- CONTRACTOR SHALL REPAIR ALL SEWER LATERALS AND MAINS DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY REPORT ALL SEWER MAIN AND LATERAL BREAKS TO THE FAYPWC PROJECT COORDINATOR. THE CONTRACTOR SHALL INITIATE IMMEDIATE REPAIRS IN ACCORDANCE WITH FAYPWC STANDARDS.
- SEWER MAINS, LATERALS, AND MANHOLES SHALL BE INSTALLED UTILIZING A FAYPWC APPROVED CUT-SHEET, INDICATING INSTALLATION DEPTH.
- TRANSFER OF SEWER SERVICES SHALL BE ACCOMPLISHED AS FOLLOWS: A. INSTALL AND TEST NEW MAINS, MANHOLES, AND LATERALS. CLEANOUTS SHALL BE INSTALLED 18" INSIDE R/W UNLESS OTHERWISE DIRECTED BY FAYPWC.

B. CONNECT EXISTING PLUMBING TO NEW LATERAL UTILIZING THE NECESSARY

- FITTINGS AS DIRECTED BY FAYPWC C. AFTER ALL SERVICES HAVE BEEN TRANSFERRED TO THE NEW MAIN. THE EXISTING SEWER SYSTEM SHALL BE ABANDONED IN ACCORDANCE WITH
- WHEN THE EXISTING MAIN IS NOT TO BE ABANDONED, THE CONTRACTOR SHALL UNCOVER THE EXISTING LATERAL AT THE MAIN, CUT AND PLUG BOTH ENDS, REMOVE THE EXISTING CLEANOUT AND COMBINATION, AND PLUG THE LATERAL TO ABANDON THE OLD SERVICE.
- SEWER PLUGS SHALL BE INSTALLED TO ELIMINATE ANY DEBRIS OR OTHER MATERIAL FROM ENTERING THE ACTIVE SEWER SYSTEM. UPON ACCEPTANCE OF THE NEW SEWER SYSTEM, THE CONTRACTOR SHALL CLEAN THE NEW MAINS, REMOVE ALL DEBRIS, AND THEN REMOVE THE PLUG.

