

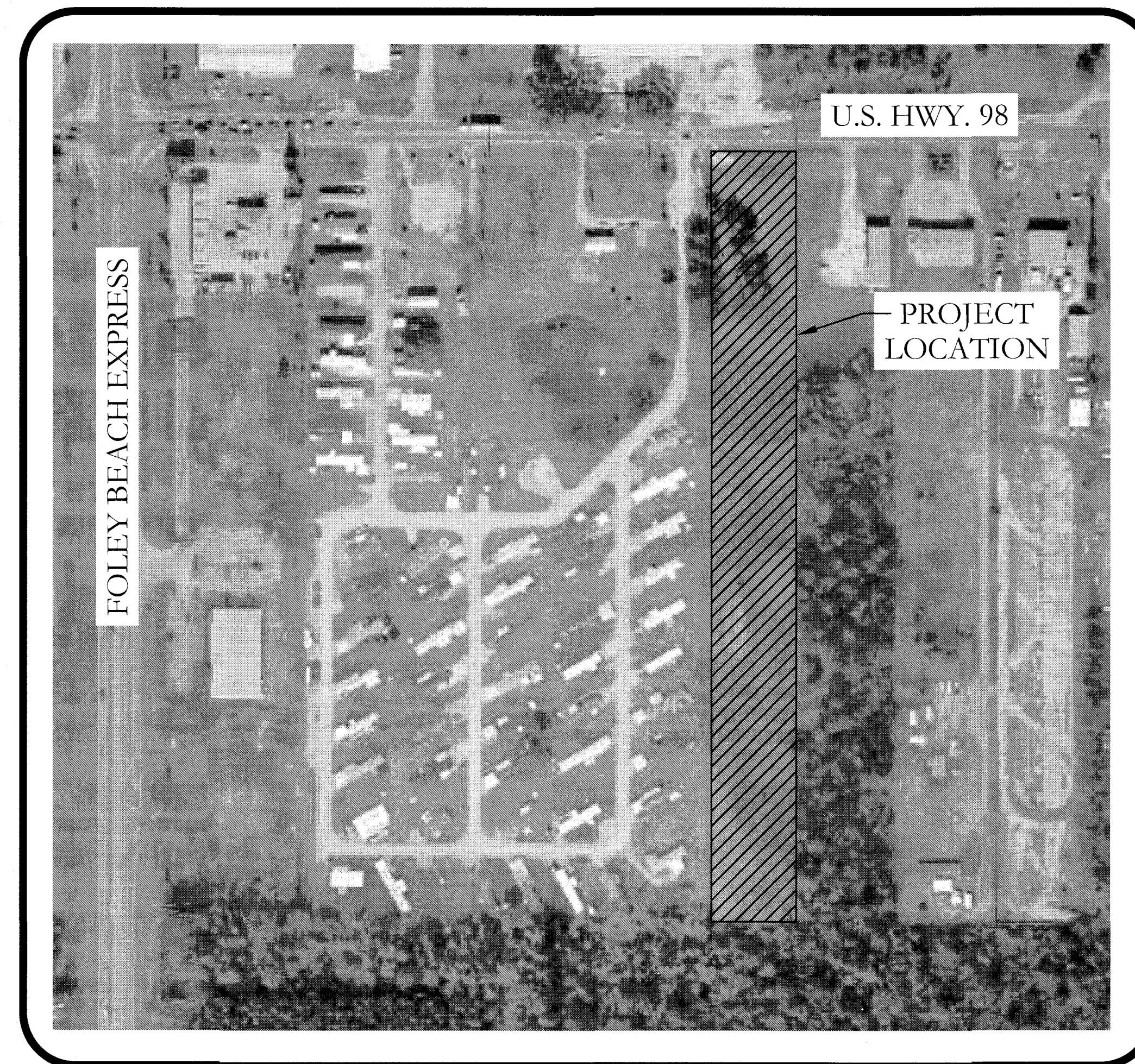
COX POOLS

U.S. HWY. 98
FOLEY, ALABAMA 36535

CONSTRUCTION DRAWINGS

DECEMBER, 2023

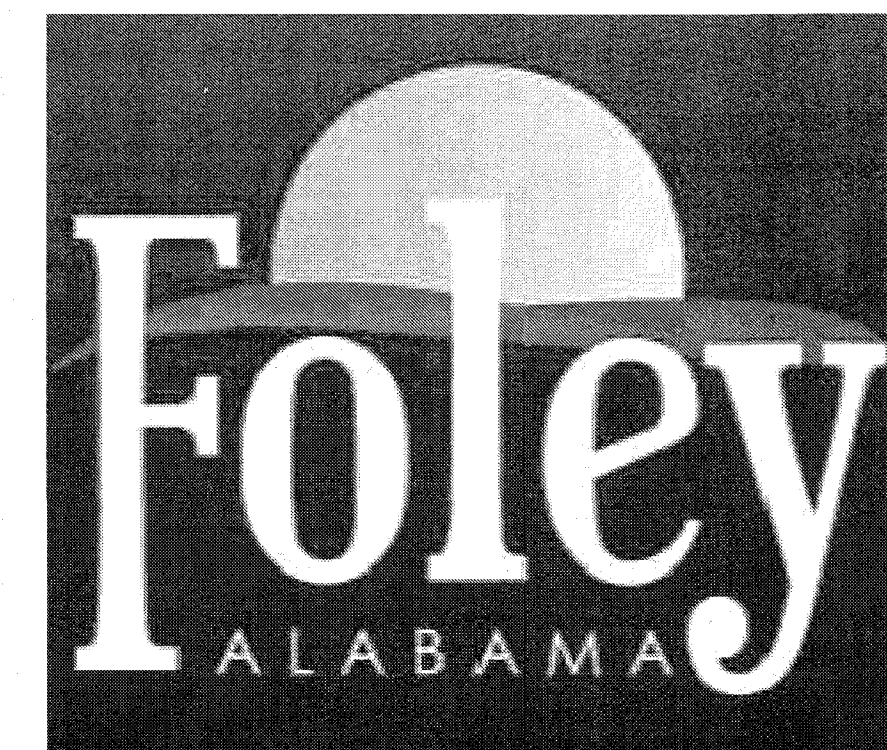
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VICINITY MAP

PREPARED BY:

Pillar

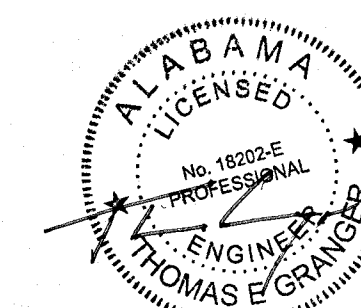


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CHARLES J. EBERT III	DISTRICT 5

MAYOR

HONORABLE RALPH HELLMICH



ENGINEER OF RECORD

CITY ENGINEER

12/8/2023
DATE

DATE

UTILITY PLAN NOTES

1. THE CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER'S CONSTRUCTION SURVEILLANCE REPRESENTATIVE AND LOCAL JURISDICTIONAL INSPECTOR 48 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
3. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLAN.
4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
5. THE CONTRACTOR IS REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS, HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. CONTRACTOR TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE.
7. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING AND COMPACTED SUB-GRADE.
8. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES.
9. THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE BY HIS EQUIPMENT TO EXISTING UTILITIES, CROSS-DRAIN PIPES AND HEADWALLS.
10. THE CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND PIPING.
11. ALL EXCESS MATERIAL FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING PIPE FROM FLOATING. IF PIPE FLOATS DURING CONSTRUCTION, THE CONTRACTOR SHALL RELAY PIPE TO GRADE AT HIS EXPENSE.
13. ALL PROPERTY LINE MARKERS (IRON PINS, CONCRETE MONUMENTS, ETC.) DESTROYED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF ALABAMA TO RESET PROPERTY MARKERS. THE COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
14. THE CONTRACTOR SHALL MEET OR EXCEED ALL REQUIREMENTS OF RIVIERA UTILITIES CONSTRUCTION SPECIFICATIONS.

GRADING AND DRAINAGE NOTES

1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
2. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.
3. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
4. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
5. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ATM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL FILL MATERIAL TO BE UTILIZED ON THE PROJECT SHALL BE FREE OF ORGANIC OR OTHERWISE DELETERIOUS MATERIALS AND COMPACTED TO MINIMUM DRY DENSITIES CORRESPONDING TO 95% OF MAXIMUM DRY DENSITY AS OBTAINED BY STANDARD PROCTOR, ASTM D698 AND AT LEAST 98% OF STANDARD PROCTOR WITHIN 1 FOOT BELOW PAVEMENT SUB-GRADE. FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES IN COMPACTED FILL THICKNESS. A REPORT FROM A GEO-TECHNICAL ENGINEER WILL BE REQUIRED BY THE LOCAL JURISDICTIONAL INSPECTOR.
7. MAXIMUM SLOPE OF EMBANKMENT SHALL BE 3.0 FEET HORIZONTAL TO 1.0 FOOT VERTICAL, OR MATCH EXISTING.
8. PROPOSED CONTOUR INTERVALS ARE AS LABELED. ALL PROPOSED CONTOURS ARE FINISHED GRADES.
9. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE-GRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
10. EXCESS EARTH CUT MATERIAL, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.
11. ALL STORM DRAINAGE PIPE SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO VISIBLE BENDS AT JOINTS.
12. ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE METAL FRAME AND COVER FOR ACCESS.
13. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
14. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
15. CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL FROM LIMITS OF ROADWAY CONSTRUCTION AS DIRECTED BY AN INDEPENDENT GEO-TECHNICAL ENGINEER. UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP MUST BE PLACED AS SHOWN TO CONTROL EROSION.
2. SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.
3. DISTURBED AREAS SHALL BE VEGETATED AFTER CONSTRUCTION. USE TEMPORARY SEASONAL SEEDING AND MULCHING ON GOING AS PER ALDOT STANDARD SPEC. SECTIONS 652 AND 656 RESPECTIVELY AND USE CENTIPEDE SOD FOR PERMANENT GRASSING AS PER ALDOT STANDARD SPEC. SECTION 654.
4. ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.
5. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
- A. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
- B. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.
6. FOR ALL CONSTRUCTION ALONG AND/OR ACROSS WATERWAYS, BANK PROTECTION AND STABILIZATION SHALL BE REQUIRED AS PER LOCAL JURISDICTIONAL EROSION LAWS.
7. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED. CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED BY THE CONTRACTOR AT CONSTRUCTION ACCESS POINTS PRIOR TO LAND DISTURBANCE.
8. A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
9. CONSTRUCT SILT FENCE ALONG THE DOWNSTREAM SIDE OF ALL PROPOSED FILL CONSTRUCTION.
10. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
11. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
12. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE UTILIZED FOR EROSION CONTROL. IN THE DETENTION POND, SILT SHALL BE REMOVED WHEN A DEPTH OF 18" HAS ACCUMULATED AT THE WEIR.
13. ALL EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION IN ACCORDANCE WITH EASEMENT PLATS PRIOR ACCEPTANCE.
14. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.

15. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
16. TREE PROTECTION AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
17. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.
18. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
19. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS POSSIBLE WITH SEASONAL TEMPORARY SEEDING AND MULCHING AS PER ALDOT STANDARD SPEC. SECTIONS 652 AND 656.
20. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
21. GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH GRASS IN KIND. IN AREAS OF INDECIIPHERABLE GRASSES USE CENTIPEDE SOD FOR PERMANENT GRASSING AS PER ALDOT STANDARD SPEC. SECTION 654.
22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES.
23. IF HEAVY RAINFALL IS PREDICTED, CONTRACTOR SHALL INSPECT EROSION CONTROL ITEMS WITH ENGINEER PRIOR TO EVENT, IF AT ALL POSSIBLE. ANY IMPROVEMENTS, CLEANING, OR ADJUSTMENTS THAT ARE REQUIRED PRIOR TO EVENT SHALL BE GIVEN FULL URGENCY AS MUCH IS POSSIBLE.

SITE NOTES

1. ALL CONCRETE SHALL BE CLASS A, 3,000 PSI AT 28 DAYS COMPRESSIVE STRENGTH WITH A MAXIMUM SLUMP OF 4" UNLESS NOTED OTHERWISE. ALL EXPOSED CONCRETE TO HAVE A FINE BROOM FINISH.
2. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER OR TENANT.
3. ALL DIMENSIONS ARE FACE OF CURB OR AS NOTED.
4. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. THE PROJECT WILL REQUIRE ROAD CLOSURE/ TRAFFIC CONTROL SCHEME.
5. SPECIAL CARE SHALL BE GIVEN WHILE WORKING NEAR PRIVATE RESIDENCES. ANY DAMAGES TO OR ADJACENT TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

ON-SITE CONTACT:
ENGINEER: THOMAS E. GRANGER, P.E.
(251) 295-6921 (CELL)

SITE DATA:

TYPE OF BUSINESS: DRIVEWAY /
UTILITY PERMIT

ZONING: GENERAL BUSINESS

SIGHT DISTANCE EXCEEDS THE DESIGN
STOPPING SITE DISTANCE OF 500'
EASTH AND GREATER THAN 500' WEST.

POSTED SPEED LIMIT 45 MPH.

NUMBER:	REVISION:	DATE:	Pillar		PROJECT NOTES		SCALE: N.T.S.
					COX POOLS		DATE: 11-27-2023
					U.S. HWY. 98, FOLEY, ALABAMA		DRAWN BY:
							CHECKED BY: T.G.
							SHEET: 2 OF 11

SPEED
LIMIT
45

Parcel Number: 05-54-07-26-0-000-027.012
PIN: 120258
Owner Name: STATON PROPERTIES L L C
Address: 4165 LADY BANK ST
City: GULF SHORES
State: AL
Zip: 36542

Parcel Number: 05-54-07-26-0-000-027.013
PIN: 120260
Owner Name: L & V INC
Address: 65 JUNIPER CT
City: DOTHAN
State: AL
Zip: 36305

Parcel Number: 05-54-07-26-0-000-027.000
PIN: 37764
Owner Name: MALLARD POINT L L C
Address: 17693-B DRY BRANCH RD
City: SUMMERDALE
State: AL
Zip: 36580

L&V INC.
5.00 Acres±

NOTE:
SHOULDER WIDTH, SLOPE AND DITCH
FRONT SLOPE ALONG U.S. HWY. 98
SHALL BE MAINTAINED & SODDED.

NOTE: NO DRAINAGE OR RUNOFF IS DIRECTED
TOWARDS A.L.D.O.T. R/W.

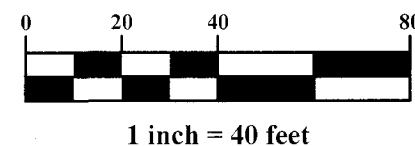
NOTE: TOPSOIL IS TO BE 4" ON ALL
DISTURBED AREAS WITHIN ALDOT ROW.

