

12153comp-nd01.plt

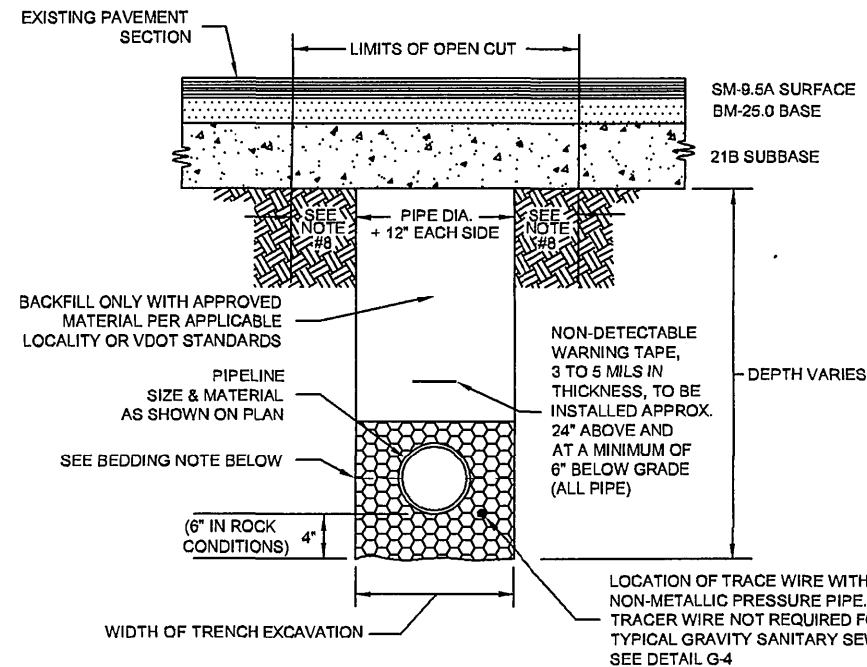
VAULT NOTE:

PER DISCUSSION BETWEEN THE WESTERN VIRGINIA WATER AUTHORITY AND CONCRETE PIPE & PRECAST, PROVIDER OF CLEAR FLOW VAULTS, A PRECAST 5'x5' VAULT WILL BE MANUFACTURED AND PROVIDED FOR THIS PROJECT. FITTINGS AND FIXTURES WILL BE AS SHOWN ON THE DETAIL.

NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE LOCATED FROM ABOVE GROUND MARKINGS AND STRUCTURES. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO ANY EXCAVATION.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MATERIALS AND ANY WORK NEEDED FOR CONNECTION BETWEEN EXISTING WATERLINE AND VAULT.
3. CONTACT THE WESTERN VIRGINIA WATER AUTHORITY AT (540)853-5698 72 HOURS PRIOR TO STARTING ANY CONSTRUCTION.
4. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY AND THE CITY OF ROANOKE.
5. ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE WESTERN VIRGINIA AUTHORITY AND THE CITY OF ROANOKE.
6. THE DEVELOPER OR CONTRACTOR SHALL SUPPLY THE WESTERN VIRGINIA WATER AUTHORITY AND THE CITY OF ROANOKE WITH CORRECT AS-BUILT PLANS.
7. FIELD CORRECTIONS SHALL BE APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY AND THE CITY OF ROANOKE PRIOR TO SUCH CONSTRUCTION.
8. UNLESS OTHERWISE BLOCKED OR RESTRAINED, ALL MECHANICAL JOINT FITTINGS SHALL USE SERIES 1100 MEGA-LUG RESTRAINING GLANDS. ALL FITTINGS SHALL BE DUCTILE IRON CONFORMING TO THE SPECIFICATIONS AND REQUIREMENTS OF AWWA C110.

1. BEDDING, HAUNCHING AND INITIAL BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THIS DETAIL AND MANUFACTURER'S RECOMMENDATION.
2. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 OR #58 STONE.
3. IN VDOT ROW, THE CONTRACTOR SHALL REPLACE THE OPEN CUT WITH A MINIMUM TOP COURSE OF 1.5" (MINIMUM) VDOT SM-9.5A, BASE COURSE OF 6" VDOT BM-25.0, AND SUBBASE OF 10" VDOT 21B, OR AS REQUIRED BY VDOT. IN ROANOKE CITY, CONTRACTOR SHALL REPLACE PAVEMENT AS REQUIRED BY CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS, LATEST EDITION.
4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE AS SPECIFIED BY VDOT OR APPLICABLE LOCALITY.
5. PRIOR TO CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS FROM VDOT AND/OR APPLICABLE LOCALITY.
6. IN AREAS SUBJECT 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 ASTM D 698.
7. ALL SEWER LINE PIPE SHALL BE BEDDED IN COMPACTED GRANULAR MATERIAL. BEDDING REQUIREMENTS FOR DUCTILE SEWER LINE ARE DEPENDENT ON MANUFACTURER'S BEDDING CRITERIA.
8. BENCH CUT ON EACH SIDE OF PAVEMENT: CITY OF ROANOKE = 12"; VDOT RIGHT-OF-WAY = 6".
9. ALL EXCAVATIONS SHALL COMPLY WITH OSHA TECHNICAL MANUAL, CHAPTER 2, TITLED "EXCAVATIONS: HAZARD RECOGNITION IN TRENCHING AND SHORING."
10. THE TRACER WIRE SHALL BE PLACED ALONG THE LOWER QUADRANT OF THE PIPE. THE WIRE SHALL NOT TOUCH THE PIPE, BUT SHALL BE A MAXIMUM OF 6" FROM THE PIPE. NON-METALLIC SPACERS MAY BE USED TO MAINTAIN A SET DISTANCE FROM THE UTILITY.



