

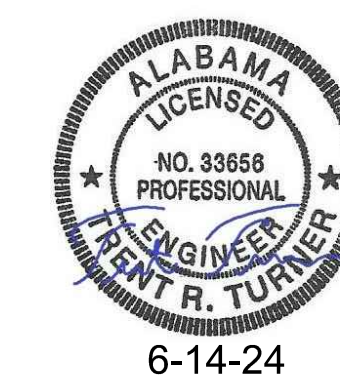
THE CITY OF ALEXANDER CITY

**ALDOT PROJECT NUMBER
BR-0063(507)**

NATURAL GAS RELOCATIONS ON STATE ROUTE 63 BID #24-20

2024

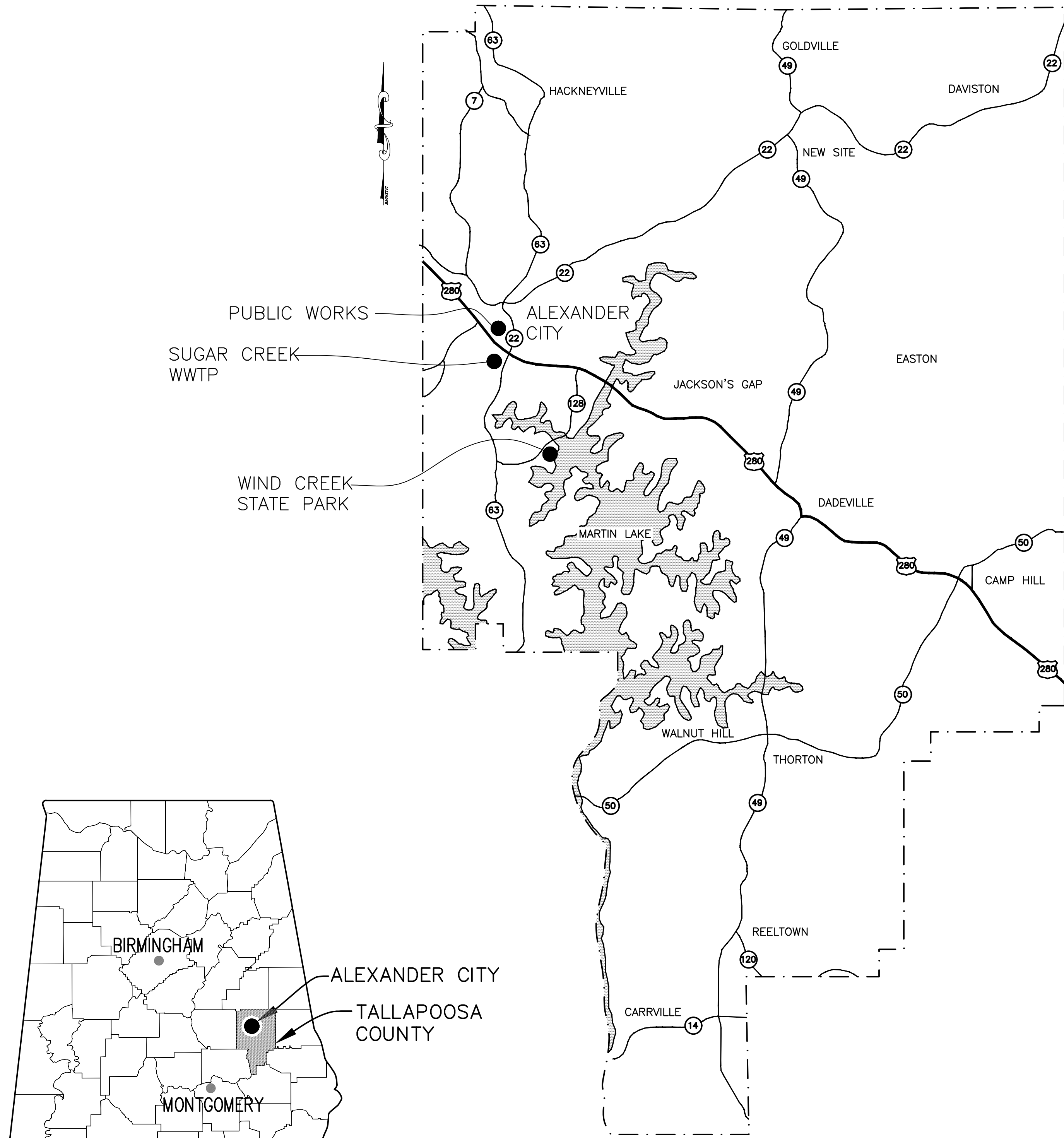
Municipal
Consultants,
Inc. Birmingham, Alabama



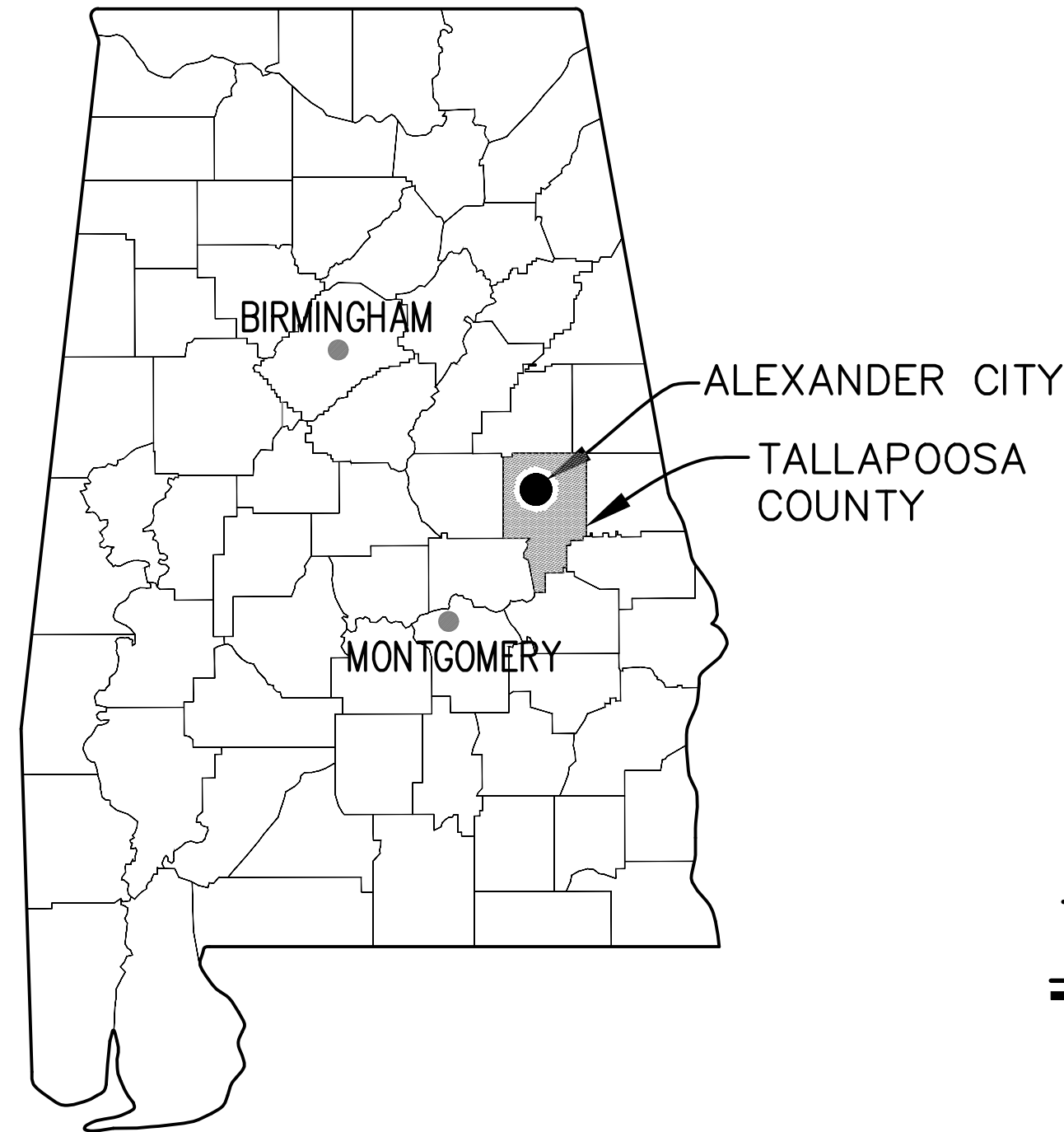
BID SET

SHEET/DRAWING INDEX

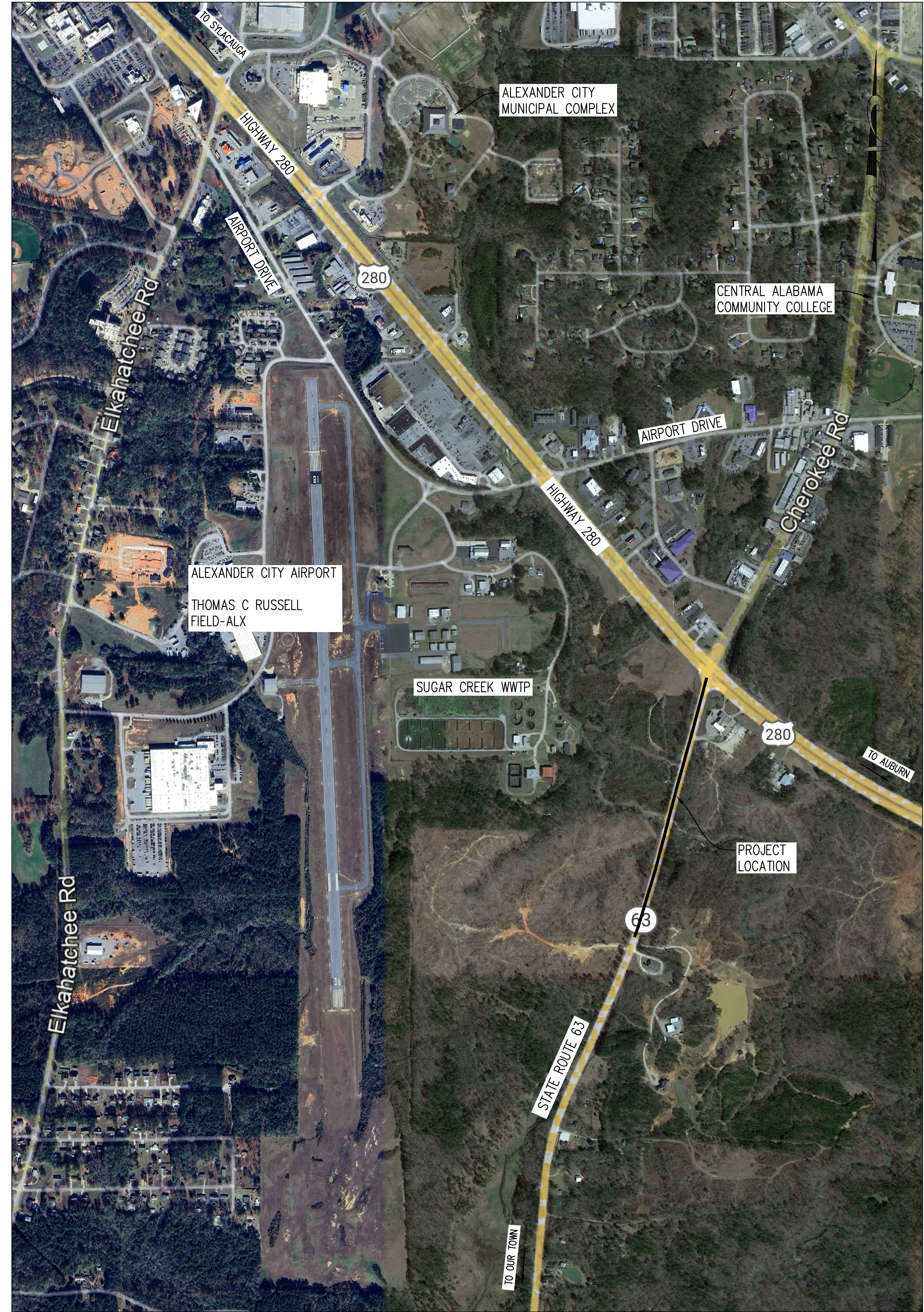
SHEET	TITLE
0	COVER
1	LOCATION MAP
2	PROJECT NOTES AND LEGEND
3	GAS RELOCATION PLAN
4	ROAD CROSSING
5	STANDARD DETAILS
6	STANDARD DETAILS
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8	TRAFFIC CONTROL DETAILS



TALLAPOOSA COUNTY, ALABAMA



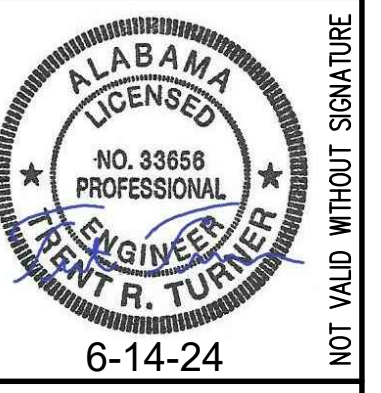
ALABAMA MAP



LOCATION MAP

Municipal Consultants, Inc.
 200 Century Park, South, Suite 212
 Birmingham, Alabama 35226
 (205) 622-0387

THE CITY OF ALEXANDER CITY
 ALDOT #BR-0069(507)
 NATURAL GAS RELOCATIONS ON STATE ROUTE 63
 BID #24-20
 2024



NOT VALID WITHOUT SIGNATURE
 BAR = 1"

Drawing	Title	
	Project No.	LOCATION MAP
Date	06-2024	BID SET
Scale	NONE	
Sheet	1	

LEGEND

	PROPOSED GAS MAIN		RAILROAD CROSSING
	PROPOSED FIRE HYDRANT		EXISTING SEWER MANHOLE
	PROPOSED VALVE		EXISTING GAS VALVE (OR METER)
	PROPOSED AIR RELIEF ASSEMBLY, TYPE DENOTED		EXISTING WATER VALVE
	EXISTING SANITARY SEWER		EXISTING FIRE HYDRANT
	EXISTING WATER MAIN		EXISTING WATER METER
	EXISTING SANITARY SEWER FORCE MAIN		NEW WATER METER
	EXIST. UNDERGROUND FIBER OPTIC CABLE		TREE OR SHRUB
	EXIST. UNDERGROUND CABLE		SURVEY CONTROL POINT
	EXIST. UNDERGROUND GAS MAIN		BENCH MARK
	EXIST. OVERHEAD ELECTRIC		11.25' BEND
	ACQUIRED EASEMENT		22.5' BEND
	EXISTING RIGHT OF WAY		45' BEND
	SLOPE DIRECTION INDICATOR		90' BEND
	TREE LINE		TEE
	FENCE (TYPE VARIES)		WYE
	EXISTING STORM SEWER		CAP OR PLUG
	CONCRETE HEAD WALL		REDUCER
	EXISTING STORM SEWER INLET		PROPERTY PIN
	CATCH BASIN		ROW MONUMENT
	GUIDE WIRE ANCHOR		MAILBOX
	UTILITY POLE		ASPHALT ROAD OR DRIVE
	LIGHT POLE		GRAVEL ROAD OR DRIVE
	TELEPHONE OR FOC PEDESTAL		CONCRETE
	SIGN		RIP RAP
			APPROXIMATE PROPERTY LINE
			RAILROAD

ABBREVIATIONS

AL ALUM APPROX	AT ALUMINUM APPROXIMATE	H, HGT, HT HORIZ	HEIGHT HORIZONTAL	R, RAD RCP	RADIUS REINFORCED CONC PIPE
ASPH ASPHALT	ASSEMBLY ASPHALT ASSEMBLY	HWL HIGHWAY	HIGH WATER LEVEL HIGHWAY	RED REDUCER	REDUCER REDUCER
BLDG BUILDING	BLK BLOCK	ID INSIDE	DIAMETER INSIDE DIAMETER	REIN REINFORCING	REINFORCING REINFORCING
BM BENCHMARK	BTM BOTTOM	IF INSIDE	FACE INSIDE FACE	REQD REQUIRED	REQUIRED REQUIRED
BS BOTH SIDES		IN INCHES	INVERT INVERT	RJ RESTRAINED JOINT	RESTRAINED JOINT RESTRAINED JOINT
		INV INCHES	INVERT INVERT	R/W RIGHT-OF-WAY	RIGHT-OF-WAY RIGHT-OF-WAY
		JT JOINT		RS RESILIENT SEAT	RESILIENT SEAT RESILIENT SEAT
CP CONCRETE CULVERT PIPE		LEN LENGTH		RT RIGHT	
CI CAST IRON PIPE		LG LINEAL, LINEAR		S SOUTH, SLUDGE	SCHEDULE SCHEDULE
CIP CAST IRON PIPE		LOC LOCATION		SCH SCHEDULE	SCHEDULE SCHEDULE
CJ CONSTRUCTION JOINT		LT LEFT		SECT SECTION	SECTION SECTION
C CENTER LINE		MANUF MANUFACTURER		SF SQUARE FEET	SHEET SHEET
CMU CONCRETE MASONRY UNIT		MAX MAXIMUM		SHT SPECIFICATIONS	SQUARE SQUARE
CL CLASS		MHD MILLION GALLONS PER DAY		SS SANITARY SEWER	SS SANITARY SEWER
CONC CONCRETE		MIN MINIMUM		STA STATION	STATION STATION
CONN CONNECTION		MISC MISCELLANEOUS		STD STANDARD	STANDARD STANDARD
CONT CONTINUOUS		MJ MECHANICAL JOINT		ST STL, SS STAINLESS STEEL	STAINLESS STEEL STAINLESS STEEL
				SS SANITARY SEWER	SANITARY SEWER SANITARY SEWER
DIA DIAMETER					
DI DUCTILE IRON				T&B TOP AND BOTTOM	TOP AND BOTTOM TOP AND BOTTOM
DIP DUCTILE IRON PIPE				TEMP TEMPORARY BENCHMARK	TEMPORARY BENCHMARK TEMPORARY BENCHMARK
DWN DOWN				THK THICKNESS	THICKNESS THICKNESS
DWG DRAWING				TOC TOP OF CURB	TOP OF CURB TOP OF CURB
				TOW TOP OF WALL	TOP OF WALL TOP OF WALL
EA EACH				TYP TYPICAL	TYPICAL TYPICAL
EF EACH FACE					
ELEC ELECTRICAL				UH UNIT HEATER	UNIT HEATER UNIT HEATER
EL, ELEV ELEVATION					
EQ EQUAL				V VALV, VENTILATOR, VOLTS	VALV, VENTILATOR, VOLTS VALV, VENTILATOR, VOLTS
EW EACH WAY				VERT VERTICAL	VERTICAL VERTICAL
EX, EXIST EXISTING				VT VENTILATOR	VENTILATOR VENTILATOR
EXP EXPANSION					
EXT EXTINGUISHER				W WEST, WIDTH, WINDOW, WATER	WEST, WIDTH, WINDOW, WATER WEST, WIDTH, WINDOW, WATER
				W/O WITHOUT	WITHOUT WITHOUT
FH FIRE HYDRANT				WL WATER LINE	WATER LINE WATER LINE
FIN GR FINISH GRADE				WS WATERSTOP	WATERSTOP WATERSTOP
FL FLOW LINE				WTM WATER TRANSMISSION MAIN	WATER TRANSMISSION MAIN WATER TRANSMISSION MAIN
FLG FLANGED				WTF WELDED WIRE FABRIC	WELDED WIRE FABRIC WELDED WIRE FABRIC
FT FOOT				WTP WATER TREATMENT PLANT	WATER TREATMENT PLANT WATER TREATMENT PLANT
FTG FOOTING				WTPP WASTEWATER TREATMENT PLANT	WASTEWATER TREATMENT PLANT WASTEWATER TREATMENT PLANT
GALV GALVANIZED				X BY	BY BY
GL GAS LINE					
GR GRADE					
GRVL GRAVEL					
GV GATE VALVE					