NOTE: SOLID SOD ALL DISTURBED AREAS
WITHIN THE R/W.

LEGEND

- EXIST POWER POLE
- EXIST GUY WIRE
- EXIST OVERHEAD POWER
- EXIST WATER VALVE
- EXIST FIRE HYDRANT
- EXIST WATER-LINE
- EXIST SEWER MARKER
- EXIST SEWER MH
- EXIST SEWER-LINE
- EXIST GAS MARKER
- EXIST GAS VALVE
- EXIST GAS-LINE
- EXIST DRAINAGE PIPE
- R/W RIGHT OF WAY
- EOP EDGE OF PAVEMENT
- CL CENTER LINE

GRAPHIC SCALE



Pillar

EXIST. CONDITIONS

COX POOLS

U.S. HWY. 98, FOLEY, ALABAMA

SCALE: 1"=40'

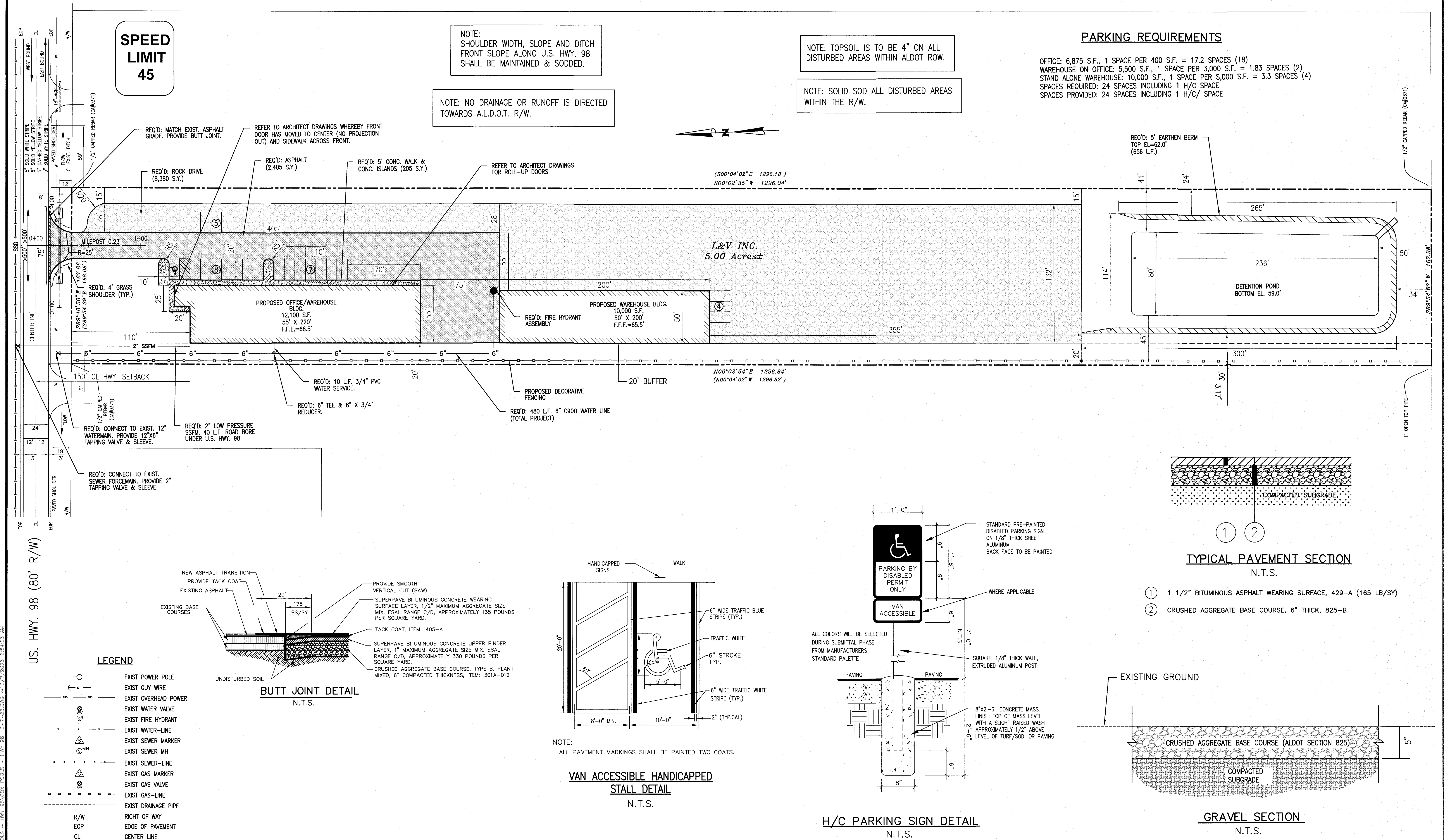
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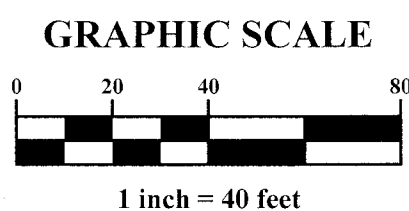
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SHEET: 3 OF 11

DWG. INFO: COX POOLS - HWY 98 12-7-23.DWG - 12/7/2023 6:54:03 AM



NUMBER	REVISION	DATE



Pillar

GEOMETRY & UTILITY PLAN

COX POOLS

U.S. HWY. 98, FOLEY, ALABAMA

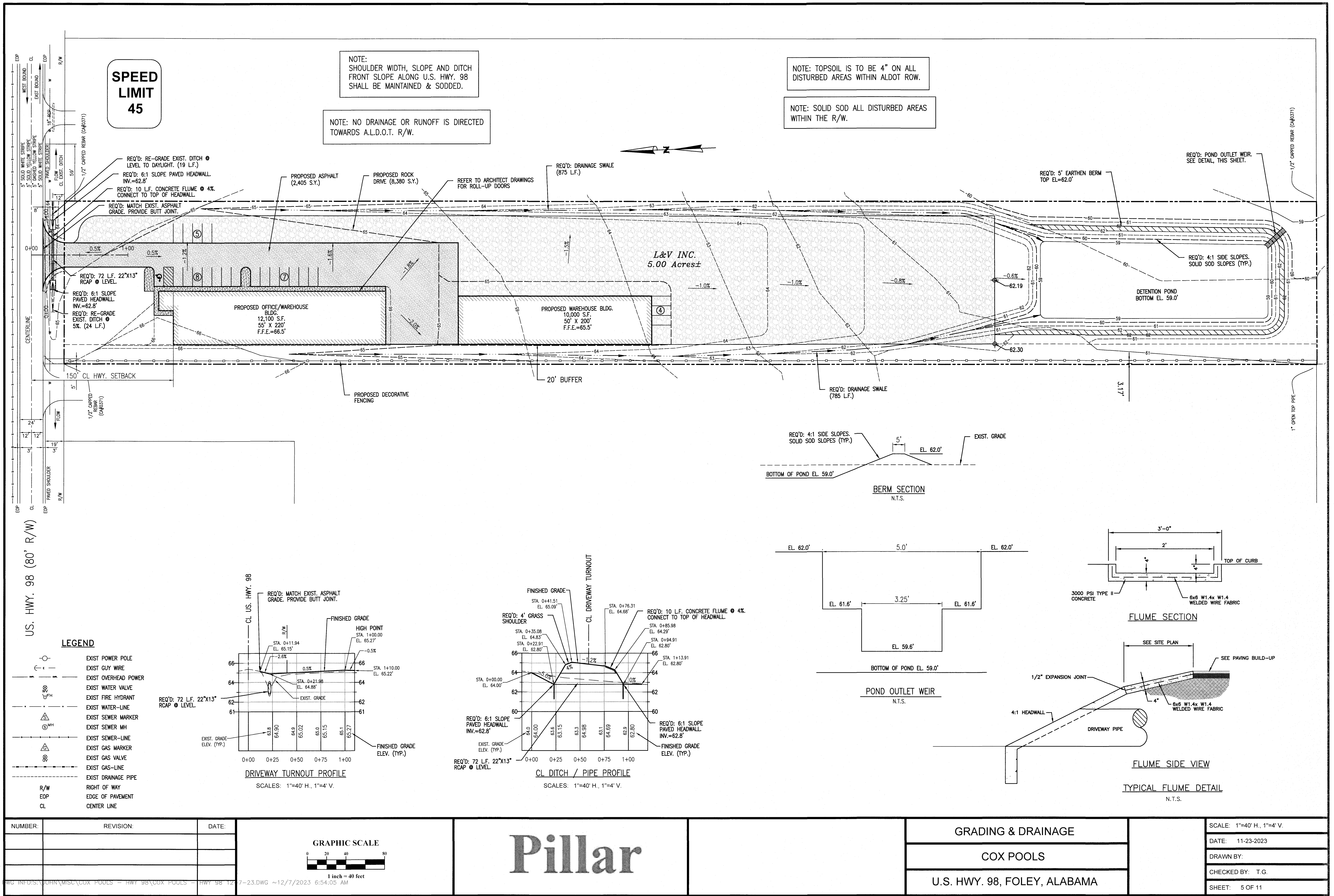
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DATE: 11-13-2023

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SHEET: 4 OF 11



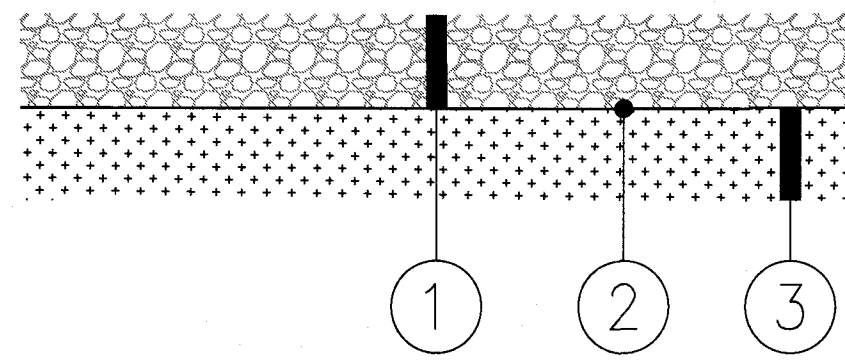
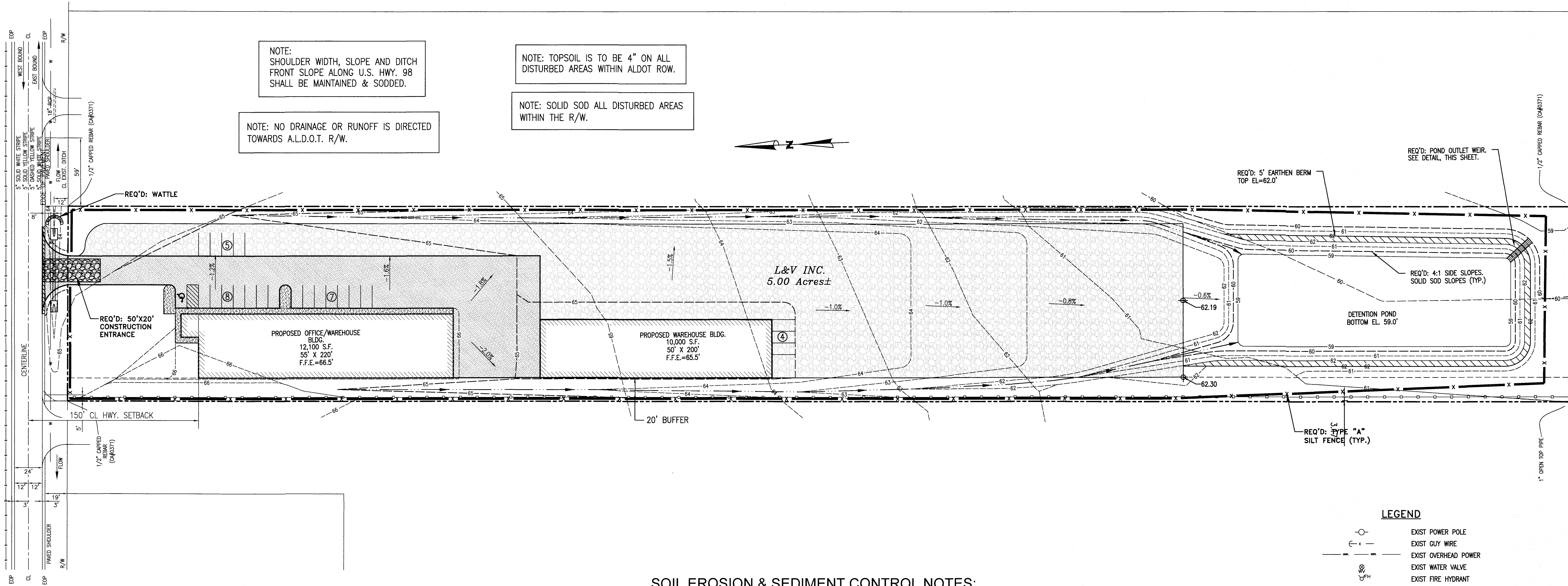
Pillar

GRADING & DRAINAGE
COX POOLS
U.S. HWY. 98, FOLEY, ALABAMA

SCALE: 1"=40' H., 1"=4' V.
DATE: 11-23-2023
DRAWN BY:
CHECKED BY: T.G.
SHEET: 5 OF 11

DWG INFO: JOHN WISC/COX POOLS - HWY 98 12-7-23.DWG ~12/7/2023 6:54:07 AM

US. HWY. 98 (80' R/W)



TEMPORARY CONSTRUCTION ENTRANCE SECTION
N.T.S.

