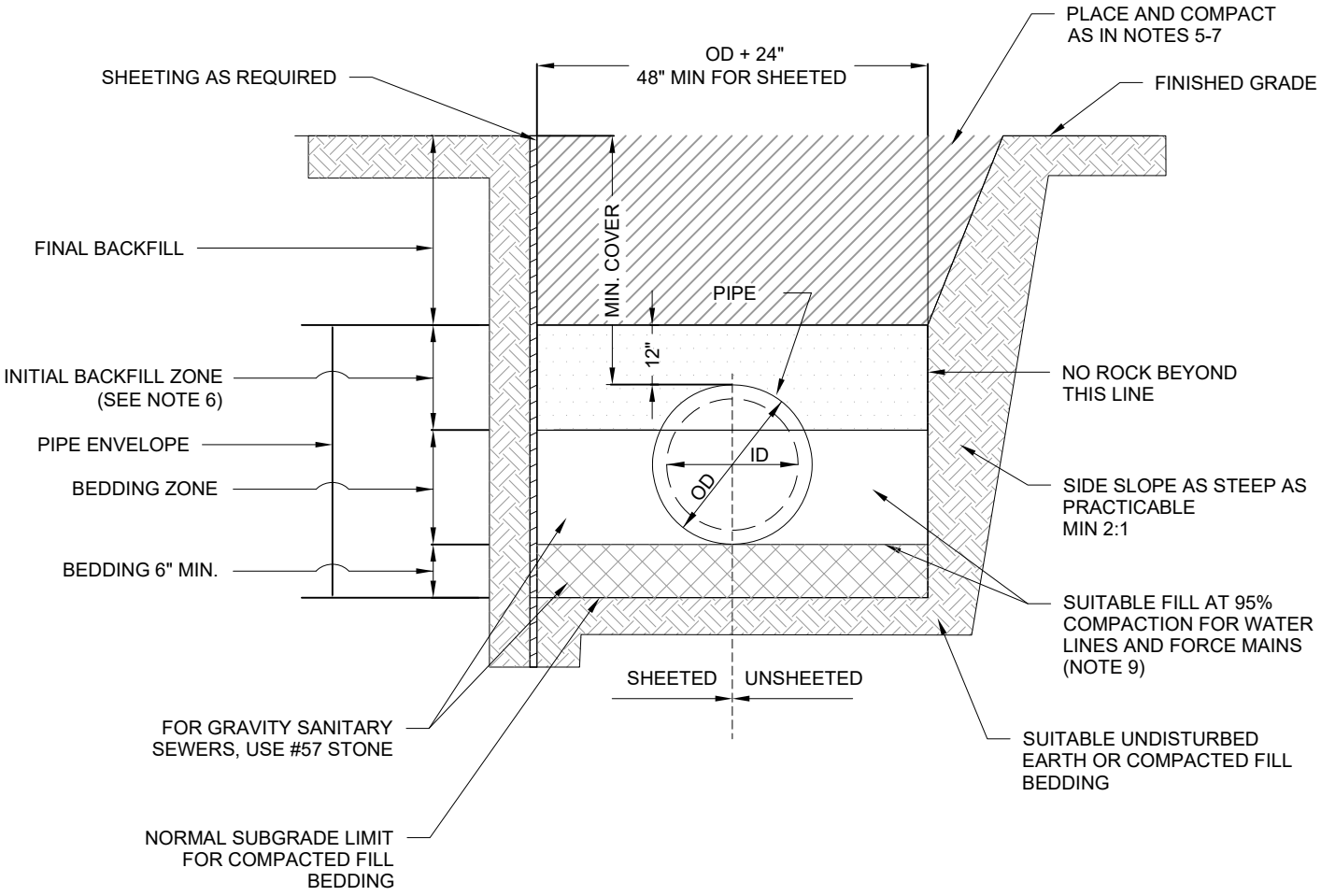


NOTES:

1. SEE SCWA STANDARD SPECIFICATIONS FOR ADDITIONAL BEDDING AND TRENCH BACKFILL REQUIREMENTS.
2. DEPTH OF COVER OVER WATER MAINS LESS THAN 12" DIA SHALL BE MINIMUM 4'-0"; FOR DIA GREATER THAN 12", MINIMUM COVER SHALL BE 5'-0". FOR GRAVITY SEWER MAINS, MINIMUM COVER SHALL BE 4'-0". FOR SANITARY SEWER FORCE MAINS, MINIMUM COVER SHALL BE 5'-0". DEPTH OF COVER IS AS MEASURED FROM TOP OF PAVEMENT OR FINISHED GRADE TO TOP OF PIPE.
3. FOR FORCE MAINS, INSTALL TRACER WIRE ABOUT 12-18 INCHES ABOVE THE CROWN OF THE FORCE MAIN CONTINUOUSLY ALONG THE TRENCH IN ACCORDANCE WITH STANDARD DETAIL G04.
4. NO ROCK, ONLY BEDDING MATERIAL IN BACKFILL FOR FIRST 2'-0" ABOVE TOP OF PIPE.
5. FINAL BACKFILL MATERIAL UNDER NON-PAVED AREAS WITHIN THE ROAD RIGHT-OF-WAY SHALL BE PLACED IN LAYERS NOT TO EXCEED EIGHT (8) INCH THICKNESS AND SHALL BE COMPACTED TO NOT LESS THAN 90 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 - STANDARD PROCTOR. FINAL BACKFILL MATERIAL IN NON-PAVED AREAS OUTSIDE OF ROAD RIGHT-OF-WAY SHALL BE COMPACTED TO NOT LESS THAN 85 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 - STANDARD PROCTOR.
6. FINAL BACKFILL MATERIAL UNDER ROADWAYS AND OTHER PAVED AREAS SHALL BE PLACED IN LAYERS NOT TO EXCEED EIGHT (8) INCHES IN THICKNESS AND SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 95 % OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 - STANDARD PROCTOR. THE TOP TWELVE (12) INCHES OF SUB-BASE SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 698.
7. FINAL BACKFILL TO BE CRUSHER RUN UNDER ALL PAVING FROM 12" ABOVE THE TOP OF PIPE TO THE BOTTOM OF THE CONCRETE ROAD CAP.
8. BACKFILL TO BE FREE OF ORGANICS, OBJECTIONABLE MATERIAL AND STONES LARGER THAN 3" IN ITS LONGEST DIMENSION.
9. PLACE SUITABLE FILL IN LAYERS NOT EXCEEDING SIX (6) INCHES IN THICKNESS AND CONSOLIDATE BY TAMPING ON BOTH SIDES OF THE PIPE.