GENERAL NOTES:

1. ALL EXISTING UTILITY LINE LOCATIONS ARE APPROXIMATE AND MAY NOT BE SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE AGENCY TWO WORKING DAYS BEFORE DIGGING COMMENCES TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES, DRAINAGE, AND OBSTRUCTIONS AS REQUIRED BY ALABAMA STATE LAW, ALABAMA ONE CALL, INC. MAY BE CONTACTED AT 1-800-292-8525, OR AT 252-4444 IN BIRMINGHAM. CONTRACTOR SHALL REPAIR AND/OR REPLACE LIKE-KIND ANY SUCH ITEMS THAT ARE DAMAGED BY HIS CREWS DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES (WHETHER OR NOT THEY ARE SHOWN) AT CROSSING LOCATIONS PRIOR TO PERFORMING ANY WORK, WHERE UTILITIES MIGHT CONFLICT WITH THE WORK. THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE UTILITY BY EXCAVATION AND DEEPEN THE CASING AS REQUIRED TO AVOID THE CONFLICT. THERE SHALL BE NO EXTRA PAYMENT FOR DEEPENING THE CASING. ALL CASING ELEVATIONS SHALL BE FINALIZED BEFORE PIPE IS LAID IN THE VICINITY OF THE CROSSING.
3. CONTRACTOR SHALL LOCATE AND UNCOVER ALL POTENTIALLY CONFLICTING UTILITIES BEFORE CONSTRUCTION GRADES OR DEPTHS ARE FINALIZED AND PIPE IS LAID. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE LOCATION, TYPE, AND SIZE OF ALL EXISTING UTILITIES, OBSTRUCTIONS, FENCING, DRAINAGE, ETC. CONSULT WITH UTILITY COMPANIES WHEN WORKING CLOSE TO THEIR LINES. UTILITIES ON PLANS (AND IF SHOWN ON PROFILES) ARE SHOWN IN APPROXIMATE LOCATIONS AND MAY BE AT ASSUMED ELEVATIONS. CONTRACTOR TO VERIFY ALL.
4. FITTINGS REQUIRED IN THE FIELD BUT NOT SHOWN ON THE DRAWINGS MUST BE AUTHORIZED BY THE ENGINEER.
5. ALL RIGHT OF WAY, ACQUIRED RIGHT OF WAY, PROPERTY LINES, ETC. AND ALL FIELD SURVEYING SHOWN IN THE DRAWINGS HAVE BEEN PROVIDED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND MAY NOT REFLECT ACTUAL PROPERTY LINE LOCATIONS AND/OR CURRENT PROPERTY OWNERS. CONTRACTOR IS RESPONSIBLE FOR LOCATING THE EXISTING R.O.W., ACQUIRED RIGHT OF WAY, AND EASEMENTS SHOWN ON THE DRAWINGS FOR THE ENTIRE PROJECT AREA.
6. ALL NATURAL GAS PIPING SHALL BE WELDED BY A CERTIFIED WELDER FOR GAS PIPELINE INSTALLATION.
7. ALL ROCK SHALL BE UNDERCUT A MINIMUM OF 6" BELOW THE PIPE INVERT AND PIPE IS TO BE BEDDED IN SOIL - SEE DETAILS. PIPE BEDDING MATERIAL SHALL BE EARTHEN MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY.
8. ALL OPEN CUT TRAFFIC WAYS, ROADWAYS, PARKING LOTS, DRIVES, GRAVEL AREAS, FUTURE DRIVES, ETC., AND ALL AREAS LYING WITHIN PRISM OF TRAFFIC WAYS SHALL HAVE PUGMIX/MOIST, TYPE "B" BACKFILL AS SPECIFIED IN SECTION 825 OF A.D.O.T. SPECIFICATION MANUAL AND COMPACTED TO 100% STANDARD PROCTOR DENSITY MINIMUM WITH VIBRATORY COMPACTOR (MAX. 6" LIFTS) FOR ITS ENTIRE TRENCH HEIGHT AND WIDTH TO PREVENT SETTLEMENT. ALL ASPHALT AND CONCRETE TO BE NEATLY SAW CUT.
9. ANY PROPERTY (I.E. FENCING, LANDSCAPING, SHRUBBERY, DRIVEWAYS, ACCESS ROADS, STRUCTURES, ETC.) THAT IS DAMAGED, REMOVED, AND/OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED OR RESTORED LIKE-KIND (AS A MINIMUM) IN A TIMELY MANNER FOLLOWING COMPLETION OF CONSTRUCTION IN THAT AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL SHRUBBERY, SO, SPRINKLER HEADS, ETC. LIKE-KIND (WHETHER OR NOT THEY ARE SHOWN ON THE DRAWINGS) THAT IS DAMAGED, REMOVED, AND/OR DISTURBED DURING CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL REIMBURSE THE PROPERTY OWNER FOR THE VALUE OF ANY IRREPLACEABLE PROPERTY LOCATED ON PRIVATE PROPERTY (I.E. NOT WITHIN R.O.W. OR EASEMENTS) THAT HAS BEEN REMOVED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING CROSSING LOCATIONS TO DETERMINE EXISTING FIELD CONDITIONS. CASING SIZES SHOWN ON THE DRAWINGS SHALL BE CONSIDERED THE MINIMUM SIZES REQUIRED. NO EXTRA PAYMENT SHALL BE MADE FOR CONDITIONS ENCOUNTERED SUCH AS ROCK, SOFT CONDITIONS, ETC. CASING SPACERS SHALL BE CASCADE.
11. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCESS TO CONSTRUCTION SITES FOR MOVEMENT OF MATERIALS, CREWS, AND OTHER REQUIREMENTS TO CONSTRUCT THE PROJECT WHEN EXISTING EASEMENTS AND PUBLIC ACCESS DOES NOT SATISFY CONTRACTOR.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF ANY ROW MONUMENTS OR PROPERTY PINS DISTURBED DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR SAFETY. THE ENGINEER IS NOT RESPONSIBLE FOR SAFETY. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA STANDARDS AND RECOMMENDATIONS, ETC., APPLICABLE TO ALL WORK AND COMPONENTS ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL CONTINUOUSLY UTILIZE SAFETY PRACTICES THAT MAY BE NEEDED FOR THE FULL PROTECTION OF ALL PERSONS INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION PERSONNEL, THE OWNER'S PERSONNEL, INSPECTORS, AND THE GENERAL PUBLIC, ETC.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL EXCESS MATERIALS RESULTING FROM THE WORK.
15. FINE GRADE ALL DISTURBED AREAS TO LEAVE THE AREA FREE OF DRAINAGE PROBLEMS.
16. DEEPENING OF GAS MAIN, WHERE REQUIRED, SHALL BE ACHIEVED BY VERTICAL BENDS. ALL BENDS SHALL BE BUTT-STYLED WELDED UNLESS SPECIFIED OTHERWISE, OR APPROVED BY ENGINEER.
17. ALL CONNECTIONS TO EXISTING LINES TO BE COORDINATED WITH THE CITY OF ALEXANDER CITY SUCH THAT THERE IS NO INTERRUPTION OF GAS SERVICE.
18. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES BEFORE LAYING ANY PIPE. SANITARY SEWER, FORCE MAINS, AND WATER LINES MAY BE UNMARKED PVC MATERIAL. UTILITIES MAY REQUIRE "POT-HOLING" FOR ACTUAL LOCATIONS. IN THE EVENT THAT ANY UTILITY IS DAMAGED IN CONSTRUCTION IT IS THE CONTRACTORS RESPONSIBILITY TO REPAIR THE DAMAGE.
19. THE CONTRACTOR SHALL COORDINATE AND PAY FOR LOCATING AND STAKING THE EXISTING R.O.W. AND ACQUIRED RIGHT OF WAY LINES SHOWN ON THE DRAWINGS AS REQUIRED ON HIGHWAY (STATE ROUTE) 63. ALL SUCH SUCH SURVEYING IS TO BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR (PLS). THE CONTRACTOR IS NOT ALLOWED TO LAY PIPE UNLESS THE RIGHT OF WAY HAS BEEN STAKED BY THE PLS. ALL PIPE, FITTINGS, MARKERS, VALVES, ETC. SHALL BE INSTALLED WITHIN RIGHT OF WAY OR ACQUIRED RIGHT OF WAY LIMITS. THIS WORK SHALL BE SUBSIDIARY TO THE "6" STEEL PIPE" BID ITEMS, SEE BASIS OF PAYMENTS.
20. PIPE SHALL BE LAID ON RISING OR FALLING GRADES WITH SUFFICIENT DEPTH TO ELIMINATE AIR POCKETS THROUGHOUT PROJECT UNLESS AN AIR RELEASE VALVE IS SHOWN. NO AIR RELEASE VALVES WILL BE ADDED TO PROJECT WITHOUT APPROVAL OF THE ENGINEER.
21. UNLESS SHOWN OTHERWISE, ALDOT REQUIRES MINIMUM OF 36" COVER FOR PIPE WITHIN ITS RIGHT OF WAY AND A MINIMUM OF 48" COVER UNDER ROADWAYS AND DITCHLINES WITHIN ITS RIGHT OF WAY.
22. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF ALEXANDER CITY RULES AND REGULATIONS, TALLAPOOSA COUNTY AGENCIES, AND ALABAMA DEPARTMENT OF TRANSPORTATION RULES AND REGULATIONS, AS APPLICABLE. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT(S).

6" NATURAL GAS CONNECTION NOTES:

1. THE EXISTING 6" NATURAL GAS LINE IS FED FROM A GAS MAIN LINE EXTENDING DOWN HIGHWAY 280. THE EXISTING LINE HAS TO REMAIN IN SERVICE AT ALL TIMES TO CONTINUE TO FEED AND SERVE ALL DOWNSTREAM CUSTOMERS.
2. ONCE THE NEW 6" LINE IS INSTALLED, TESTED, AND APPROVED FROM CONNECTION #1 TO CONNECTION #2, THE CONTRACTOR SHALL HOT TAP EXISTING LINES AT CONNECTION #1 AND CONNECTION #2.
3. ONCE NEW LINE IS LIVE AND ACTIVE, CONTRACTOR SHALL CUT AND CAP EXISTING LINES AS INDICATED. CONTRACTOR SHALL PROVIDE ALL HOT TAPS, STOPS, PLUGS, PIPING, VALVES, CONNECTIONS, ETC. TO DISCONNECT EXISTING LINE FROM SERVICE.
4. CONTRACTOR SHALL FULLY EVACUATE ALL NATURAL GAS FROM EXISTING LINE AND PROPERLY DISPOSE OF PRIOR TO GROUT FILL. THE EVACUATION OF CONTENTS OF THIS LINE IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL HAULING, PIPING, PUMPS, ETC. REQUIRED TO REMOVE CONTENTS FROM PIPE AND DISPOSE OF CONTENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

PROJECT SPECIFIC NOTES:

1. BEFORE ANY MATERIALS ARE DELIVERED AND PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL VIDEO (IN THE PRESENCE OF THE FIELD ENGINEER) THE ENTIRE PROJECT SITE AND ANY OTHER AREAS WHICH MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES AND PROVIDE AN ACCEPTABLE HIGH QUALITY RECORDED VIDEO TO THE OWNER AND ENGINEER ON A DVD OR OTHER MEDIA ACCEPTABLE TO THE OWNER. VIDEO SHALL BE OF GOOD QUALITY AND BE TAKEN WITH VERY STEADY FRAME AND BE CLEAR AND EASILY WATCHABLE. COORDINATE WITH OWNER AND ENGINEER.
2. CONTRACTOR SHALL KEEP ALL PIPE CLEAN AND REMOVE ALL DEBRIS AND DIRT FROM INSIDE OF PIPE TO BE INSTALLED AND PREVIOUS PIPES INSTALLED IN ORDER TO MINIMIZE CLEANING REQUIRED WHEN PIPE INSTALLATION IS COMPLETE. WHEN PIPE LAYING IS NOT IN PROGRESS, INCLUDING BREAK PERIODS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY PLUGS OR APPROVED MEANS.
3. CONTRACTOR SHALL PROPERLY COORDINATE ALL GAS MAIN CONNECTIONS WITH OWNER AND ENGINEER. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO OWNER/ENGINEER PRIOR TO PERFORMING CONNECTIONS. CONTRACTOR SHALL BE AWARE AND TAKE NOTE OF ALL CONNECTION NOTES AND DETAILS THROUGHOUT THE DRAWINGS.
4. ROCK (IF ANY LOCATED OR FOUND) SHALL BE UNDERCUT A MINIMUM OF 6" FOR PIPING. PIPE SHALL BE BED IN RED CLAY MATERIAL FREE OF ROCKS AND STONES. ALL ROCK EXCAVATION (IF ANY) SHALL BE INCLUDED IN THE BID PRICE ITEMS. THERE SHALL BE NO EXTRA TIME OR PAYMENT FOR THE REMOVAL OF ROCK REQUIRED FOR THE PIPE INSTALLATION.
5. EXISTING GAS LINES TO BE ABANDONED AFTER NEW LINE SECTIONS ARE FULLY OPERATIONAL AND ALL SERVICES HAVE BEEN TRANSFERRED. COORDINATE WITH ENGINEER. ALL LINES TO BE ABANDONED. CONTRACTOR SHALL HAVE REPAIR MATERIALS ON SITE AT ALL TIMES FOR IMMEDIATE REPAIR OF ANY LINE BREAKS DURING CONSTRUCTION. LINE BREAKS SHALL BE FIXED IMMEDIATELY, NO EXCEPTIONS. ALL REPAIRS TO GAS MAINS AND/OR SERVICES SHALL BE ACCEPTABLE TO THE OWNER AND ENGINEER AND SHALL BE MADE AT NO ADDITIONAL COST.
6. CONTRACTOR SHALL POTHOLE ALL EXISTING LINES AND SERVICES AS REQUIRED AND ADJUST PROPOSED FACILITIES AS REQUIRED AND APPROVED BY FIELD ENGINEER, AT NO ADDITIONAL COST.
7. ALL COSTS ASSOCIATED WITH EXCAVATING, BORROWING, HAULING, PLACING, AND COMPACTING SOIL (WHETHER FROM A BORROW SITE OR ON-SITE) SHALL BE INCLUDED IN THE BID PRICE. ALL MATERIAL PROVIDED SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION OR PLACEMENT. ALL FILL MATERIAL SHALL BE CLEAN, FREE OF ORGANICS AND BOULDERS GREATER THAN 6" IN ANY DIRECTION. LIQUID LIMIT (LL) AND PLASTIC INDEX (PI) OF FILL MATERIAL SHALL NOT EXCEED 50 AND 30, RESPECTIVELY. ALL FILL SHALL BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 95% SPD OR OTHERWISE NOTED. EACH LIFT MAY BE TESTED BY THE OWNER'S GEOTECHNICAL REPRESENTATIVE. IF TESTED, EACH LIFT MUST PASS COMPACTION AND TESTING REQUIREMENTS BEFORE PLACEMENT OF SUCCESSIVE LIFTS.
8. ALL NATURAL GAS PIPING TO BE 6" STEEL AS REQUIRED AND SPECIFIED. SEE SPECIFICATIONS.
9. TESTING OF LINES AND APPURTENANCES SHALL BE AS SPECIFIED. CONTRACTOR SHALL TEMPORARILY CAP LINES AT HIS COST TO SUCCESSFULLY TEST THE INSTALLED FACILITIES IN ACCORDANCE WITH HIS CONSTRUCTION SCHEDULE AND ACTIVITIES. ALL TEST SEGMENTS AND PRESSURES SHALL BE APPROVED BY THE ENGINEER. ONCE LINE IS TESTED, THE CONTRACTOR SHALL PROVIDE ALL PLUSH POINTS, AIR RELEASE POINTS, ETC. (WITH ENGINEER'S APPROVAL) TO ADEQUATELY REMOVE ALL AIR/NITROGEN FROM LINES DURING FILLING. NEW LINES SHALL BE PURGED AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL NECESSARY AND REQUIRED ITEMS TO COMPLETE THIS WORK.
10. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING EROSION, RUN-OFF, AND SEDIMENT CONTROL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES AND REGULATIONS. THE CONTRACTOR SHALL ACQUIRE AN NPDES PERMIT FOR THE ENTIRE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING AND IMPLEMENTING ALL APPROPRIATE BEST MANAGEMENT PRACTICES (BMP'S) FOR THE PREVENTION AND CONTROL OF NONPOINT SOURCES OF POLLUTANTS DURING AND AFTER PROJECT IMPLEMENTATION. THE CONTRACTOR, AT A MINIMUM, MUST IMPLEMENT BMP'S AS PROVIDED IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL & STORMWATER MANAGEMENT ON CONSTRUCTION SITES & URBAN AREAS, AS AMENDED, AND ALL APPLICABLE EPA STORMWATER POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES PUBLICATIONS, AS AMENDED. ADDITIONAL DEVICES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER AS REQUIRED TO PREVENT SILTATION, EROSION, & OTHER DEGRADATION OR POLLUTION TO SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, PUBLIC ROADWAYS, ETC. CONTRACTOR IS RESPONSIBLE FOR THE RENEWAL OF ALL NPDES PERMITS AS REQUIRED FOR THE PROJECT. ALL COSTS ASSOCIATED WITH BMP PLANS, IMPLEMENTING BMP'S, PERMIT FEES, ETC. SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE BID.
11. CONTRACTOR SHALL INCLUDE ALL COSTS FOR HOLDING AND BRACING UTILITY POLES AS REQUIRED.
12. CONTRACTOR IS FULLY RESPONSIBLE FOR PROTECTING ROADWAYS AND PROVIDING STABILIZATION AS REQUIRED TO PROTECT THE ROADWAY. STABILIZATION (I.E. SHORING, ETC.) SHALL BE AS APPROVED AND REQUIRED BY THE RESPECTIVE D.O.T. THE CONTRACTOR SHALL PROVIDE ANY DETAILS, PLANS OR DRAWINGS THE RESPECTIVE D.O.T. MAY REQUEST. ANY AND ALL SUCH COSTS SHOULD BE INCLUDED IN THE CONTRACTORS BID.
13. AT ALL LOCATIONS WHERE MATERIAL IS REMOVED NEAR EXISTING THRUST BLOCKS, FITTINGS, ETC. CONTRACTOR SHALL BRACE AS REQUIRED. ANY FILL MATERIAL SHALL BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 98% SPD.
14. CONTRACTOR TO GRADE, DRESS, AND GRASS DISTURBED AREAS IN ACCORDANCE WITH D.O.T. REGULATIONS AND/OR SPECIFICATIONS A MINIMUM OF EVERY 10 DAYS OR 2000 FEET OF GAS LINE INSTALLATION, WHICH EVER OCCURS SOONER, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR IS SUBJECT TO BE SUSPENDED FROM INSTALLING PIPE FOR VIOLATION WITH NO REIMBURSEMENT FOR SUSPENSION OF WORK. IF TESTING IS NOT COMPLETED AND IF FOR ANY REASON THE WORK IS INSPECTED OR REPAIRED AFTER THIS CLEANUP WORK IS COMPLETED, THEN THE CONTRACTOR WILL BE REQUIRED TO RESTORE AREA(S) AGAIN, AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL CONTINUALLY MAINTAIN TRAFFIC FLOW TO BUSINESSES AND RESIDENTS WITH MINIMUM DISRUPTION OF BUSINESS ACCESS. CONTRACTOR SHALL COORDINATE AS REQUIRED WITH PROPERTY OWNERS TO ENSURE UNOBSTRUCTED ACCESS DURING SPECIFIC CRITICAL TIMES OF DAY IF NECESSARY.
16. THE LOCATION AND TYPE OF EXISTING GAS LINES ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING LINE LOCATIONS, SIZES, AND MATERIALS OF PIPE BEFORE ORDERING MATERIALS FOR CONNECTIONS. SPECIAL TRANSITION GASKETS AND/OR ACCESSORIES MAY BE REQUIRED, NO EXTRA PAYMENTS SHALL BE MADE FOR SUCH MATERIALS AND WORK.
17. CONTRACTOR SHALL PROVIDE GPS COORDINATES (X, Y, & Z STATE PLANE COORDINATES, AND SUB FOOT ACCURACY) OF ALL VALVE LOCATIONS, FITTINGS, BENDS, CONNECTIONS, BORE CROSSINGS AND A MINIMUM OF EVERY 100 FEET ALONG PIPELINE. INFORMATION TO BE PROVIDED IN DIGITAL FORMAT COMPATIBLE WITH ENGINEERS AND OWNERS SOFTWARE PLATFORM. CONTRACTOR SHALL PROVIDE TO ENGINEER ONCE PROJECT IS COMPLETE.
18. ALL MISCELLANEOUS WORK REQUIRED BUT NOT SHOWN IS CONSIDERED INCIDENTAL TO THE WORK AND SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR THE PIPE OR OTHER ITEMS AS NEEDED.
19. NO BLASTING WILL BE ALLOWED ON THIS PROJECT. ANY AND ALL ROCK ENCOUNTERED SHALL BE REMOVED AS REQUIRED. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN THE BID ITEMS LISTED. NO ADDITIONAL PAYMENT FOR THIS WILL BE GRANTED.
20. ALL SOD, SHRUBBERY AND LANDSCAPE AREAS REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE KIND.
21. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO OWNER AND ANY EFFECTED CUSTOMERS, RESIDENTS, AND/OR BUSINESS PRIOR TO PERFORMING CONNECTIONS OR SERVICE CONNECTIONS. GAS LINE SHALL REMAIN LIVE AND ACTIVE THROUGHOUT THE CONSTRUCTION PROCESS.
22. ALL MEDIA (AIR, NITROGEN, ETC.) REQUIRED FOR TESTING SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL PIPELINES THROUGHOUT THE PROJECT. ALL COST ASSOCIATED WITH THIS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
23. THE GROUND (DIRT, SOIL, AREAS, ETC.) EAST OF STATE ROUTE 63 BETWEEN HIGHWAY 280 AND SUGAR CREEK HAS BEEN OR IS CURRENTLY CONTAMINATED WITH GASOLINE. THE CONTRACTOR SHALL BE AWARE OF THIS CONDITION AND SHALL TAKE ALL PRECAUTIONS ASSOCIATED WITH IT WHEN DIGGING, WELDING, AND INSTALLING PIPING, FITTINGS, CASINGS, ETC. CONTRACTOR SHALL PLAN WORK REQUIRED ACCORDINGLY. SEE SPECIAL PROVISIONS AND DRAWINGS FOR ADDITIONAL NOTES AND REQUIREMENTS.
24. THERE SHALL BE A PRE-CONNECTION CONFERENCE WITH THE CONTRACTOR, OWNER AND ENGINEER A MINIMUM OF 1 WEEK PRIOR TO PERFORMING ANY OF THE CONNECTIONS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR HANDLING ALL NATURAL GAS DRAINING FROM EXISTING PIPES DURING CONSTRUCTION. SEE CONNECTION NOTES.