- 4" THICK, NO. 1 STONE
- TERRA TEX NON-WOVEN FILTER CLOTH
- EXISTING GRADE OR BORROW (A-2-4 MATERIAL OR BETTER)

SOIL EROSION & SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT FOR CONSTRUCTION SITES AND URBAN AREAS, VOLUME 1 AND 2, LATEST EDITION.
- THE MEASURES SET FORTH IN THE EROSION CONTROL PLAN ARE INTENDED AS THE MINIMUM STANDARDS, ANY EROSION CONTROL MEASURE BEYOND THAT SPECIFIED IN THE PLAN, THAT IS REQUIRED TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAW, SHALL BE IMPLEMENTED.
- IN THE EVENT THAT EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THE EROSION CONTROL PLAN PROVE NOT TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ALL ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE REVIEWED AND APPROVED BY LOCAL AND STATE COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.
- THE CONTRACTOR SHALL INSPECT INSTALLED BMPs AT LEAST ONCE EVERY SEVEN (7) DAYS AND REPAIR OR REPLACE MY DAMAGED OR INEFFECTIVE DEVICES.
- THE CONTRACTOR SHALL INSTALLED BMPs WITHIN 24 HOURS AFTER PRECIPITATION EVENTS OF 0.50 INCHES OR GREATER AND REPAIR OR REPLACE ANY DAMAGED OR INEFFECTIVE DEVICES.
- DISTURBED AREAS SHALL BE GRADED, SODDED, OR VEGETATED (SEEDED AND MULCHED) WITHIN 13 DAYS OF ANY CONSTRUCTION ACTIVITY FOR AN EFFECTIVE BMP. ALL AREAS IDENTIFIED TO HAVE SOLID SODDING, SHALL BE VEGETATED WITH PERMANENT SEEDING (SEASONAL MIX) IN ACCORDANCE WITH SECTION 860, TABLE FOR ZONE 3 IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS HIGHWAY CONSTRUCTION (CURRENT EDITION).
- SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.
- WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
 - THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
 - THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.
- A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- ALL SLOPES SHALL BE STABILIZED AND VEGETATED AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKET (ECB) WHERE GRASSING SLOPES ARE INTERMITTENT.
- ALL CONSTRUCTION WASTE AND DEBRIS, SILT FENCES, HAY BALES, AND INLET PROTECTION AND OTHER TEMPORARY BMP'S HALL BE REMOVED FROM THE SITE UPON CONSTRUCTION COMPLETION.
- INACTIVE PROJECTS (MORE THAN 7 DAYS) SHALL BE MULCHED IF INACTIVE FOR LESS THAN 60 DAYS. IF INACTIVE FOR MORE THAN 60 DAYS, DISTURBED AREAS SHALL BE SEEDED & MULCHED

LEGEND

- EXIST POWER POLE
- EXIST GUY WIRE
- EXIST OVERHEAD POWER
- EXIST WATER VALVE
- EXIST FIRE HYDRANT
- EXIST WATER-LINE
- EXIST SEWER MARKER
- EXIST SEWER MH
- EXIST SEWER-LINE
- EXIST GAS MARKER
- EXIST GAS VALVE
- EXIST GAS-LINE
- EXIST DRAINAGE PIPE
- R/W
- EOP
- CL
- EXIST DRAINAGE PIPE
- RIGHT OF WAY
- EDGE OF PAVEMENT
- CENTER LINE

EROSION CONTROL LEGEND

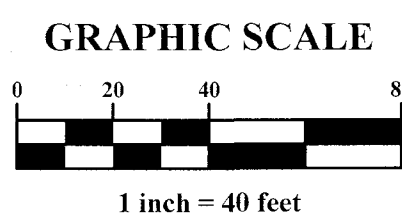
- TYPE "A" SILT FENCE
- PROPOSED WATTLE DITCH CHECK

EROSION CONTROL NOTES:

ANY SEDIMENT RUNOFF THAT ENTERS PRIVATE PROPERTY SHALL BE REMOVED AND DAMAGED AREA SHALL BE RESTORED IMMEDIATELY.

NOTE: SOLID SOD ALL DISTURBED AREAS WITHIN THE R/W.

NUMBER	REVISION	DATE



Pillar

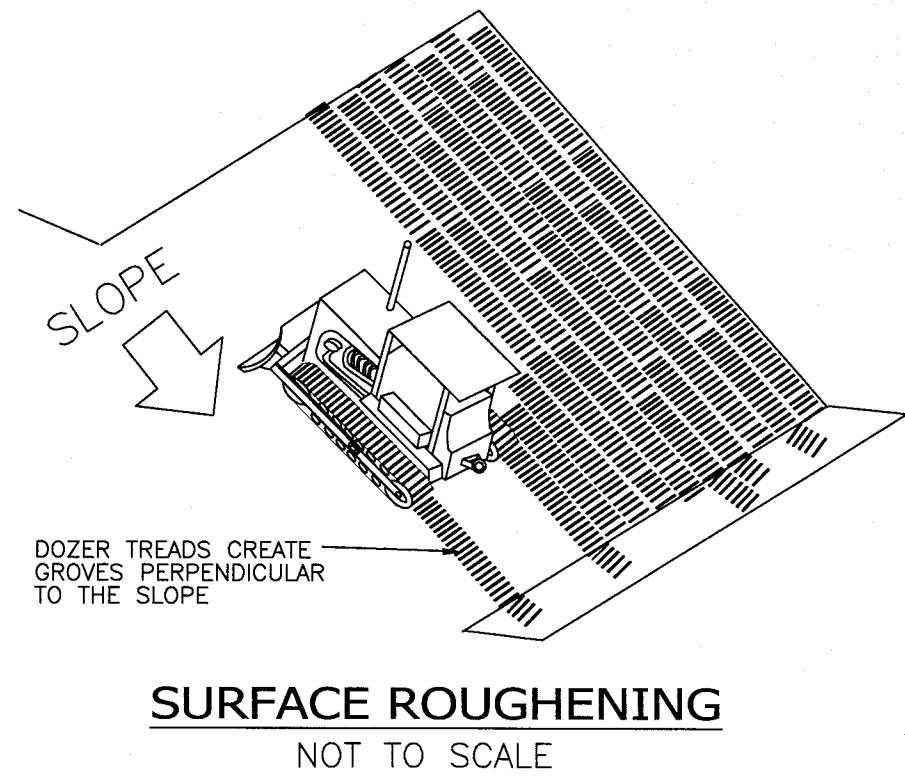
EROSION CONTROL PLAN

COX POOLS

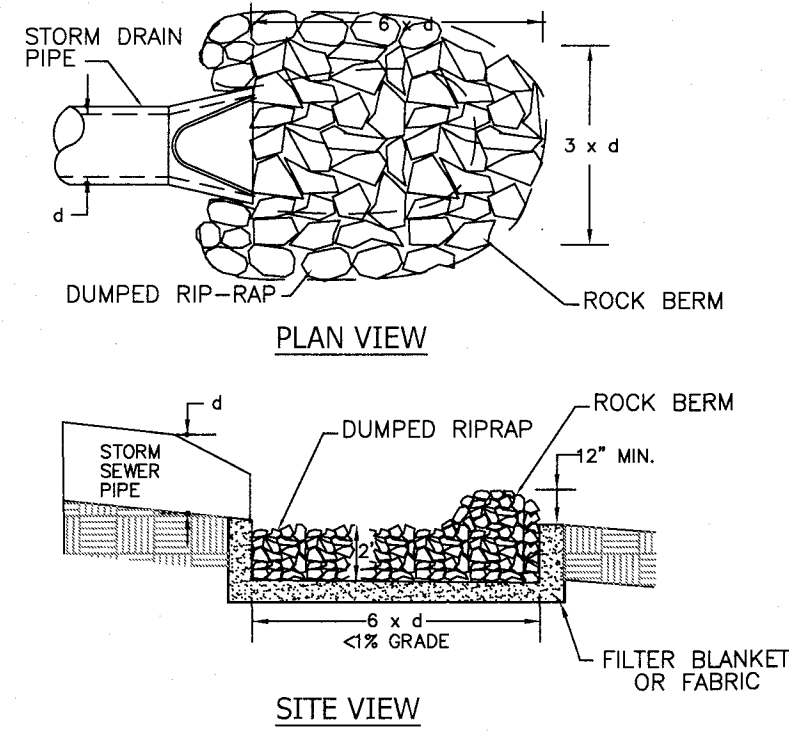
U.S. HWY. 98, FOLEY, ALABAMA

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SHEET: 6 OF 11

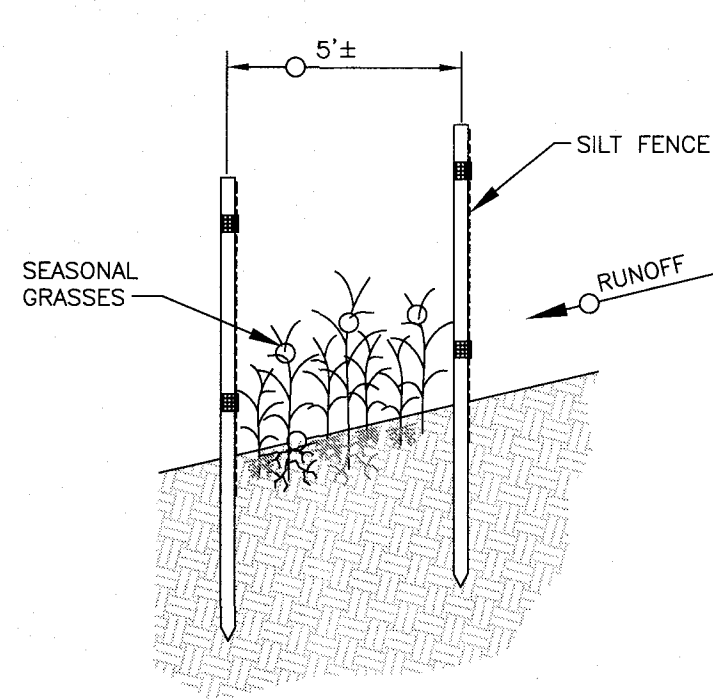
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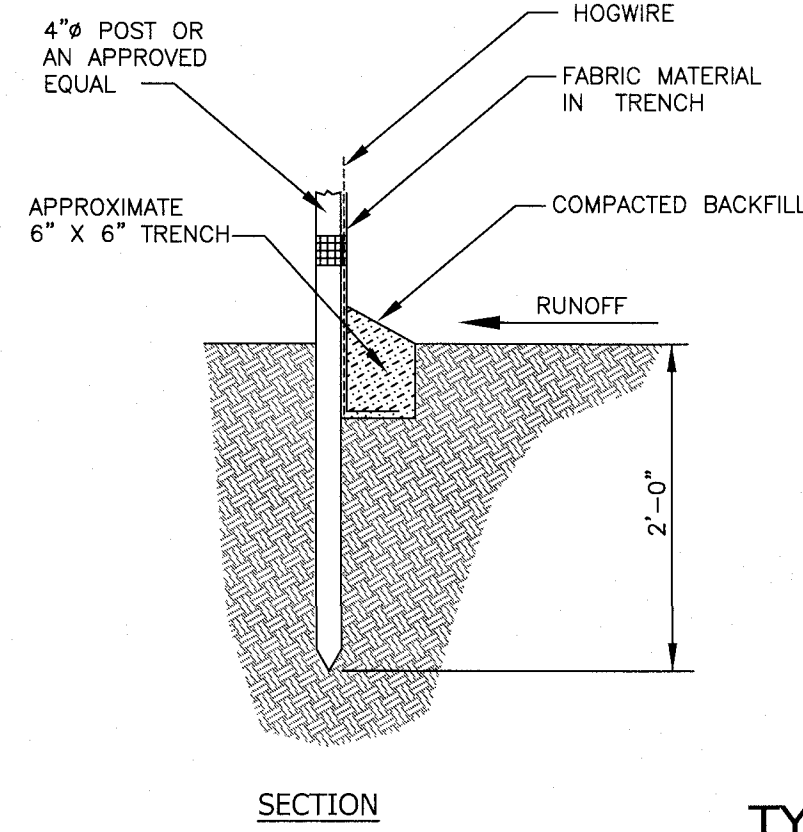
SURFACE ROUGHENING
NOT TO SCALE



