

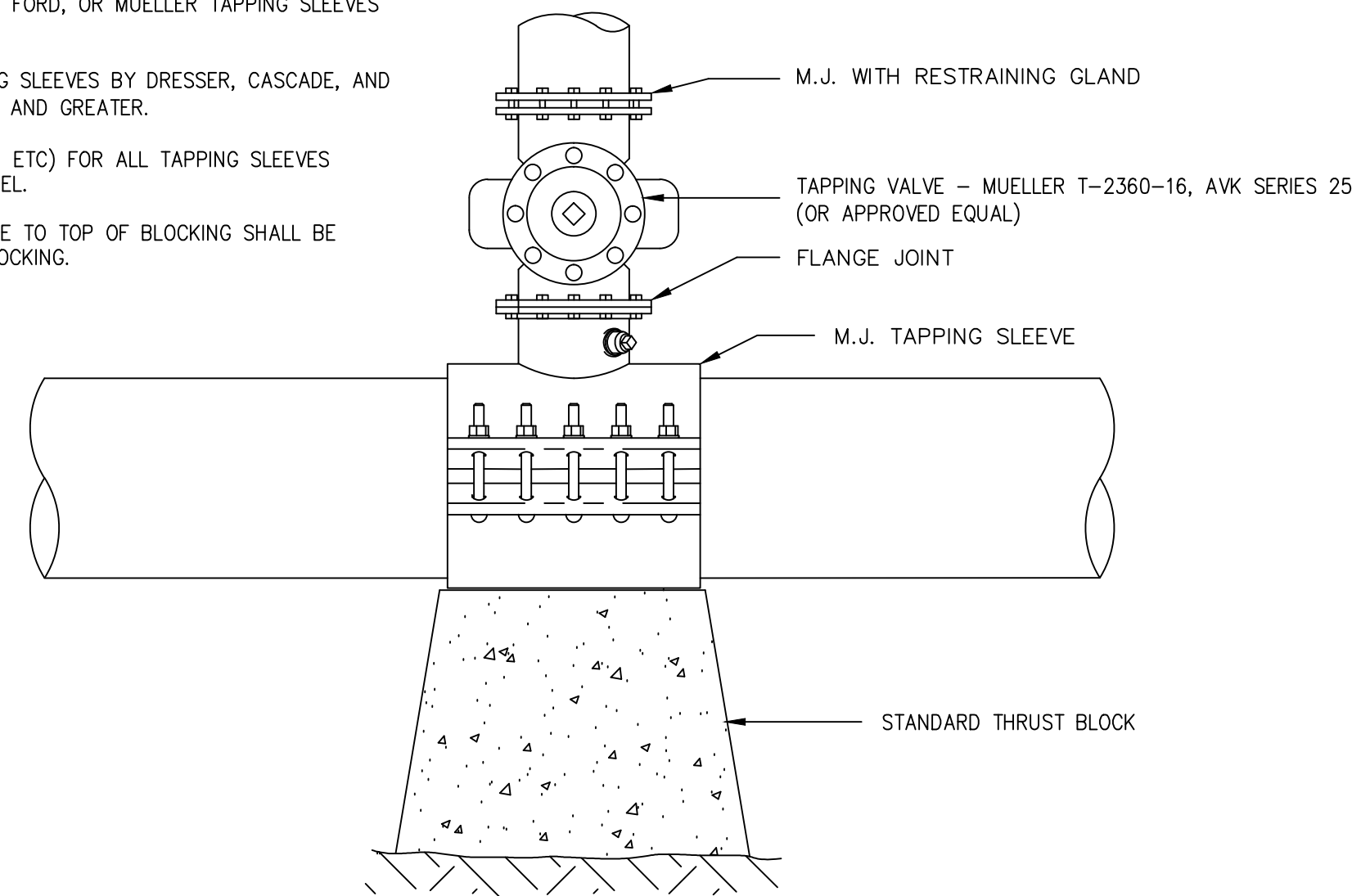
PROJECT TYPICAL DETAILS

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

UTILITY CONSTRUCTION

NOTES:

