

(SDR NOT ACCEPTABLE)

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

SAMPLING STRUCTURE DETAIL

TO FIT OVER PIPE W/WATER

REVISION DATE

03/01/06

NOTES:

1. NOT ACCEPTABLE FOR USE IN TRAFFIC AREAS OR AREAS SUBJECT TO FLOODING.

2. VACUUM OR EXFILTRATION TESTING SHALL BE USED. VACUUM TESTING SHALL MEET THE SAME STANDARD FOR CONCRETE MANHOLES. EXFILTRATION TESTING SHALL HAVE NO LEAKAGE WITHIN 1 HOUR.

3. "AquaBlok" WASTEWATER ACCESS CHAMBERS MAY BE SUBSTITUTED. TRAFFIC BEARING BOXES WILL BE REQUIRED IF INSTALLED IN TRAFFIC AREAS. TESTING OF "AquaBlok" SHALL BE BY APPLICABLE PLUMBING CODE FOR SEWER LATERALS.

SANITARY SEWER LATERAL

PIPE W/WATER PROOF SEALANT (MUST BE BONDABLE W/CONCRETE)

||ALUMINUM|

HATCH

REVISION DATE

(A) METER FOR DOMESTIC SERVICE

1. FOR 6" FIRE LINE, EXTERIOR VAULT DIMENSIONS SHALL BE 6' X 6' 2. FOR 8" FIRE LINE, EXTERIOR VAULT DIMENSIONS SHALL BE 11' X 7'

3. VAULT TO BE FURNISHED AND INSTALLED BY WVWA AT OWNER/DEVELOPERS

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WATER VAULT

(B) DOUBLE DETECTOR CHECK ON FIRE LINE

© PRESSURE REDUCING VALVE (PRV) SHALL BE INSTALLED BY WVWA INSIDE THE VAULT FOR PRESSURES GREATER THAN 120 PSI. FOR

PRESSURES BETWEEN 80 AND 120 PSI, PRV SHALL BE INSTALLED ON PRIVATE SIDE OF THE VAULT BY

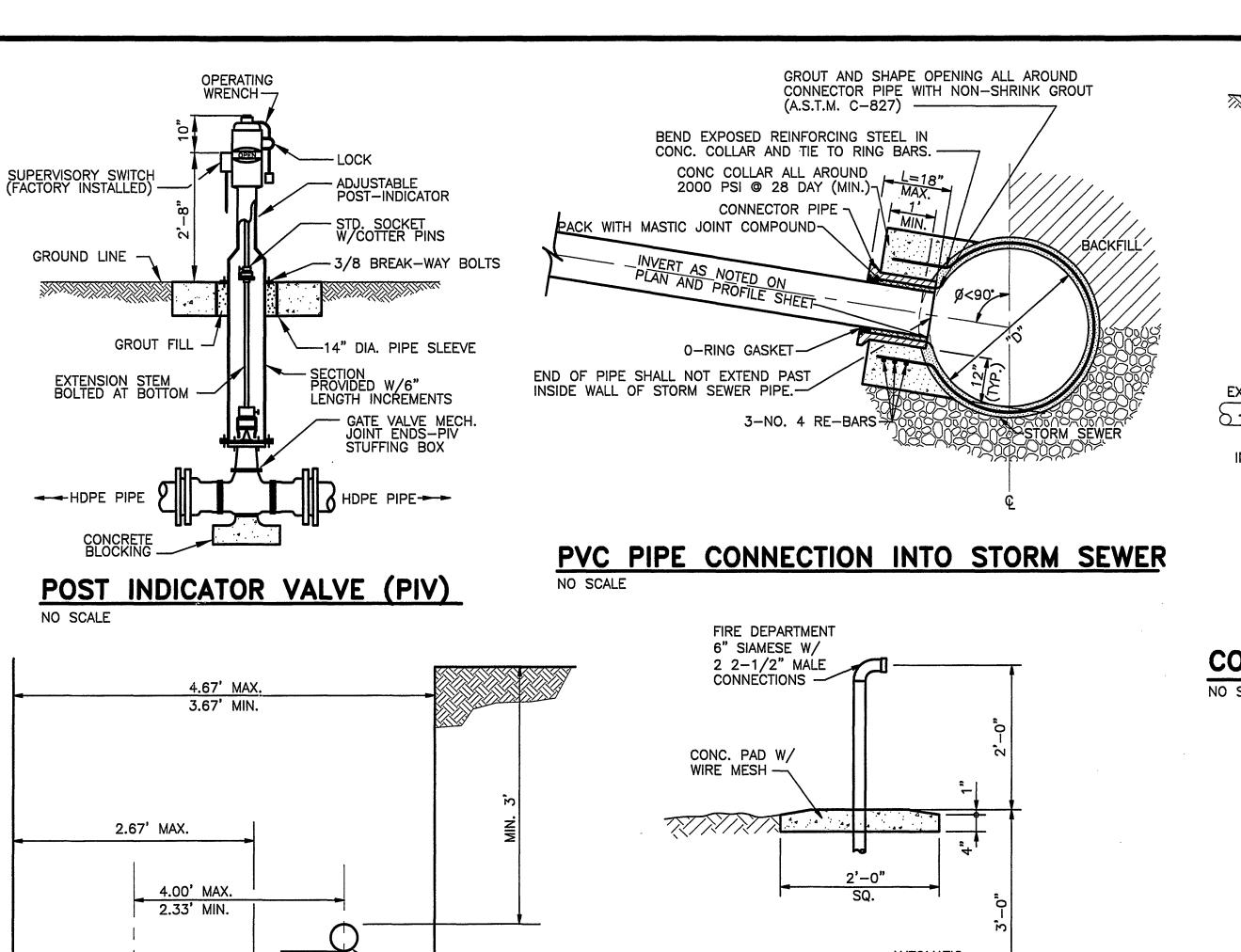
THE CONTRACTOR AT OWNER/DEVELOPERS EXPENSE.