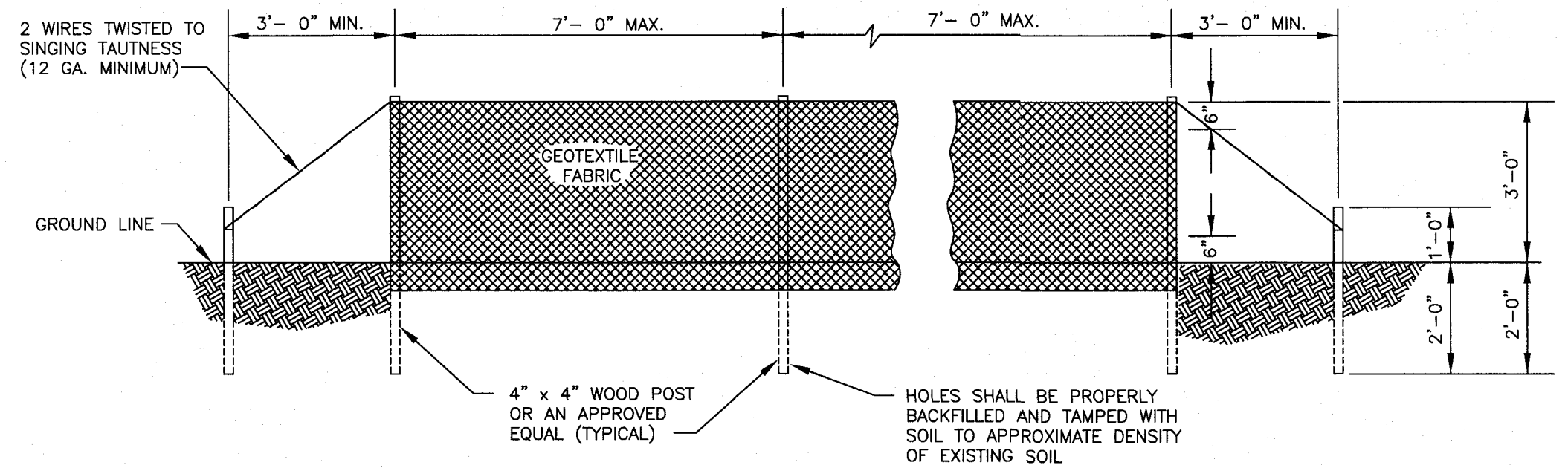
RIPRAP OUTLET PROTECTION
NOT TO SCALE



**2-SBA w/FS
DOUBLE SILT FENCE DETAIL**
NOT TO SCALE

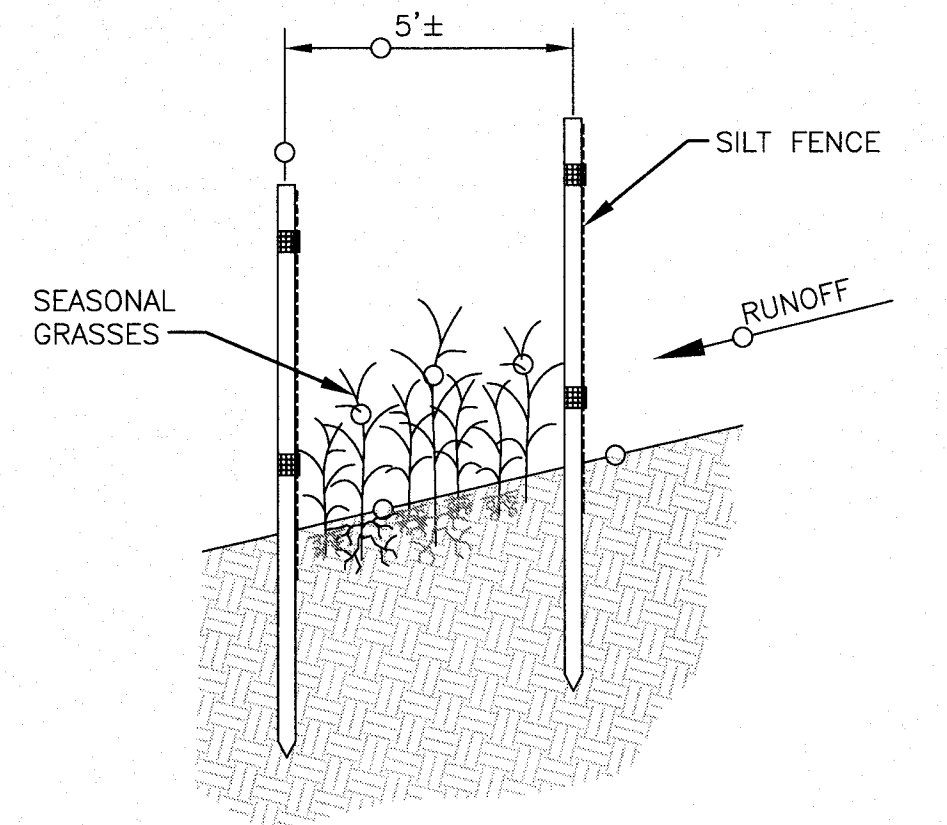


SECTION

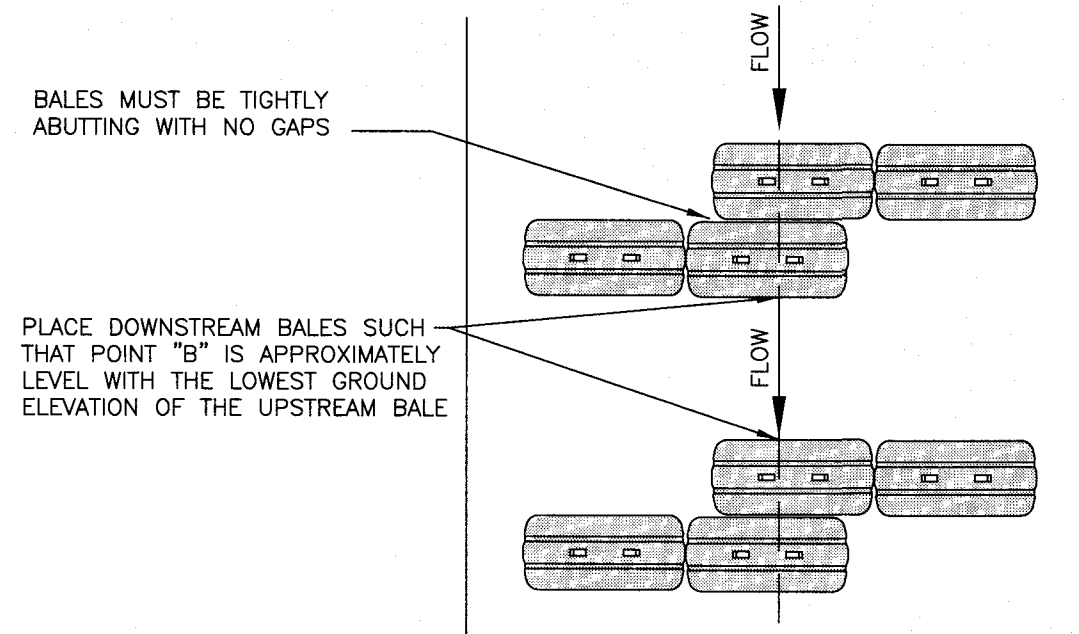


TYPE "A"
TYPICAL SILT FENCE INSTALLATION
NOT TO SCALE

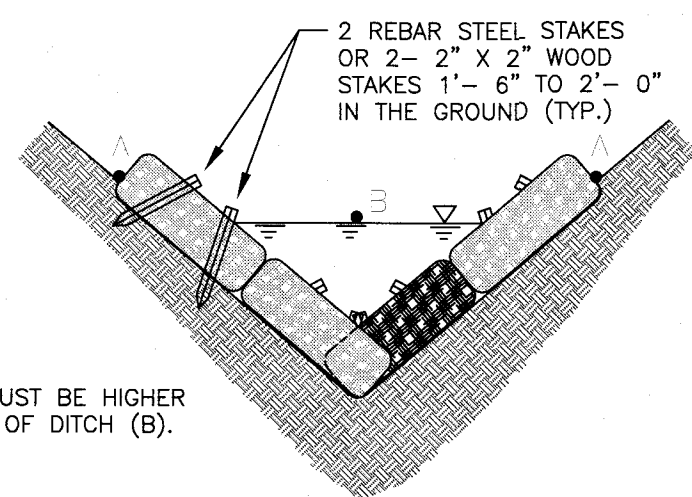
SILT FENCE



TYPE "C"
**2-SBA w/FS
DOUBLE SILT FENCE DETAIL**
NOT TO SCALE



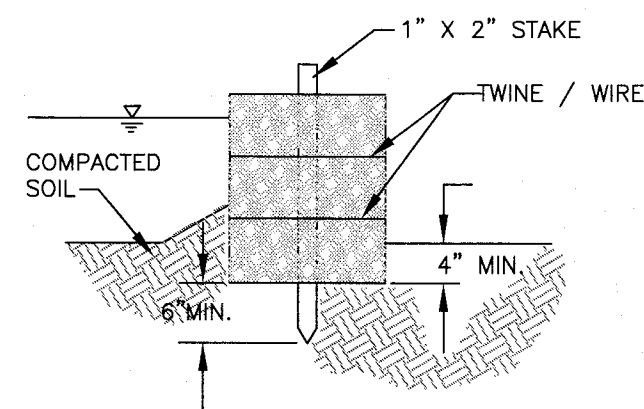
PLAN VIEW



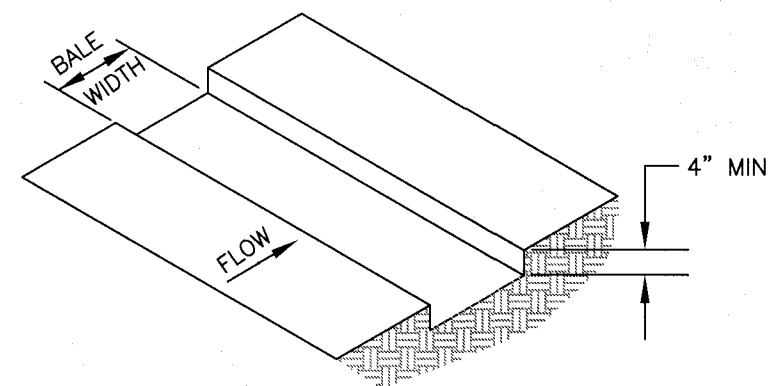
SECTION

NOTE:

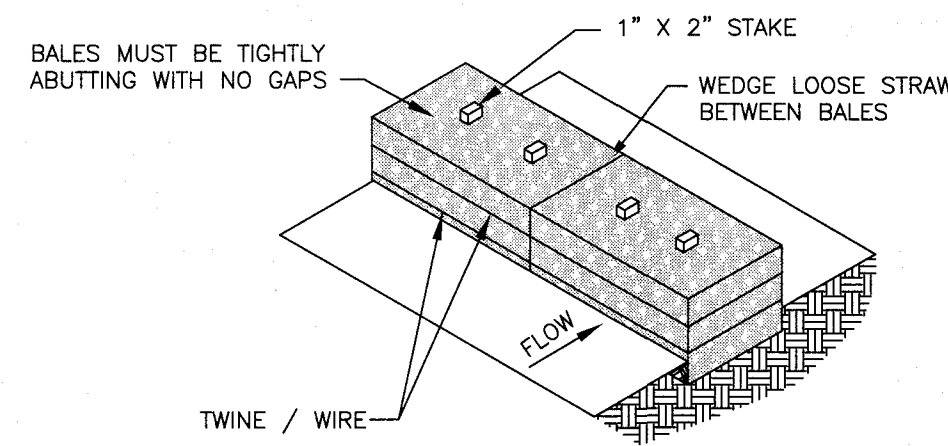
THE END POINTS OF HAYBALES PLACED IN DITCHES MUST BE HIGHER THAN THE WATER FLOW OF THE DITCH.



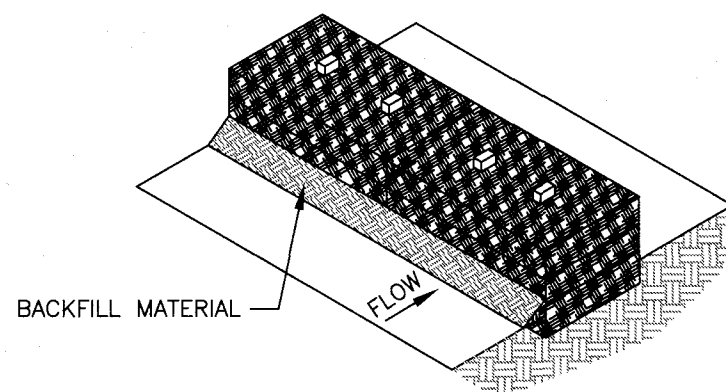
TYPICAL STRAW BALE INSTALLATION
NOT TO SCALE



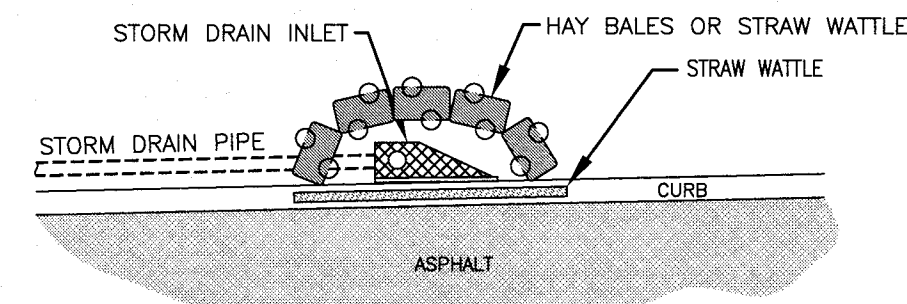
1. EXCAVATE THE TRENCH.



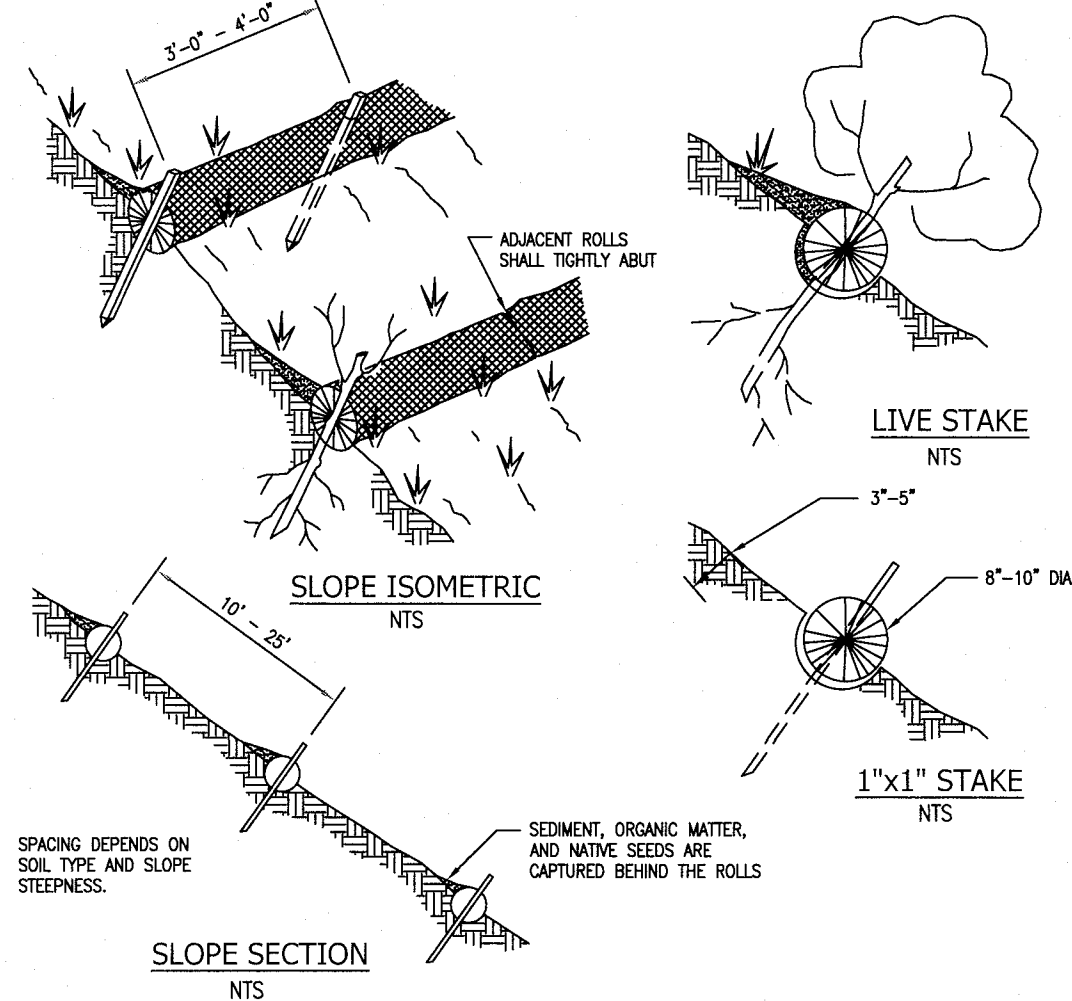
2. PLACE AND STAKE STRAW BALES.