spalding county SCWA water authority

SPALDING COUNTY WATER AUTHORITY

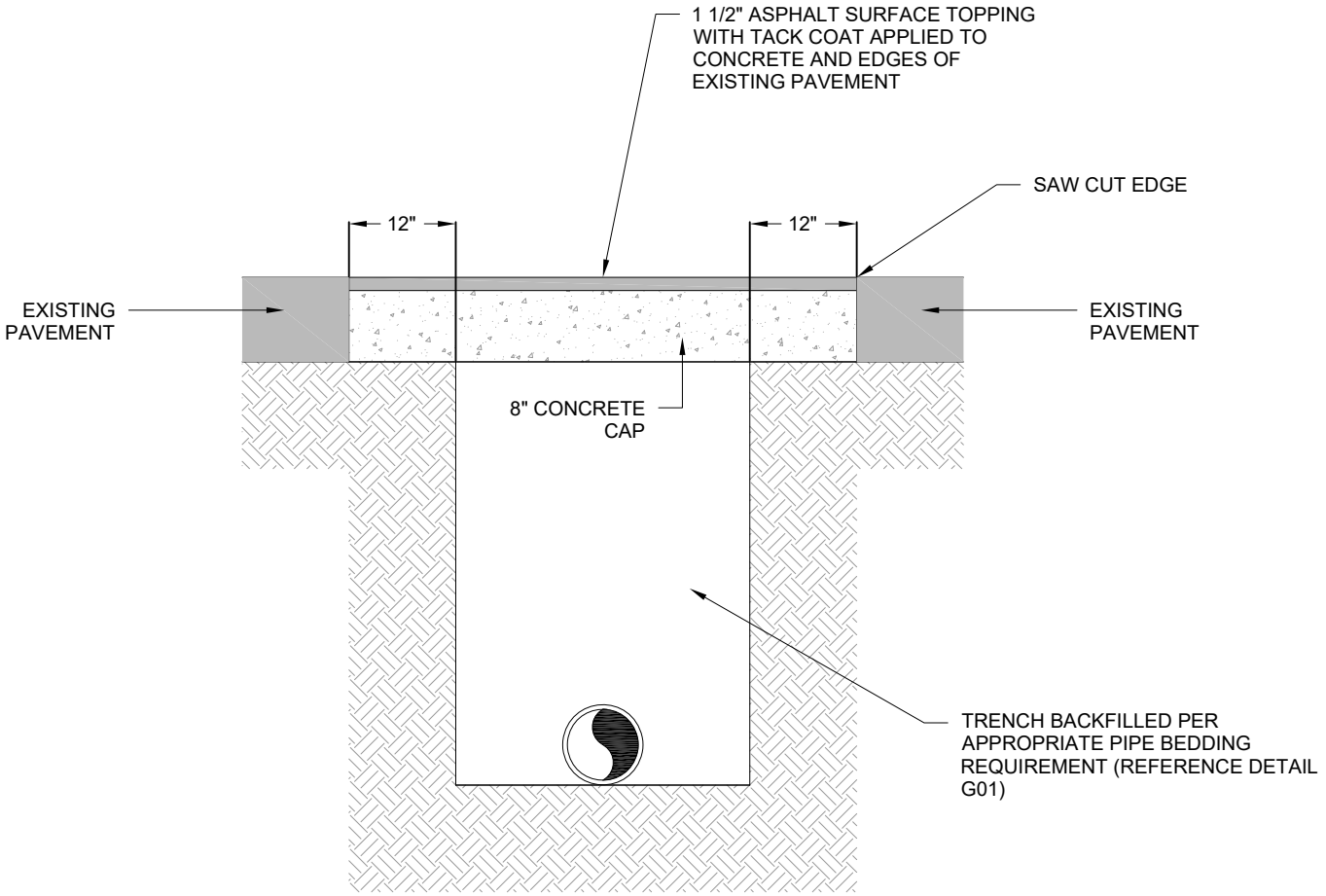
BACKFILL AND ALLOWABLE TRENCH WIDTHS

SPEC. DATE: 2026

REVISED: N/A

SCALE: N.T.S

DETAIL NO.
G01



NOTES:
1. THIS DETAIL IS THE MINIMUM PAVEMENT REPAIR REQUIREMENT.
2. SPALDING COUNTY DOT OR GEORGIA DOT PAVEMENT REPAIR DETAILS SHALL SUPERCEDE THIS DETAIL AND SHALL BE USED WHERE APPLICABLE.
3. CONCRETE FOR CONCRETE CAP SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI @ 28 DAYS.