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THE CITY OF ALEXANDER CITY

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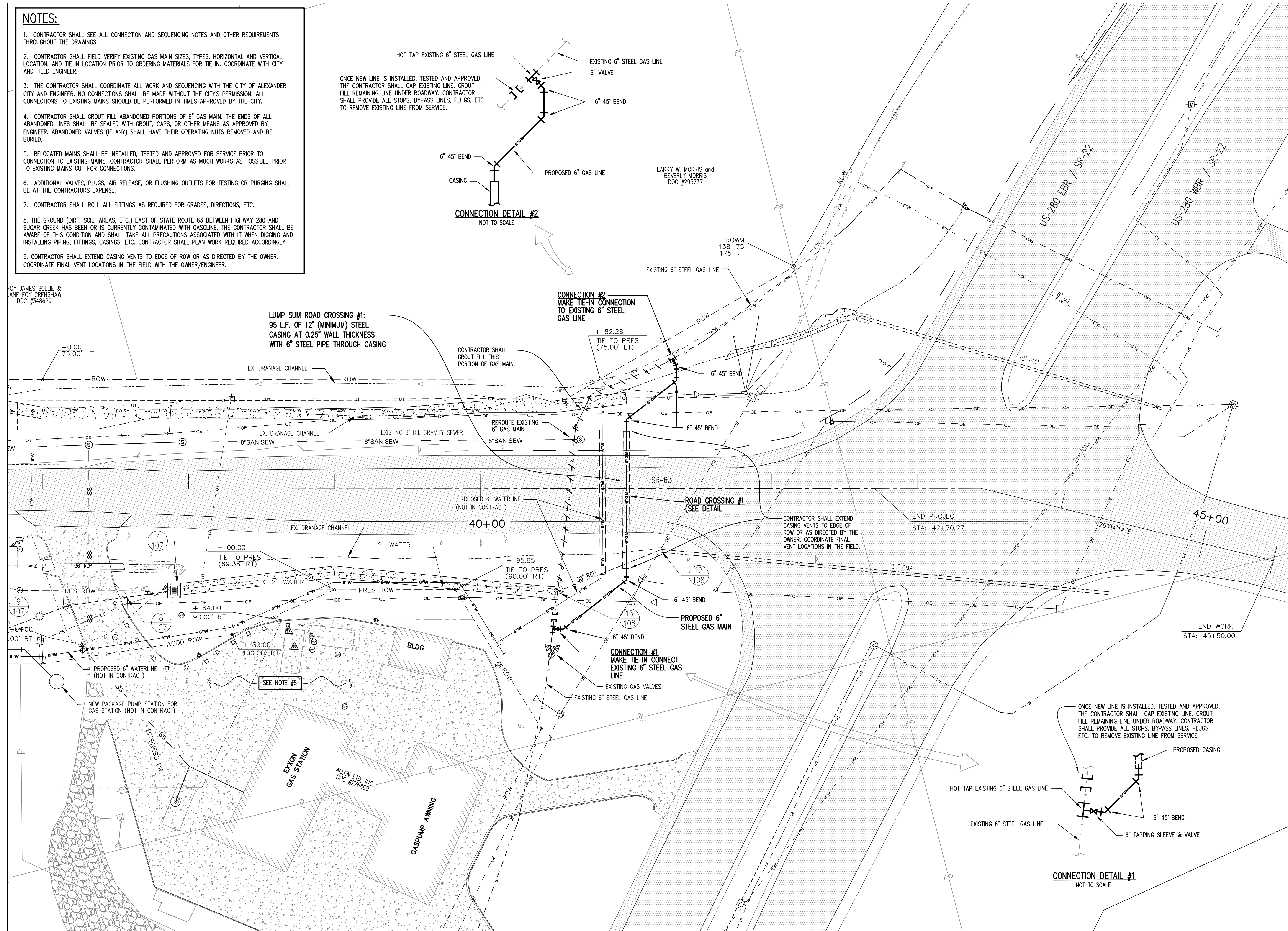
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Title		PROJECT NOTES AND LEGEND		BID SET	
Drawing	Project No.	Date	Scale	Sheet	
	06-2024		NONE	2	

NOTES:

1. CONTRACTOR SHALL SEE ALL CONNECTION AND SEQUENCING NOTES AND OTHER REQUIREMENTS THROUGHOUT THE DRAWINGS.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING GAS MAIN SIZES, TYPES, HORIZONTAL AND VERTICAL LOCATION, AND TIE-IN LOCATION PRIOR TO ORDERING MATERIALS FOR TIE-IN. COORDINATE WITH CITY AND FIELD ENGINEER.
3. THE CONTRACTOR SHALL COORDINATE ALL WORK AND SEQUENCING WITH THE CITY OF ALEXANDER CITY AND ENGINEER. NO CONNECTIONS SHALL BE MADE WITHOUT THE CITY'S PERMISSION. ALL CONNECTIONS TO EXISTING MAINS SHOULD BE PERFORMED IN TIMES APPROVED BY THE CITY.
4. CONTRACTOR SHALL GROUT FILL ABANDONED PORTIONS OF 6" GAS MAIN. THE ENDS OF ALL ABANDONED LINES SHALL BE SEALED WITH GROUT, CAPS, OR OTHER MEANS AS APPROVED BY ENGINEER. ABANDONED VALVES (IF ANY) SHALL HAVE THEIR OPERATING NUTS REMOVED AND BE BURIED.
5. RELOCATED MAINS SHALL BE INSTALLED, TESTED AND APPROVED FOR SERVICE PRIOR TO CONNECTION TO EXISTING MAINS. CONTRACTOR SHALL PERFORM AS MUCH WORKS AS POSSIBLE PRIOR TO EXISTING MAINS CUT FOR CONNECTIONS.
6. ADDITIONAL VALVES, PLUGS, AIR RELEASE, OR FLUSHING OUTLETS FOR TESTING OR PURGING SHALL BE AT THE CONTRACTORS EXPENSE.
7. CONTRACTOR SHALL ROLL ALL FITTINGS AS REQUIRED FOR GRADES, DIRECTIONS, ETC.
8. THE GROUND (DIRT, SOIL, AREAS, ETC.) EAST OF STATE ROUTE 63 BETWEEN HIGHWAY 280 AND SUGAR CREEK HAS BEEN OR IS CURRENTLY CONTAMINATED WITH GASOLINE. THE CONTRACTOR SHALL BE AWARE OF THIS CONDITION AND SHALL TAKE ALL PRECAUTIONS ASSOCIATED WITH IT WHEN DIGGING AND INSTALLING PIPING, FITTINGS, CASINGS, ETC. CONTRACTOR SHALL PLAN WORK REQUIRED ACCORDINGLY.
9. CONTRACTOR SHALL EXTEND CASING VENTS TO EDGE OF ROW OR AS DIRECTED BY THE OWNER. COORDINATE FINAL VENT LOCATIONS IN THE FIELD WITH THE OWNER/ENGINEER.

FOY JAMES SOLLIE &
JANE FOY CRENSHAW
DOC #348629



CONNECTION DETAIL #2
NOT TO SCALE

CONNECTION DETAIL #1
NOT TO SCALE

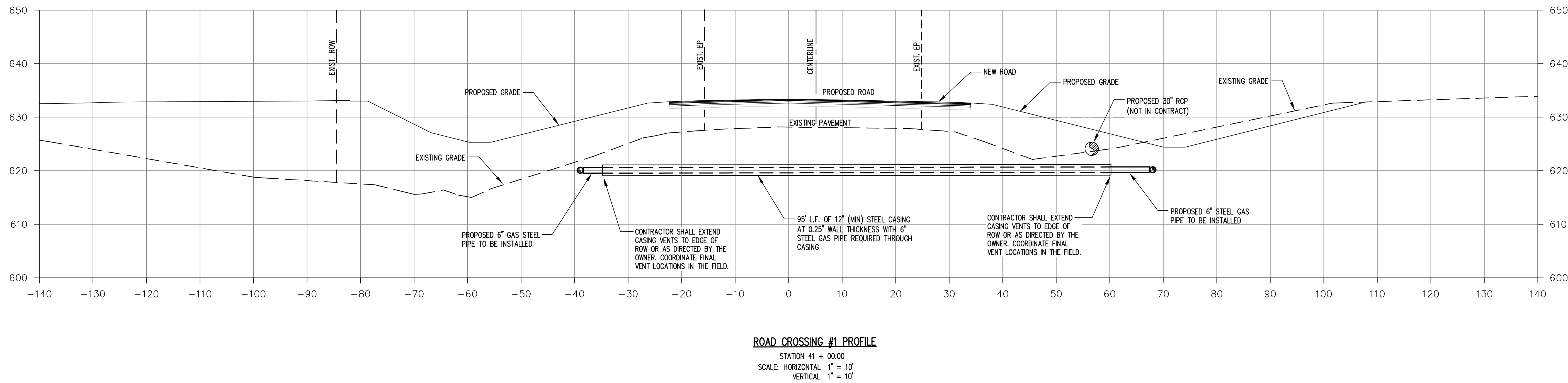
Municipal Consultants, Inc.
200 Century Park, South, Suite 212
Birmingham, Alabama 35226
(205) 622-0387

THE CITY OF ALEXANDER CITY
ALDOT #BR-0069(507)
NATURAL GAS RELOCATIONS ON STATE ROUTE 63
BID #24-20
2024

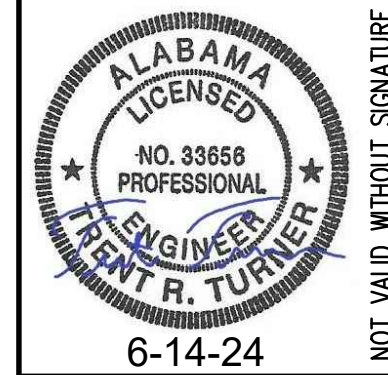


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Title	
GAS RELOCATION PLAN	
Drawing Project No.	06-2024
Date	1" = 30'
Scale	3
Sheet	



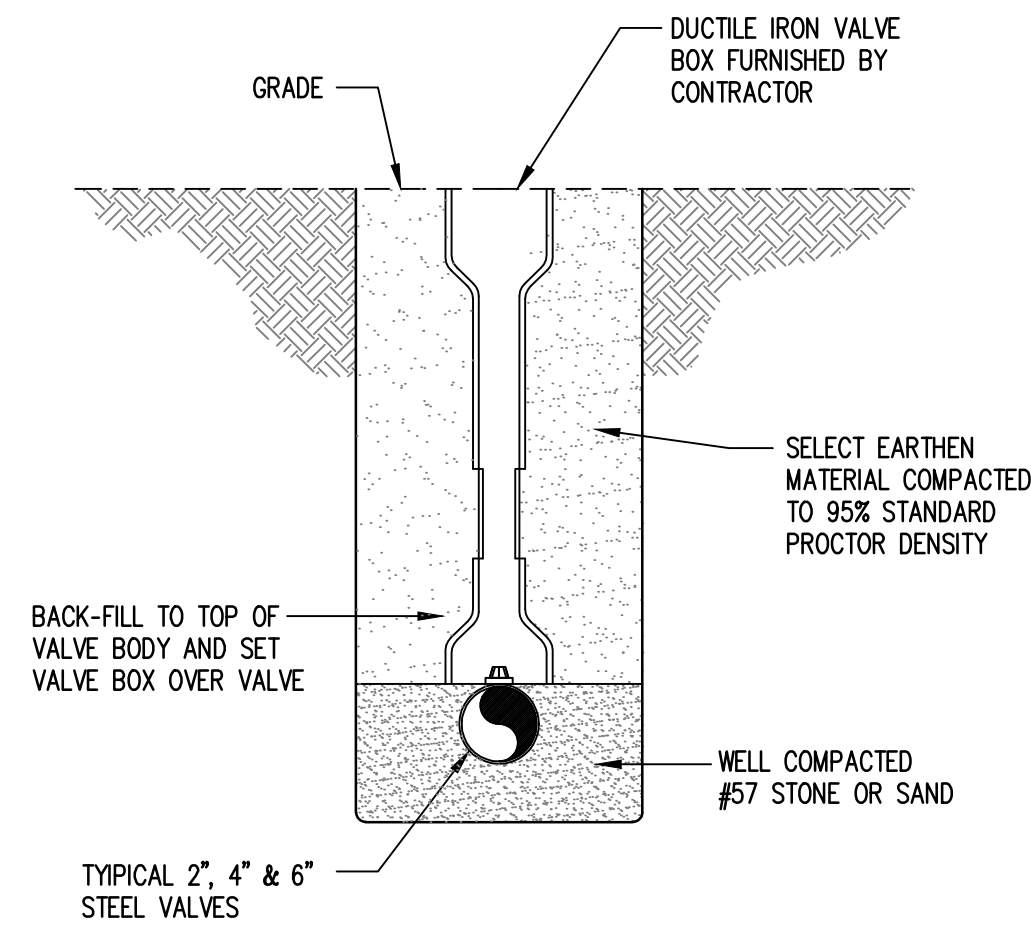
- CROSSING NOTES:**
1. THE LOCATION, ELEVATION, DEPTH, TYPE, ETC. OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING LINE LOCATIONS, DEPTHS, SIZES, AND MATERIALS OF PIPE BEFORE ORDERING MATERIALS FOR CROSSING OR INSTALLING CASING. COORDINATE WITH FIELD ENGINEER DURING CONSTRUCTION.
 2. ONCE ALL EXISTING LINES ARE LOCATED, CONTRACTOR MAY ADJUST FINAL CASING GRADE, ELEVATION, ETC. AS REQUIRED TO ACCOUNT FOR EXISTING UTILITY LINE LOCATIONS. COORDINATE ALL WITH THE FIELD ENGINEER DURING CONSTRUCTION.
 3. THE PROPOSED 30" STORM PIPE SHOWN WILL BE LAID AT A LATER DATE AS PART OF THE ROADWAY CONSTRUCTION. THE CONTRACTOR SHALL BE AWARE OF THIS AND SHALL VERIFY CASING WILL BE BENEATH THE BOTTOM OF STORM PIPING. THE CONTRACTOR SHALL COORDINATE ALL WITH ALDOT AND ALDOT DRAWINGS.
 4. CONTRACTOR SHALL EXTEND CASING VENTS TO EDGE OF ROW OR AS DIRECTED BY THE OWNER/ENGINEER. SEE DETAIL FOR ADDITIONAL REQUIREMENTS.