3. BACKFILL AND COMPACT EXCAVATED SOIL.

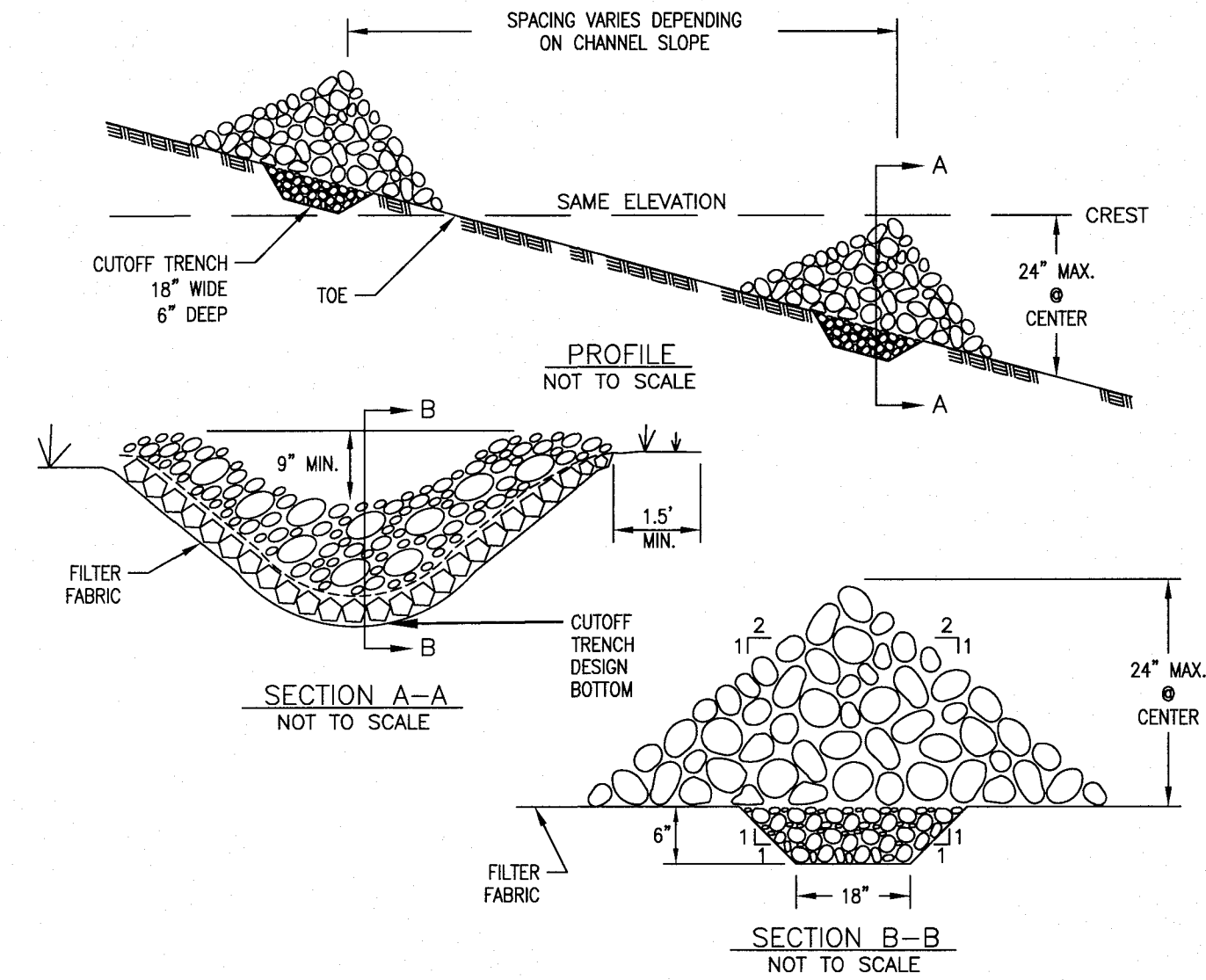


TYPICAL INLET EROSION CONTROL
NOT TO SCALE

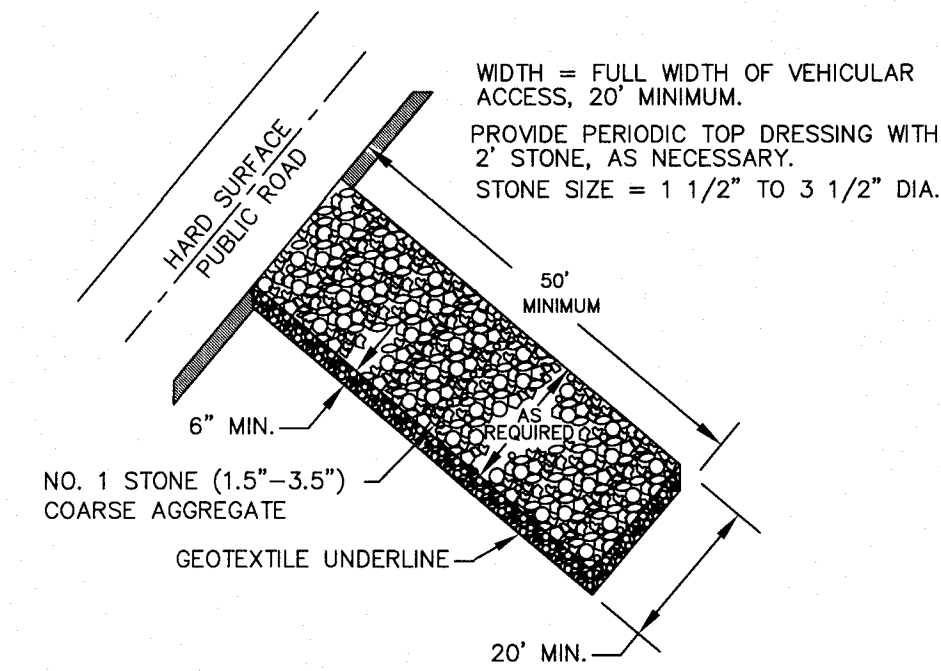


- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.
 3. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH. 3" - 5" DEEP, DIG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

STRAW WATTLES
SLOPE STABILIZATION INSTALLATION DETAIL
NOT TO SCALE



CHECK DAM DETAILS
NOT TO SCALE



STONE PAD CONSTRUCTION EXIT
NOT TO SCALE

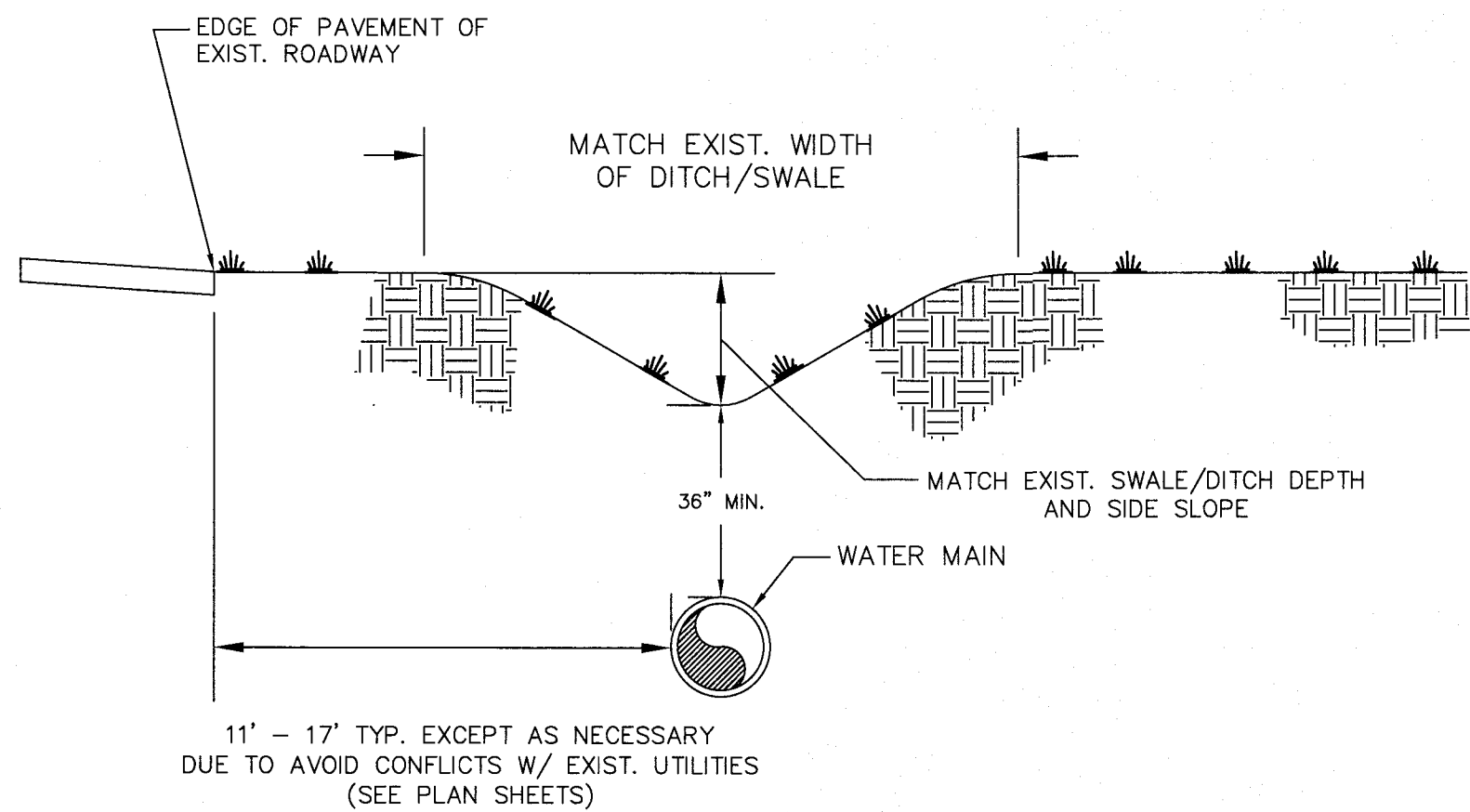
GENERAL NOTES

1. TYPE "A" SILT FENCE SHALL BE USED IN AREAS OF CONCENTRATED FLOW.
2. SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
3. SILT FENCE SHOULD BE PLACED WELL INSIDE PROPERTY BOUNDARY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
4. WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
5. AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
6. RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
7. IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE NINE (9) GAUGE, GALVANIZED, 1 1/2" LONG, FIVE (5) PER POST @ APPROXIMATELY 1'-0" ON CENTER.
8. WOVEN WIRE TO BE 12 1/2 GAUGE (MINIMUM).

SPECIFICATIONS

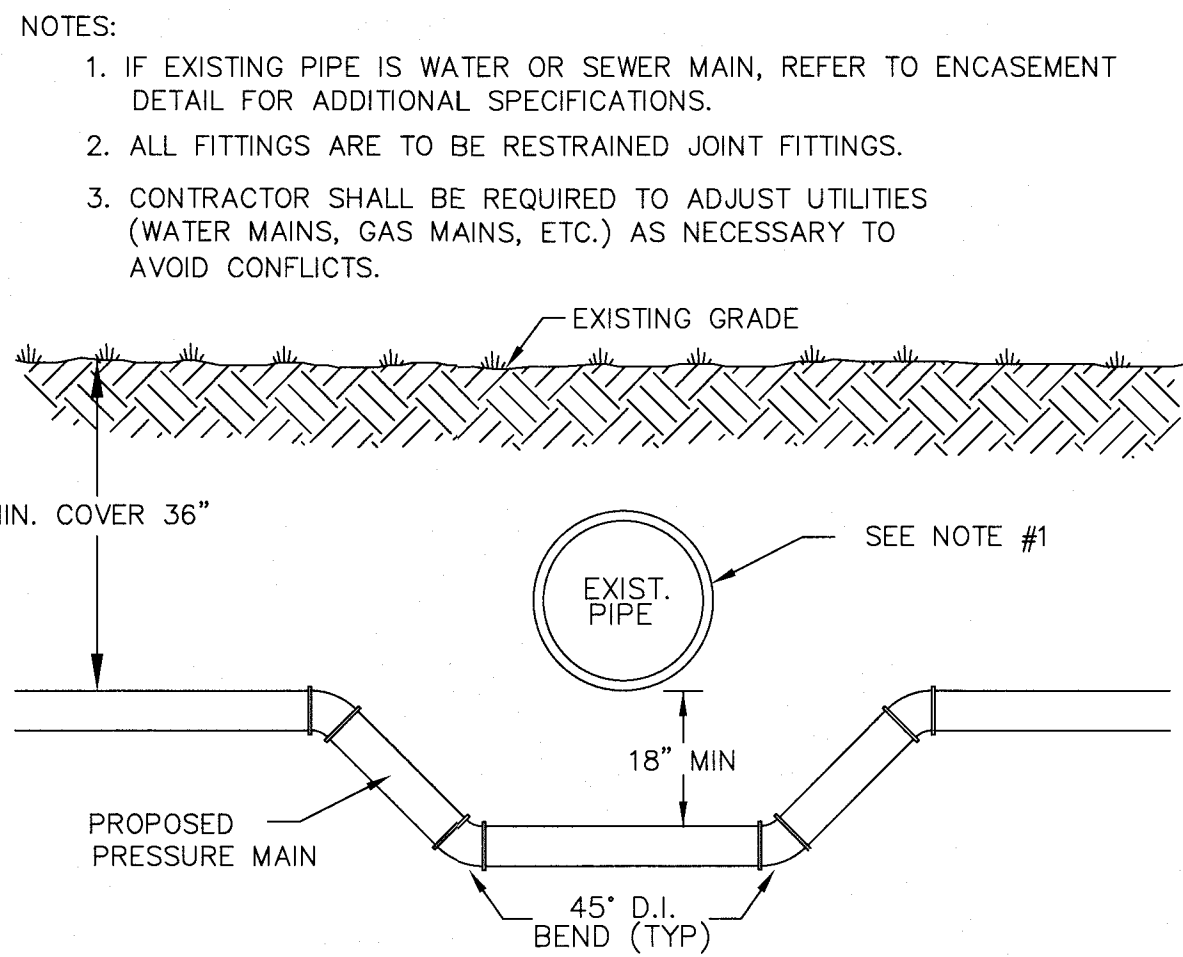
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

NUMBER:	REVISION:	DATE:	Pillar		EROSION DETAILS	SCALE: N.T.S.
						DATE: 11-13-2023
						DRAWN BY:
						CHECKED BY: T.G.
					U.S. HWY. 98, FOLEY, ALABAMA	SHEET: 7 OF 11



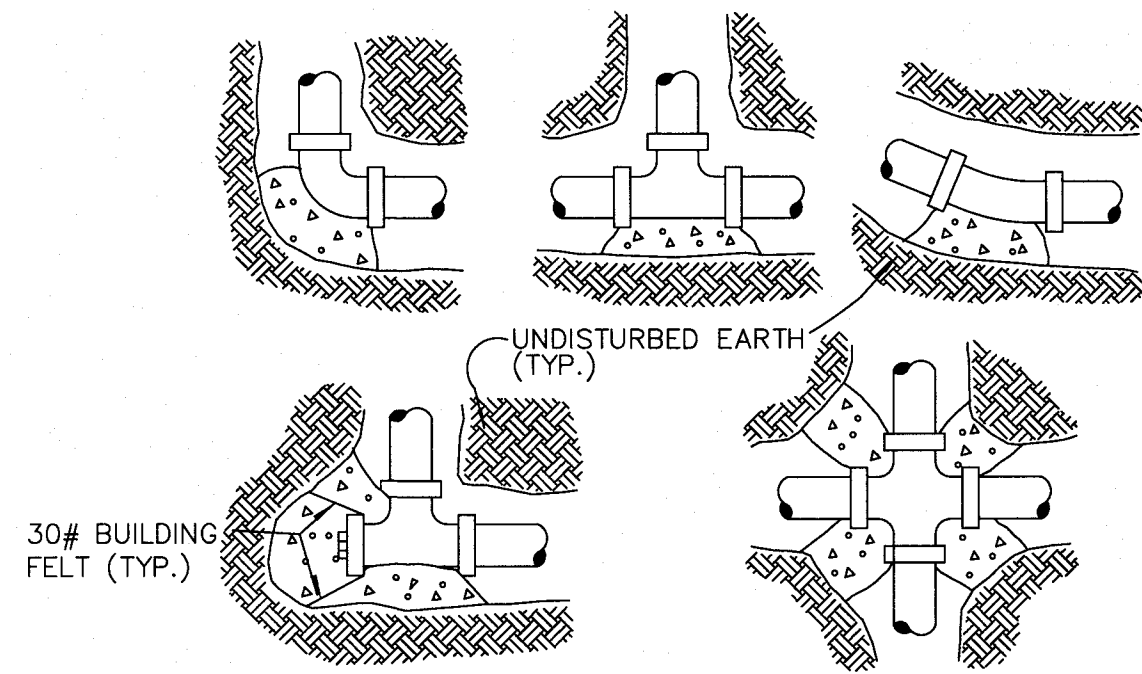
TYPICAL WATER MAIN INSTALLATION UNDER SWALE/DITCH IN COUNTY RIGHT-OF-WAY

N.T.S.