spalding county SCWA water authority

SPALDING COUNTY WATER AUTHORITY

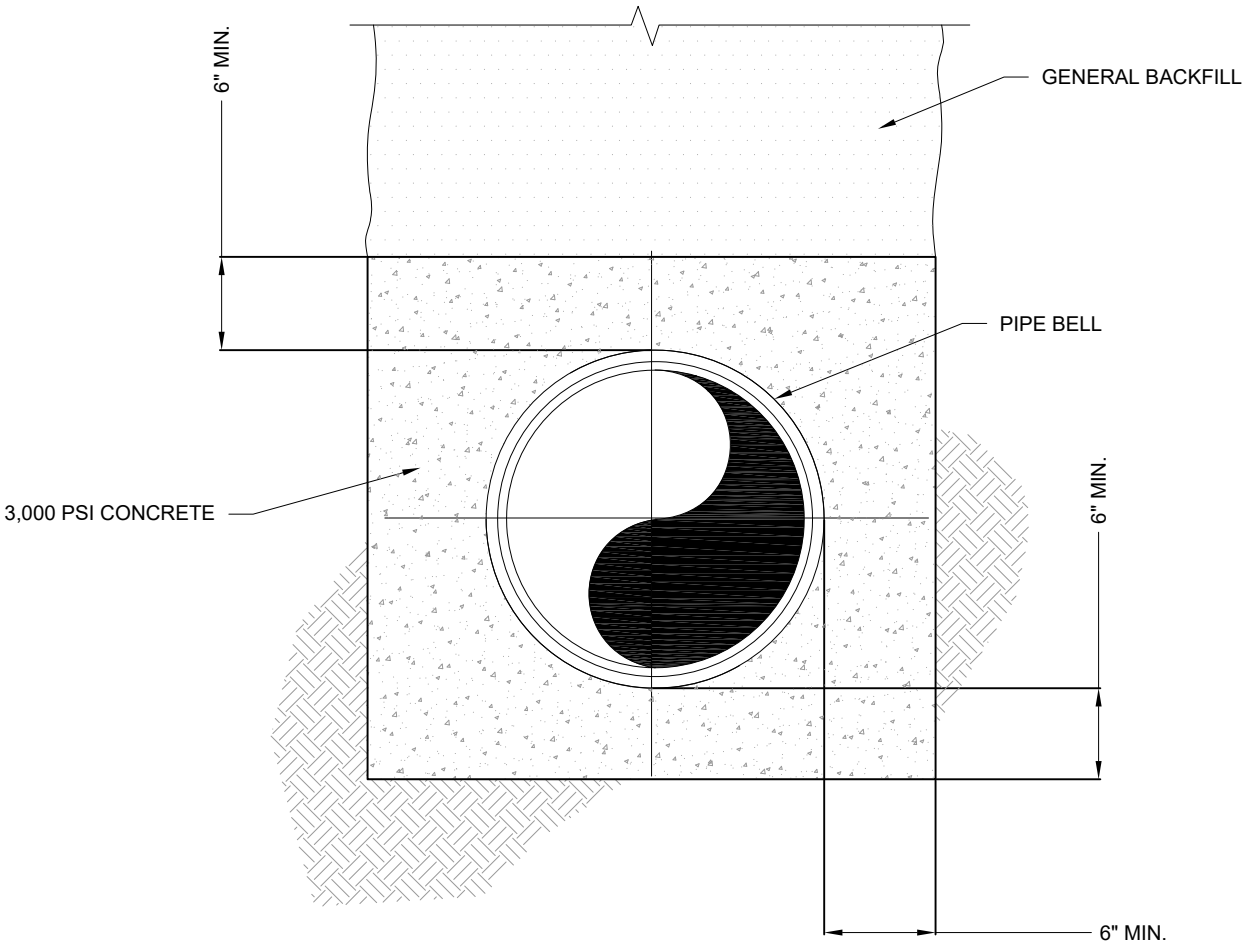
PAVEMENT REPAIR

SPEC. DATE: 2026

REVISED: N/A

SCALE: N.T.S

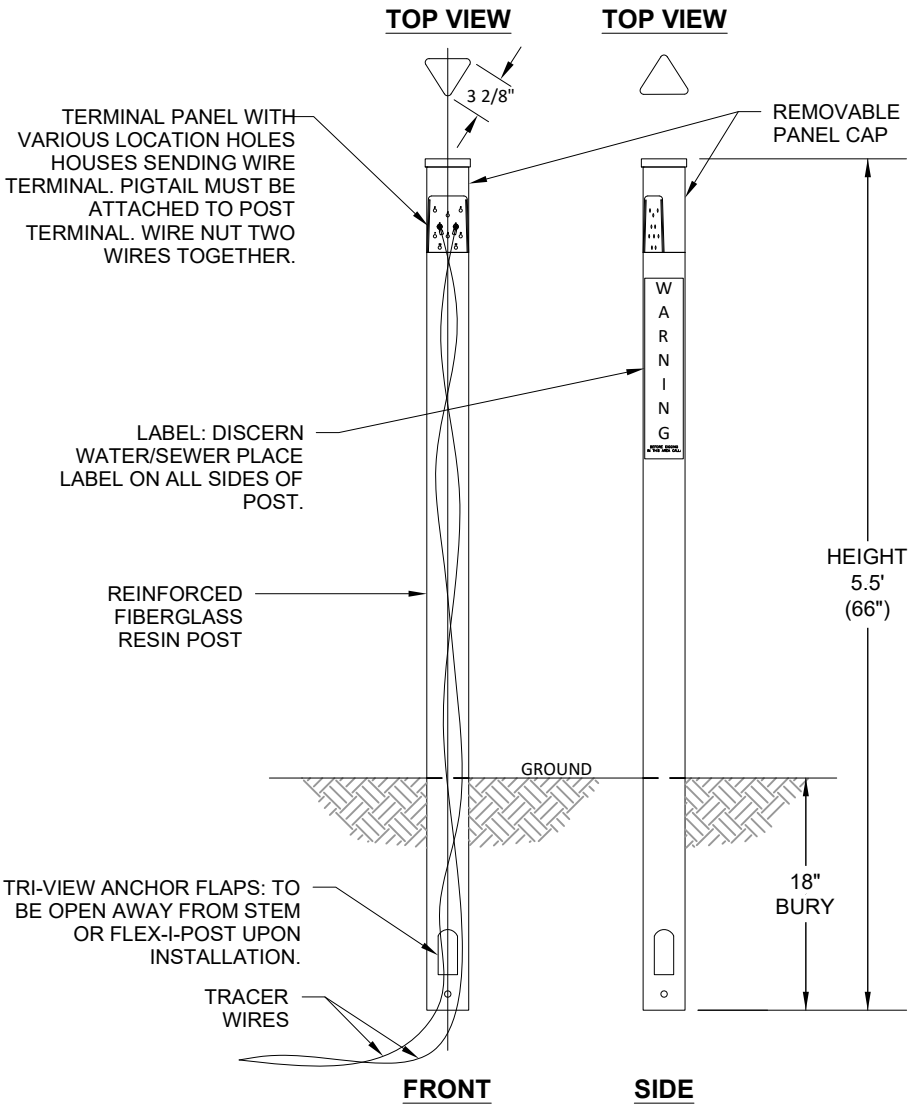
DETAIL NO.
G02



SPALDING COUNTY WATER AUTHORITY

CONCRETE ENCASEMENT

SPEC. DATE: 2026	
REVISED: N/A	
SCALE: N.T.S	
DETAIL NO.	G03



UTILITY COLOR CODE SPECIFICATIONS:

BLUE	WATER
GREEN	SEWER: SEWAGE AND DRAIN LINES
ORANGE	TELECOMMUNICATION: ALARM OR SIGNAL LINES, FIBER OPTIC CABLE, OR CONDUIT
RED	ELECTRICAL POWER LINES, CABLES OR CONDUIT, AND LIGHTING CABLES
YELLOW	NATURAL GAS: OIL, STEAM, PETROLEUM, OR OTHER GASEOUS OR FLAMMABLE MATERIAL
WHITE	PROPOSED EXCAVATION LIMITS OF ROUTE

NOTES:

1. TRACER WIRE SHALL BE DIRECT BURIAL #12 AWG SOLID, SOFT DRAWN, HIGH STRENGTH COPPER CLAD STEEL WIRE, 30-VOLT RATING.