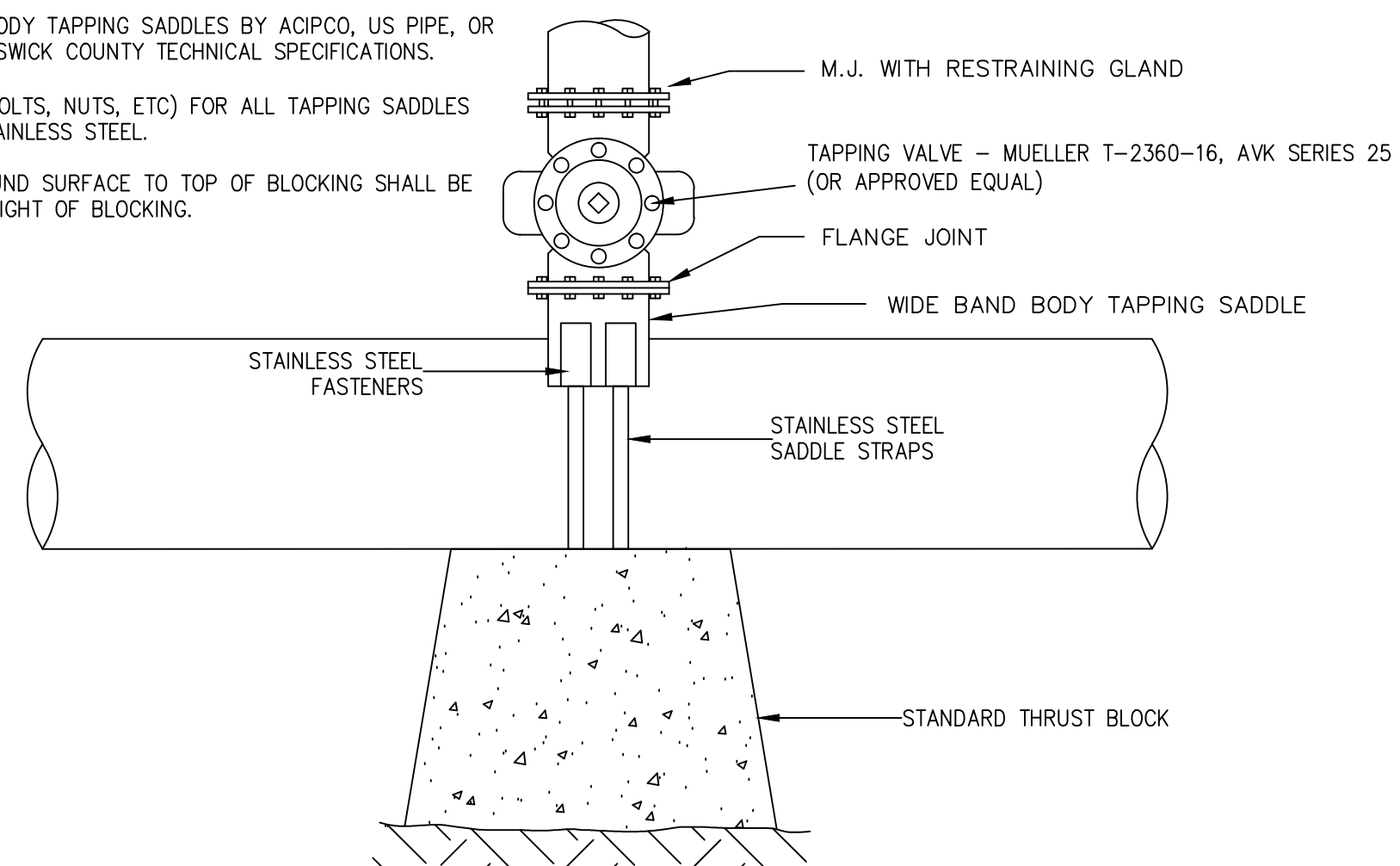
- TAPPING SADDLES ARE NOT ALLOWED WHEN CONNECTING MAIN DIAMETER IS 50% OR LARGER THAN EXISTING MAIN TO BE TAPPED.
- USE STAINLESS STEEL ROMAC, FORD, OR MUELLER TAPPING SLEEVES FOR TAP SIZES 4" - 24".
- USE STAINLESS STEEL TAPPING SLEEVES BY DRESSER, CASCADE, AND JCM FOR TAPS ON MAINS 30" AND GREATER.
- ALL HARDWARE (BOLTS, NUTS, ETC) FOR ALL TAPPING SLEEVES SHALL BE 304 STAINLESS STEEL.
- DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.