CONFLICT DETAIL

N.T.S.



BEARING AREAS				
TEE OR CAP	90° BEND	45° BEND	22.5° BEND	
2"	1.0 S.F.	1.0 S.F.	1.0 S.F.	1.0 S.F.
3"	1.3 S.F.	1.8 S.F.	1.0 S.F.	1.0 S.F.
4"	2.7 S.F.	3.7 S.F.	1.9 S.F.	1.0 S.F.
6"	4.9 S.F.	6.9 S.F.	3.7 S.F.	1.9 S.F.
8"	8.1 S.F.	11.3 S.F.	6.2 S.F.	3.2 S.F.
10"	11.7 S.F.	16.4 S.F.	8.9 S.F.	4.6 S.F.
12"	17.6 S.F.	24.6 S.F.	13.4 S.F.	6.9 S.F.

NOTE: MINIMUM THICKNESS OF THRUST BLOCKS TO BE 12 INCHES WITH AREA AS ABOVE.

THRUST BLOCK DETAILS

N.T.S.

PIPE JOINT RESTRAINT TABULATION - WATER MAIN

EVERY JOINT WITHIN THE LENGTH SPECIFIED BELOW (IN FEET) SHALL BE RESTRAINED ON BOTH SIDES OF THE FITTING

PIPE SIZE AND TYPE	HORIZONTAL BENDS				DEAD ENDS	EQUAL TEES See note 3
	90 Deg.	45 Deg.	22.5 Deg.	11.25 Deg.		
3" DI	18	8	4	2	33	1
4" DI	22	9	4	2	39	1
6" DI	31	13	6	3	55	1
8" DI	40	17	8	4	72	1
10" DI	48	20	9	5	86	1
12" DI	56	23	11	5	101	1
16" DI	70	29	14	7	129	1
20" DI	84	35	17	8	156	18
24" DI	96	40	19	9	181	41
4" PVC	28	12	6	3	62	1
6" PVC	39	16	8	4	87	1
8" PVC	50	21	10	5	114	1
10" PVC	60	25	12	6	136	1
12" PVC	70	29	14	7	160	1
16" PVC	88	36	17	9	205	1
20" PVC	105	43	21	10	247	29
24" PVC	120	50	24	12	287	64

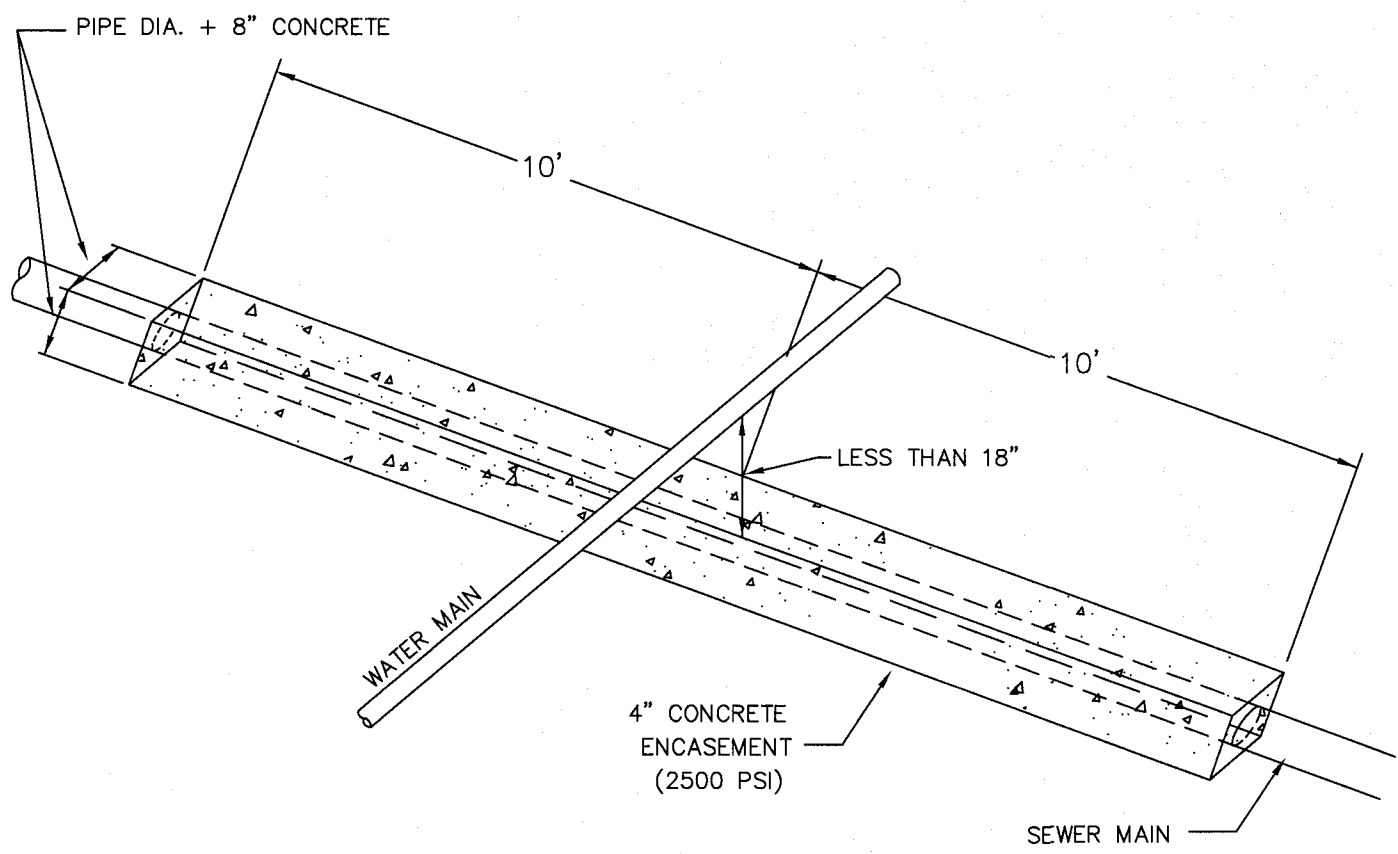
- NOTES : 1. Test pressure = 150 psi, soil group = SM, trench type = 3, depth = 2.5', safety factor = 2
2. Restrained lengths for vertical offsets, reducers & unequal size tees must be individually calculated.
3. With equal tees, the distances shown are with a run length OF 70' as an example only. For other lengths and for unequal tees, individual calculations must be made.

PIPE JOINT RESTRAINT TABULATION

N.T.S.

SANITARY SEWER LINES (GRAVITY OR PRESSURE) SHALL HAVE 18" OR GREATER VERTICAL CLEARANCE BELOW ANY POTABLE WATER LINE WHEN CROSSING. A MINIMUM OF 7" VERTICAL CLEARANCE IS REQUIRED FOR OTHER UTILITIES. HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER LINE THAT IS PARALLEL TO AND LESS THAN 18" BELOW A POTABLE WATER LINE SHALL BE 10' OR GREATER. A MINIMUM OF 30" IS REQUIRED FOR OTHER UTILITIES.

IF THIS IS NOT POSSIBLE OR PRACTICAL, SEE NOTES BELOW.



FOR CROSSING: ENCASE AS ABOVE SO THAT THE ENDS OF ENCASEMENT ARE AT LEAST 12' FROM ANY WATER LINE JOINT. WATER LINE JOINT MUST NOT BE CLOSER THAN 5' TO THE POINT OF CROSSING, OR IT MUST ALSO BE ENCASED.

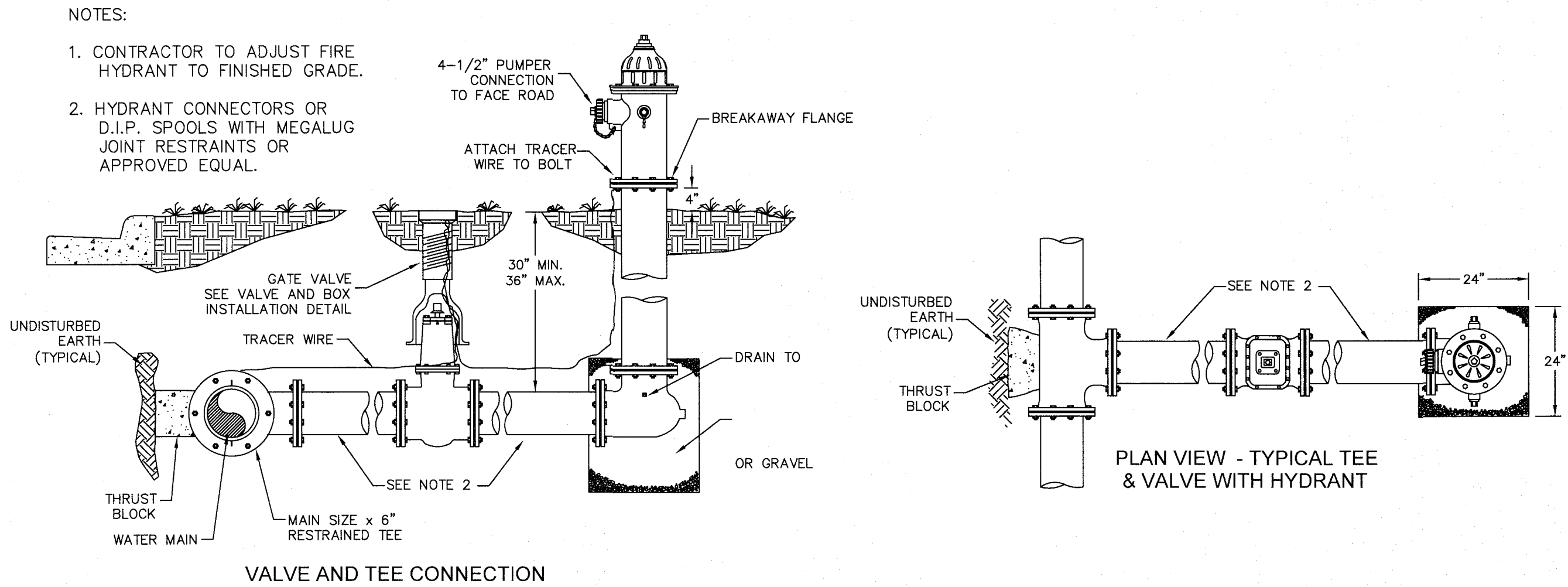
ALTERNATE 1: USE EQUALLY (OR HIGHER) RATED PRESSURE PIPE FOR SEWER WITH NO JOINTS CLOSER THAN 12' APART AND 6" VERTICAL.

ALTERNATE 2: PLACE SEWER LINE INTO STEEL CASING AND CENTER 20' PIECE WITH 4' VERTICAL CLEARANCE AND SEAL ENDS.

FOR PARALLEL: AND 6' TO 10' APART USE ALTERNATE 2, BUT IF MORE THAN 40' IN LENGTH, ALTERNATE 1 MUST BE USED AND JOINTS ARE TO BE STAGGERED. IF LINES MUST BE 3' TO 6' APART, ALTERNATE 1 MUST BE USED WITH A HIGHER RATED PRESSURE PIPE FOR SEWER (i.e., WATER LINE IS DR25 THEN USE DR18 OR 21 FOR SEWER).

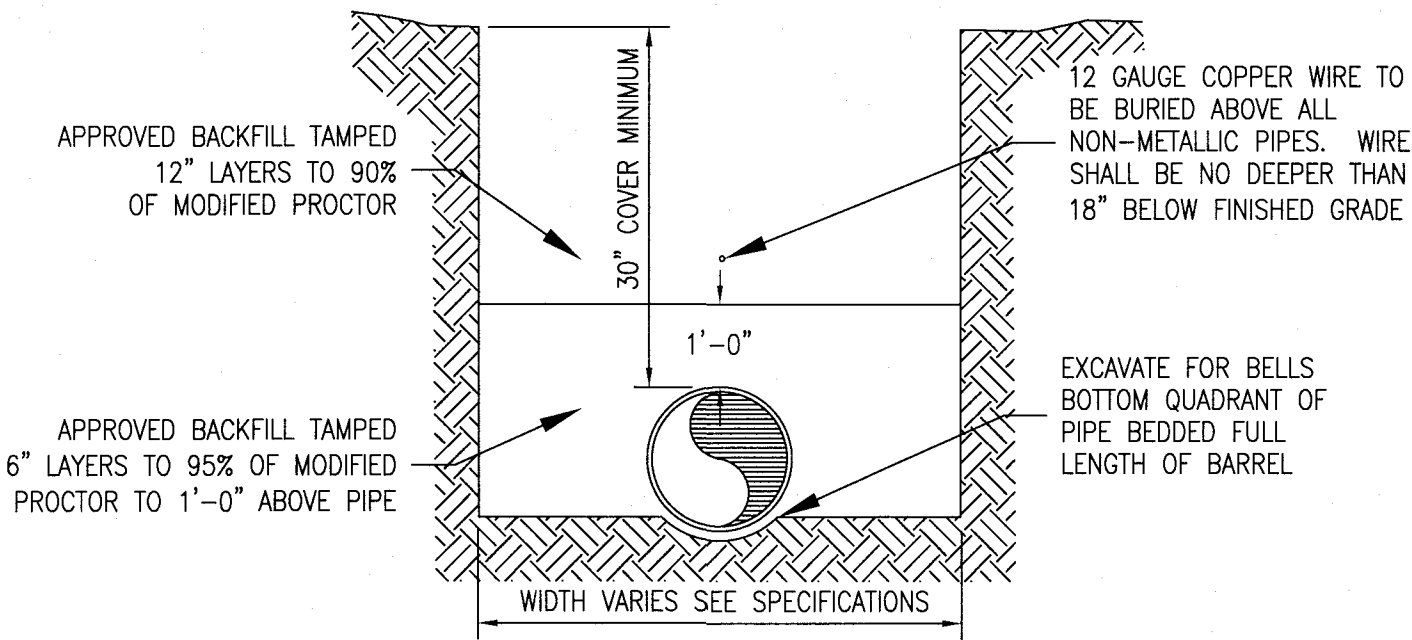
SEWER / WATER SEPARATION & CLEARANCES

N.T.S.



