THE EPARTMENT SHOULD BE NOTIFIED AS WELL

IATERIAL SHALL BE DETERMINED BY THE CONTRACTOR.

ST CONTROL. VERED WITH TARPAULIN EMOVED DAILY NCE.

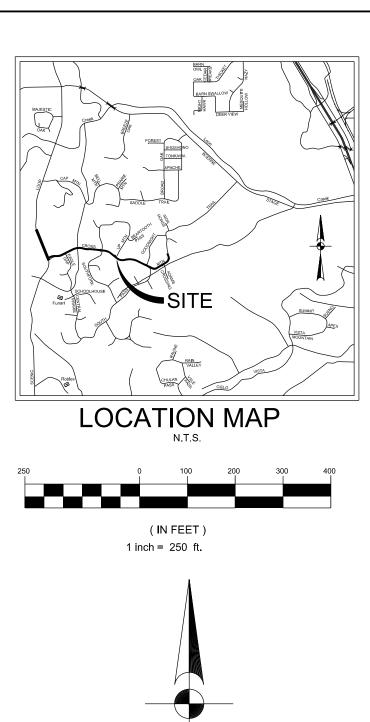
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	Date						
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VISIONS	Drn.						
REV	Description						
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INFORMATION							
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			Antonio	Mater		System	
IOB NO 10-7003	CROSS MOUNTAIN TRAIL		PROJECT		EKUSION CONTROL & SEDIMENTATION PLAN	SW3P NARRATIVE	
	[EC		I	0.	