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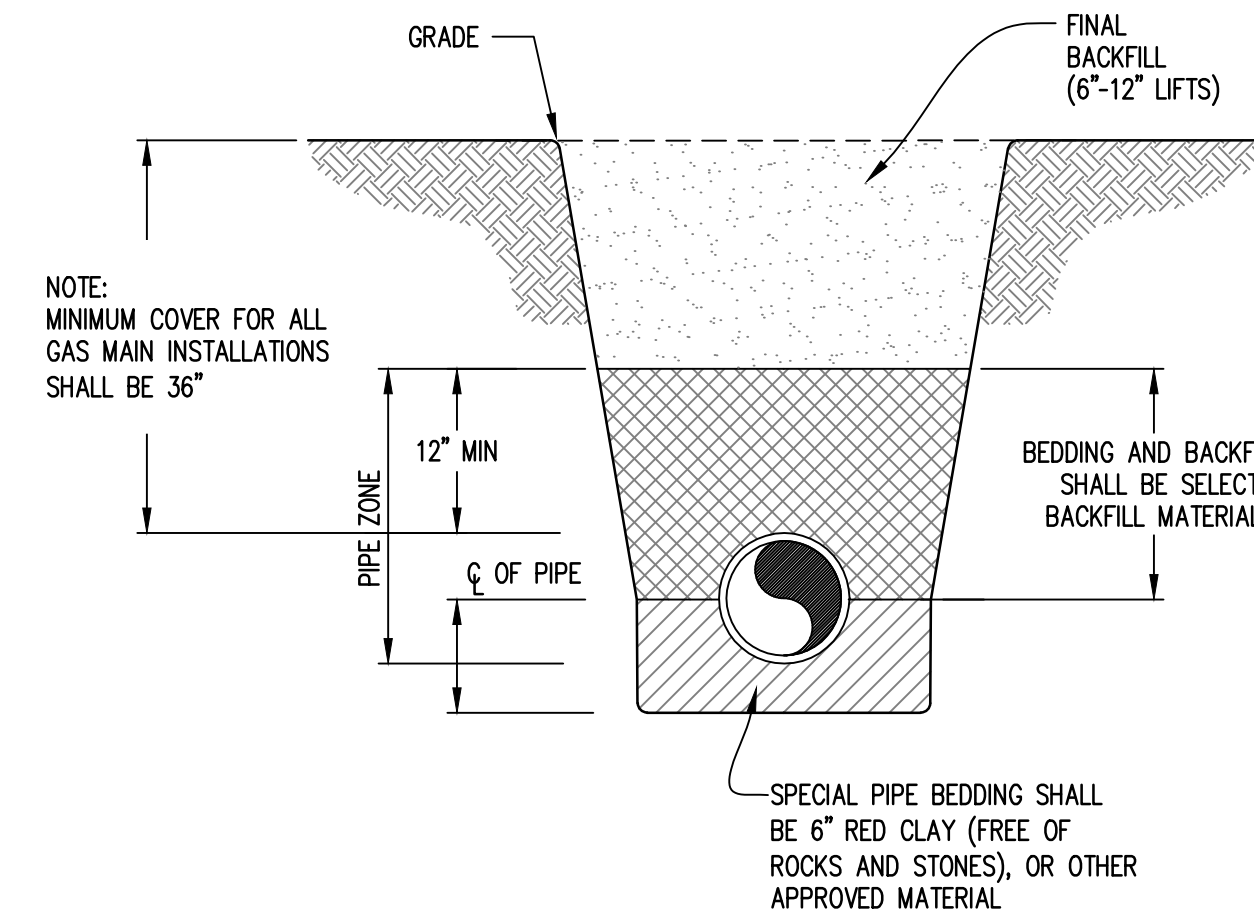
Drawing Project No. Date Scale Sheet	Title	
	ROAD CROSSING	
	06-2024	AS SHOWN
	4	BID SET

NOT VALID WITHOUT SIGNATURE



VALVE BOX DETAIL

SCALE: N.T.S.

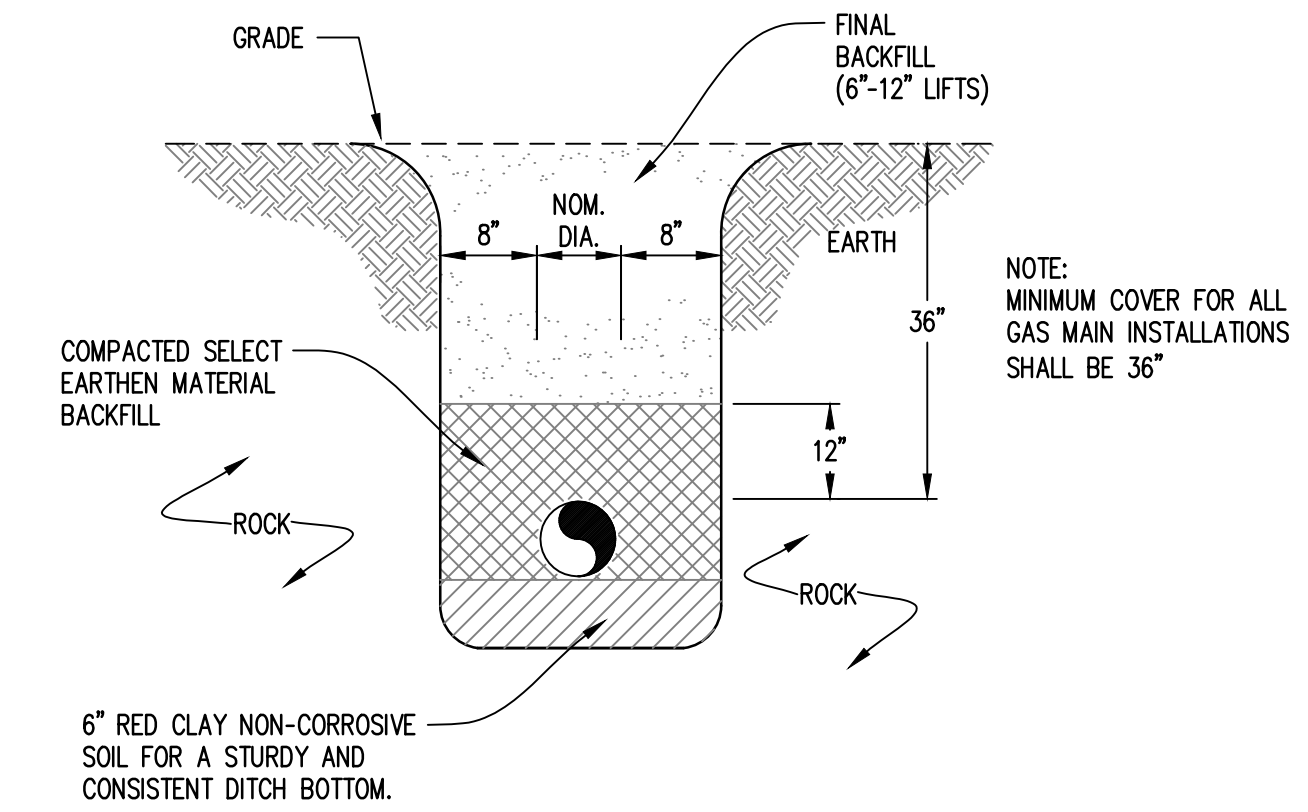


GAS LINE INSTALLATION

SCALE: N.T.S.

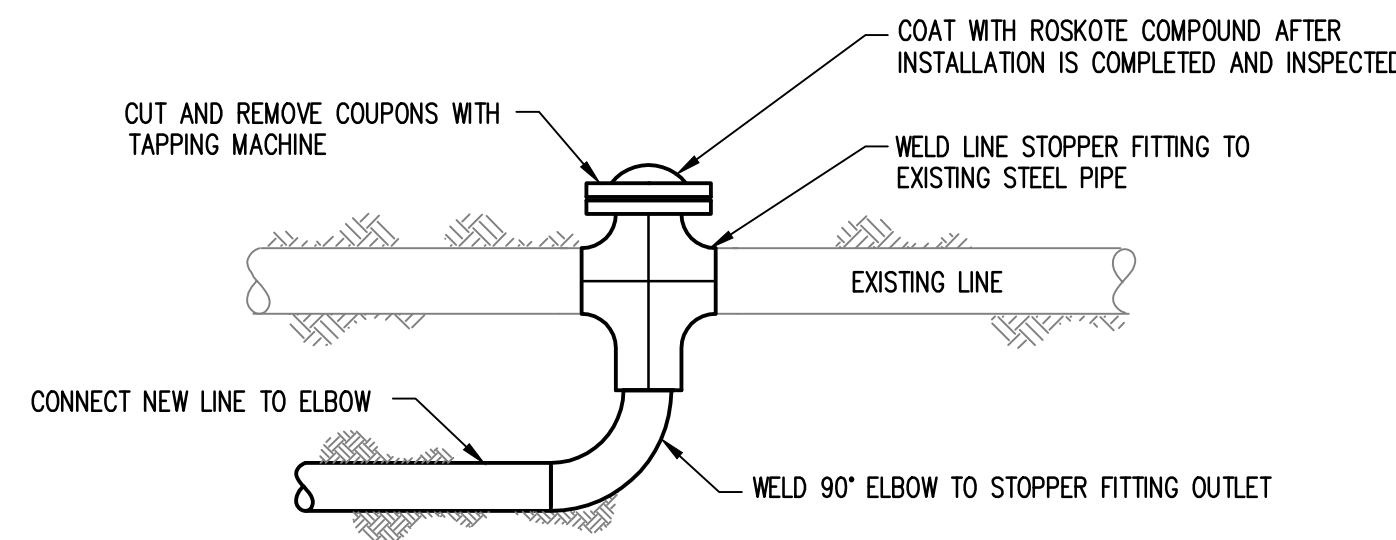
NOTES:

1. SEE PRODUCT SPECIFICATIONS FOR BACKFILL REQUIREMENTS.
2. "PIPE ZONE" EXTENDS 12" ABOVE THE TOP OF PIPE AND IS IN AN AREA THAT REQUIRES CAREFUL PLACEMENT AND COMPACTION TO PROTECT PIPE DURING AND AFTER INSTALLATION.
3. TRENCH WIDTH AT TOP OF PIPE SHALL BE A MINIMUM OF NOMINAL PIPE DIAMETER PLUS 24", UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. TRENCH SHALL BE EXCAVATED TO ALLOW FULL AND CONTINUOUS SUPPORT OF THE PROPOSED PIPE. ALL ROCK WITHIN 6" OF THE PROPOSED PIPE-BED SHALL BE REMOVED.
5. PIPE SHALL BE CONTINUOUSLY SUPPORTED ALONG THE LENGTH OF THE PIPE BARREL.
6. ALL BACKFILL MATERIAL SHALL BE CLEAN, FREE OF ORGANICS AND BOULDERS GREATER THAN 6" IN ANY DIRECTION. LIQUID LIMIT (LL) AND PLASTIC INDEX (PI) OF FILL MATERIAL SHALL NOT EXCEED 50 AND 30, RESPECTIVELY.
7. ALL FILL SHALL BE PLACED IN 8" LOOSE LIFTS AND COMPACTION TO 95% SPD OR OTHERWISE NOTED. EACH LIFT MAY BE TESTED BY THE OWNER'S GEOTECHNICAL REPRESENTATIVE. IF TESTED, EACH LIFT MUST PASS COMPACTION AND TESTING REQUIREMENTS BEFORE PLACEMENT OF SUCCESSIVE LIFTS.
8. ALL COSTS ASSOCIATED WITH EXCAVATING, BORROWING, HAULING, PLACING, AND COMPACTION SOIL (WHETHER FROM A BORROW SITE OR ON-SITE) SHALL BE INCLUDED IN THE BID PRICE ITEMS. ALL MATERIAL PROVIDED SHALL BE INSPECTED, TESTED AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
9. CONTRACTOR SHALL PROVIDE 6" OF TOPSOIL IN AREAS TO BE GRASSED.



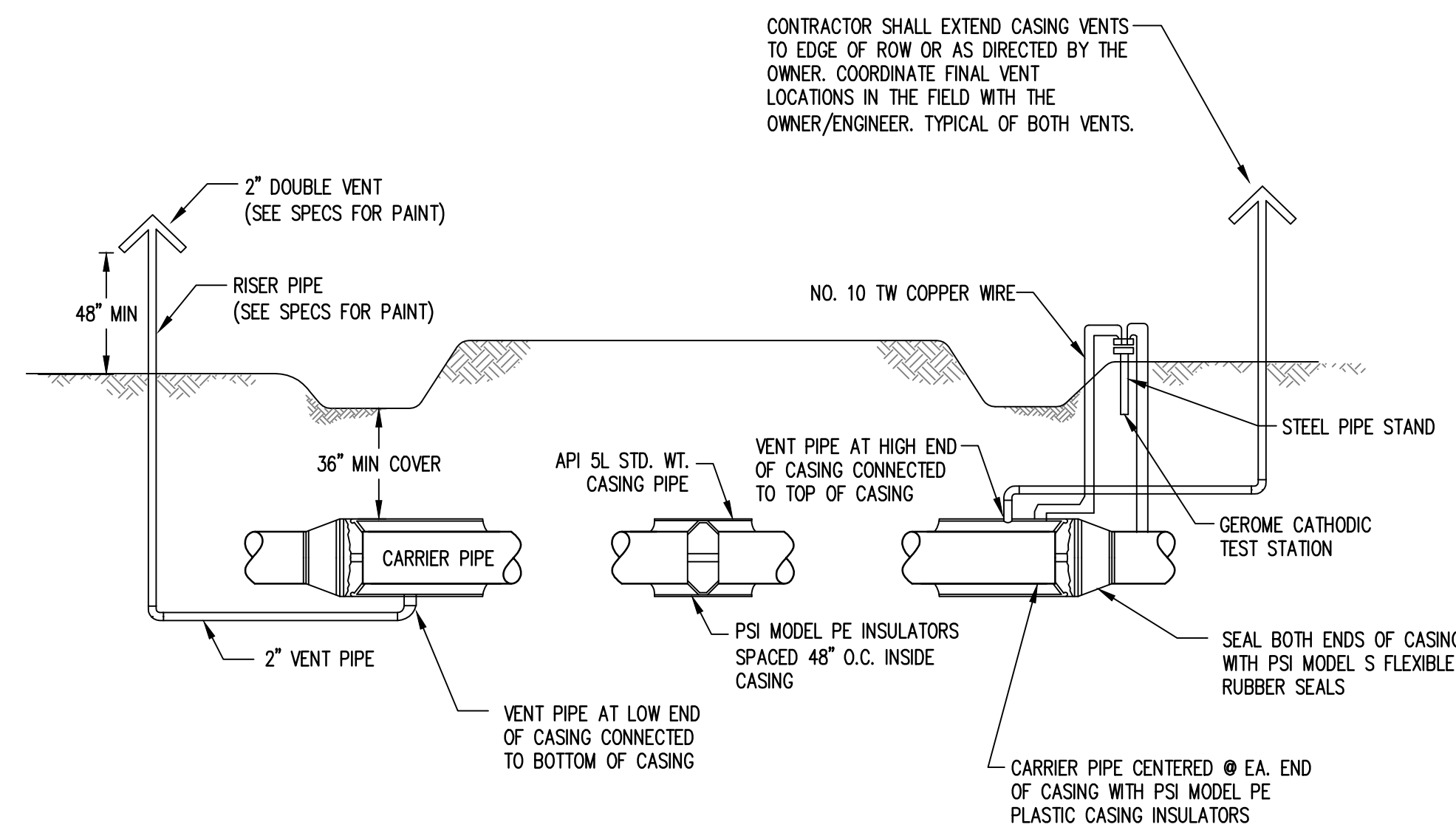
PIPE LAID IN ROCK TRENCH

SCALE: N.T.S.



HOT TAP MAIN CONNECTION

SCALE: N.T.S.



NOTES:

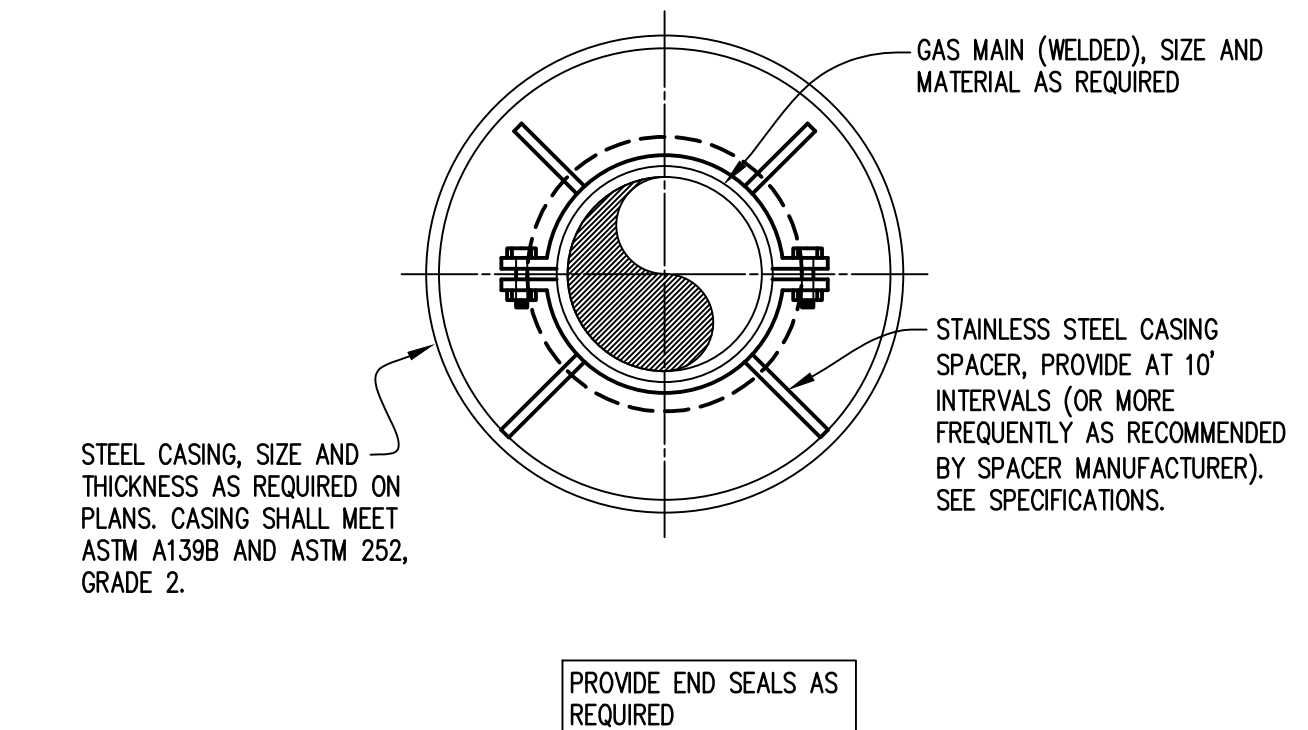
1. COST OF SEALS, INSULATORS, VENTS AND CATHODIC TEST STATION TO BE INCLUDED IN UNIT PRICE BID FOR CASING PIPE.
2. CONTRACTOR SHALL EXTEND CASING VENTS TO EDGE OF ROW OR AS DIRECTED BY THE OWNER. COORDINATE FINAL VENT LOCATIONS IN THE FIELD WITH THE OWNER/ENGINEER.

TYPICAL CASING DETAIL

SCALE: N.T.S.

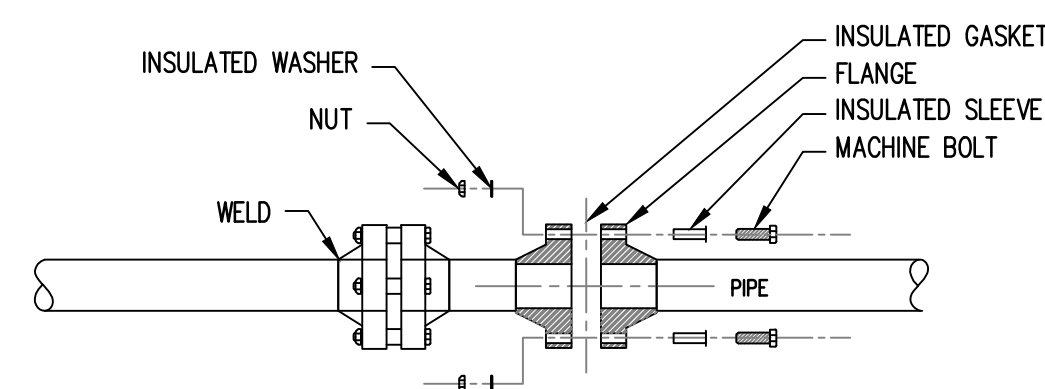
NOTES:

1. SPACERS SHALL PROVIDE RESTRAINT FROM MOVING.
2. ALL PIPE INSTALLED WITHIN CASINGS SHALL BE BRACED TO PREVENT SHIFTING OR FLOATATION DURING BACKFILLING OPERATIONS.