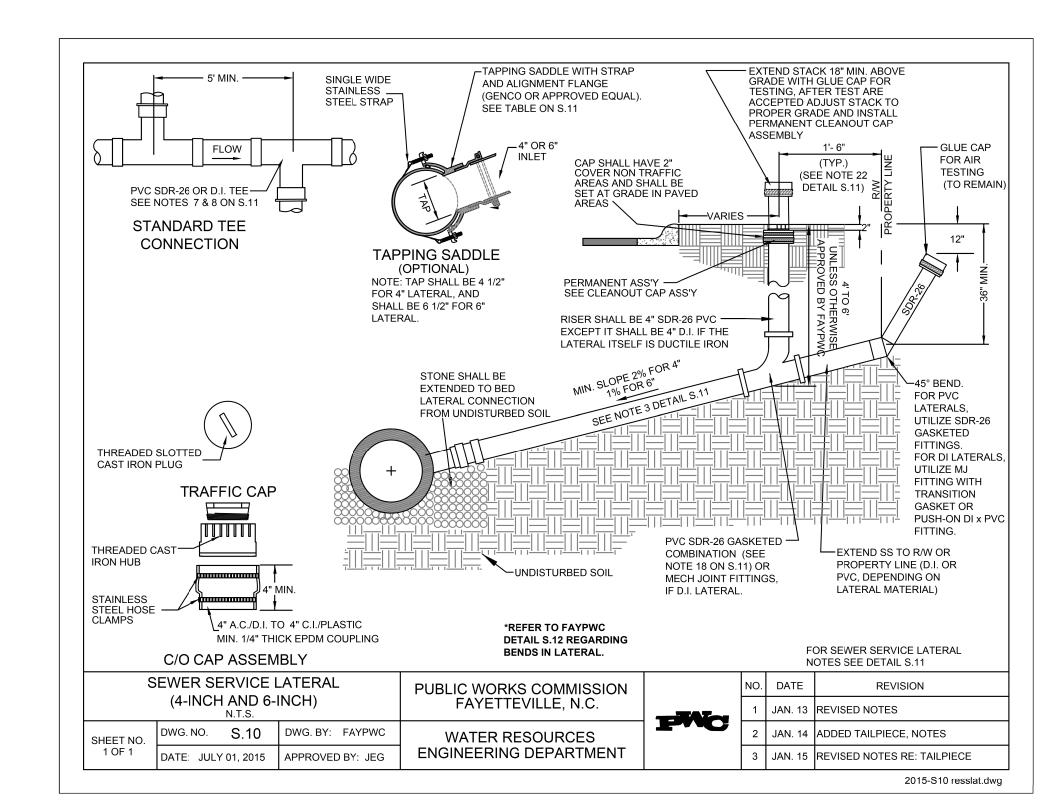
FAYPWC REQUIREMENTS

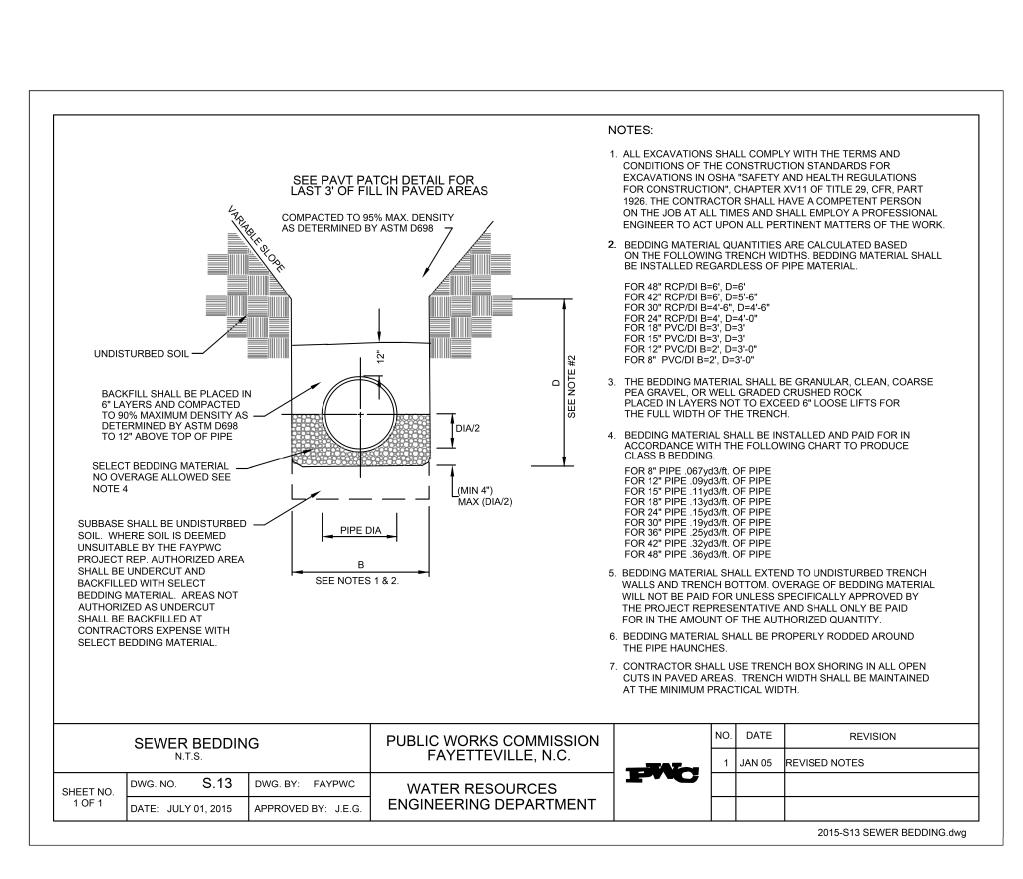
- A. LATERAL SEPARATION OF SEWERS AND WATER MAINS: WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWER MAIN/LATERAL, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10-FOOT LATERAL SEPARATION - IN WHICH CASE:
- i. THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN/LATERAL; OR
- ii. THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER MAIN/LATERAL WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH AND WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER