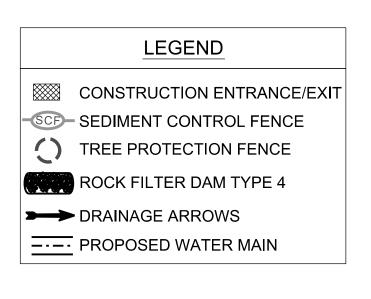


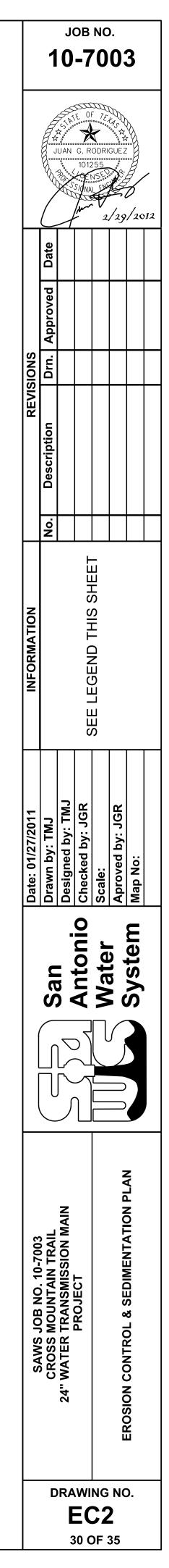


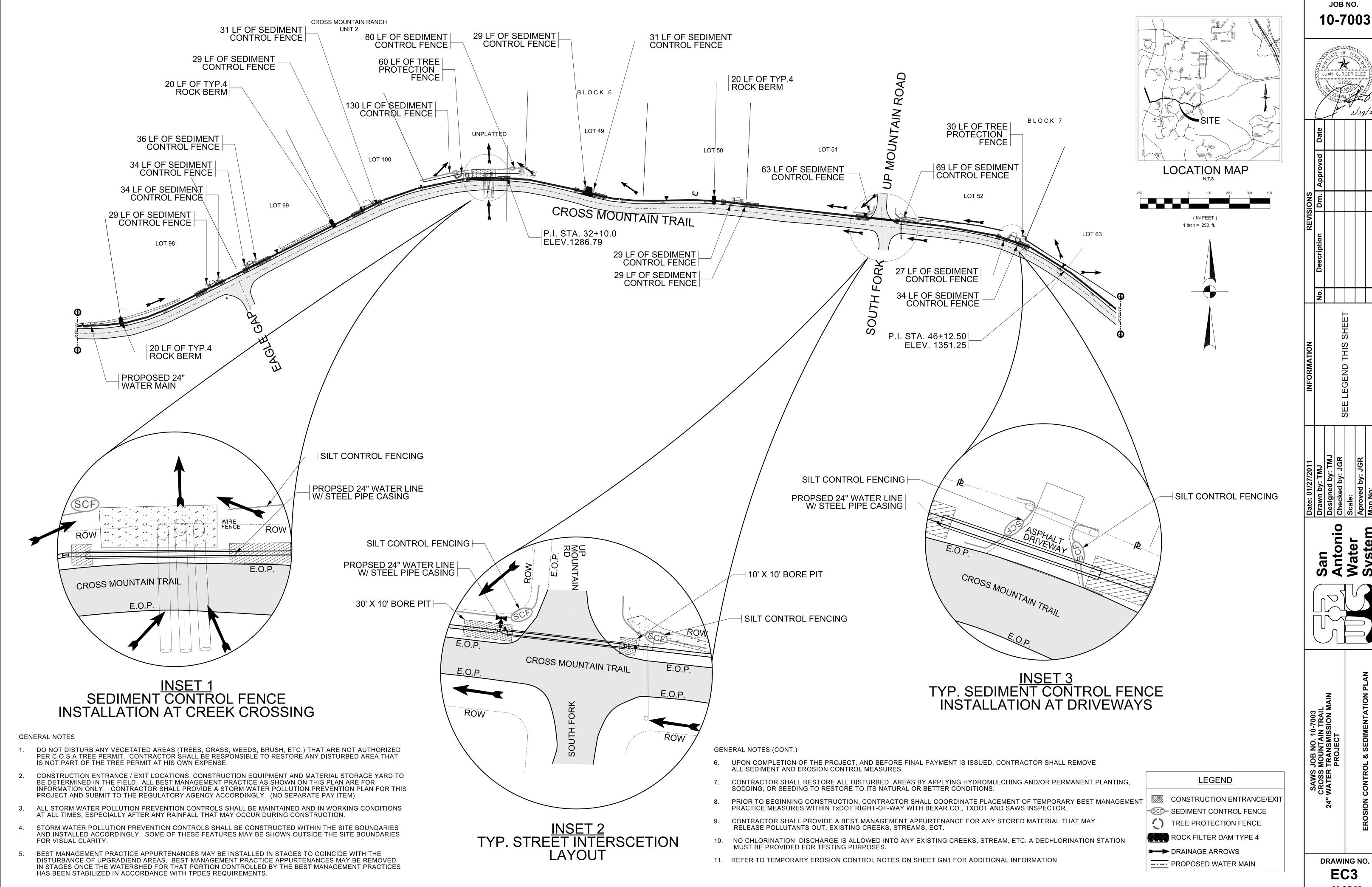
GENERAL NOTES

- DO NOT DISTURB ANY VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) THAT ARE NOT AUTHORIZED PER C.O.S.A TREE PERMIT. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ANY DISTURBED AREA THAT IS NOT PART OF THE TREE PERMIT AT HIS OWN EXPENSE.
- CONSTRUCTION ENTRANCE / EXIT LOCATIONS, CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD. ALL BEST MANAGEMENT PRACTICE AS SHOWN ON THIS PLAN ARE FOR INFORMATION ONLY. CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT AND SUBMIT TO THE REGULATORY AGENCY ACCORDINGLY. (NO SEPARATE PAY ITEM)
- 3. ALL STORM WATER POLLUTION PREVENTION CONTROLS SHALL BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES, ESPECIALLY AFTER ANY RAINFALL THAT MAY OCCUR DURING CONSTRUCTION.
- 4. STORM WATER POLLUTION PREVENTION CONTROLS SHALL BE CONSTRUCTED WITHIN THE SITE BOUNDARIES AND INSTALLED ACCORDINGLY. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES FOR VISUAL CLARITY.
- BEST MANAGEMENT PRACTICE APPURTENANCES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADIEND AREAS. BEST MANAGEMENT PRACTICE APPURTENANCES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
- UPON COMPLETION OF THE PROJECT, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS BY APPLYING HYDROMULCHING AND/OR PERMANENT PLANTING, SODDING, OR SEEDING TO RESTORE TO ITS NATURAL OR BETTER CONDITIONS.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE PLACEMENT OF TEMPORARY BEST MANAGEMENT PRACTICE MEASURES WITHIN TXDOT RIGHT-OF-WAY WITH BEXAR CO, TXDOT AND SAWS INSPECTOR. CONTRACTOR SHALL PROVIDE A BEST MANAGEMENT APPURTENANCE FOR ANY STORED MATERIAL THAT MAY
- RELEASE POLLUTANTS OUT, EXISTING CREEKS, STREAMS, ECT. 10. NO CHLORINATION DISCHARGE IS ALLOWED INTO ANY EXISTING CREEKS, STREAM, ETC. A DECHLORINATION STATION
 - MUST BE PROVIDED FOR TESTING PURPOSES.
- 11. REFER TO TEMPORARY EROSION CONTROL NOTES ON SHEET GN1 FOR ADDITIONAL INFORMATION.