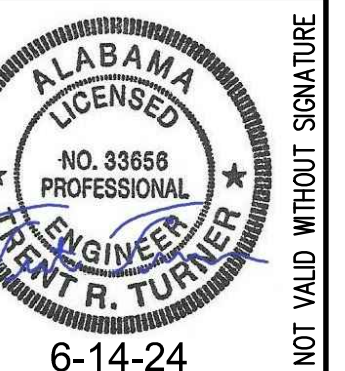
CASING SPACER DETAIL

SCALE: N.T.S.



FLANGE INSULATED

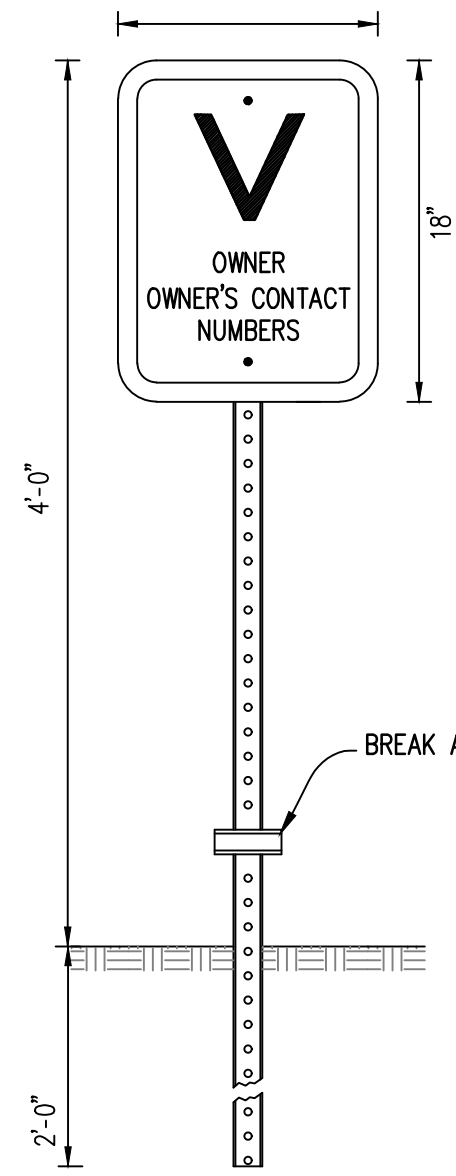
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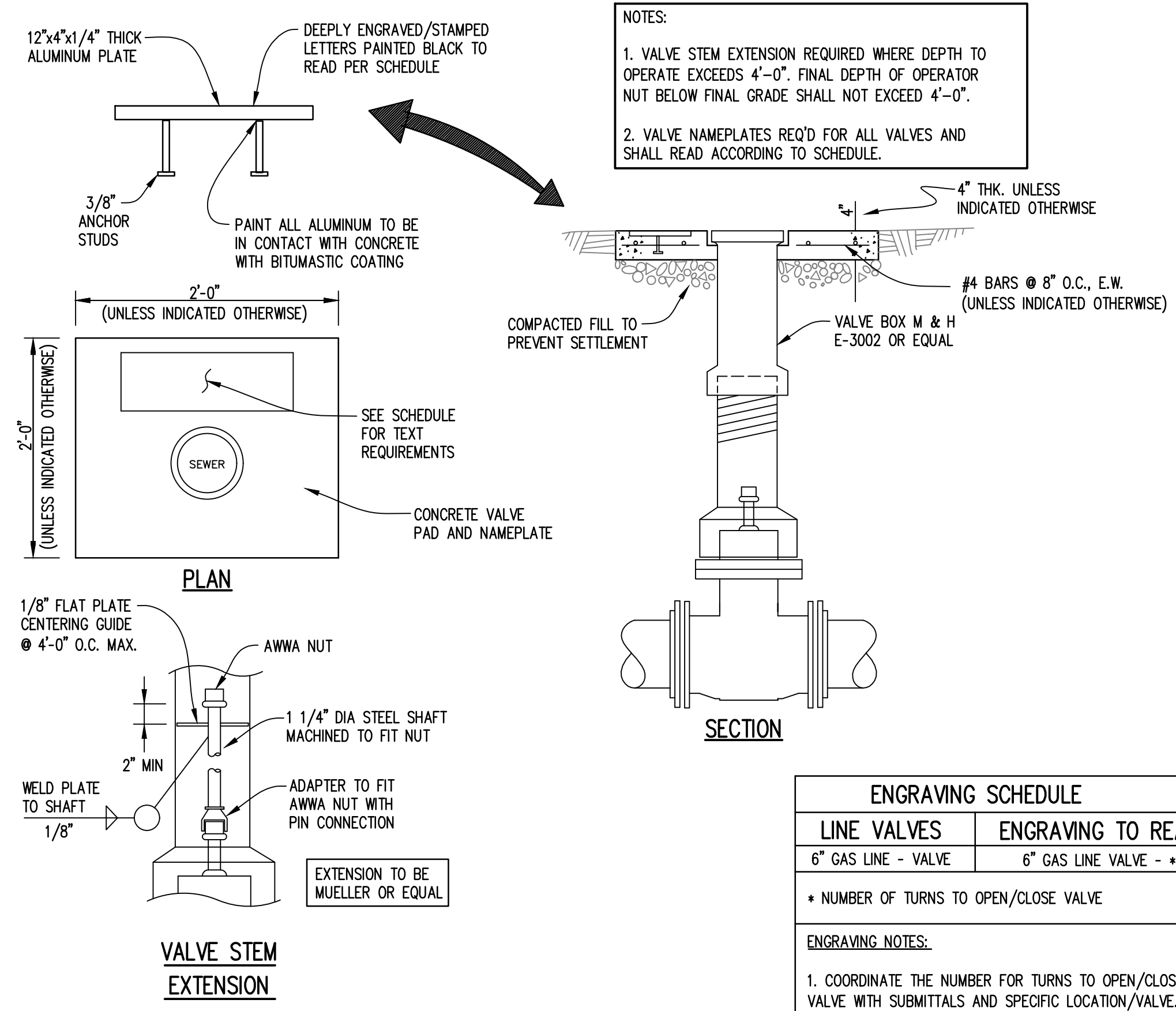
Title		STANDARD DETAILS		BID SET	
Drawing	Project No.	Date	Scale	Sheet	
	06-2024	AS SHOWN	5		



- NOTES:
1. VALVE MARKERS SHALL BE LOCATED AT EACH BURIED ISOLATION VALVE.
 2. THE SIGN SHALL BE BREAK AWAY STYLE AS APPROVED BY THE A.L.D.O.T.
 3. SIGN SHALL BE PLACED ON THE OPPOSITE SIDE OF THE VALVE FROM TRAFFIC.
 4. INFORMATION ON SIGN SHALL BE APPROVED BY OWNER.

TYP. METAL POST VALVE MARKER DETAIL

SCALE: N.T.S.

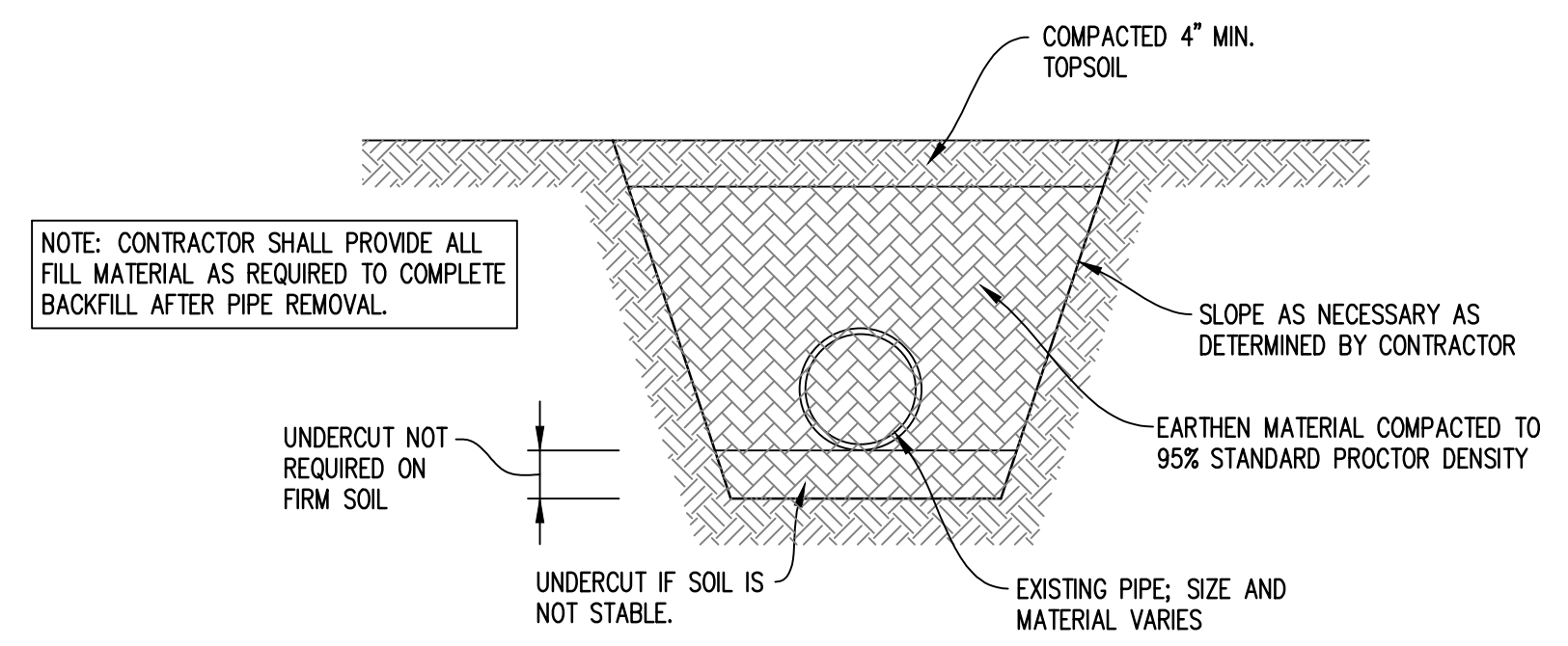


- NOTES:
1. VALVE STEM EXTENSION REQUIRED WHERE DEPTH TO OPERATE EXCEEDS 4'-0". FINAL DEPTH OF OPERATOR NUT BELOW FINAL GRADE SHALL NOT EXCEED 4'-0".
 2. VALVE NAMEPLATES REQ'D FOR ALL VALVES AND SHALL READ ACCORDING TO SCHEDULE.

ENGRAVING SCHEDULE	
LINE VALVES	ENGRAVING TO READ
6" GAS LINE - VALVE	6" GAS LINE VALVE - *
* NUMBER OF TURNS TO OPEN/CLOSE VALVE	
ENGRAVING NOTES:	
1. COORDINATE THE NUMBER FOR TURNS TO OPEN/CLOSE A VALVE WITH SUBMITTALS AND SPECIFIC LOCATION/VALVE. COORDINATE WITH ENGINEER DURING SUBMITTAL PROCESS. PROVIDE SUBMITTAL OF NUMBERING PLAN.	

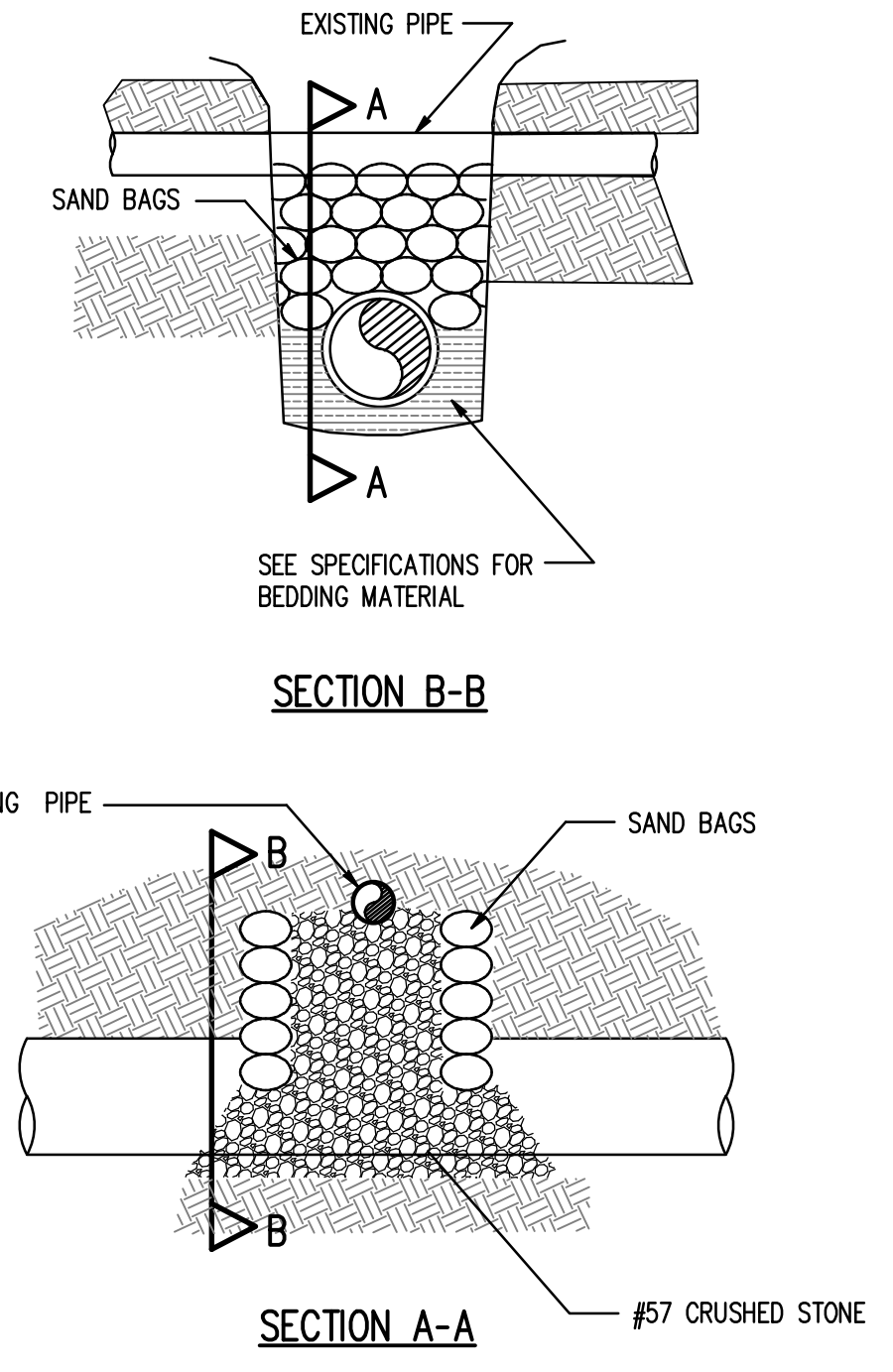
VALVE BOX DETAIL

SCALE: N.T.S.



TYPICAL SECTION FOR REMOVED PIPE

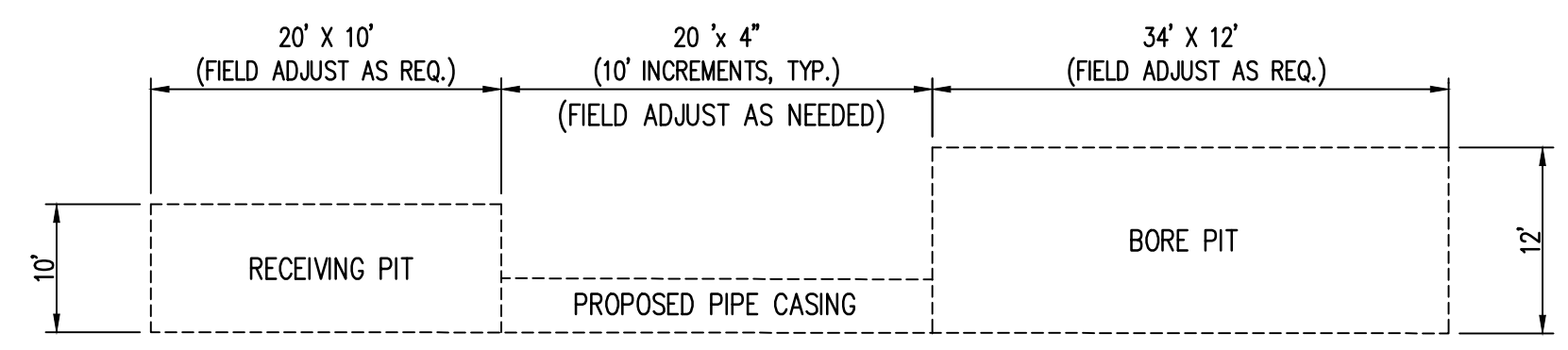
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TYPICAL METHOD OF PROTECTING UTILITIES OR OTHER PIPE CROSSINGS WHERE NOT LOCATED UNDER PAVING
ALL METHODS RESPONSIBILITY OF CONTRACTOR

EXISTING UTILITY PROTECTION

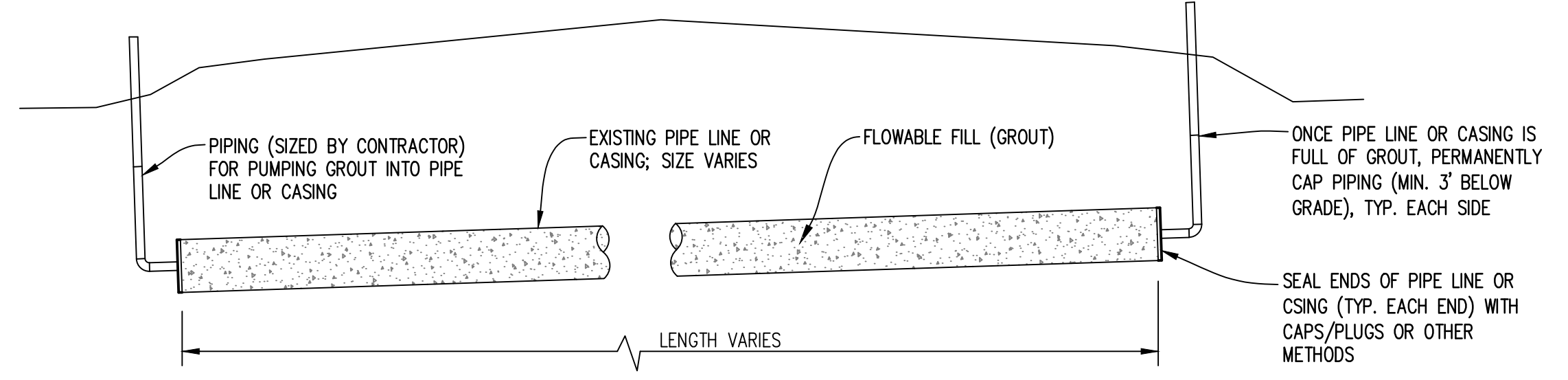
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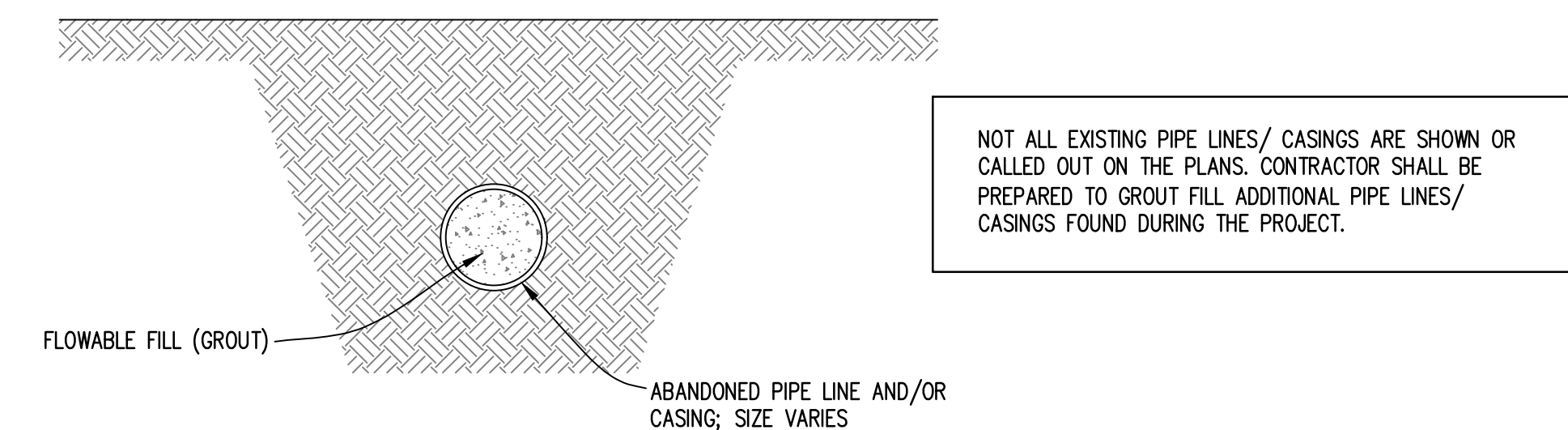
TYPICAL CASE & BORE / RECIEVING PIT DETAIL

PLAN VIEW

SCALE: N.T.S.