† 2" 3000 PSI CONCRETE

3000 PSI CONCRETE

4. 2' DIA. CONCRETE WELL CASING 3000 PSI MAY BE SUBSTITUTED FOR ULTRA-RIB PIPE. ANY VERT. JOINTS IN THE CASING PIPE MUST BE BY BELL & SPIGOT CONNECTION WITH MASTIC.
5. INVERT SHAPING/CHANNEL SHALL BE 180 DEGREES THROUGH SAMPLE MANHOLE. NO ANGLES, RADIUS, ETC ARE ALLOWED IN SAMPLE MANHOLES.

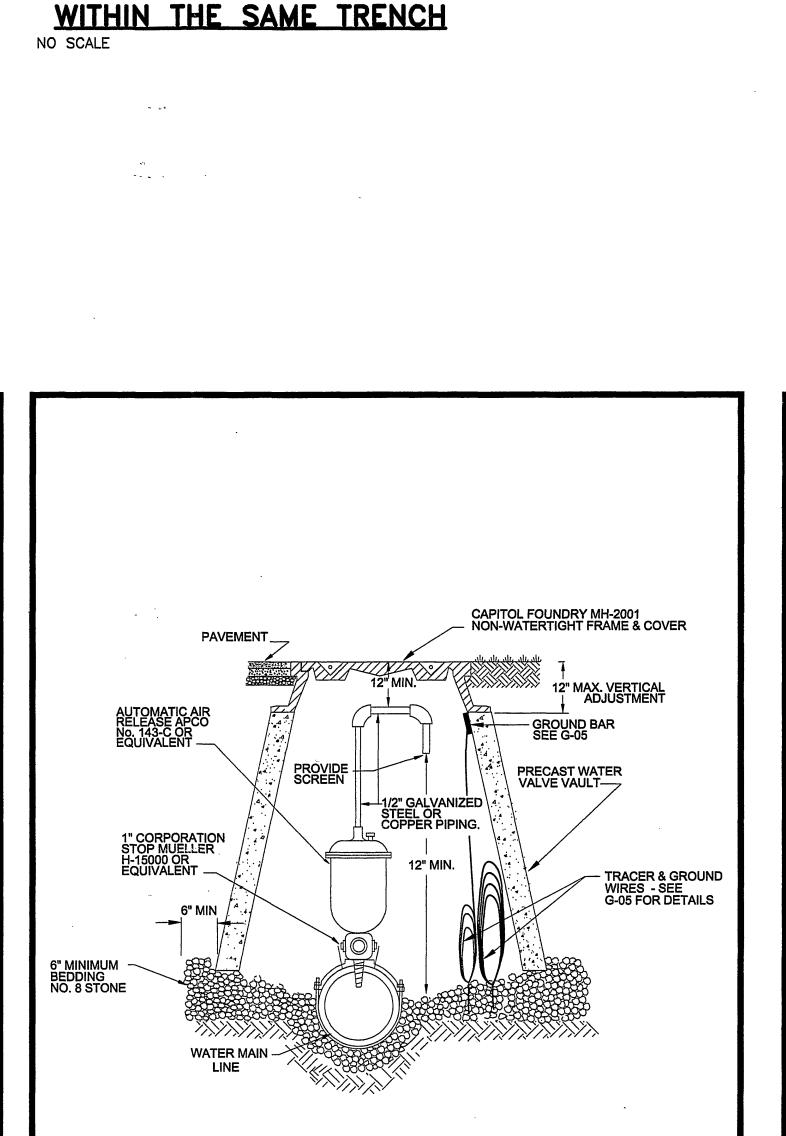
S-07