2. TRACER WIRE SHALL BE 30-MIL HIGH MOLECULAR WIGHT, HIGH-DENSITY, POLYETHYLENE JACKET COMPLYING WITH ASTM D1248.
3. TRACER WIRES SHALL BE CONNECTED TOGETHER USING MOISTURE DISPLACEMENT CONNECTORS WITH STRAIN RELIEF. TRACER WIRE COLOR SHALL BE:
   - 3.1. WATER SERVICE - BLUE
   - 3.2. SANITARY SEWAGE SERVICE - GREEN
4. TRACER WIRE SHALL RUN CONTINUOUSLY ALONG THE PIPE/MAIN. SECURE TO NON-HDPE PIPE AT 5FT TO 10FT INTERVALS WITH
5. NON-CORROSIVE TIES OR TAPE. PROVIDE SLACK TO PREVENT TENSION FROM THERMAL EXPANSION, SETTLEMENT, OR TRENCHING.
6. UTILITY MARKERS TYPICALLY SPACED 4 TO 50 FEET DEPENDING ON TERRAIN. UTILITY MARKERS SHOULD BE PLACED CLOSELY ENOUGH THAT THE NEXT MARK IS CLEARLY VISIBLE FROM THE PREVIOUS ONE.
7. UTILITY MARKERS SHALL BE PLACED AT EVERY CURVE, BEND, AND CHANGES IN DIRECTION.