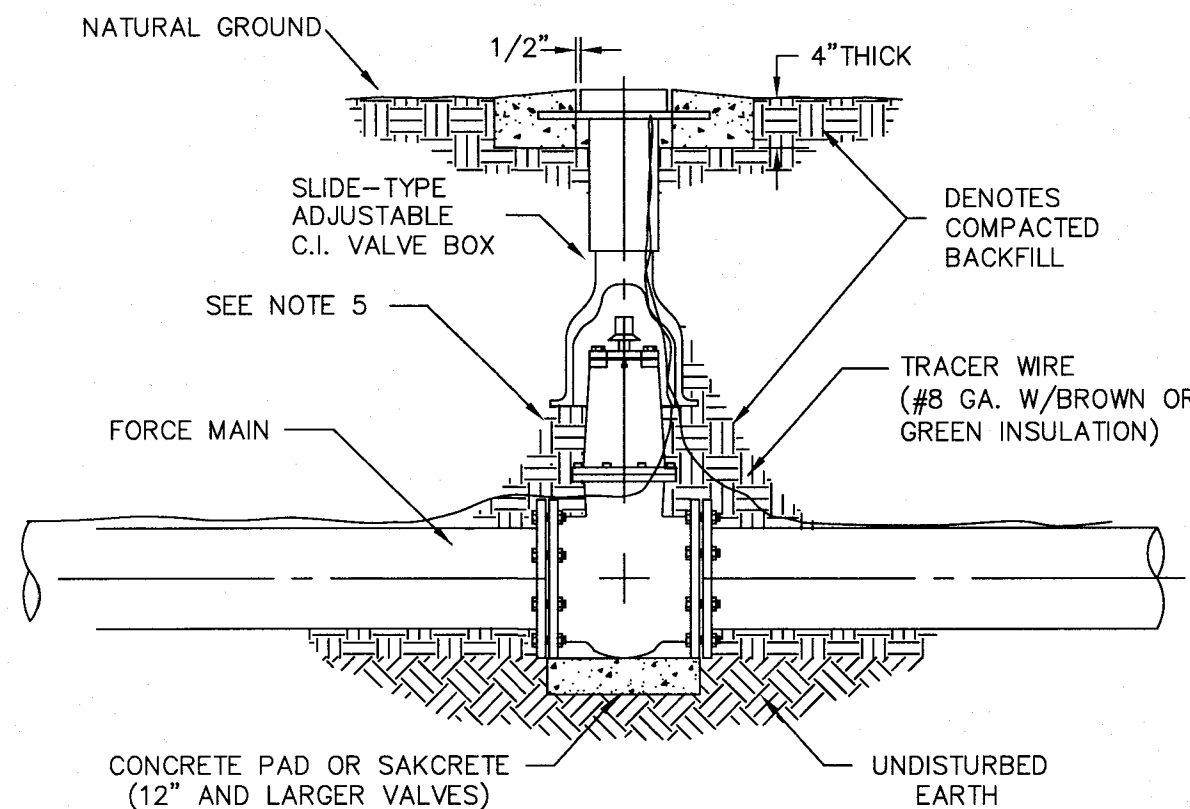
TYPICAL FIRE HYDRANT INSTALLATION

N.T.S.



TYPICAL PRESSURE PIPE INSTALLATION DETAIL

N.T.S.

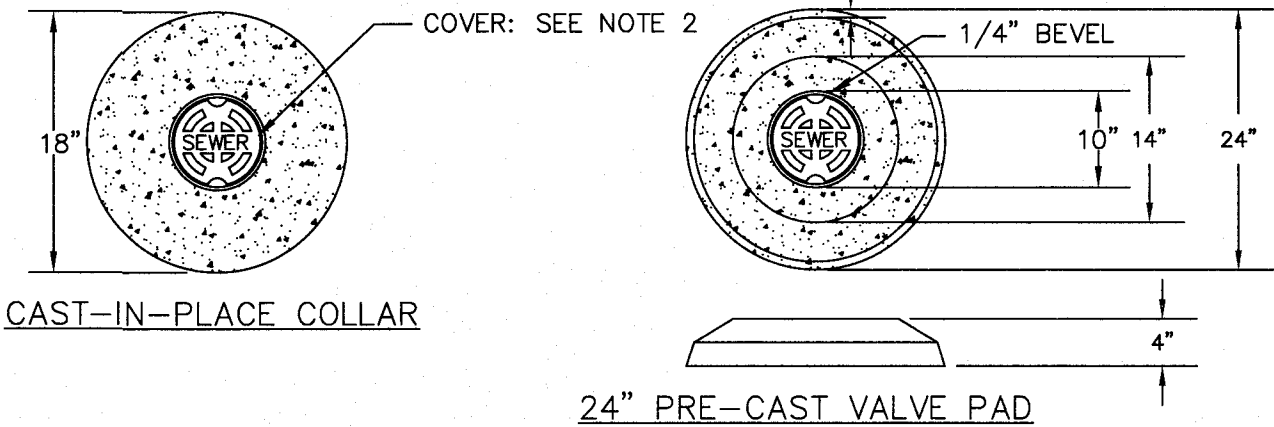


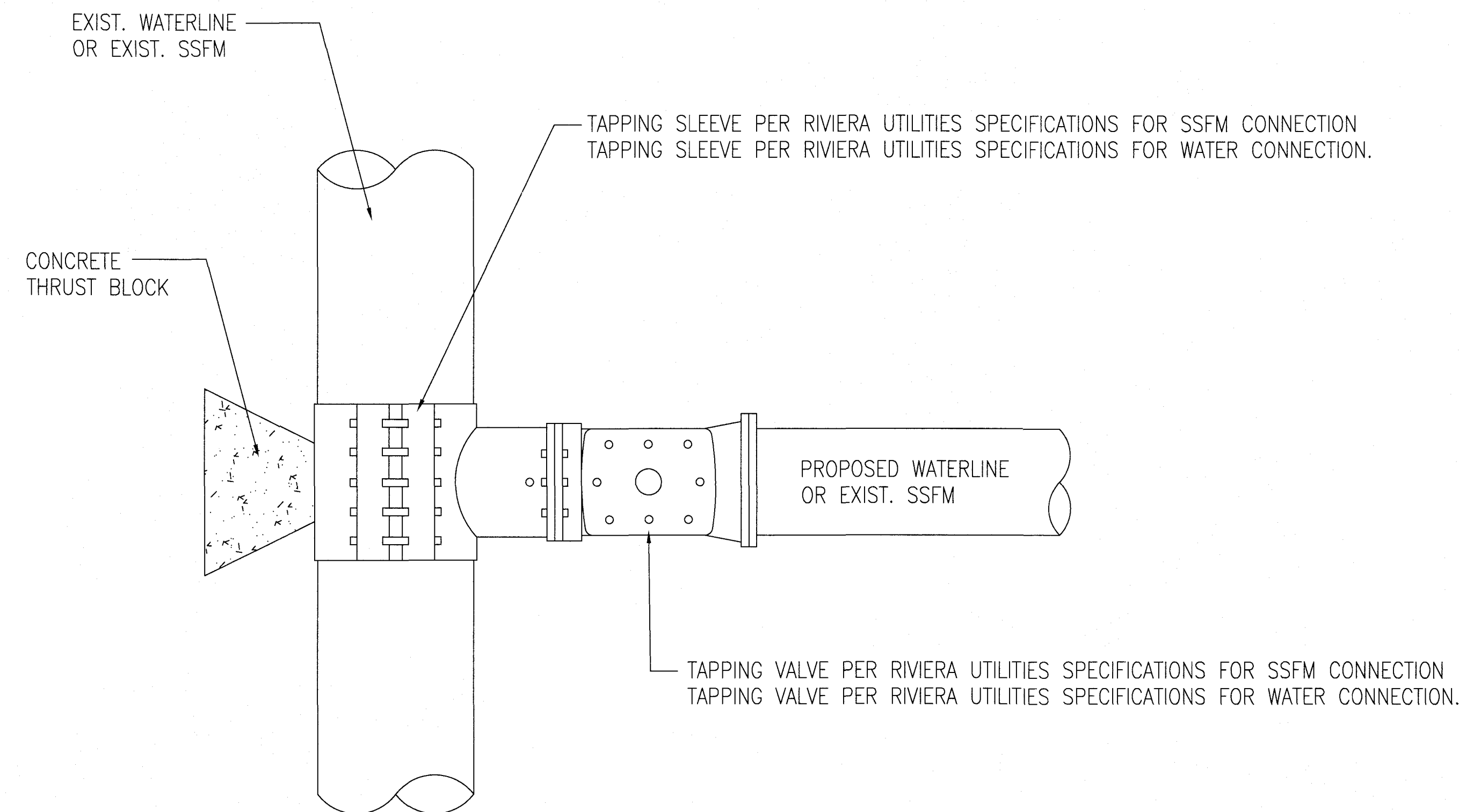
VALVE & BOX INSTALLATION

N.T.S.

NOTES:

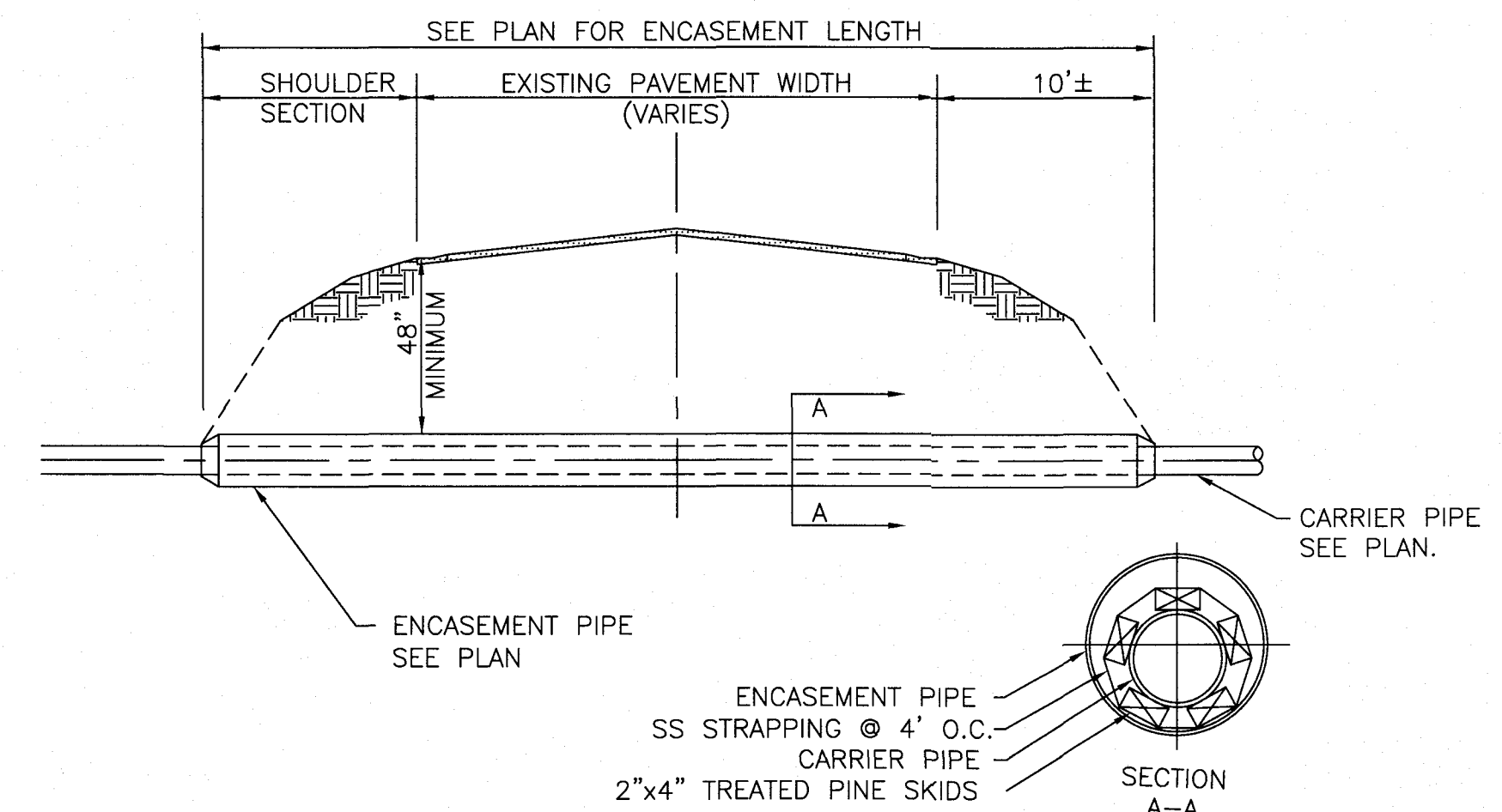
1. VALVE BOX AND BOOT SHALL BE CAST IRON.
2. VALVE COVER SHALL BE MARKED "SEWER" OR "WATER"
3. VALVE BOX TOP SHALL BE FLUSH WITH FINISHED GRADE OR 1/2" ABOVE NATURAL GROUND LEVEL.
4. GATE VALVE SHALL BE AWWA C509 WEDGE TYPE RESILIENT SEAT WITH MECHANICAL JOINT ENDS OR APPROVED EQUAL.
5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.





**WET TAP TO CONNECT TO
EXIST. WATER OR EXIST. SSFM**

N.T.S.