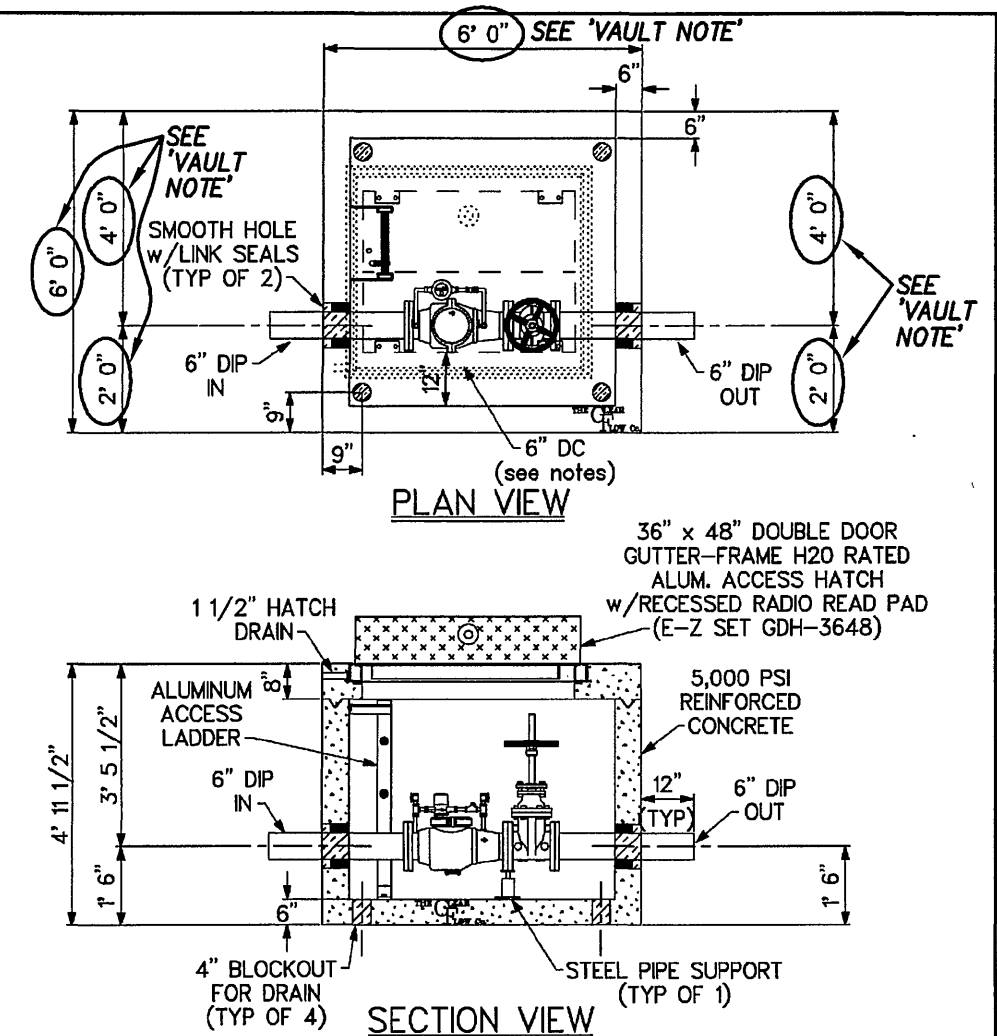
BEDDING: FOR WATERLINES, INSTALL BEDDING STONE TO SPRING LINE OF PIPE AT A MINIMUM, OR PER MANUFACTURER'S RECOMMENDATION, FOR SEWER LINES, BEDDING SHALL BE MINIMUM 6" ABOVE PIPE.

WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

BEDDING AND BACKFILL
UNDER PAVEMENT AND IN RIGHT-OF-WAY


01/01/12

G-12



NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROX. 16,000 LBS.
2. 6" WILKINS 310DAL SINGLE CHECK DETECTOR ASSEMBLY w/OS&Y GATE VALVE

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|--|------------------|---------|--|--------------------------|
| DESIGN | | 2/08/08 | <div>CLEAR FLOW</div> <div>By CP&P</div> <div>CONCRETE PIPE & PRECAST, LLC</div> <div>210 STONE SPRING ROAD</div> <div>HARRISONBURG, VA 22801</div> <div>(540) 434 - 6979</div> <div></div> | ROANOKE COUNTY, VIRGINIA |
| DRAWN | STEVEN L. GORDON | | | HORTON BUILDING |
| REVISIONS | | DATE | | 6" DETECTOR |
| SENSUS OMNI & IPERL METERS | | 5/19/12 | | CHECK VAULT |
| RECESSED RADIO READ IN HATCH | | 9/28/12 | | |
| | | | | |
| <div>• PRINTOUT NOT TO ANY SCALE •</div> | | | REF. NO. | P-62242-S |
| | | | | MAGIC CITY SPRINKLER |

**NEW FIRE SERVICE VAULT
THE HORTON BUILDING**

PREPARED FOR
AVIS CONSTRUCTION, INC.
304 1st STREET
CITY OF ROANOKE, VIRGINIA

| | |
|------------|------------------|
| DATE: | October 15, 2012 |
| COMM. NO.: | 12-153 |
| SCALE: | NO SCALE |



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