

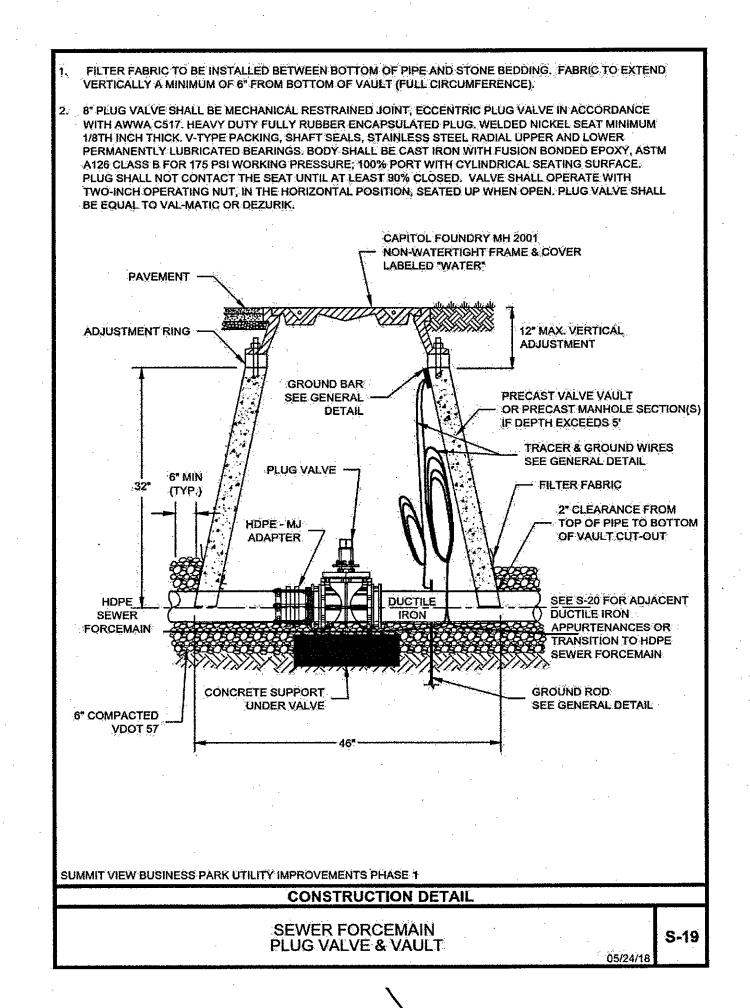
MASTER METER AND MASTER METER VAULTS: CONCRETE MASTER METER VAULTS SHALL BE PRECAST, FACTORY ASSEMBLED, COMPLETE WITH EQUIPMENT AS SHOWN IN THE STANDARD DETAILS AND SHALL BE MANUFACTURED BY GILLESPIE PRECAST AND MONARCH PRODUCTS COMPANY, CONCRETE PIPE & PRECAST OR APPROVED EQUAL AND IN ACCORDANCE WITH ASTM C858. THE VAULT SHALL BE DESIGNED FOR AASHTO HS-20 LOADING AND BUOYANCY RESISTANCE. MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 5000 PSI AT 28 DAYS. DESIGN SHALL BE IN ACCORDANCE WITH ASTM C857 AND ACI-318. ADEQUATE PIPE SUPPORTS SHALL BE PROVIDED AND SHALL BE MADE OF ASTM A36 STEEL, PRIMED AND COATED WITH ENAMEL FINISH COAT, ADJUSTABLE AND ANCHORED TO THE FLOOR. VAULTS SHALL BE INSTALLED LEVEL ON A COMPACTED BED OF 8-INCHES OF VDOT #57 OR #68 STONE. VAULT HATCH SHALL BE WATERPROOF AND SLOPED TO ACCOMMODATE EXISTING GRADE.