spalding county SCWA water authority

SPALDING COUNTY WATER AUTHORITY

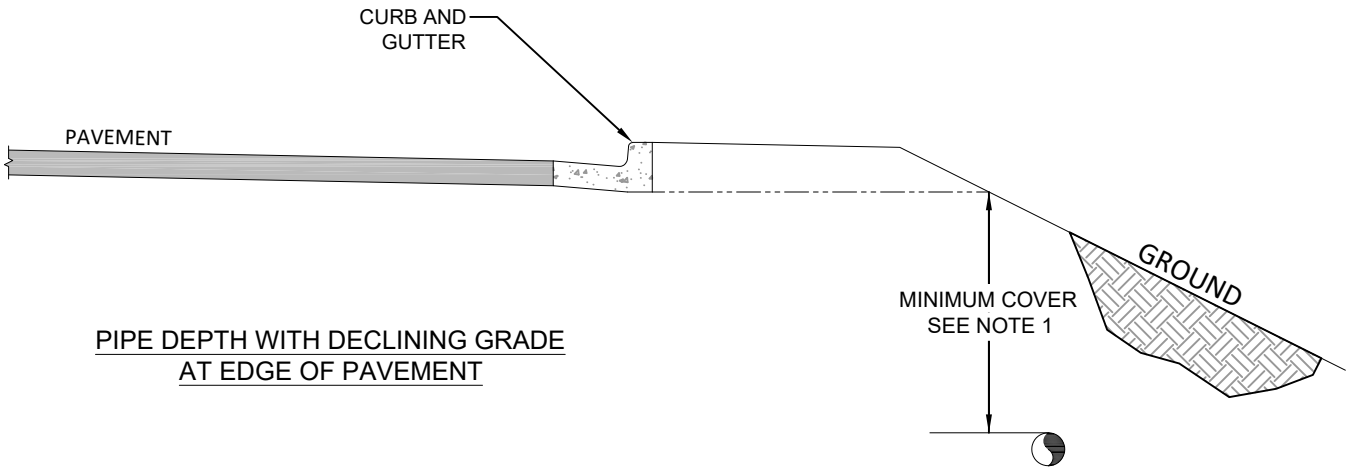
TRACER WIRE UTILITY MARKERS

SPEC. DATE: 2026

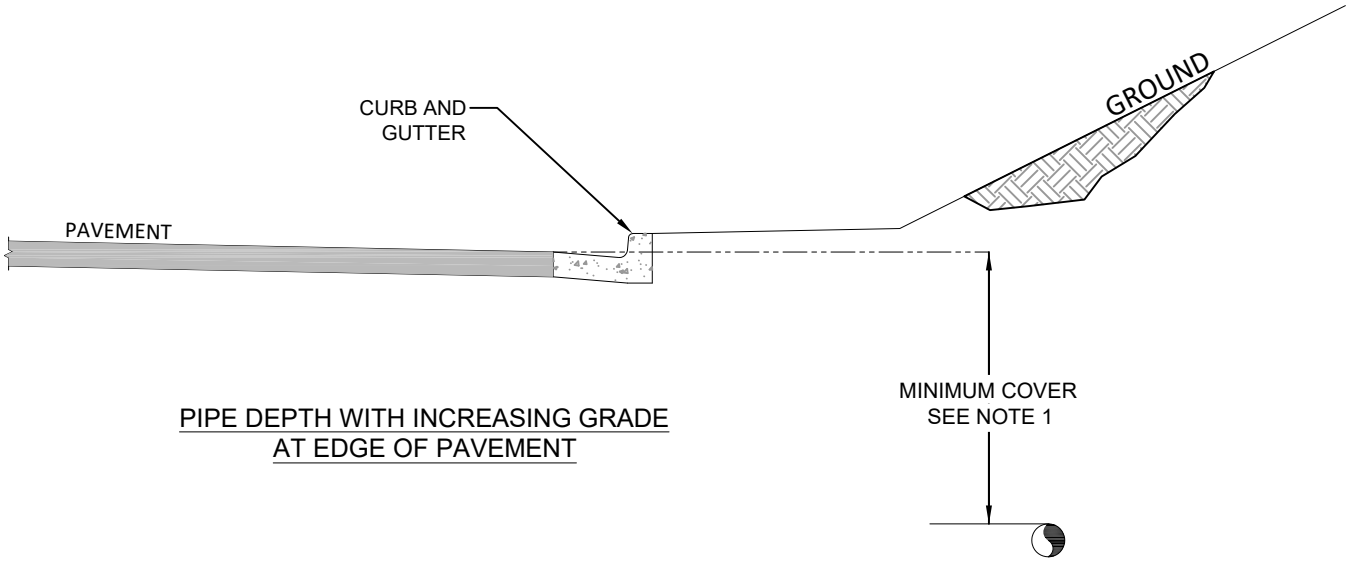
REVISED: N/A

SCALE: N.T.S

DETAIL NO. G04



PIPE DEPTH WITH DECLINING GRADE
AT EDGE OF PAVEMENT



PIPE DEPTH WITH INCREASING GRADE
AT EDGE OF PAVEMENT

NOTE:

1. DEPTH OF COVER OVER WATER MAINS LESS THAN 12" DIAMETER SHALL BE MINIMUM 4-FEET, FOR WATER MAINS GREATER THAN 12" DIAMETER, MINIMUM COVER SHALL BE 5-FEET UNLESS OTHERWISE APPROVED BY SCWA IN WRITING.