2 CU. FT. OF GRAVEI

NO SCALE

FIRE DEPARTMENT CONNECTION



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

AUTOMATIC AIR

RELEASE ASSEMBLY

W - 12

REVISION DATE

W - 26

NEW WATER LINE

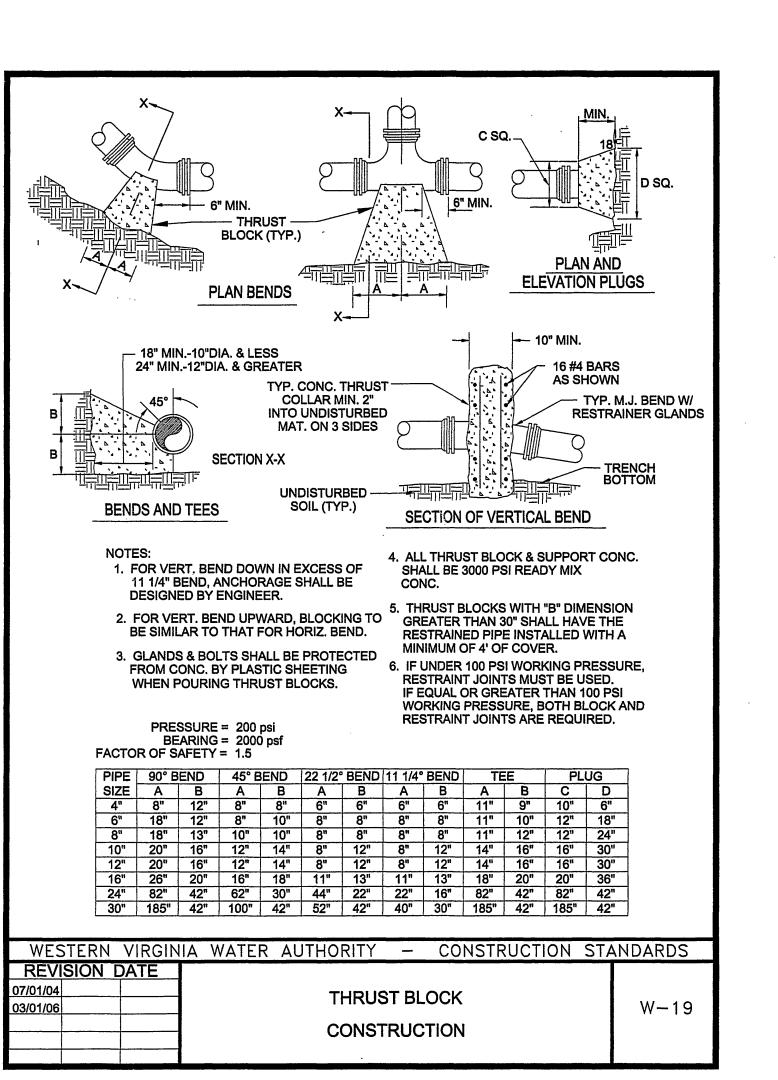
UNDISTURBED EARTH SHELF

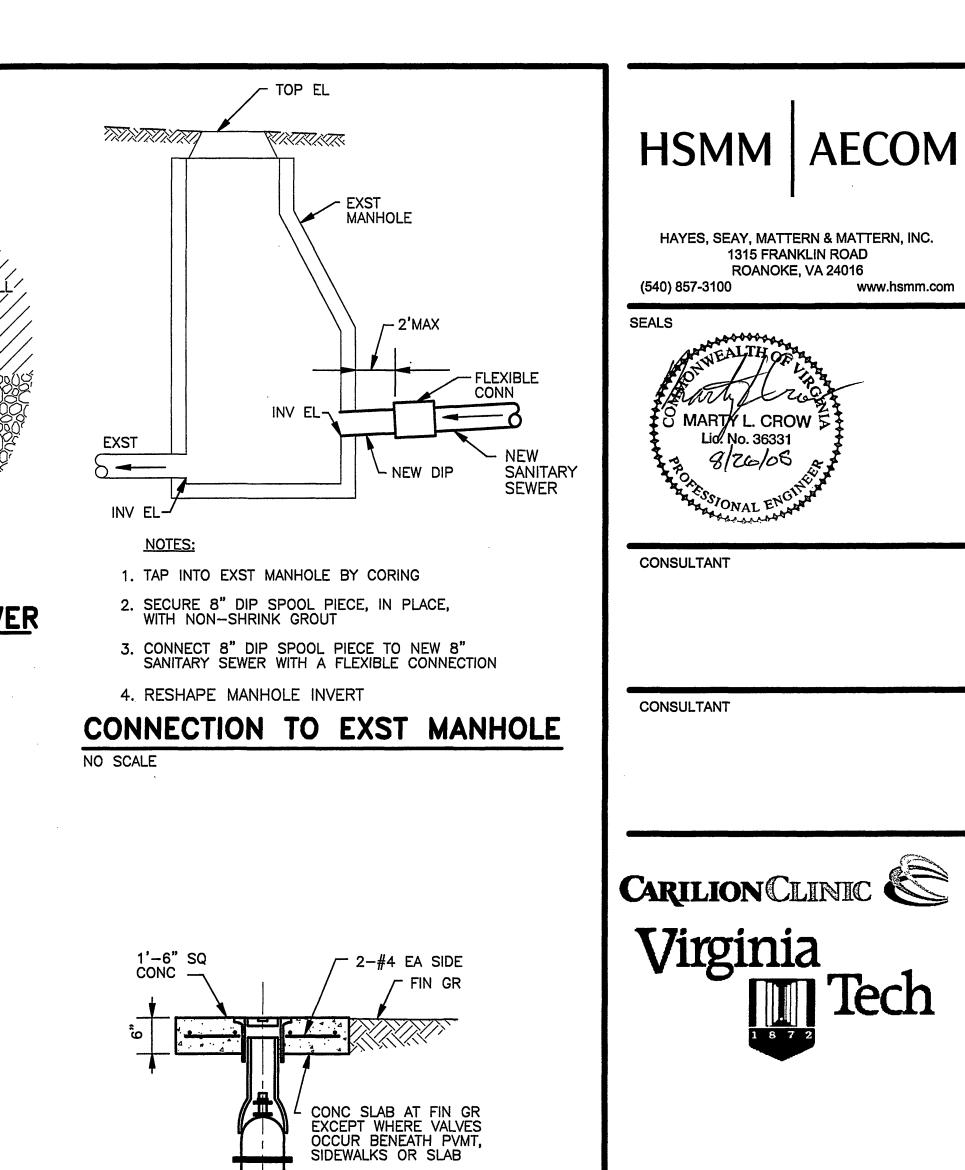
OD/2+4"

NEW SEWER LINE ___ IMPROVED BEDDING

METHOD OF PLACEMENT OF

WATER LINE AND SEWER LINE





VALVE BOX SETTING

VIRGINIA TECH/CARILION SCHOOL OF MEDICINE AND RESEARCH INSTITUTE ROANOKE, VIRGINIA

HAYES, SEAY, MATTERN & MATTERN, INC.

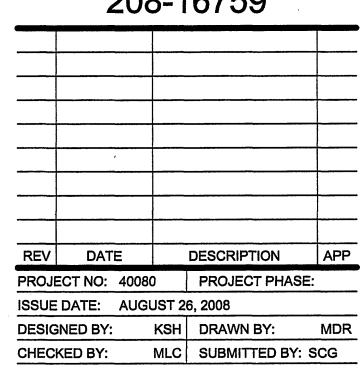
MARTY L. CROW

Lio. No. 36331

1315 FRANKLIN ROAD

ROANOKE, VA 24016

PROJECT CODE: 208-16759



CIVIL

SITE AND UTILITY DETAILS

C502

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