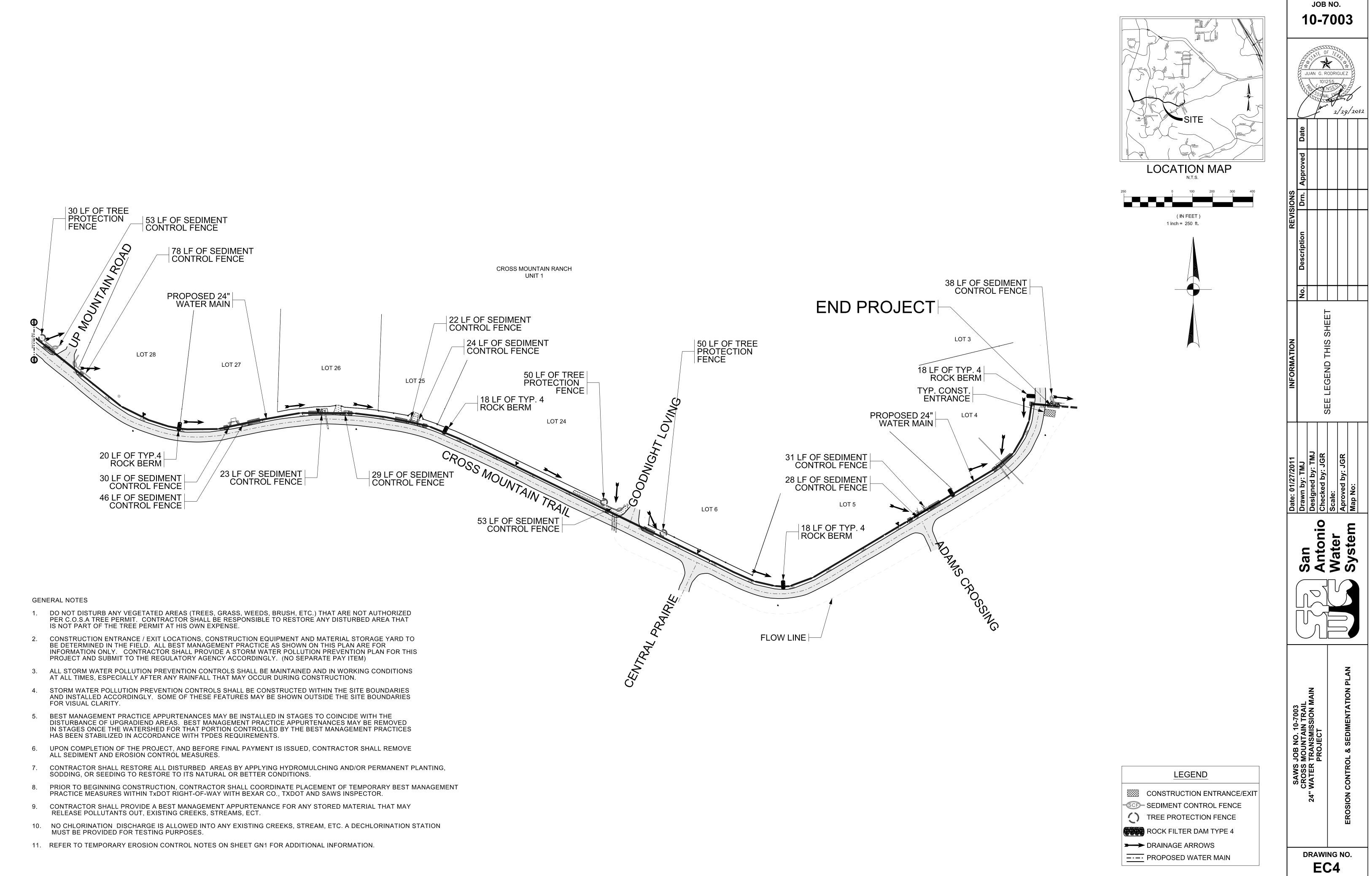




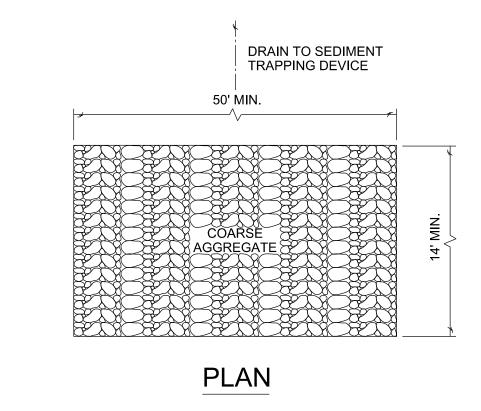


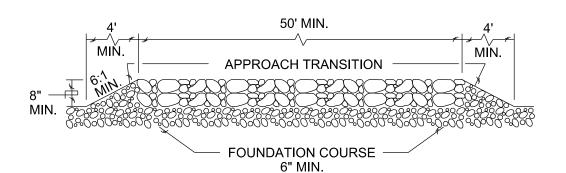
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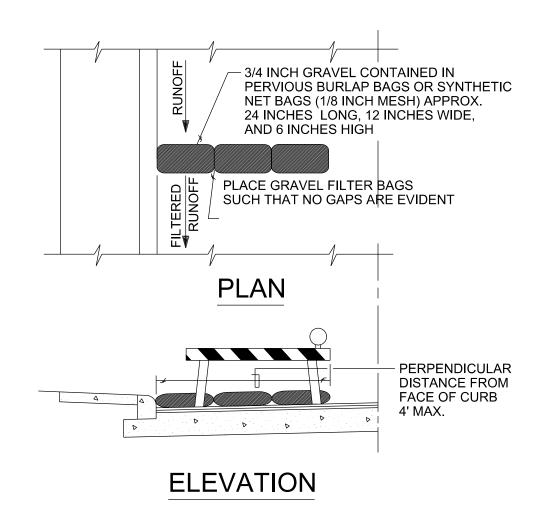


PROFILE

CONSTRUCTION EXIT (TYPE 1)