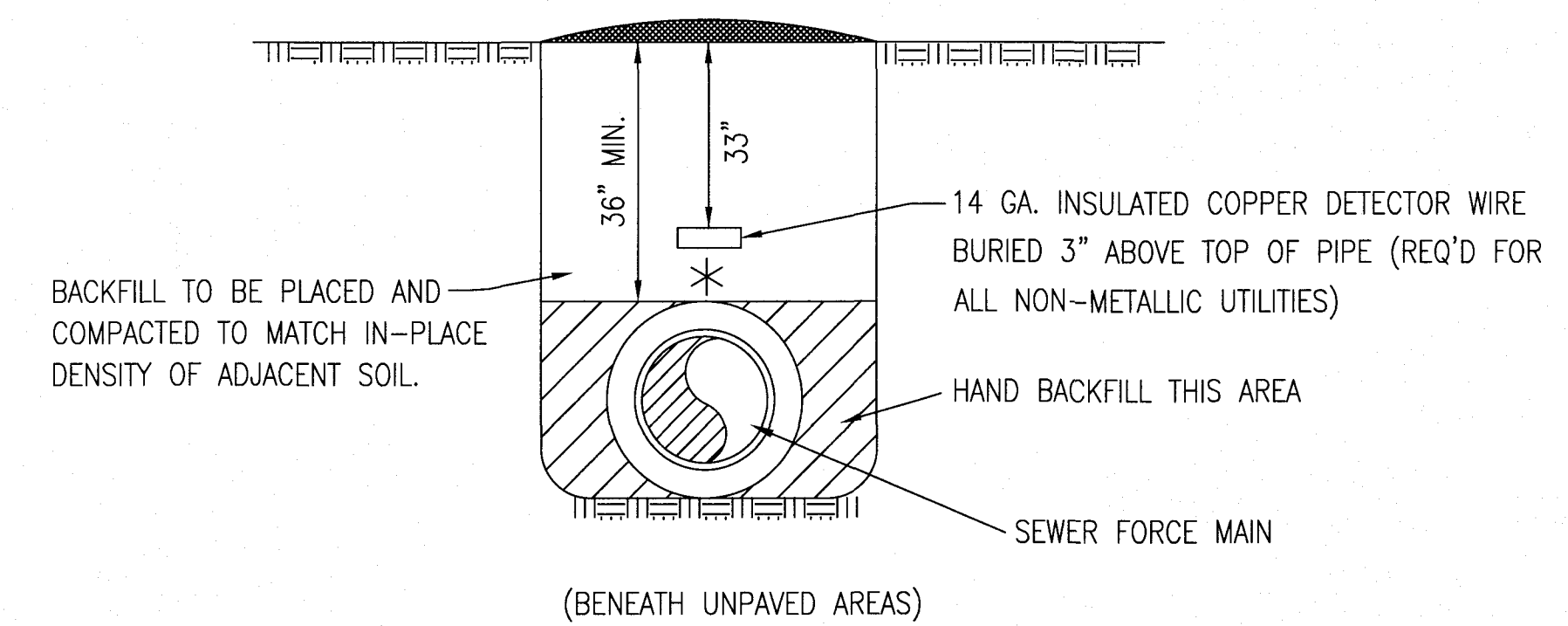
**TYPICAL ROADWAY
BORE DETAIL**

N.T.S.

NOTE:

MACHINE TRENCHING WILL BE ALLOWED; HOWEVER, SUFFICIENT
CLEAR DISTANCE WILL BE REQUIRED SUCH THAT THE PIPE
REST ON TRENCH BOTTOM AT ALL LOCATIONS.

THIS REQUIREMENT WILL BE STRICTLY ENFORCED.

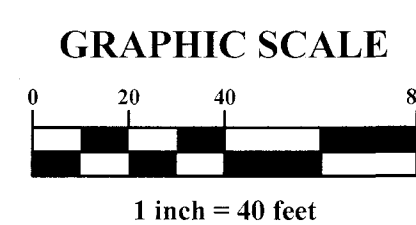


SEWER TRENCH DETAIL

N.T.S.

DWG INFO: S:\JOHN.MED\COX POOLS - HWY 98\12-7-23.DWG - 12/7/2023 6:54:11 AM

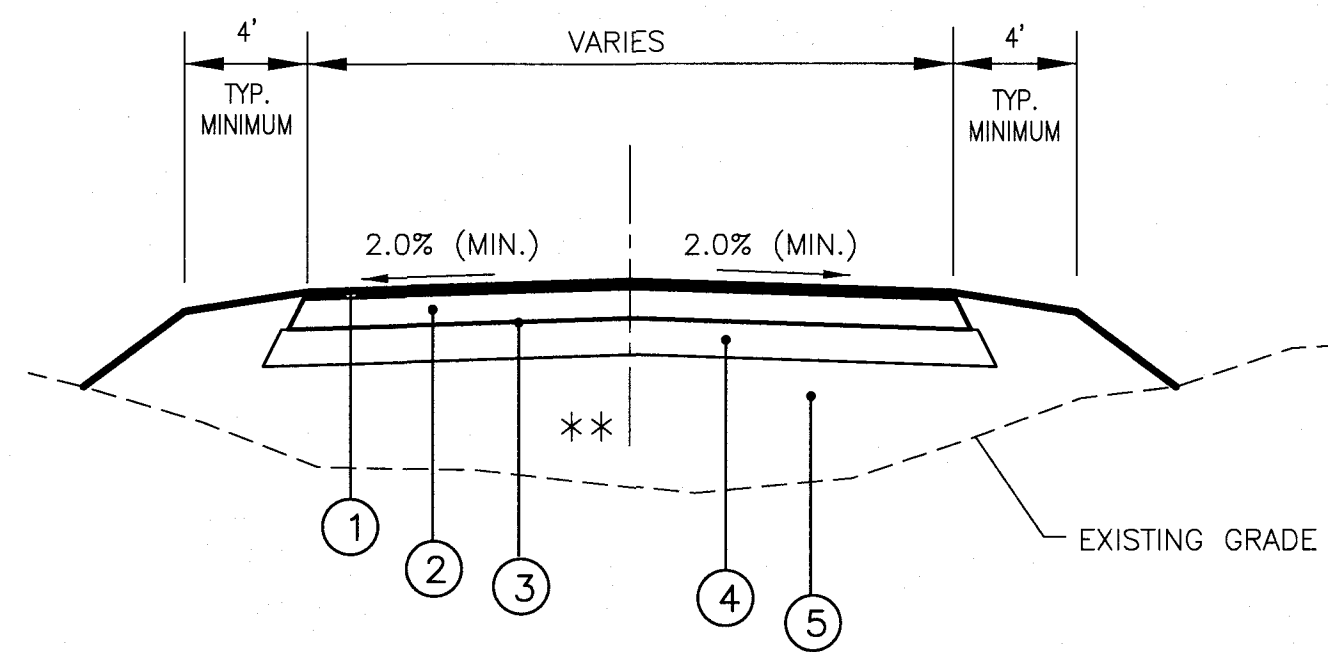
NUMBER:	REVISION:	DATE:



Pillar

SEWER DETAILS
COX POOLS
U.S. HWY. 98, FOLEY, ALABAMA

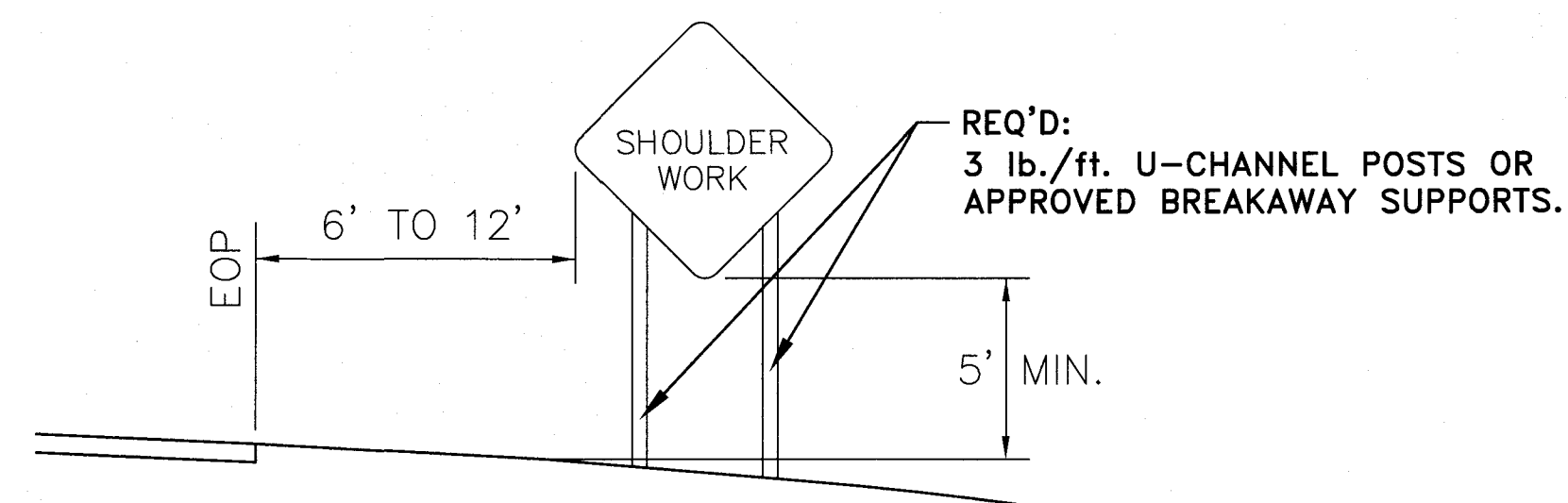
SCALE: 1"=40'
DATE: 11-13-2023
DRAWN BY:
CHECKED BY: T.G.
SHEET: 9 OF 11



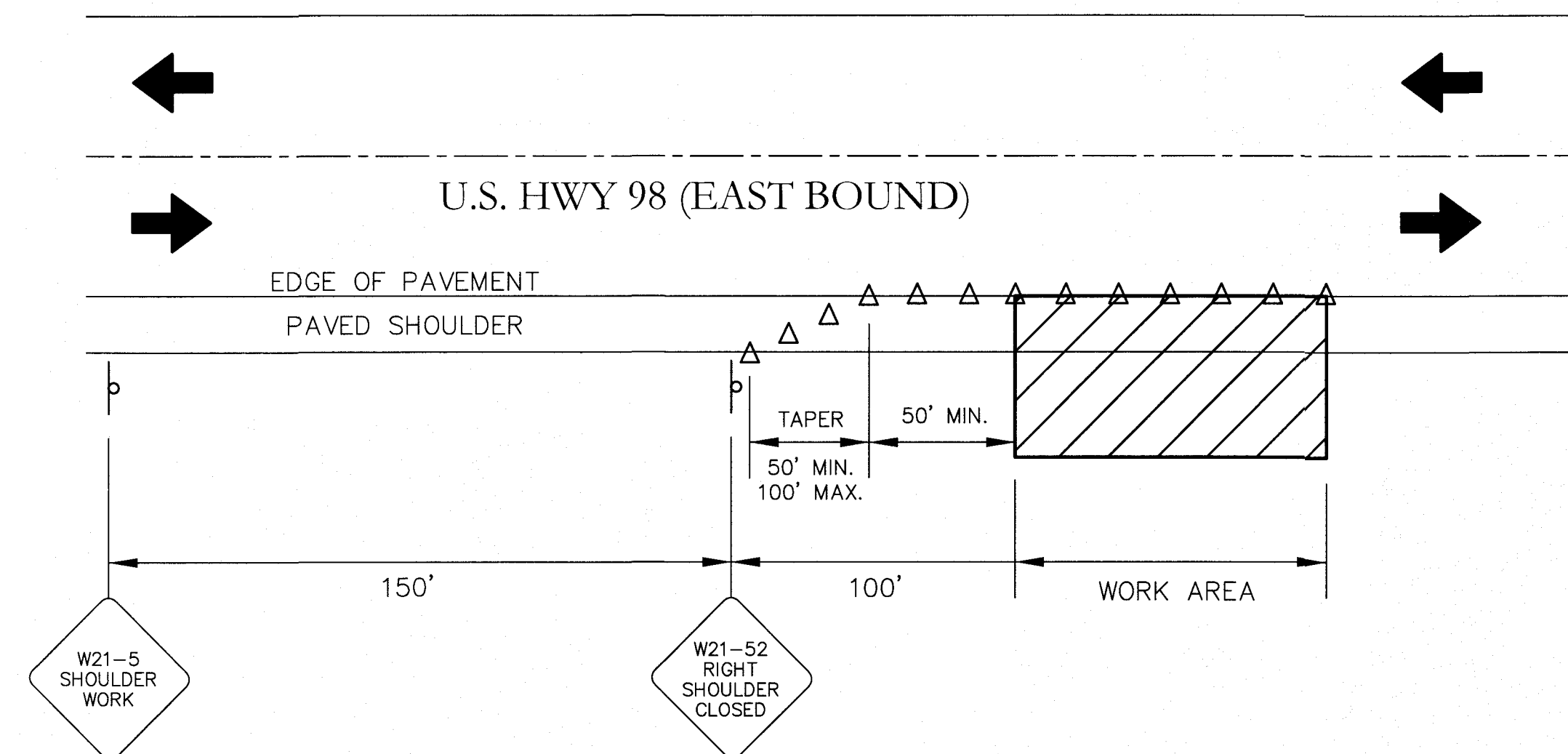
- ① SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D, APPROXIMATELY 125 POUNDS PER SQUARE YARD.
- ② SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D, APPROXIMATELY 250 POUNDS PER SQUARE YARD.
- ③ BITUMINOUS TREATMENT A, ITEM: 401A-000
- ④ CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS, ITEM: 301A-012
- ⑤ BORROW EXCAVATION [(A-2-4(0) OR A-4(0)], ITEM: 210D-012

** NOTE: COMPACT TO 100% OF AASHTO T-99

TYPICAL DRIVE SECTION TO R.O.W.
N.T.S.



TYPICAL SIGN INSTALLATION (ALL TEMPORARY TRAFFIC CONTROL CONSTRUCTION SIGNS)
N.T.S.



TRAFFIC CONTROL PLAN - SHOULDER CLOSURE
N.T.S.

NUMBER:	REVISION:	DATE:			ALDOT DETAILS	SCALE: N.T.S.
					COX POOLS	DATE: 11-13-2023
					U.S. HWY. 98, FOLEY, ALABAMA	DRAWN BY:
						CHECKED BY: T.G.
						SHEET: 10 OF 11

DWG: INFO: S:\UDHNN\ISD\COX POOLS - HWY 98 12-7-23.DWG ~12/7/2023 6:54:11 AM

DWG INFO: S:\JOHN\MISC\COX POOLS - HWY 98\COX POOLS - HWY 98 12-7-23.DWG - 12/7/2023 6:54:11 AM

