

NON-DETECTABLE

THICKNESS, TO BE

INSTALLED APPROX. 24" ABOVE PIPE AND AT A MINIMUM OF 6" BELOW GRADE.

STONE TO BE PLACED

6" ABOVE SEWER PIPE.

S-30

WARNING TAPE.

3 TO 5 MILS IN

(6" IN ROCK

CONDITIONS)

WIDTH OF TRENCH EXCAVATION

MANUFACTURER'S RECOMMENDATION.

FROM VDOT AND/OR APPLICABLE LOCALITY.

APPLICABLE LOCALITY.

REVISION DATE

. BEDDING, HAUNCHING AND INITIAL BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH

2. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 OR #68 STONE.
3. IN ROANOKE COUNTY, THE CONTRACTOR SHALL REPLACE THE OPEN CUT WITH A MINIMUM TOP

4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE AS SPECIFIED BY VDOT OR

PRIOR TO CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS

BEDDING AND BACKFILL UNDER PAVEMENT AND RIGHT-OF-WAY

6. IN AREAS SUBJECTED TO VEHICULAR TRAFFIC, BEDDING STONE AND FILL SHALL BE PLACED IN 6" LIFTS AND SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY

BY CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS.

FOR DUCTILE SEWER LINE ARE DEPENDENT ON MANUFACTUER'S BEDDING CRITERIA.

9. ALL EXCAVATIONS SHALL COMPLY WITH OSHA TECHNICAL MANUAL, CHAPTER 2, TITLED "EXCAVATIONS: HAZARD RECOGNITION IN TRENCHING AND SHORING."

EXCAVATION LIMITS

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

BEDDING AND BACKFILL OUTSIDE OF PAVED AREAS

- PIER AT NEAREST

- SANITARY SEWER OR WATER (DR-14)

- (DR-14) C900 PVC PIPE

SANITÁRY SEWER OR WATER

-COMPACTED GRAVEL NO 57

- STORM SEWER

1. PIER REQUIRED WHEN STORM DRAIN OR OTHER PIPES

CROSSES OVER THE OTHER UTILITY WITH A VERTICAL

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

CONCRETE PIER

CLEARANCE OF LESS THAN 18".

2. PIER TO BE BUILT ON UNDISTURBED EARTH. 3. CONCRETE TO BE READY MIX, CLASS A3.

JOINT ON EACH SIDE

BACKFILL ONLY WITH APPROVED MATERIAL PER APPLICABLE

LOCALITY OR VDOT STANDARDS

REVISION DATE

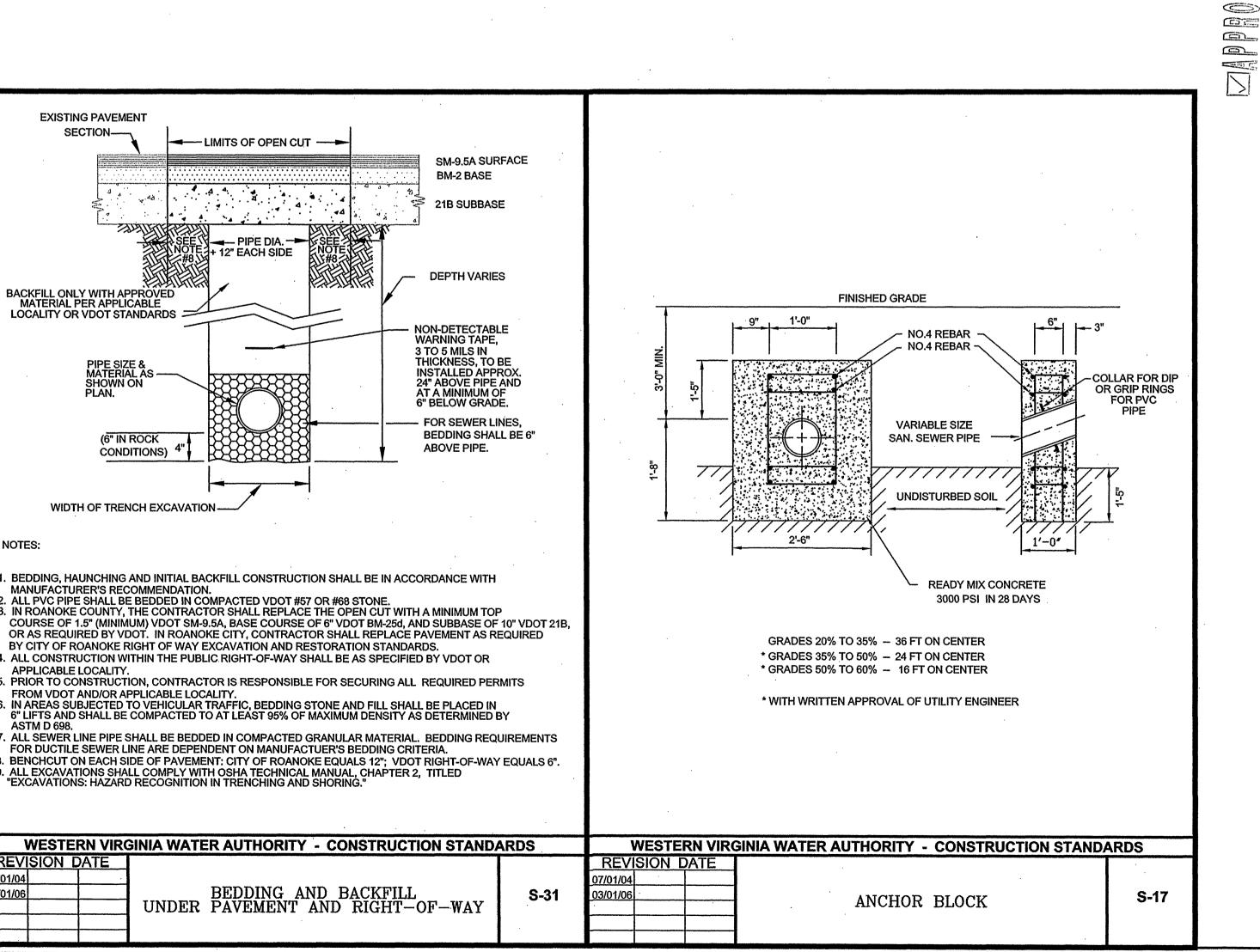
S-16

NORMAL SOIL

CONDITIONS

(6" IN ROCK

CONDITIONS)



3 TO 5 MILS IN

THICKNESS, TO BE

INSTALLED APPROX

24" ABOVE PIPE AND AT A MINIMUM OF

- FOR SEWER LINES,

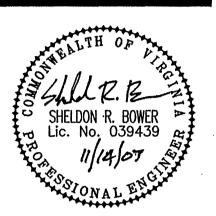
6" BELOW GRADE.

ABOVE PIPE.



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REVISIONS: DESIGNED BY: DRAWN BY: **CHECKED BY**

SHEET TITLE: **Sanitary Sewer**

SCALE:

N.T.S.

July 20, 2007

PROJECT NUMBER: 06-0402-04