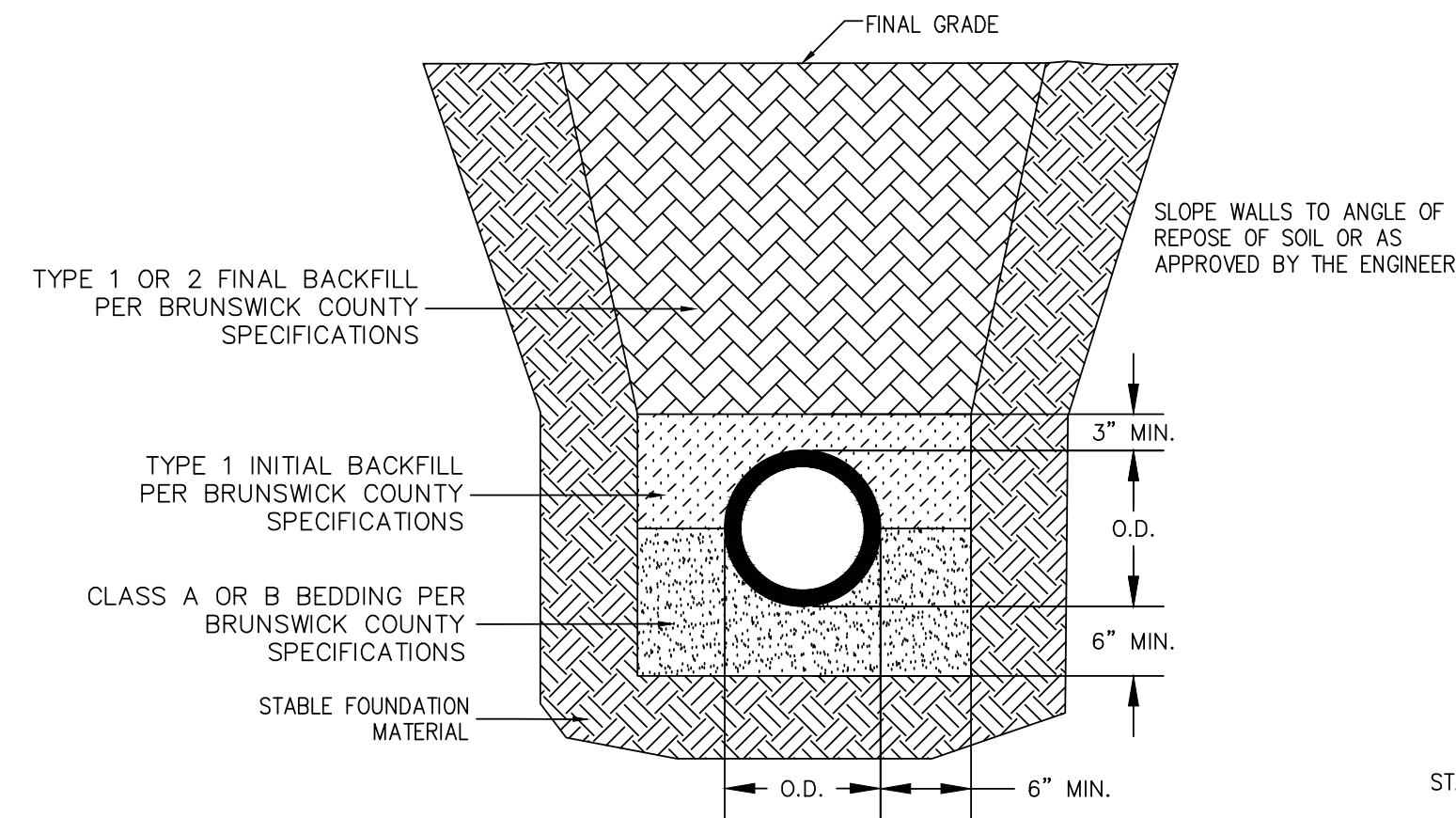


PROJECT TYPICAL DETAILS

PROJECT REFERENCE NO. <i>BR-0160</i>	SHEET NO. UC-3G
DESIGNED BY: <i>ARV</i>	
DRAWN BY: <i>ARV</i>	
CHECKED BY: <i>RLB</i>	
APPROVED BY:	
REVISED BY:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