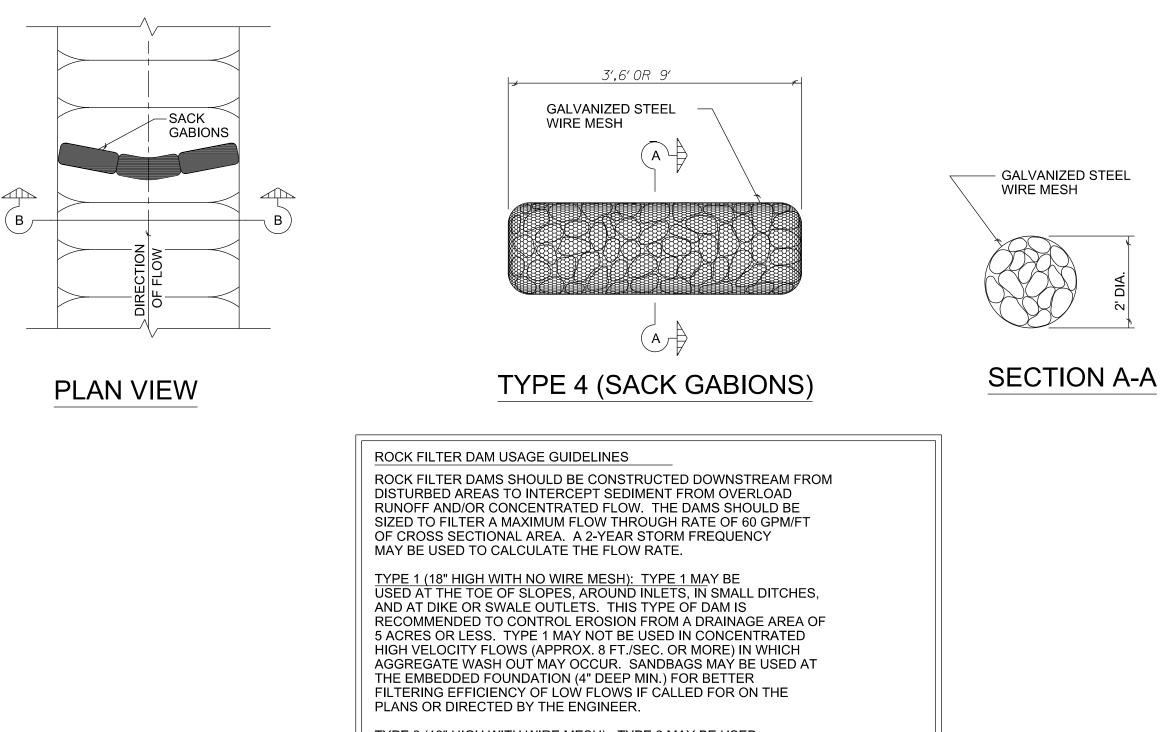
GENERAL NOTES

- 1. THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
- 2. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".
- 3. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
- 4. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
- 5. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
- 6. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.



NOTE: STRADDLE GRAVEL FILTER BAGS WITH TYPE 1 BARRICADES MOUNTED WITH TYPE "A" FLASHING WARNING LIGHT. SEE BARRICADE CONSTRUCTION SIGN DETAILS. PLACE FLASHING LIGHTS AWAY FROM GUTTER, FLUSH WITH OUTSIDE EDGE OF BAG CONFIGURATION.

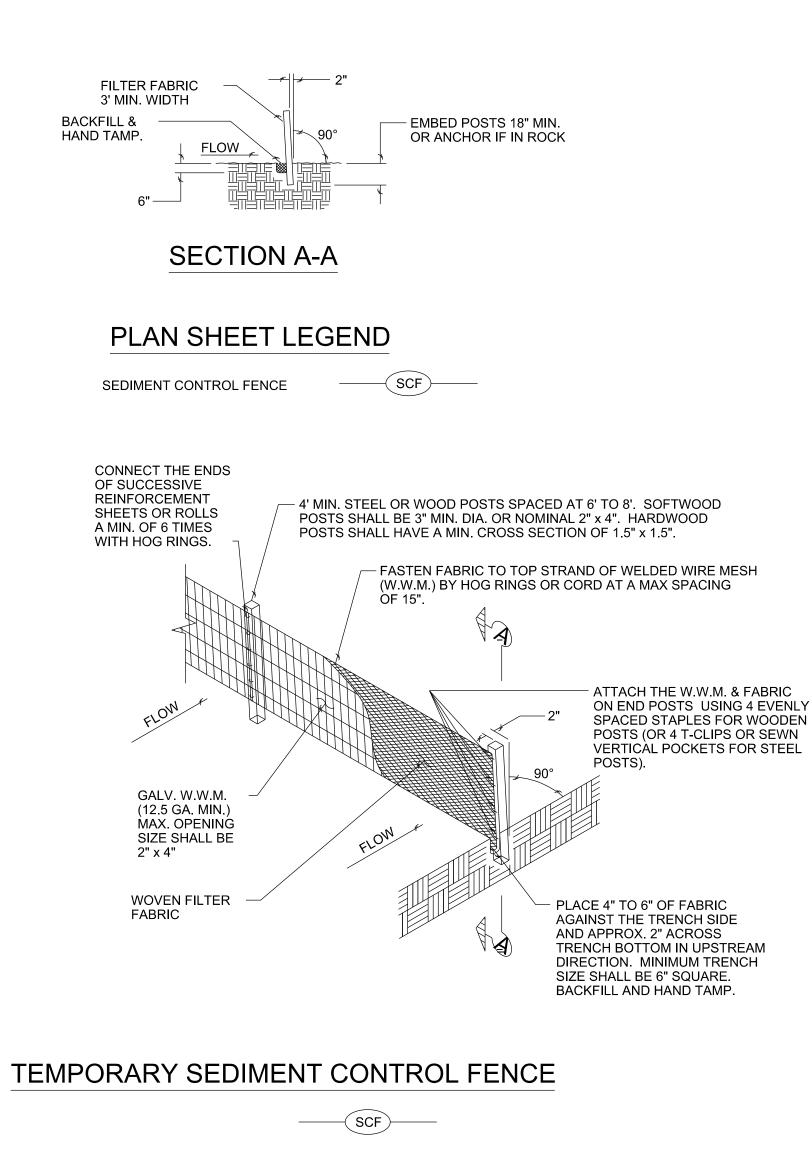
GRAVEL FILTER BAGS



TYPE 2 (18" HIGH WITH WIRE MESH): TYPE 2 MAY BE USED IN DITCHES AND AT DIKE OR SWALE OUTLETS.