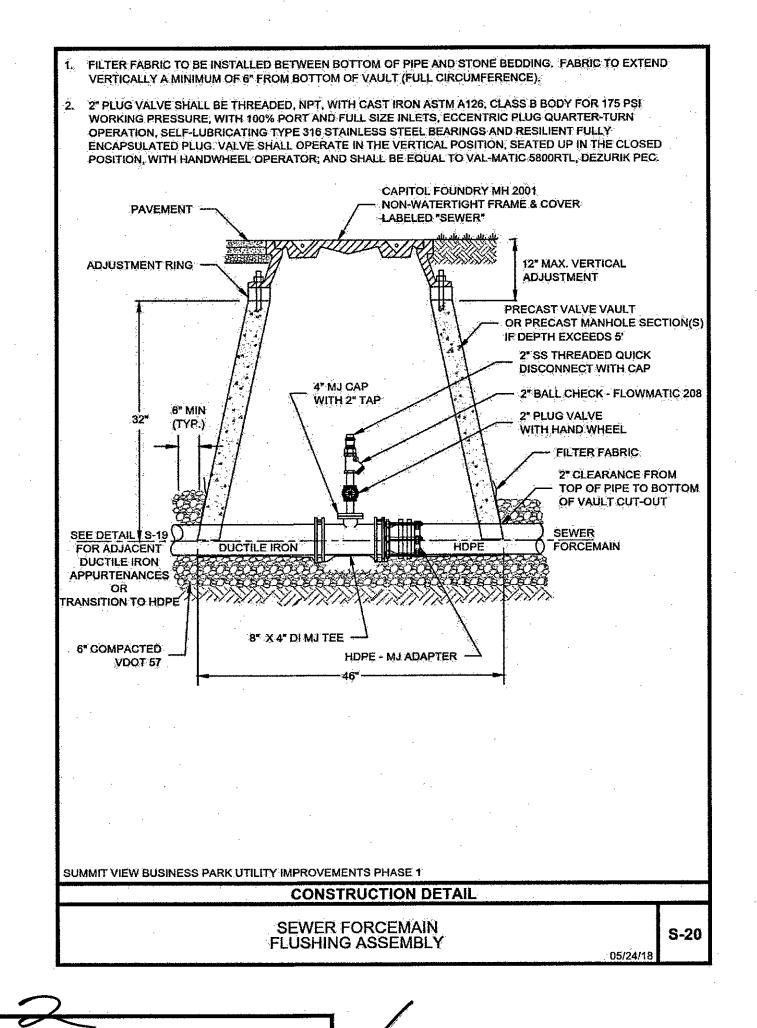
METERS SHALL BE SENSUS OMNI T2 WITH STRAINER AND PROVIDED WITH RADIO READ REGISTERS COMPATIBLE WITH THE WESTERN VIRGINIA WATER AUTHORITY EXISTING METER READING SYSTEM. SENSUS 5200 SMARTPOINT RADIOS SHALL BE PROVIDED WITH EACH METER INSTALLATION, METERS SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C701, CLASS II, NSF/ANSI 61AND NSF/ANSI 372. METER BODY SHALL BE DUCTILE IRON WITH EPOXY COATING AND STRAINER SHALL BE STAINLESS STEEL.