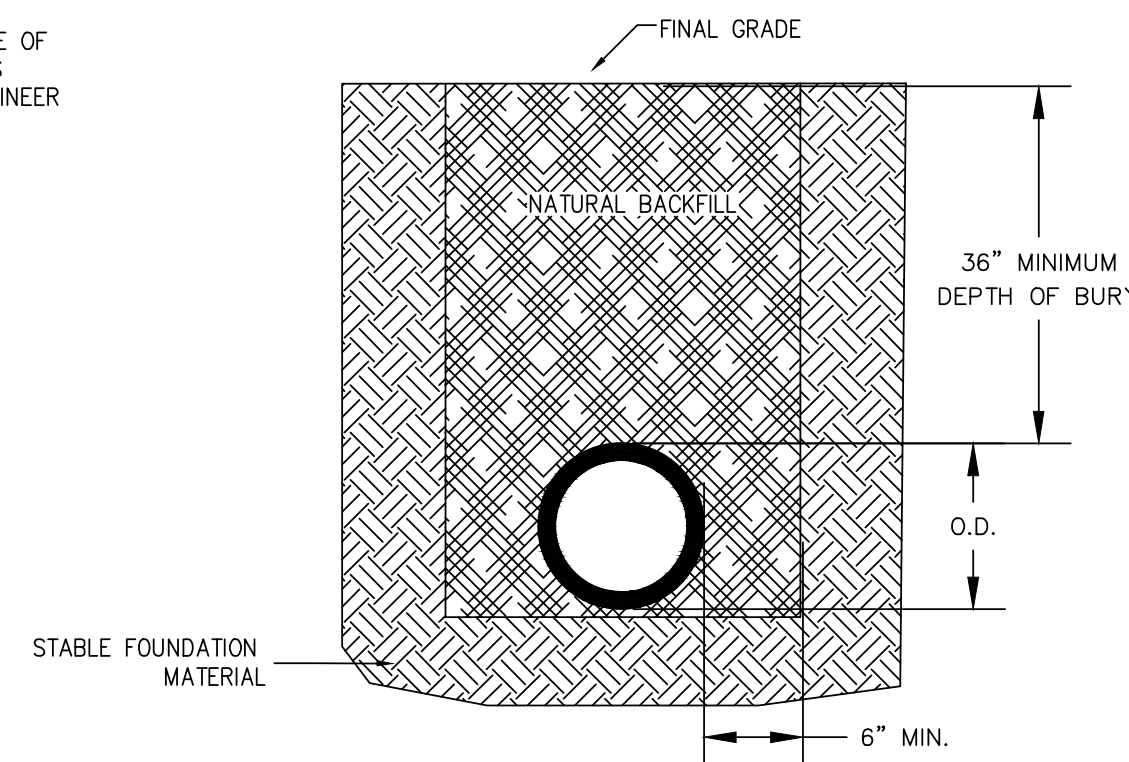
UTILITY CONSTRUCTION

- DEPTH < 20 FEET - CLASS "A" BEDDING
- UNDERCUT TRENCH BOTTOM 6 INCHES MINIMUM BELOW PIPE
 - FILL PIPE TO SPRING LINE WITH NO. 57 STONE
- DEPTH > 20 FEET - CLASS "B" BEDDING
- UNDERCUT TRENCH BOTTOM 6 INCHES MINIMUM BELOW PIPE
 - FILL TO 6 INCHES ABOVE PIPE WITH NO. 57 STONE
- INSTALLATIONS THAT EXCEED 20 FEET DEPTH SHALL BE DR-18 C900 MINIMUM OR PER MANUFACTURERS RECOMMENDATIONS