SPALDING COUNTY WATER AUTHORITY

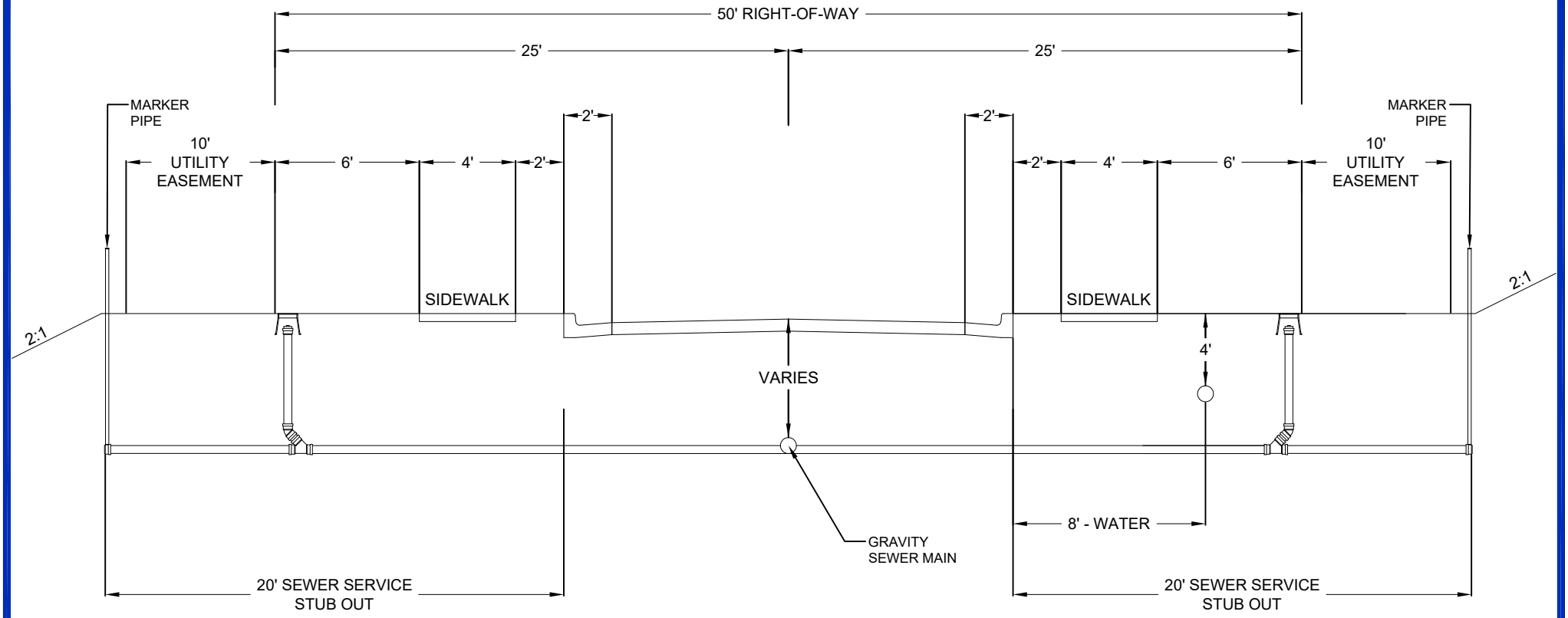
PIPE DEPTH AT EDGE OF PAVEMENT

SPEC. DATE: 2026

REVISED: N/A

SCALE: N.T.S

DETAIL NO.
G05



NOTES:

1. NO TREES OR FENCES ALLOWED WITHIN THE ROAD R/W OR UTILITY EASEMENT EXCEPT WHERE REQUIRED BY CITY, COUNTY, OR OTHER GOVERNMENT ORDINANCE.
2. ALL TREES SHALL BE CLEARED AND SHOULDERS GRADED WITHIN 6" OF FINAL GRADE (INCLUDING UTILITY EASEMENT) PRIOR TO INSTALLATION OF ANY UTILITIES.
3. UTILITY PLACEMENT SHALL REMAIN CONSISTENT FROM BACK OF CURB THROUGHOUT THE PROJECT REGARDLESS OF ANY INCONSISTENCIES IN ROAD CONSTRUCTION. EXAMPLES: STORM SEWERS, CULVERTS, CUL-DE-SACS, ETC...(EXCEPT CATV).
4. TOTAL CLEARED AND GRADED WIDTH TO BE SIXTY (60) FEET MINIMUM. ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION SHALL BE PLACED WITHIN TEN (10) FOOT UTILITY EASEMENT.
5. PROPERTY CORNER REFERENCE SHALL BE PLACED ON CURB AND GUTTER AND ON TEN (10) FOOT OFFSET STAKE.
6. TEN (10) FOOT UTILITY EASEMENT SHALL BE SHOWN AND RECORDED ON THE FINAL PLAT AND PROVIDED TO SCWA.