TYPICAL SECTION



SECTION

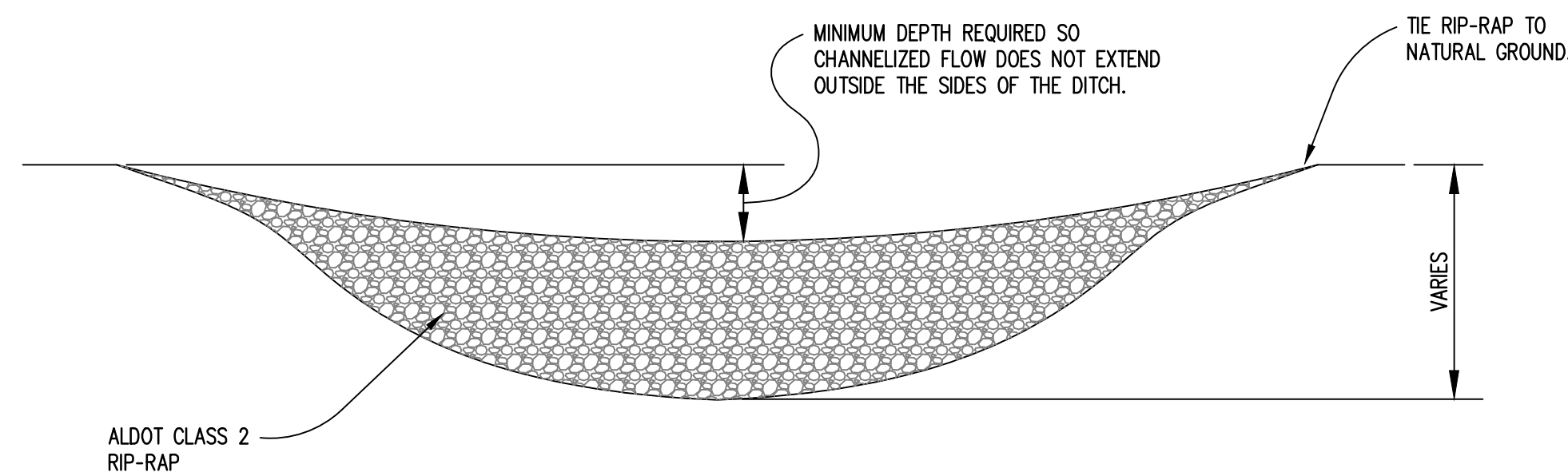
GROUT FILLED ABANDONED PIPELINE AND/OR CASING

SCALE N.T.S.



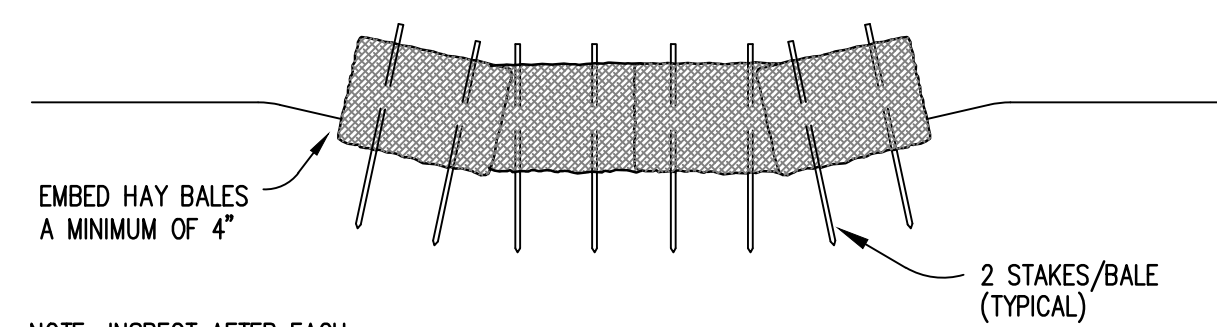
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	STANDARD DETAILS		
Project No.	06-2024	AS SHOWN	6
Date	AS SHOWN		
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RIP-RAP CHECK DAM DETAIL

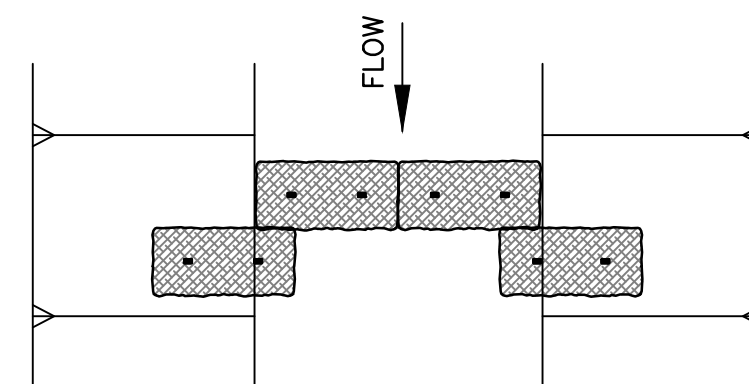
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NOTE: INSPECT AFTER EACH RAINFALL AND REMOVE ANY SEDIMENT DEPOSIT

SECTION

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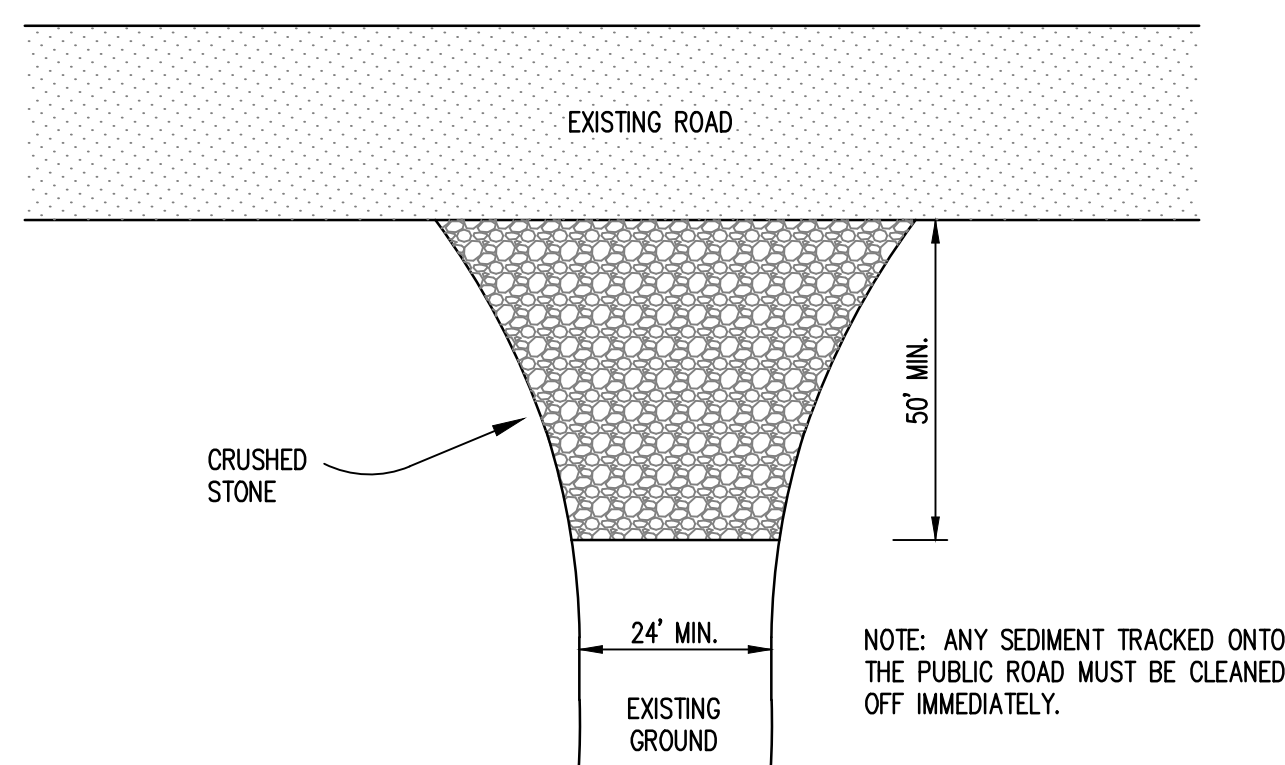


PLAN

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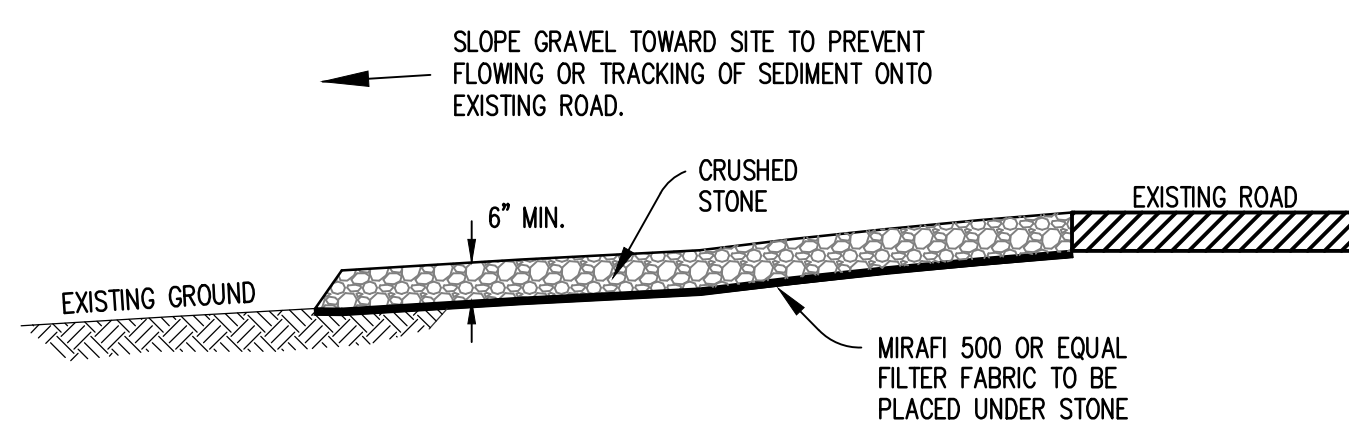
HAY BALE DITCH CHECK DETAIL

SCALE: N.T.S.



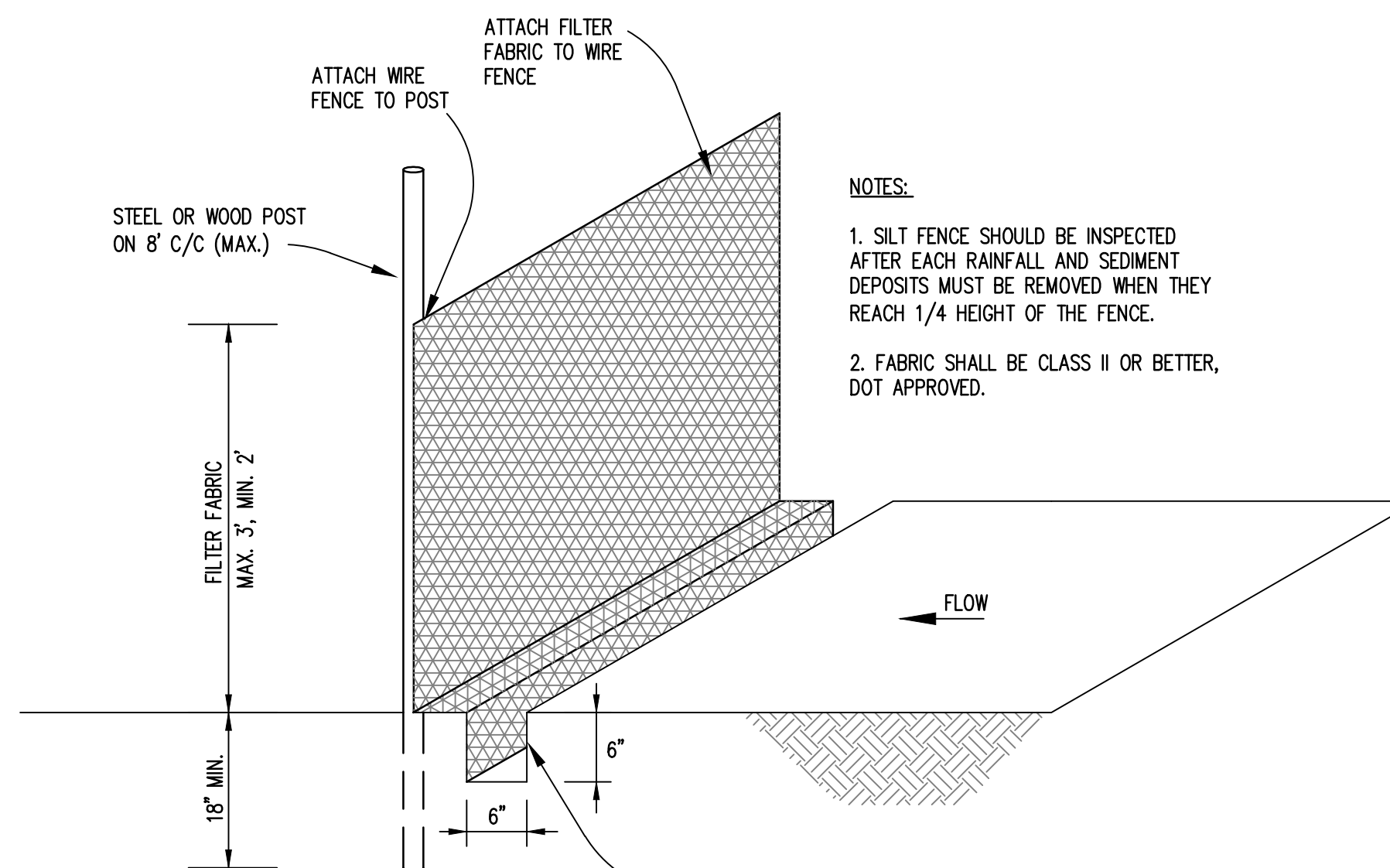
PLAN

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CONSTRUCTION ENTRANCE DETAIL

SCALE: N.T.S.



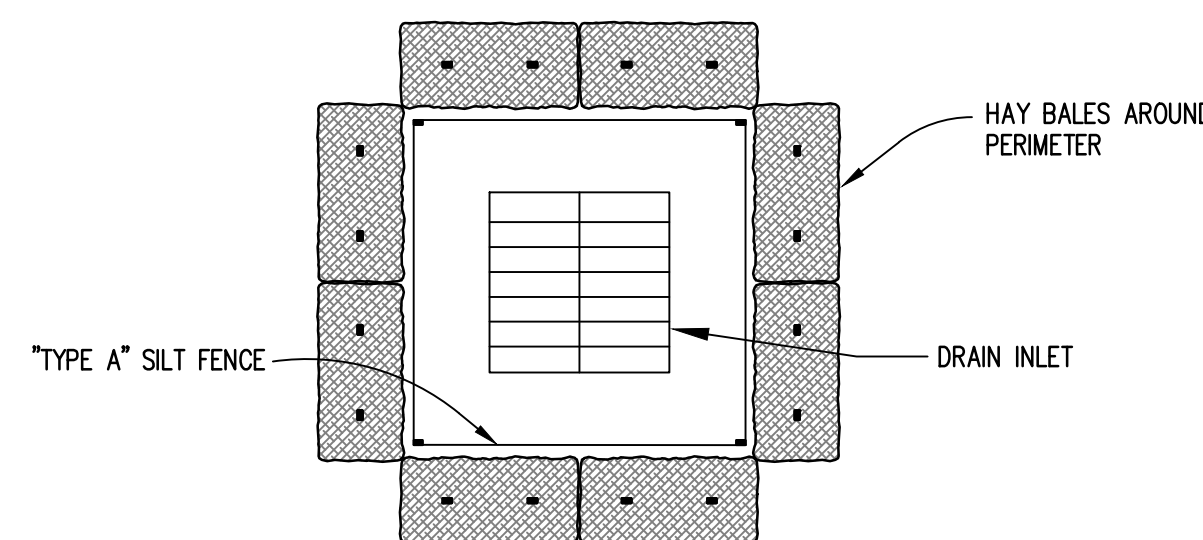
NOTES:

1. SILT FENCE SHOULD BE INSPECTED AFTER EACH RAINFALL AND SEDIMENT DEPOSITS MUST BE REMOVED WHEN THEY REACH 1/4 HEIGHT OF THE FENCE.

2. FABRIC SHALL BE CLASS II OR BETTER, DOT APPROVED.

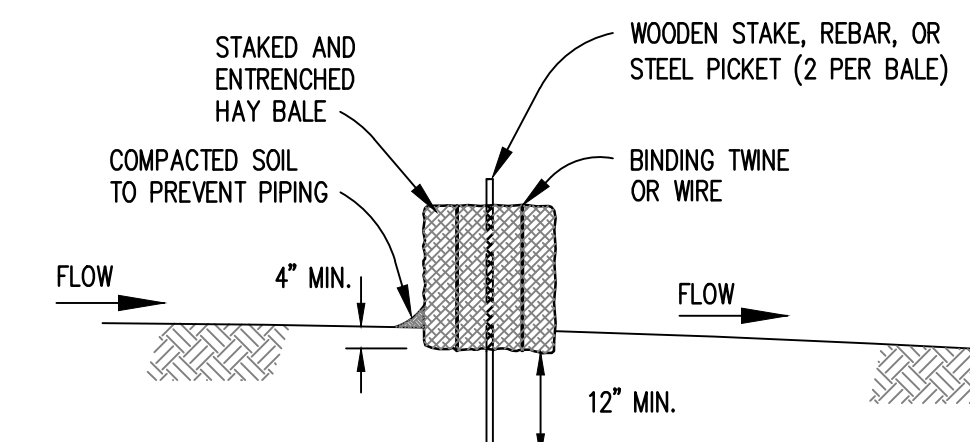
SILT FENCE DETAIL

SCALE: N.T.S.