TYPE 3 (36" HIGH WITH WIRE MESH): TYPE 3 MAY BE USED IN STREAM FLOW AND SHOULD BE SECURED TO THE STREAM BED.

TYPE 4 (SACK GABIONS): TYPE 4 MAY BE USED IN DITCHES AND SMALLER CHANNELS TO FORM AN EROSION CONTROL DAM.



G	SENERAL NOTES
1.	IF SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, FILTER DAMS SHOULD BE PLACED NEAR THE TOE OF SLOPE

- FILTER DAMS SHOULD BE PLACED NEAR THE TOE OF SLOPES WHERE EROSION IS ANTICIPATED, UPSTREAM AND/OR DOWNSTREAM AT DRAINAGE STRUCTURES, AND IN ROADWAY DITCHES AND CHANNELS TO COLLECT SEDIMENT.
- 2. MATERIALS (AGGREGATE, WIRE MESH, SANDBAGS, ETC.) SHALL BE AS INDICATED BY THE SPECIFICATION FOR ROCK FILTER DAMS FOR EROSION AND SEDIMENTATION CONTROL.
- 3. THE ROCK FILTER DAM DIMENSIONS SHALL BE AS INDICATED ON THE SW3P PLANS.
- 4. SIDE SLOPES SHOULD BE 2:1 OR FLATTER. DAMS WITHIN THE SAFETY ZONE SHALL HAVE SIDESLOPES OF 6:1 OR FLATTER.
- 5. MAINTAIN A MINIMUM OF 1' BETWEEN TOP OF ROCK FILTER DAM WEIR AND TOP OF EMBANKMENT FOR FILTER DAMS AT SEDIMENT TRAPS.
- 6. FILTER DAMS SHOULD BE EMBEDDED A MINIMUM OF 4' INTO EXISTING GROUND.
- 7. THE SEDIMENT TRAP FOR PONDING OF SEDIMENT LADEN RUNOFF SHALL BE OF THE DIMENSIONS SHOWN ON THE PLANS.
- 8. ROCK FILTER DAM TYPES 2 & 3 SHALL BE SECURED WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1" DIAMETER HEXAGONAL OPENINGS. THE AGGREGATE SHALL BE PLACED ON THE MESH TO THE HEIGHT AND SLOPES SPECIFIED. THE MESH SHALL BE FOLDED AT THE UPSTREAM SIDE OVER THE AGGREGATE AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOG RINGS. IN STREAM USE, THE MESH SHOULD BE SECURED OR STAKED TO THE STREAM BED PRIOR TO AGGREGATE PLACEMENT.
- 9. SACK GABIONS SHOULD BE STAKED DOWN WITH 3/4" DIA. REBAR STAKES.
- 10. FLOW OUTLET SHOULD BE ONTO A STABILIZED AREA (VEGETATION, ROCK, ETC.).
- 11. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

SEDIMENT CONTROL FENCE USAGE GUIDELINES

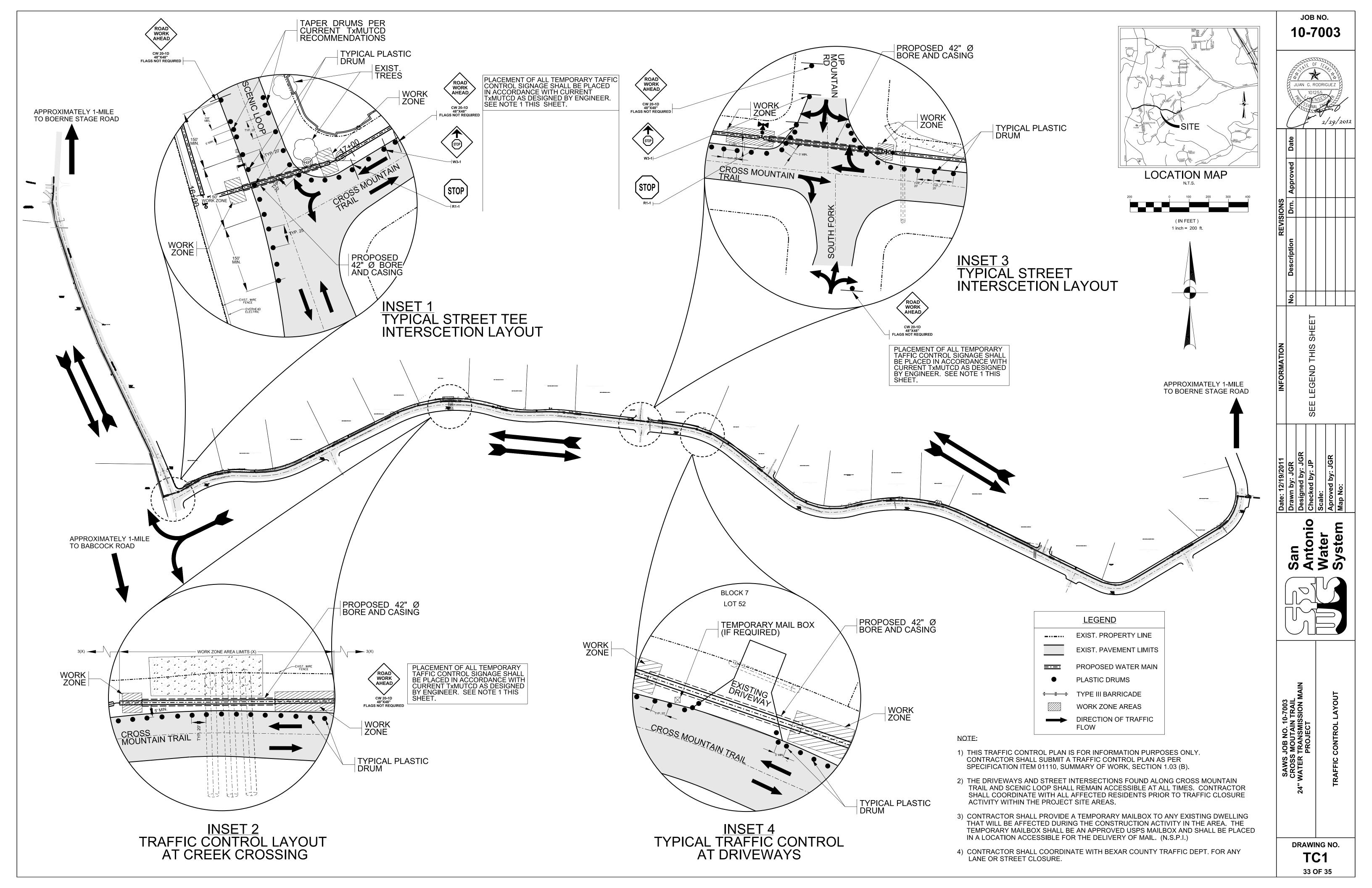
A SEDIMENT CONTROL FENCE MAY BE CONSTRUCTED NEAR THE DOWNSTREAM PERIMETER OF A DISTURBED AREA ALONG A CONTOUR TO INTERCEPT SEDIMENT FROM OVERLAND RUNOFF. A 2-YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE TO BE FILTERED.