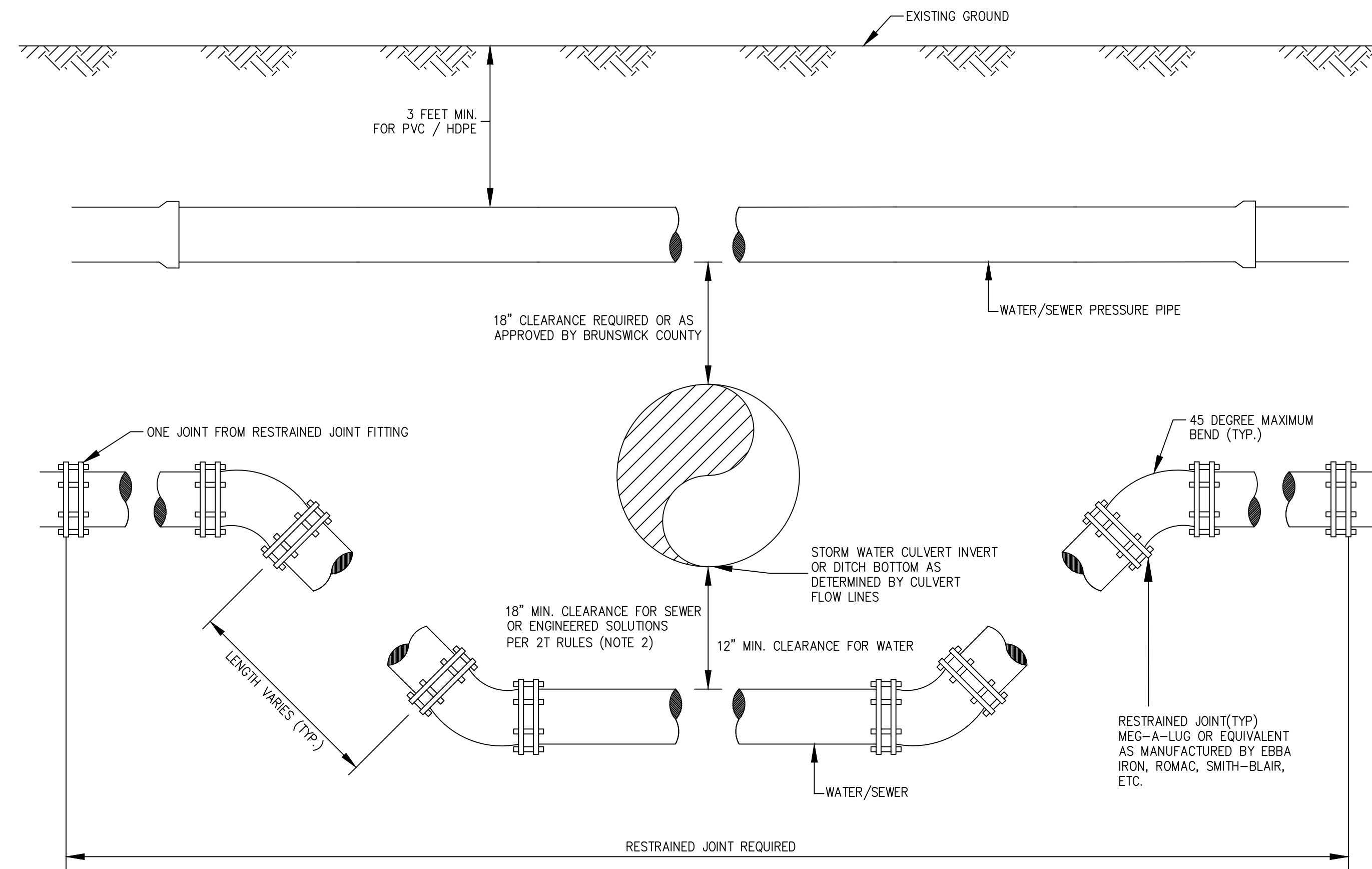
TAPPING SLEEVE & VALVE ASSEMBLY
DETAIL WS-18

NOTES:

- TAPPING SADDLES ARE NOT ALLOWED WHEN CONNECTING MAIN DIAMETER IS 50% OR LARGER THAN EXISTING MAIN TO BE TAPPED.
- USE WIDE BAND BODY TAPPING SADDLES BY ACIPCO, US PIPE, OR EQUAL, PER BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS.
- ALL HARDWARE (BOLTS, NUTS, ETC) FOR ALL TAPPING SADDLES SHALL BE 304 STAINLESS STEEL.
- DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.



TAPPING SADDLES & VALVE ASSEMBLY
DETAIL WS-19



NOTES:

- USE STAINLESS STEEL THREADED RODS, MEGA-LUG OR APPROVED EQUAL FOR JOINT RESTRAINT.
- SEWER REQUIRES DR-18 C900 UNLESS OTHERWISE APPROVED BY BRUNSWICK COUNTY.
- WATER MAY BE DIP OR DR-18 C900 PIPE.

DITCH AND/OR STORM DRAIN CROSSING
OFFSETS BETWEEN WATER/SEWER
PRESSURE MAIN AND STORM DRAIN
DETAIL WS-20

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