- B. CROSSING A WATER MAIN OVER A SEWER: WHENEVER IT IS NECESSARY FOR A VATER MAIN TO CROSS OVER A SEWER MAIN/LATERAL, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN/LATERAL, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT AN 18 INCH VERTICAL SEPARATION IN WHICH CASE BOTH THE WATER MAIN AND SEWER MAIN/LATERAL SHALL BE CONSTRUCTED OF FERROUS MATERIAL AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
- C. **CROSSING WATER MAIN UNDER A SEWER:** WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER MAIN/LATERAL. BOTH THE WATER MAIN AND THE SEWER MAIN/LATERAL SHALL BE CONSTRUCTED OF DUCTILE IRON MATERIAL AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
- D. CROSSING STORM DRAINAGE LINES: A MINIMUM OF 24-INCHES OF VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN A SEWER MAIN/LATERAL CROSSING UNDER A STORM DRAINAGE LINE UNLESS DUCTILE IRON PIPE IS USED. IF DUCTILE IRON PIPE IS USED, A MINIMUM OF SIX(6) INCHES OF SEPARATION SHALL BE MAINTAINED, UNLESS OTHERWISE APPROVED BY PWC.

	GENERAL				PUBLIC WORKS COMMISSION		NO.	DATE	REVISION
SAN	IITARY SE	WER U	TILITY		FAYETTEVILLE, N.C.	FWC			
HEET NO.	DWG. NO.	S.1	DWG. BY:	FAYPWC	WATER RESOURCES				
1 OF 1	DATE: JULY 0	01, 2015	APPROVED	BY: J.E.G.	ENGINEERING DEPARTMENT				

2015-S1 SEWER NOTES.dwg







- 2. LATERAL SHALL CONFORM TO ASTM SPECS. D-3034
- SDR-26 UNLESS OTHERWISE INDICATED AS D.I. 3. ALL PIPE & FITTINGS SHALL BE 4" OR 6" UNLESS
- OTHERWISE SPECIFIED 4. ALL D.I. PIPE SHALL HAVE AN INTERIOR LINING OF
- LATERAL SHALL BE COMPRISED OF D.I. PIPE & MECHANICAL JOINT FITTINGS. 5. ALL CONNECTIONS SHALL HAVE RUBBER GASKET SEALS
- INSTALLED. 6. SANITARY SEWER SERVICE C/O STACK SHALL BE
- LOCATED 18" FROM WATER SERVICE LOCK VALVE WHEN IN THE SAME DITCH. 7. INSTALLATION OTHER THAN AS SHOWN MUST BE
- APPROVED BY THE FAYPWC. 8. CONNECTIONS TO THE TOP OF MAIN SHALL NOT BE ALLOWED, UNLESS OTHERWISE APPROVED BY THE
- FAYPWC PROJECT COORDINATOR. 9. SLOPE AND DEPTH OF THE SERVICE LATERAL SHALL BE DETERMINED BY THE TOPOGRAPHY OF THE LOT AS APPROVED BY THE FAYPWC ENGINEER OR AS
- INDICATED ON THE DRAWINGS. 10. LATERAL SHALL CONFORM TO THE 2% MINIMUM SLOPE FOR THE 4" OR THE 1% MINIMUM SLOPE FOR THE 6". MAXIMUM CLEAN OUT SPACING FOR 4" PIPE 75', 6" PIPE
- 11. SEE INTERIOR DROP STRUCTURE OR SLIDE, MORTAR SLIDE & SHELF DETAIL FOR VERTICAL DROPS OF MAINS AND LATERALS.

