

WESTERN VIRGINIA WATER AUTHORITY		CONSTRUCTION STANDARDS	
REVISION DATE		4' STANDARD MANHOLE FOR PIPE 15" OR SMALLER	S-01
07/01/04			

REVISION DATE		
07/01/04		

BEDDING AND BACKFILL  
UNDER PAVEMENT

G-02

[illegible]

1. PROVIDE NEW MATERIALS AND WORKSMANSHIP IN CONFORMANCE WITH ALL APPLICABLE CODES, STATE AND FEDERAL LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND OTHER CRITERIA WHICH WOULD NORMALLY APPLY TO WORK OF THIS NATURE. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A CONFLICT IN CODES, ORDINANCES, STANDARDS, OR OTHER CRITERIA. APPLICABLE CODES AND STANDARDS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, THE FOLLOWING:
  - a. WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION STANDARDS
  - b. BOCA - BASIC CODES
  - c. ROANOKE COUNTY
  - d. VDOT - VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS
  - e. VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND HANDBOOK, LATEST EDITION
  - f. OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
  - g. ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS
2. MAINTAIN A SET OF APPROVED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION.
3. OBTAIN EACH REQUIRED PERMIT PRIOR TO COMMENCING THAT PART OF THE WORK. PAY REQUIRED FEES.
4. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THE PLANS.
5. A PRECONSTRUCTION MEETING MUST TAKE PLACE PRIOR TO COMMENCING WORK. AS A MINIMUM, THE CONTRACTOR, OWNER'S AGENT AND WWA'S AGENT MUST ATTEND.
6. VERIFY THE LOCATION AND ELEVATION OF EACH EXISTING UNDERGROUND UTILITY IN AREAS OF CONSTRUCTION PRIOR TO COMMENCEMENT OF WORK. CONTACT ENGINEER IMMEDIATELY IF THE UTILITY APPEARS TO BE A CONFLICT. UPON DISCOVERY OF A UTILITY WHICH IS NOT SHOWN, AND UPON DISCOVERY OF A LOCATION OR ELEVATION WHICH DIFFERS FROM THAT SHOWN. TO LOCATE UTILITIES, CALL "MISS UTILITY", 1-800-552-7001. UTILITY LOCATIONS SHOWN ARE THE RESULT OF A COMBINATION OF FIELD LOCATION AND EXISTING INFORMATION. LOCATIONS ARE APPROXIMATE.
7. REPAIR ALL DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, CAUSED AS A RESULT OF CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO OWNER.
8. NOTIFY OWNERS OF UTILITIES IN AREAS OF CONSTRUCTION PRIOR TO COMMENCEMENT OF EXCAVATION.
9. PIPE AND FITTINGS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 AND SHALL CONFORM TO ASTM D-3034. BEDDING SHALL BE CLASS "B" MINIMUM.
10. CONNECT PIPE TO MANHOLES THROUGH PRECAST OPENINGS AND JOIN WITH EITHER A FLEXIBLE BOOT ADAPTER OR A PIPE SEAL GASKET.
11. ALL LATERALS SHALL BE INSTALLED ON A MINIMUM GRADE OF ONE-QUARTER ( 1/4 ) INCH PER ONE ( 1 ) FOOT.

Engineering  
Architecture  
Surveying  
Landscape Design[illegible][illegible]

REVISION DATE		WATERTIGHT MANHOLE FRAME	S-05
07/01/04			

[illegible]

Designed By	WDH
Drawn By	WDH
Checked By	RCW
Approved By	RCW
Submitted By	RCW
Drawing	detailsw
Date	3/14/05
Scale	NONE
Commission No.	2997