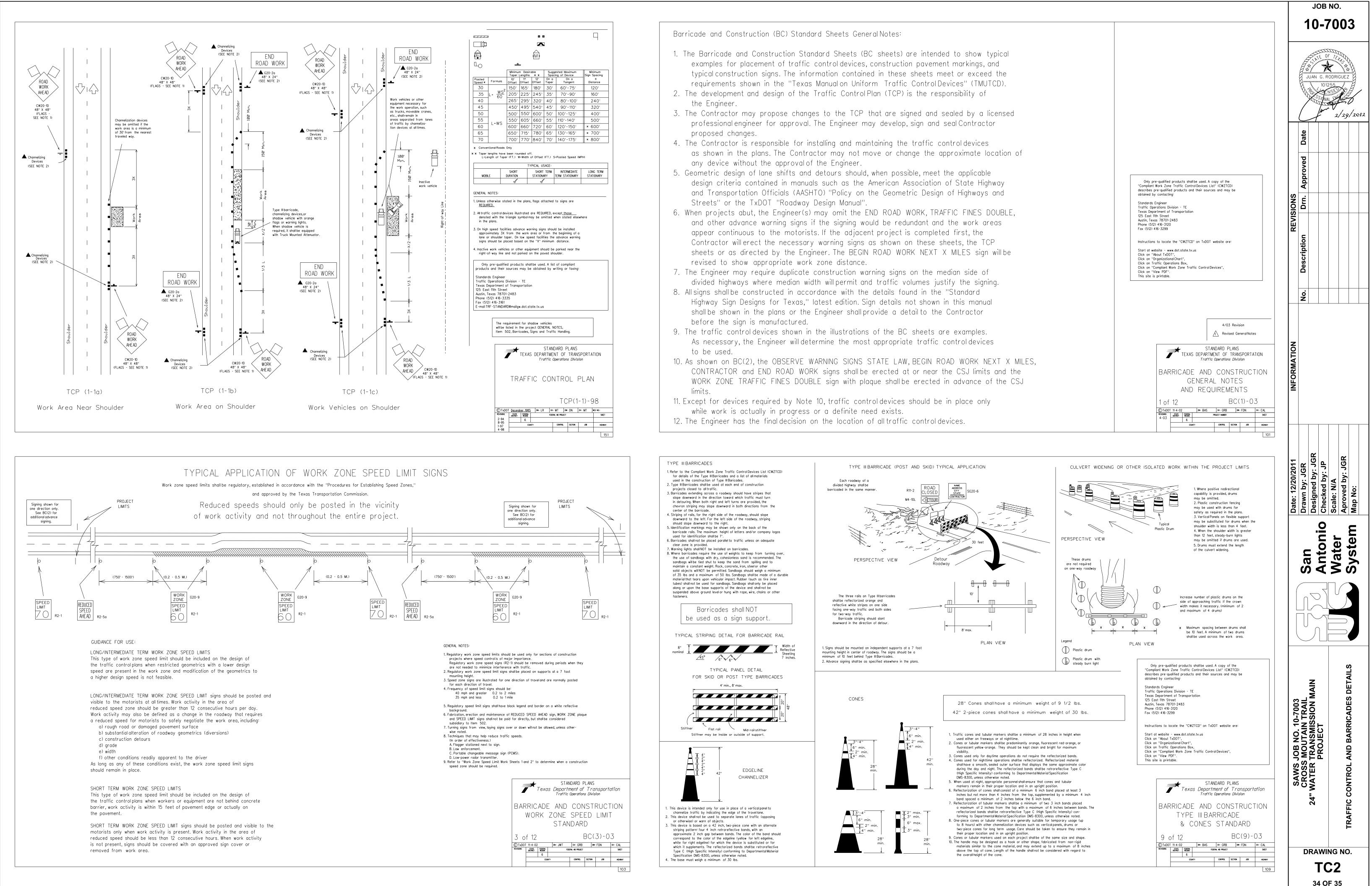
SEDIMENT CONTROL FENCE SHOULD BE SIZED TO FILTER A MAX. FLOW THROUGH RATE OF 100 GPM/FT . SEDIMENT CONTROL FENCE IS NOT RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA LARGER THAN 2 ACRES.