- 1. HOLE IN SANITARY SEWER MAIN MUST BE CUT WITH 12. LATERALS LESS THAN 3' IN DEPTH OR GREATER THAN 20' DEPTH SHALL (PROTECTO 401), OR WHEN SEPARATION REQUIREMENTS CANNOT BE MET. 13. ENTIRE SEWER LATERAL ASSEMBLY SHALL BE AIR TESTED
  - 14. INDIVIDUAL LATERALS SHALL BE CLEANED AND FLUSHED PRIOR TO FLUSHING SANITARY SEWER MAINS.

CONCURRENTLY WITH SEWER MAIN.

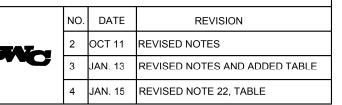
- CERAMIC EPOXY (PROTECTO 401). THE ENTIRE D.I. 15. LATERAL SHALL NOT BE BACK-FILLED UNTIL INSPECTED BY THE FAYPWC PROJECT COORDINATOR
  - 16. WYE CONNECTIONS SHALL NOT BE USED TO TIE LATERALS INTO A MANHOLE. 17. IF BENDS ARE APPROVED BY THE PROJECT COORDINATOR, STONE
  - BEDDING IS REQUIRED TO BE INSTALLED FROM UNDISTURBED (SEE DETAIL S.12) SOIL TO BOTTOM OF BEND. 18. PVC COMBINATION SHALL BE A MOLDED WYE AND BEND, GASKETED,
  - SDR-26, AS MANUFACTURED BY HARCO, GPK OR APPROVED EQUAL. 19. NO MORE THAN 4, FOUR INCH LATERALS OR 3, SIX INCH LATERALS SHALL ENTER A 4' DIAMETER TERMINAL MANHOLE. NO MORE THAN 2
  - LATERALS (REGARDLESS OF SIZE) SHALL ENTER ALL OTHER 4' DIAMETER MANHOLES, ALL LATERALS SHALL HAVE AN INDIVIDUAL TROUGH. 5' DIAMETER MANHOLES SHALL BE USED IF THE ABOVE CONDITIONS ARE NOT MET.
  - 20. ALL LATERALS (4" AND 6") SHALL UTILIZE A 4" RISER (STACK). 21. REFER TO DETAIL S.12 FOR SEPARATION REQUIREMENTS. 22. FOR SINGLE FAMILY RESIDENTIAL LOTS, CLEAN-OUT SHALL BE LOCATED
  - 18" FROM R/W OR EASEMENT. FOR ALL NON-SINGLE FAMILY LOTS, CLEAN-OUT SHALL BE NO CLOSER THAN 10' TO FRONT OF BUILDING, UNLESS OTHERWISE APPROVED BY FAYPWC.

THE FOLLOWING TABLE SUMMARIZES THE MATERIALS TO BE UTILIZED FOR SEWER MAIN TO LATERAL CONNECTIONS:

DI fitting or approved saddle
PVC fitting or approved saddle
MJ fitting or approved saddle
MJ fitting with transition gasket or approved saddle

NOTE: INFORM	 ТО	FAYPWC	TECHNICAL	SPECIFICATIONS	FOR	ADDITIONAL

PUBLIC WORKS COMMISSIC FAYETTEVILLE, N.C.	SEWER SERVICE LATERAL NOTES (4-INCH AND 6-INCH)						
WATER RESOURCES	DWG. BY: FAYPWC	DWG. NO. S.11	HEET NO.				
ENGINEERING DEPARTMEN	APPROVED BY: JEG	DATE: JULY 01, 2015	1 OF 1				



2015-S11 RESSLAT notes.dwg

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WWW.DMP-INC.COM LICENSE: F-0245

PROJECT REFERENCE NO.

W-5519

DMP

UTILITY CONSTRUCTION

DESIGNED BY: DMP

NORTH CAROLINA **DEPARTMENT OF** TRANSPORTATION

JTILITIES ENGINEERING SE

PHONE: (919) 707-6690

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DRAWN BY:

REVISED:

CHECKED BY: **APPROVED BY:**  SHEET NO.

UC-3A

9/16/2015

**UTILITY CONSTRUCTION** 

PLANS ONLY