INLET PROTECTION DETAIL

SCALE: N.T.S.



HAY BALE STAKING DETAIL

SCALE: N.T.S.

BMP GENERAL NOTES:

THE FOLLOWING REQUIREMENTS ARE TO BE CONSIDERED MINIMUM STANDARDS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN AN NPDES PERMIT FOR THE PROPOSED WORK AS REQUIRED BY THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM), BY BIDDING THE PROJECT, THE CONTRACTOR IS CERTIFYING THAT IF AWARDED THE CONTRACT, HE WILL BE THE SOLE PERMITEE ON THIS PERMIT AND THAT HE SHALL INDEMNIFY THE OWNER AGAINST AND SHALL BE SOLELY RESPONSIBLE FOR ANY FINES OR MONETARY DAMAGES ASSOCIATED WITH STORMWATER RUNOFF AND CONTROL.

1. THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES (BMP'S) FOR THE PREVENTION AND CONTROL OF NONPOINT SOURCES OF POLLUTANTS DURING AND AFTER PROJECT IMPLEMENTATION. THE CONTRACTOR, AT A MINIMUM, MUST IMPLEMENT BMP'S AS PROVIDED IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, & STORMWATER MANAGEMENT ON CONSTRUCTION SITES & URBAN AREAS, AS AMENDED, AND THE EPA STORMWATER POLLUTION PREVENTION FOR CONSTRUCTION ACTIVITIES-DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES, AS AMENDED. THE EROSION CONTROL DEVICES SHOWN ON THIS PLAN ARE A MINIMUM. ADDITIONAL DEVICES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER AS REQ'D TO PREVENT SILTATION, EROSION, & OTHER DEGRADATION OR POLLUTION TO SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, PUBLIC ROADWAYS, ETC.

2. SITE GRADING SHALL BE MAINTAINED SO THAT NO UPSLOPE DRAINAGE ENTERS EXCAVATED OR DISTURBED AREAS.

3. TO THE EXTENT PRACTICAL, THE CONTRACTOR SHALL SCHEDULE HIS ACTIVITIES TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME.

4. ALL STOCKPILE EXCAVATED MATERIAL SHALL BE GRASSED OR COVERED WITHIN 72 HOURS OF STOCKPIILING. GRASSING AND FERTILIZATION OF STOCKPILED SOILS SHALL BE AS PER THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, & STORMWATER MANAGEMENT ON CONSTRUCTION SITES & URBAN AREAS. SEED RATES SPECIFIED IN THE MANUAL SHALL BE DOUBLED.

5. CONTRACTOR SHALL AS A MINIMUM INSPECT STORMWATER CONTROLS ONCE EVERY TWO WEEKS AND FOLLOWING A 1/2" OR GREATER RAINFALL IN ANY 24 HOUR PERIOD. SILT FENCING SHALL ALSO BE CHECKED WHEN WIND GUSTS EXCEED 25 MPH. DEFICIENCIES FOUND IN STORMWATER CONTROLS SHALL BE CORRECTED IMMEDIATELY. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL INSPECTION ACTIVITIES.

6. THE CONTRACTOR SHALL INSTALL SILT FENCING AROUND THE PROJECT PERIMETER AS REQUIRED PRIOR TO COMMENCING PROJECT. IN THE EVENT THAT THE PROJECT REQUIRES TEMPORARY CHANNELIZATION OF STORMWATER RUNOFF, THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN APPROPRIATE BMP CONTROLS (SETTLING BASINS, CHECK DAMS, ETC.)

SHALL INSTALL SILT FENCING AROUND THE PROJECT PERIMETER AS REQUIRED PRIOR TO COMMENCING PROJECT. IN THE EVENT THAT THE PROJECT REQUIRES TEMPORARY CHANNELIZATION OF STORMWATER RUNOFF, THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN APPROPRIATE BMP CONTROLS (SETTLING BASINS, CHECK DAMS, ETC.)

7. PERMANENT VEGETATION OF ALL DISTURBED AREAS IS REQUIRED. ONCE ALL LAND DISTURBANCES HAVE CEASED & ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, EROSION CONTROL DEVICES SHALL BE REMOVED. SEE SPECIFICATIONS FOR GRASSING REQUIREMENTS.

8. A CONSTRUCTION ENTRANCE IS REQUIRED AT ALL ENTRANCE/EXITS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PUBLIC ROADWAYS IMMEDIATELY.

9. ALL DISTURBED AREAS LEFT INACTIVE FOR LONGER THAN 13 DAYS SHALL BE TEMPORARILY GRASSED OR COVERED TO PREVENT EROSION.

10. PERMANENT TURF REINFORCEMENT MATS ARE REQUIRED ON ALL SLOPES 2:1 OR STEEPER, AS WELL AS ALL DITCH LINES & SIDES.

11. BMP MEASURES MAY BE SHOWN OUTSIDE OF CONSTRUCTION LIMITS AND/OR RIGHTS OF WAY FOR CLARITY. CONTRACTOR SHALL NOT INSTALL BMP'S BEYOND PROJECT BOUNDARIES.

12. CONTRACTOR IS RESPONSIBLE FOR THE RENEWAL OF ALL NPDES PERMITS AS REQUIRED FOR THE PROJECT.

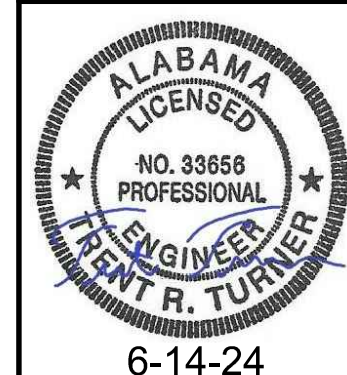
13. SEE SPECIFICATIONS FOR SEEDING REQUIREMENTS.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL OBTAIN AN "NPDES" PERMIT FOR THE SITE PRIOR TO CONSTRUCTION.

2. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE PROVISIONS OF THE "NPDES" PERMIT AND FOR PROVIDING EROSION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

3. CONTRACTOR SHALL MAINTAIN ALL "BMP'S" DURING CONSTRUCTION AND REMOVE ALL SEDIMENT AND EROSION CONTROL DEVICES FOLLOWING STABILIZATION.



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BAR = 1"

Title

BMP DETAILS

BID SET

Drawing

Project No.

Date

Scale

Sheet

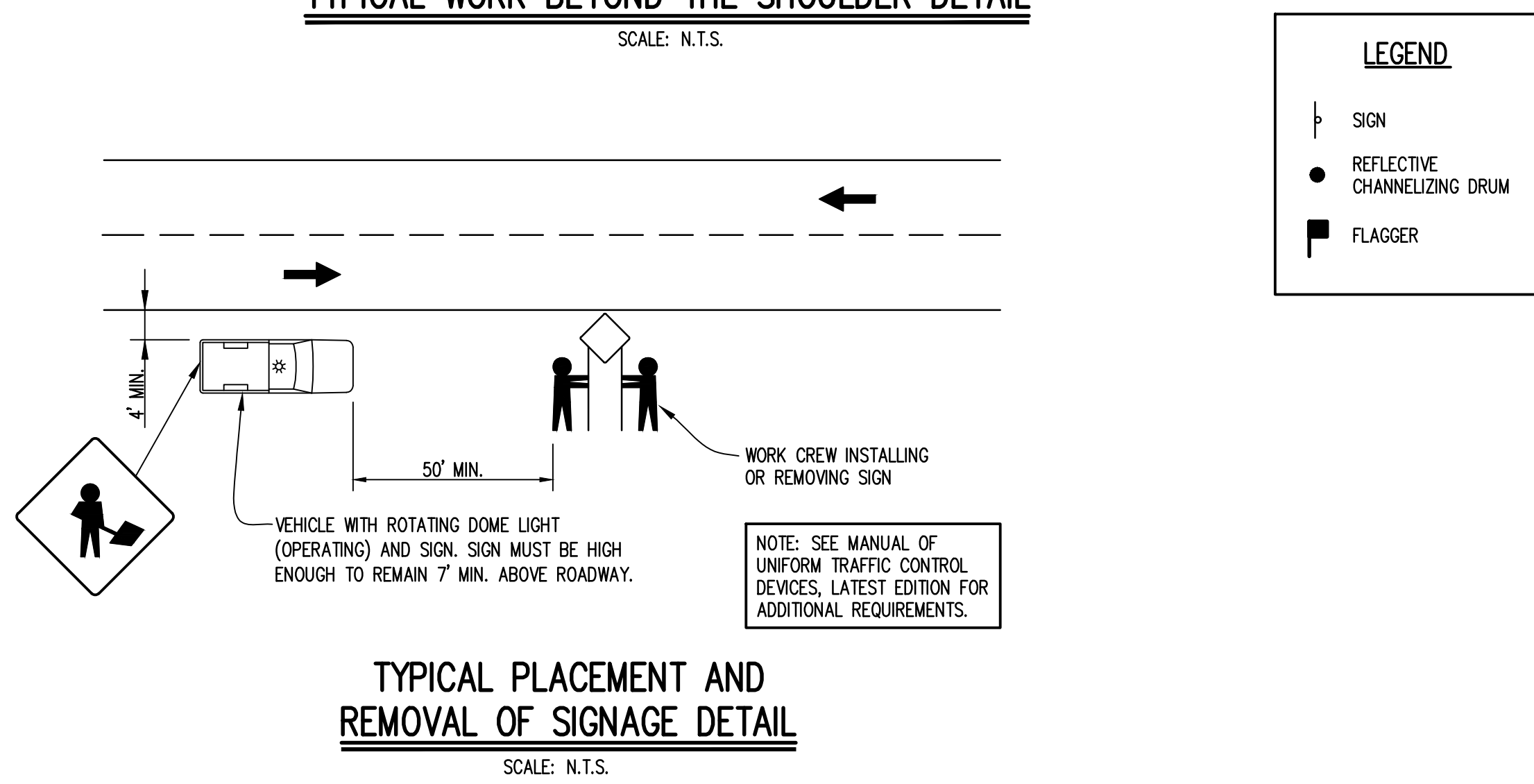
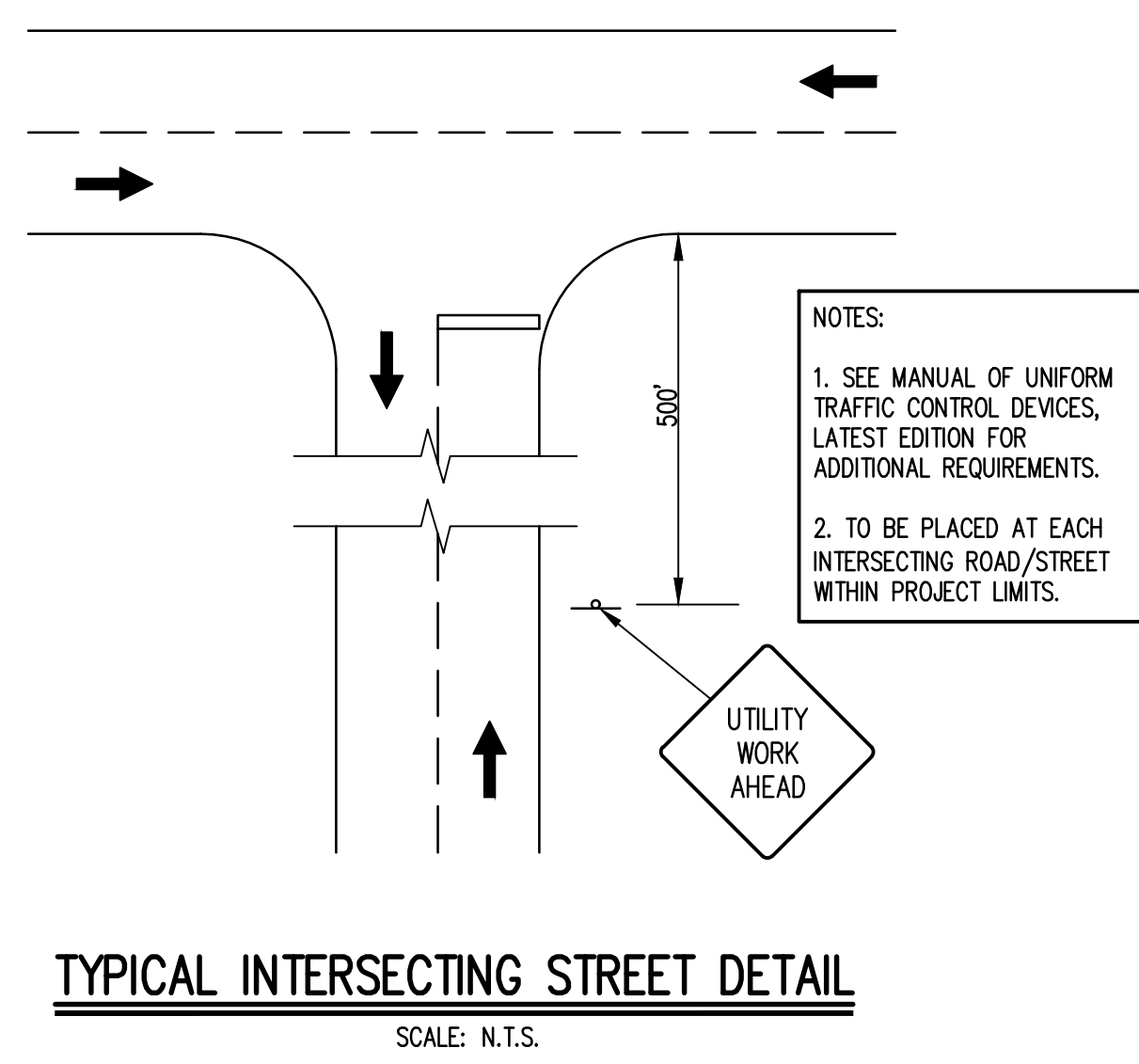
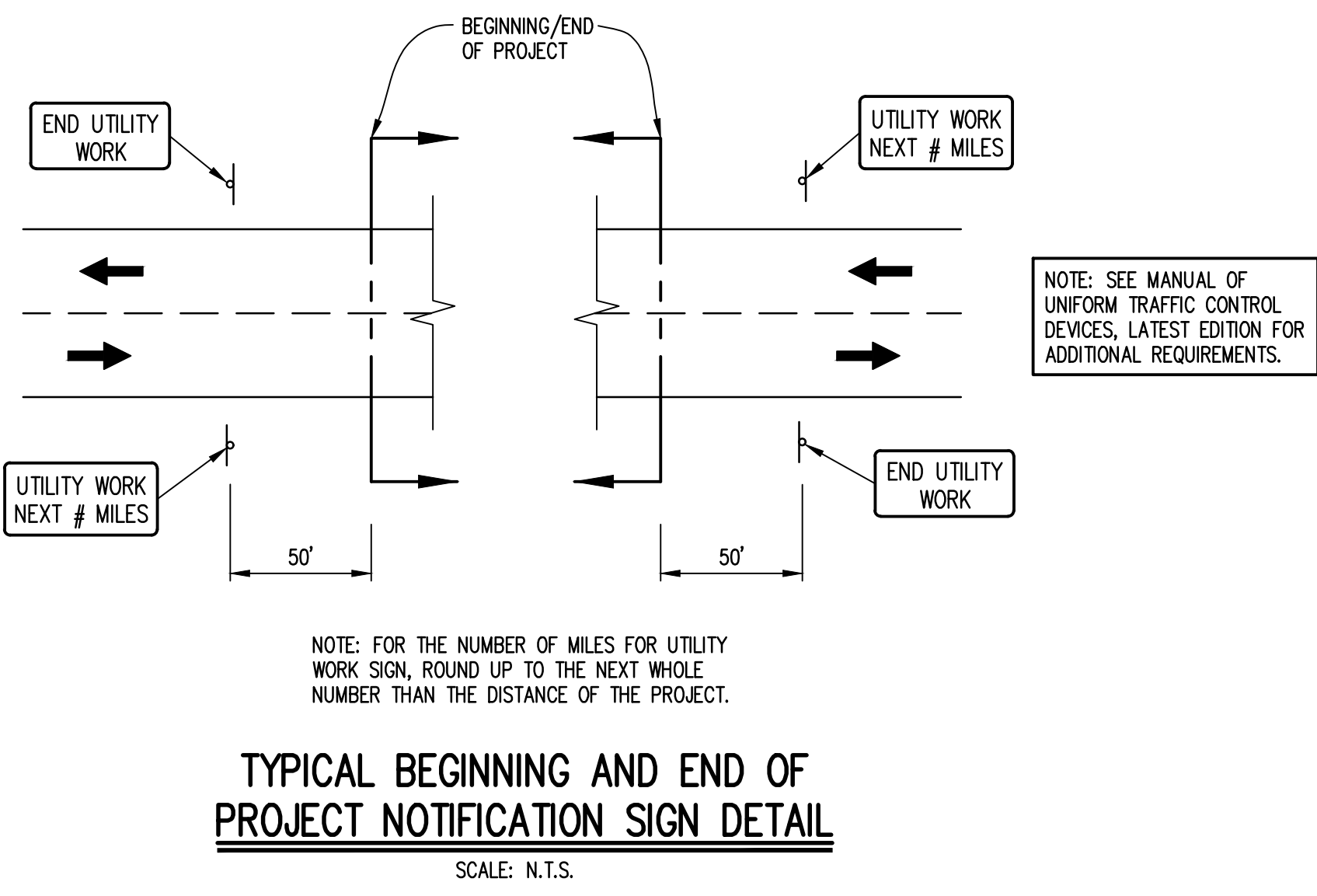
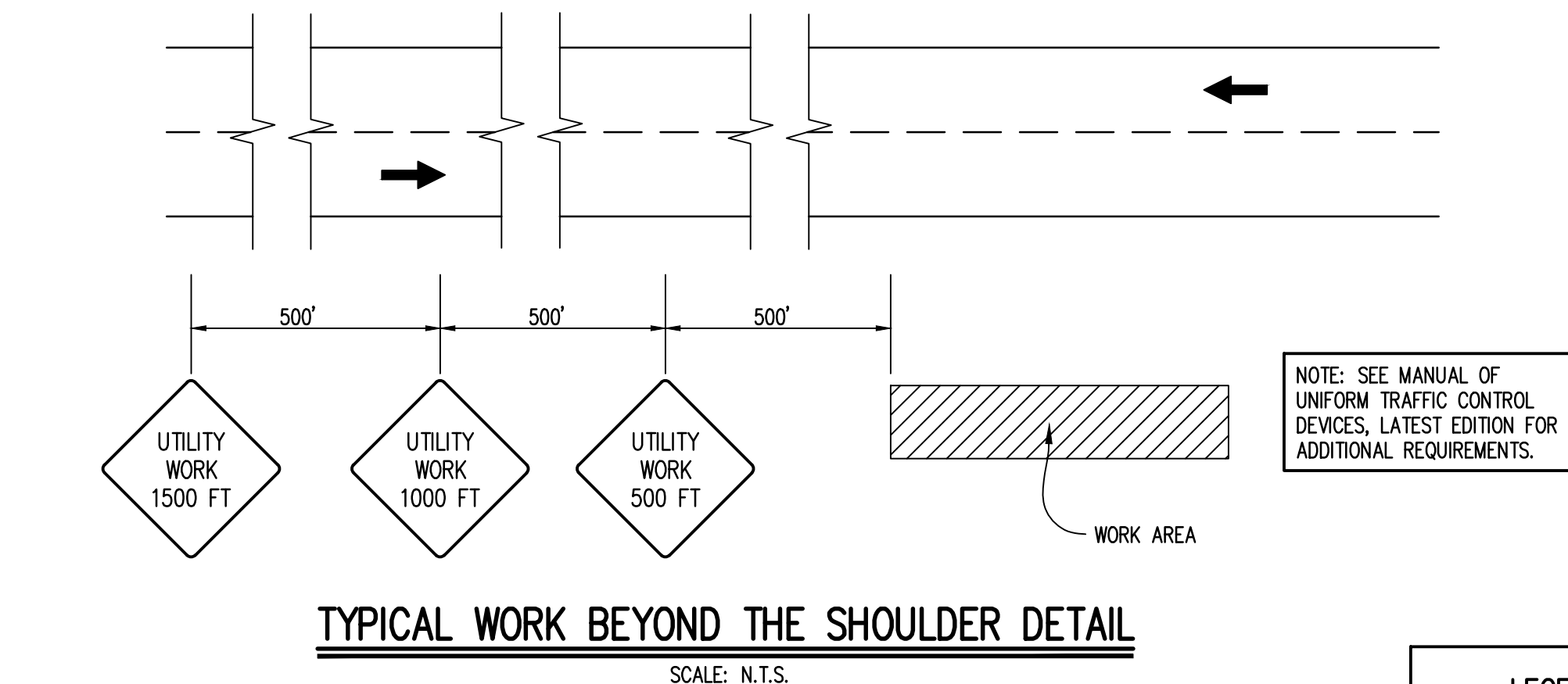
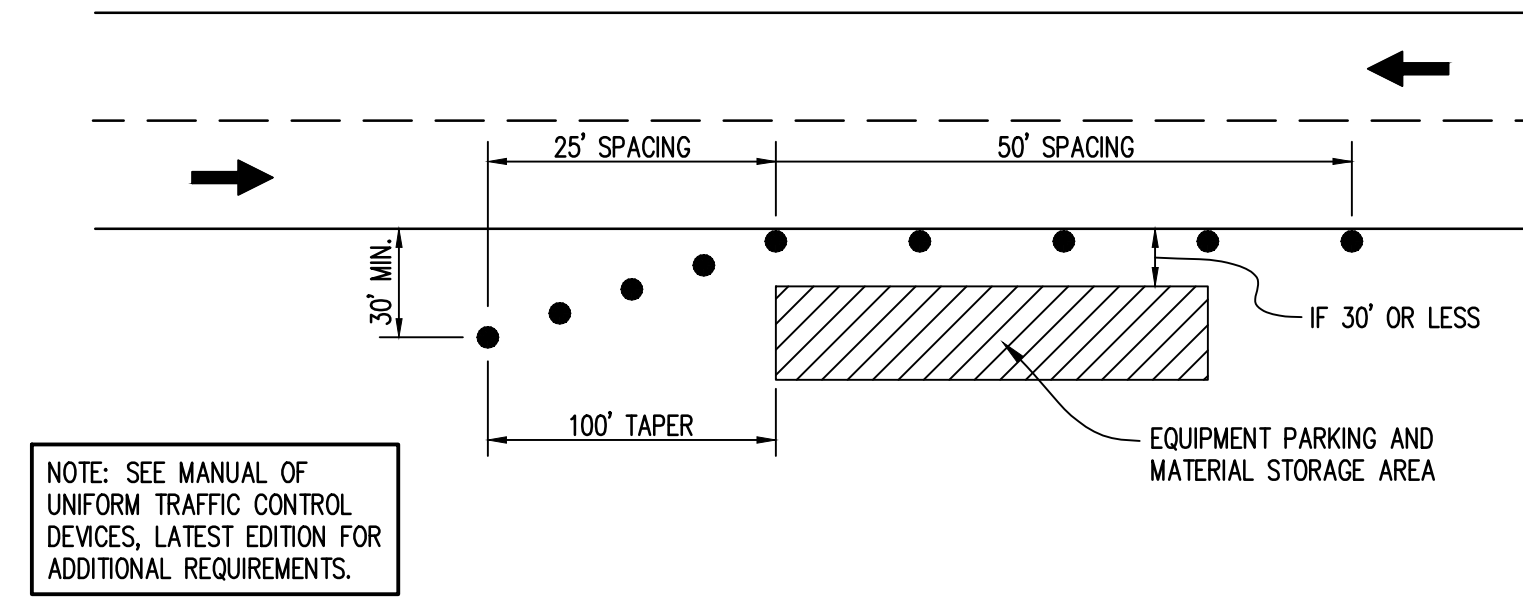
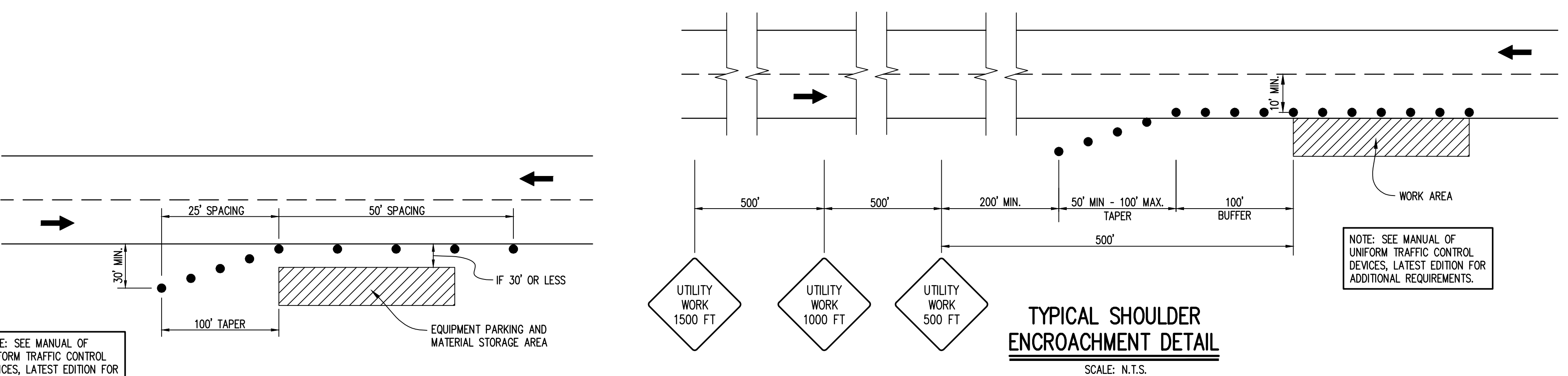
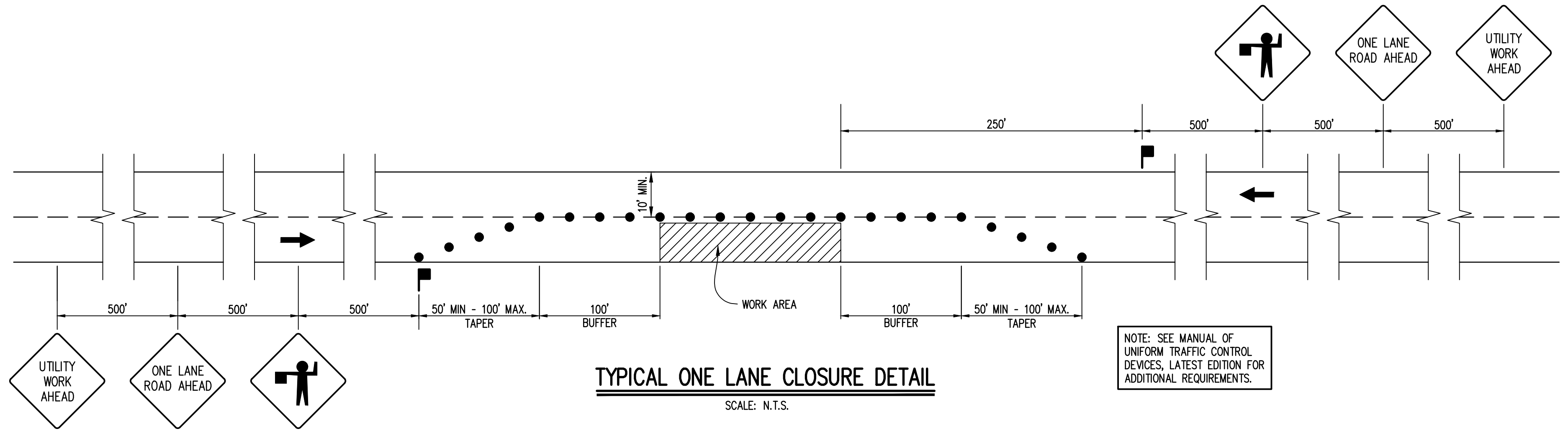
06-2024