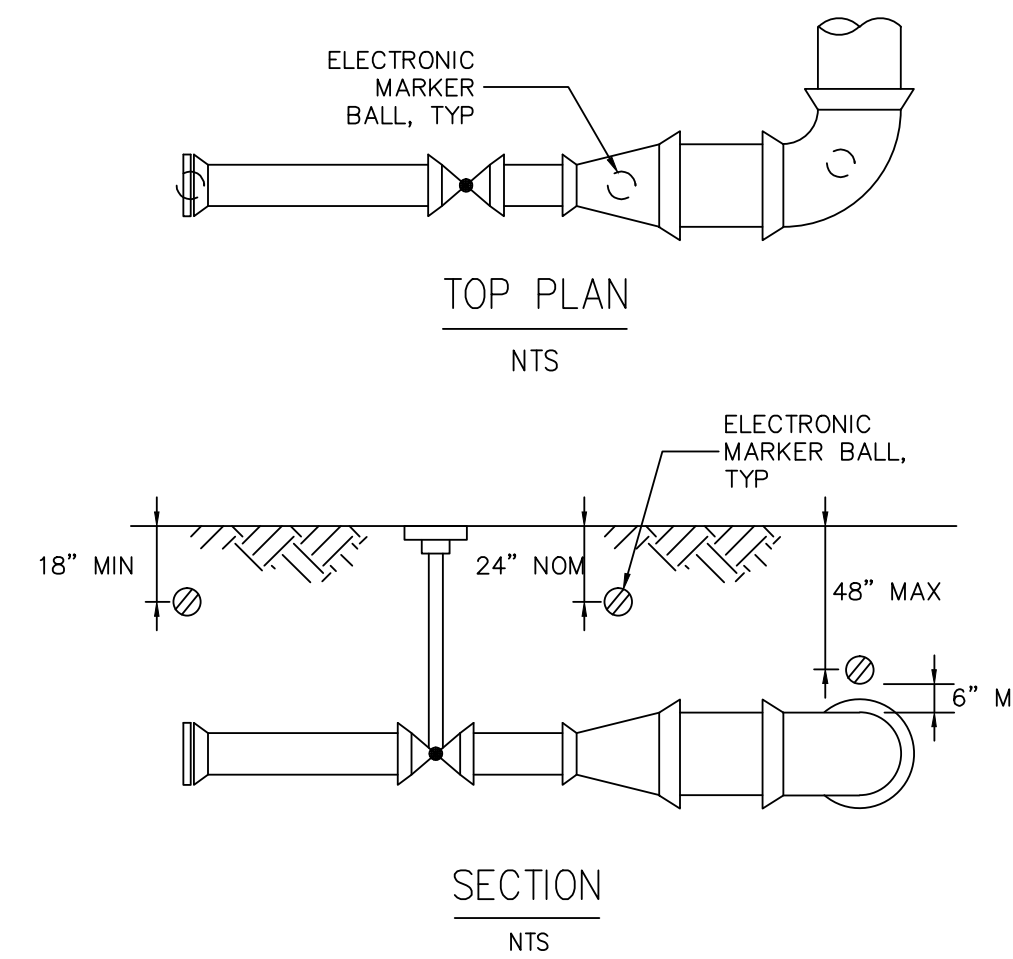


- NOTES:
1. REFER TO THE BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS FOR BACKFILL AND TRENCHING REQUIREMENTS
 2. PIPE SIZE AS INDICATED ON PLANS