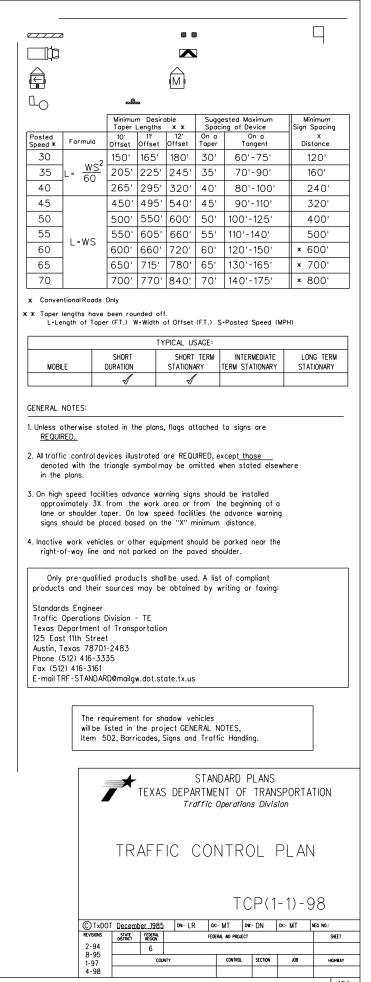
GENERAL NOTES

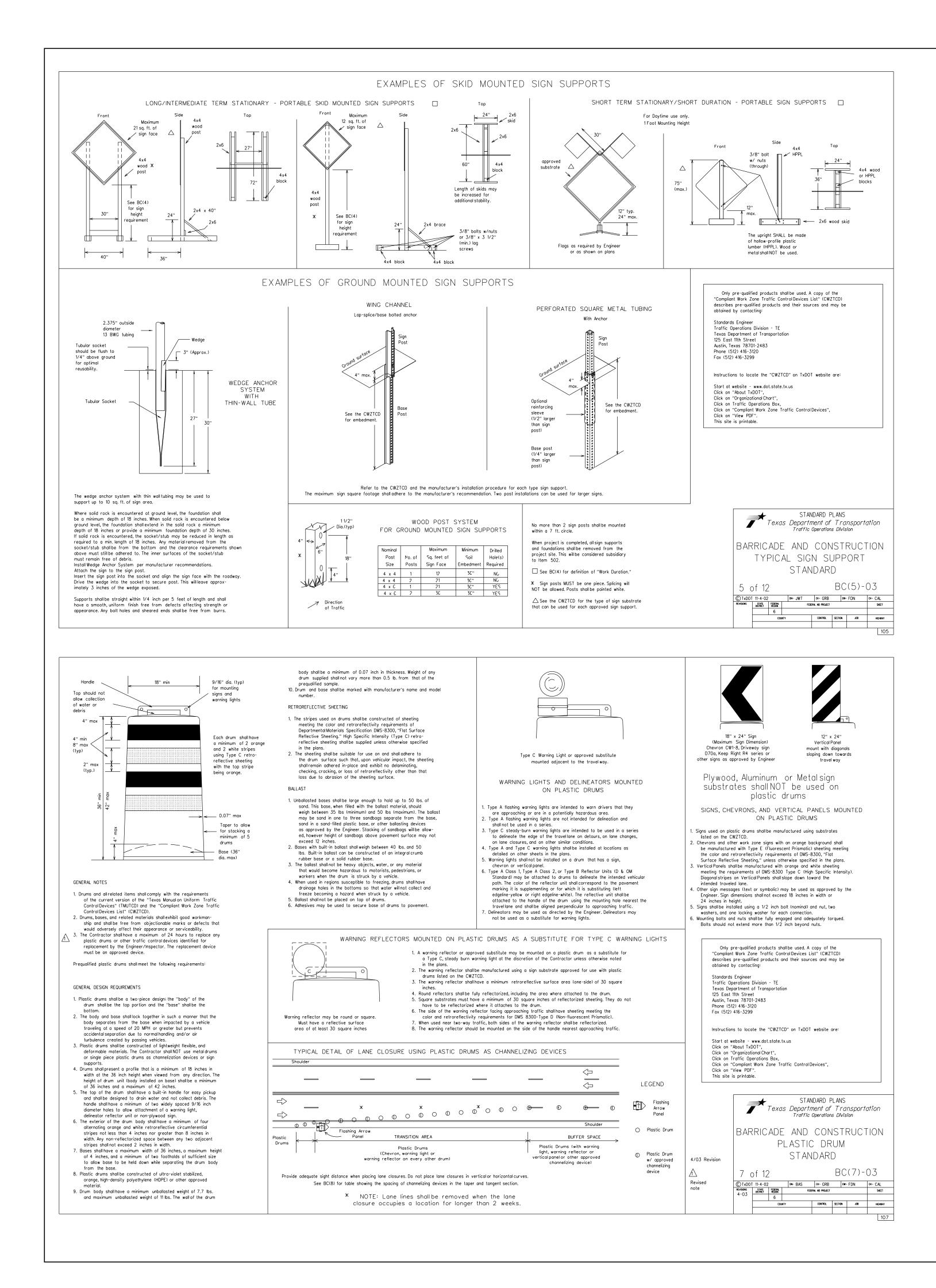
1. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