AS SHOWN

7

TRAFFIC CONTROL NOTES:

1. NO ONE SET OF TEMPORARY TRAFFIC CONTROL (TTC) DEVICES CAN SATISFY ALL CONDITIONS FOR A GIVEN PROJECT OR INCIDENT. AT THE SAME TIME, DENYING DETAILS THAT WOULD BE ADEQUATE TO COVER ALL APPLICATIONS IS NOT PRACTICAL. INSTEAD, THESE DETAILS DISPLAY TYPICAL APPLICATIONS THAT DEPICT COMMON APPLICATIONS OF TTC DEVICES. THE TTC SELECTED BY THE CONTRACTOR FOR EACH SITUATION DEPENDS ON MANY FACTORS SUCH AS (BUT NOT LIMITED TO): THE TYPE OF HIGHWAY, ROAD USER CONDITIONS, DURATION OF OPERATION, PHYSICAL CONSTRAINTS, THE NEARNESS OF THE WORK SPACE OR INCIDENT MANAGEMENT ACTIVITY TO ROAD USERS, ETC. CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR DESIGNING, PLANNING AND COORDINATING ALL TRAFFIC CONTROL DETAILS AND THEIR SUCCESSFUL IMPLEMENTATION IN ACCORDANCE WITH THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) REQUIREMENTS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AS A MINIMUM.
2. THE CONTRACTOR SHALL PREPARE HIS OWN SPECIFIC DETAILED TTC PLAN, PREPARED BY PERSON(S) TRAINED AND CERTIFIED IN PROPER TTC PRACTICES AND PRINCIPLES. PLAN SHALL HAVE DETAILS OF PLANNED WORK AND TTC MEASURES TO BE EMPLOYED BASED ON THE CONTRACTOR'S PLANNED MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR'S PLAN SHALL BE SUBMITTED TO THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) FOR REVIEW AND APPROVAL BEFORE BEGINNING ANY WORK ON THE PROJECT. ANY CHANGES IN THE FINAL APPROVED TTC PLAN SHOULD BE APPROVED BY ALDOT.
3. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR SAFETY. THE ENGINEER IS NOT RESPONSIBLE FOR SAFETY. THE CONTRACTOR SHALL CONTINUOUSLY UTILIZE SAFETY PRACTICES THAT MAY BE NEEDED FOR FULL PROTECTION OF ALL PERSONS INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION PERSONNEL, THE OWNER'S PERSONNEL, FIELD ENGINEERS, INSPECTORS, THE GENERAL PUBLIC, ETC. ALL WORKERS SHALL CAREFULLY FOLLOW PROPER SAFETY PROCEDURES AT ALL TIMES.
4. ALL WORKERS SHOULD BE TRAINED ON HOW TO WORK NEXT TO MOTOR VEHICLE TRAFFIC IN A WAY THAT MINIMIZES THEIR VULNERABILITY. WORKERS HAVING SPECIFIC TTC RESPONSIBILITIES SHOULD BE TRAINED IN TTC TECHNIQUES, DEVICE USAGE, PLACEMENT, ETC.
5. TO PROVIDE ACCEPTABLE LEVELS OF OPERATIONS, ROUTINE AND FREQUENT DAY AND NIGHT INSPECTIONS OF TTC ELEMENTS SHOULD BE PERFORMED BY THE CONTRACTOR. INDIVIDUALS THE CONTRACTOR EMPLOYS FOR TTC SHOULD BE KNOWLEDGEABLE (FOR EXAMPLE, TRAINED AND/OR CERTIFIED) AND EXPERIENCED IN THE PRINCIPLES OF PROPER TTC AND SHOULD BE ASSIGNED RESPONSIBILITY FOR SAFETY IN TTC ZONES. THESE INDIVIDUALS SHOULD CHECK THAT ALL TTC DEVICES OF THE PROJECT ARE CONSISTENT WITH THE TTC PLAN; ARE EFFECTIVE FOR MOTORISTS, BICYCLISTS, PEDESTRIANS, AND WORKERS; MEET ALL SHELBY COUNTY ROADS AND TRANSPORTATION DEPARTMENT REQUIREMENTS; CONDUCT HAZARD ASSESSMENTS; DETERMINE WHETHER ENGINEERING, ADMINISTRATIVE, OR PERSONAL PROTECTION MEASURES SHOULD BE IMPLEMENTED; ENSURE CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AS A MINIMUM; ENSURE CONFORMANCE WITH OSHA REQUIREMENTS, ETC. THE CONTRACTOR SHALL PROPERLY AND CAREFULLY MAINTAIN ALL HIS TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
6. SPECIAL PLANS PREPARATION AND COORDINATION WITH HIGHWAY AGENCIES, LAW ENFORCEMENT AND OTHER EMERGENCY UNITS, UTILITIES, SCHOOLS, TRUCKING COMPANIES, INDUSTRIES, OSHA, ETC. MIGHT BE NEEDED TO ADDRESS SPECIAL, UNEXPECTED, OR UNUSUAL ROAD USER OPERATION SITUATIONS.
7. ALL PERSONS WHO ARE EXPOSED EITHER TO TRAFFIC OR WORK VEHICLES AND CONSTRUCTION EQUIPMENT WITHIN OR NEAR THE TTC ZONE SHALL ALWAYS WEAR HIGH VISIBILITY (AND HIGH REFLECTIVITY) SAFETY APPAREL AS SPECIFIED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AS A MINIMUM.
8. PROJECT NOTIFICATION SIGNS ARE REQUIRED AT EACH END OF THE SITE, STATING THE SPONSOR, TYPE OF CONSTRUCTION, START DATE, AND DURATION, PLACED A MINIMUM OF ONE WEEK IN ADVANCE OF COMMENCING CONSTRUCTION. SIGN AND PLACEMENT OF SIGN SHALL BE AS APPROVED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION.
9. CONSTRUCTION WARNING SIGNS SHALL BE PLACED 1500, 1000 AND 500 FEET IN ADVANCE OF THE WORK ZONE LIMITS ON STATE ROUTE 195 AND STATE ROUTE 5 AND ON EACH INTERSECTING STREET WITHIN THE PROJECT LIMITS. SIGNS AND PLACEMENT SHALL BE AS APPROVED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION.
10. ROADS MUST REMAIN OPEN AT ALL TIMES DURING THE ENTIRE CONSTRUCTION PROJECT. SINGLE LANE CLOSURES SHALL BE COORDINATED WITH THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) WHEN NECESSARY FOR CONSTRUCTION ACTIVITIES. THESE LOCATIONS AND PLANNED DETAILS SHOULD BE SHOWN IN THE CONTRACTOR'S TRAFFIC CONTROL PLANS SUBMITTED TO ALDOT. LANE CLOSURES ARE NOT ALLOWED AT NIGHT OR DURING THE MORNING AND AFTERNOON PEAK TRAVEL TIMES OR DURING PERIODS OF RAIN, ETC.
11. DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET FROM THE EDGE OF ANY ROADWAY CARRYING TRAFFIC IF POSSIBLE. CHANNELIZING DRUMS ARE TO BE LOCATED ALONG THE EDGE OF THE ROADWAY (SEE TYPICAL MATERIAL AND EQUIPMENT STORAGE DETAIL THIS SHEET) WHEN EQUIPMENT OR MATERIAL IS STORED LESS THAN 30' FROM ROADWAY. ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES, AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF 30 FEET FROM THE TRAVELED ROADWAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.
12. WHERE THE LOCATION OF A REQUIRED SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC., OR IN A NON-DESIRABLE LOCATION, OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, ETC., THE LOCATION SHALL BE ADJUSTED AS APPROVED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION.
13. WHEN FLAGGERS ARE REQUIRED TO BE USED THEY SHALL BE TRAINED, EXPERIENCED, AND MEET ALL REQUIREMENTS AND CAREFULLY FOLLOW ALL PROCEDURES OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AS A MINIMUM AND THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT). ALL HAND SIGNALING DEVICES AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE PER THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AS A MINIMUM AND ALDOT.
14. ALL TRAFFIC CONTROL DEVICES (SIGNS, SIGNALS, MARKINGS, CHANNELIZING DEVICES, LIGHTS, TEMPORARY TRAFFIC BARRIERS, AND OTHER DEVICES); THEIR PLACEMENTS; AND THEIR MAINTENANCE SHALL BE PER THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AS A MINIMUM AND THE ALABAMA DEPARTMENT OF TRANSPORTATION.
15. ANYTIME PIPE IS STRUNG OUT WITHIN 10 FEET OF THE ROAD, TRAFFIC DRUMS, ACCEPTABLE TO THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) ARE REQUIRED TO BE PLACED BETWEEN THE ROAD AND THE PIPE AT SPACING APPROVED BY ALDOT. THE TRAFFIC DRUMS SHALL BE PLACED SIMULTANEOUSLY WITH OR PRIOR TO THE PLACEMENT OF THE PIPE.
16. KEEP ALL GRAVEL, MUD, AND DIRT, ETC., CONTINUALLY AND EFFECTIVELY CLEANED FROM ALL ROADS AT ALL TIMES.
17. KEEP DEVICES AND REFLECTIVE SURFACES, ETC., CLEAN SO THEY CAN EFFECTIVELY SERVE THEIR PURPOSE.
18. IF THE PAVING OR ROAD IS DAMAGED BY THE CONTRACTOR, IT SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. NO PAVING OR ROAD SHALL BE LEFT OVERNIGHT IN A POTENTIALLY UNSAFE CONDITION, OR IN A CONDITION THAT MAY BECOME UNSAFE. ALL SUCH REPAIRS, AND THE TIMING FOR THE REPAIRS, SHALL BE TO THE SATISFACTION OF THE OWNER AND THE ALABAMA DEPARTMENT OF TRANSPORTATION.



LEGEND

- SIGN
- REFLECTIVE CHANNELIZING DRUM
- FLAGGER

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THE CITY OF ALEXANDER CITY
ALDOT #BR-0063(607)
NATURAL GAS RELOCATIONS ON STATE ROUTE 63
BID #24-20
2024

ALABAMA LICENSED PROFESSIONAL ENGINEER
TERRY R. TURNER
6-14-24
NOT VALID WITHOUT SIGNATURE

BAR = 1"

Title		TRAFFIC CONTROL DETAILS		BID SET	
Drawing	Project No.	Date	Scale	Sheet	
	06-2024	AS SHOWN	8		