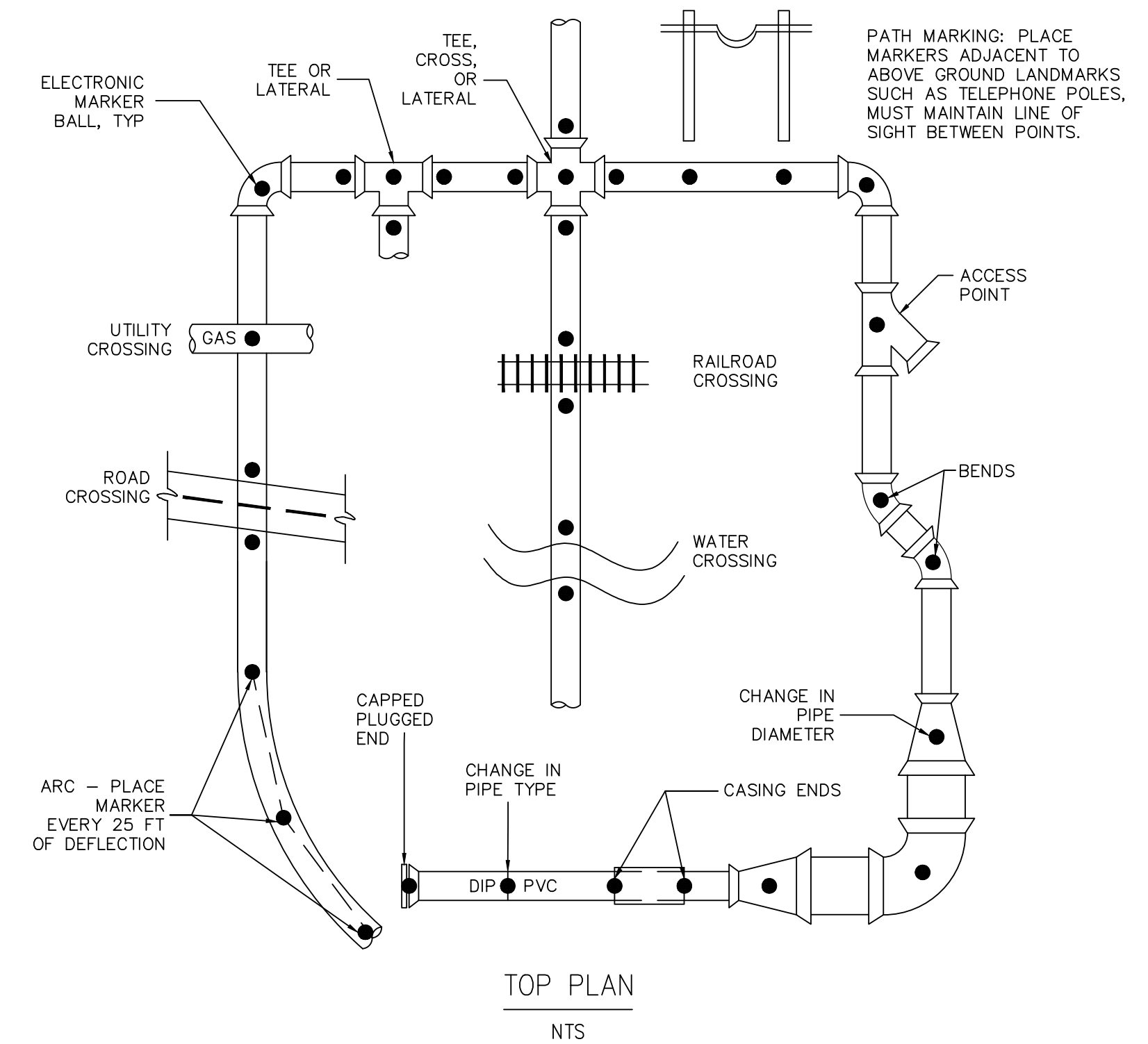
GRAVITY SEWER
PIPE TRENCH/BEDDING DETAIL
DETAIL WS-22



WATERMAIN AND/OR SEWER FORCEMAIN (PRESSURE PIPE)
PIPE TRENCH/BEDDING DETAIL
DETAIL WS-22A



- NOTES:
1. ELECTRONIC MARKER BALL MATERIALS SHALL BE AS FOLLOWS:
 - a. WATER - 3M SCOTCHMARK ELECTRONIC MARKER, MODEL # 1403-XR, 4-INCH DIAMETER, BLUE
 - b. SEWER - 3M SCOTCHMARK ELECTRONIC MARKER, MODEL # 1404-XR, 4-INCH DIAMETER, GREEN
 - c. RECLAIMED WATER - 3M SCOTCHMARK ELECTRONIC MARKER, MODEL # 1408-XR, 4-INCH DIAMETER, PURPLE
 2. PLACEMENT SHALL CONFORM TO DETAILS ABOVE. FOR FURTHER GUIDANCE, REFER TO BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS SECTION TITLED "ELECTRONIC MARKER BALLS FOR WATER AND SEWER FORCE MAINS".



ELECTRONIC MARKER
BALL PLACEMENT DETAIL
DETAIL WS-23

5/14/99
 07-DEC-2021 15:17
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 \$\$\$USERNAME\$\$\$