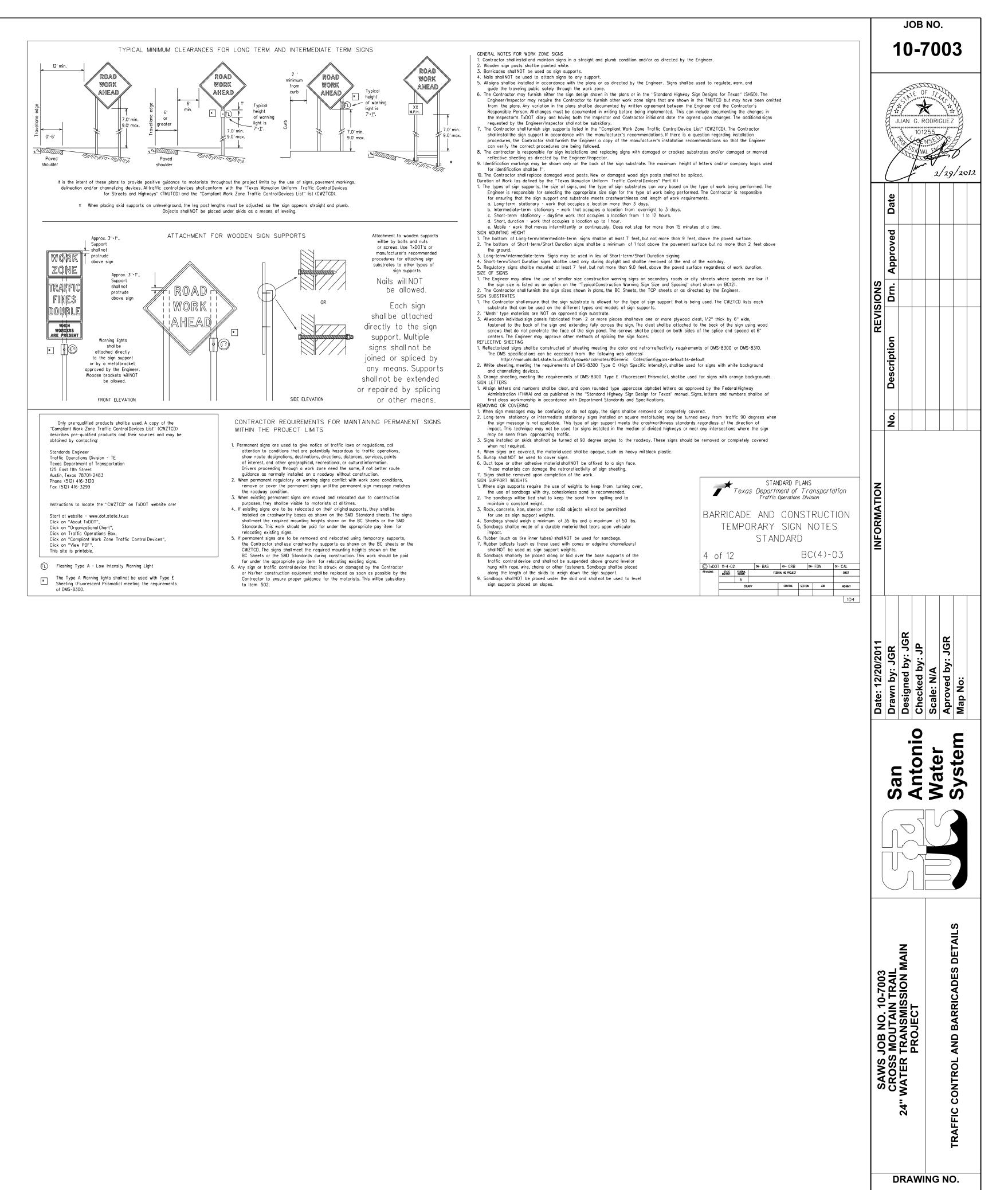
	јов NO. 10-7003								
	JUAN G. RODRIGUEZ JUAN G. RODRIGUEZ JUAN G. RODRIGUEZ 101255 SV/JNAL ENVIRONMENT 2/29/2012								
	d Date								
REVISIONS	Drn. Approved								
REV	Description								
	No.								
INFORMATION	INFORMATION								
Date: 12/19/2011	Date: 12/19/2011 Drawn by: TMJ Designed by: TMJ Checked by: JGR			Scale: AS NOTED ABOVE	Aproved by: JGR	Map No:			
	San Antonio					System			
SAWS JOB NO. 10-7003	SAWS JOB NO. 10-7003 CROSS MOUNTAIN TRAIL 24" WATER TRANSMISSION MAIN PROJECT				EDORION CONTROL DETAILS				
	DRAWING NO. EC5 32 OF 35								











TC3

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