7. WATER METER BOXES SHALL BE LOCATED AT EDGE OF R/W.
8. SEWER SERVICE SHALL BE STUBBED OUT TWENTY (20) FEET FROM BACK OF CURB.
9. WATER LATERALS SHALL BE MARKED WITH A BLUE "W" ON CURB.
10. SEWER LATERALS SHALL BE MARKED WITH A GREEN "X" ON CURB.
11. DEPTH REQUIREMENTS INDICATE MINIMUM DEPTH AT TIME OF INSTALLATION BELOW CURB LINE.
12. THESE STANDARDS MAY BE COMBINED WITH GOVERNING ROADWAY JURISDICTION UTILITY PLACEMENT STANDARDS.
13. UTILITIES SHALL BE LOCATED WITHIN PLUS/MINUS 6" OF APPROVED PLAN LOCATION UNLESS APPROVED BY SCWA.
14. SEWER CLEAN OUT SHALL BE PROVIDED AT R/W LINE FOR EVERY SERVICE. NO COMBINED SEWER LATERALS ARE ALLOWED MAINTAIN MINIMUM EIGHTEEN (18) INCHES VERTICAL SEPARATION BETWEEN WATER AND SEWER AT ALL CROSSINGS. WATERLINE SHALL BE ABOVE SEWER.
15. ALL METER BOXES WITHIN TRAFFIC/DRIVE AREAS SHALL BE RATED FOR H-20 LOAD CAPACITY.

spalding county SCWA water authority

SPALDING COUNTY WATER AUTHORITY

RESIDENTIAL UTILITY PLACEMENT FOR ROAD WITH 50' RIGHT-OF-WAY

SPEC. DATE: 2026

REVISED: 11/2026

SCALE: N.T.S

DETAIL NO.
G06