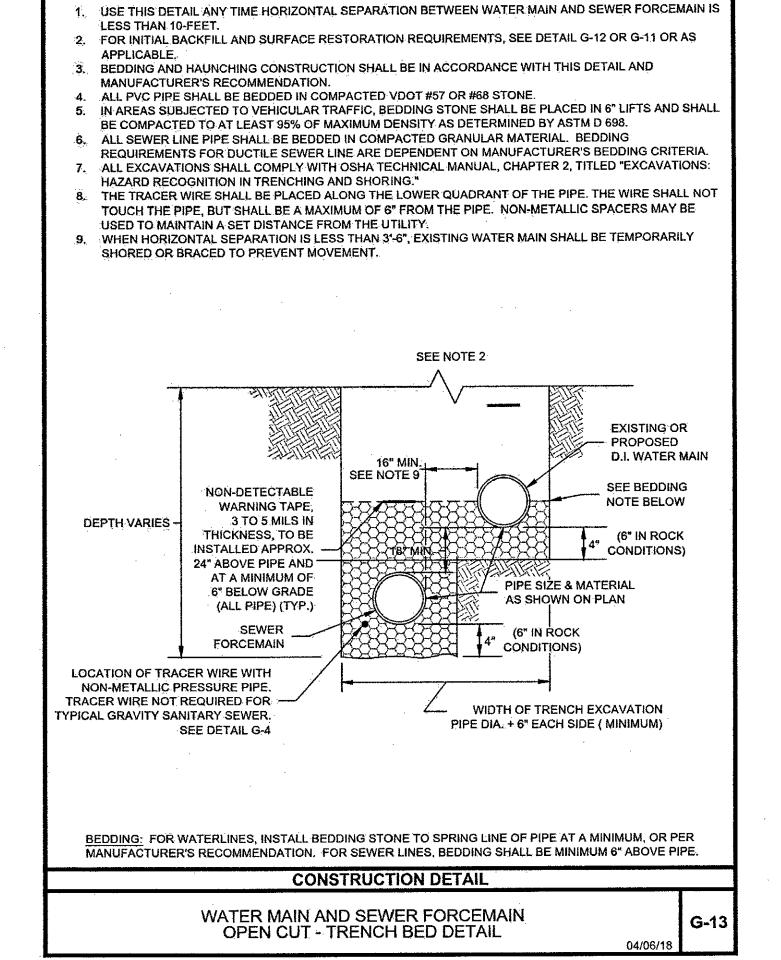
MATERIAL

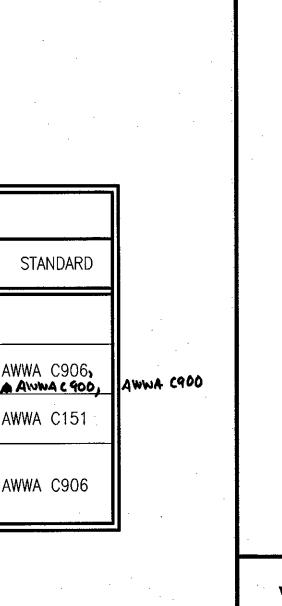
DUCTILE IRON

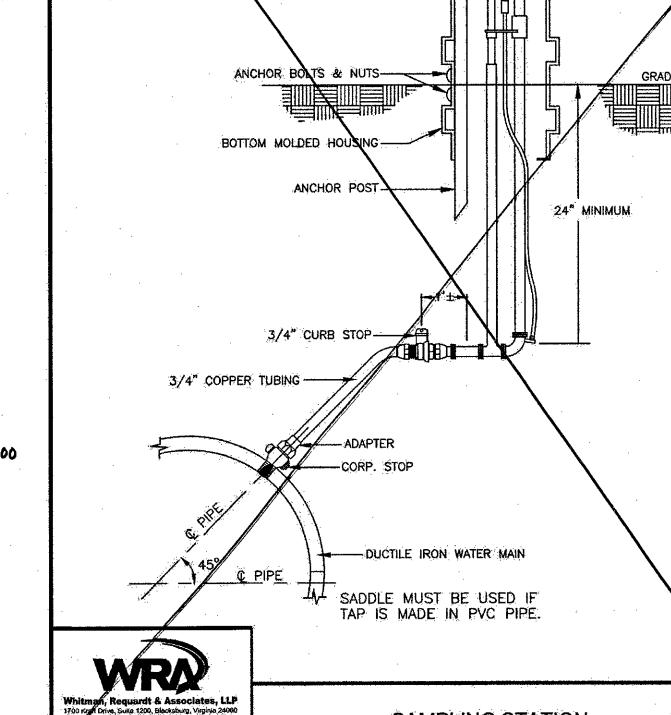
HDPE











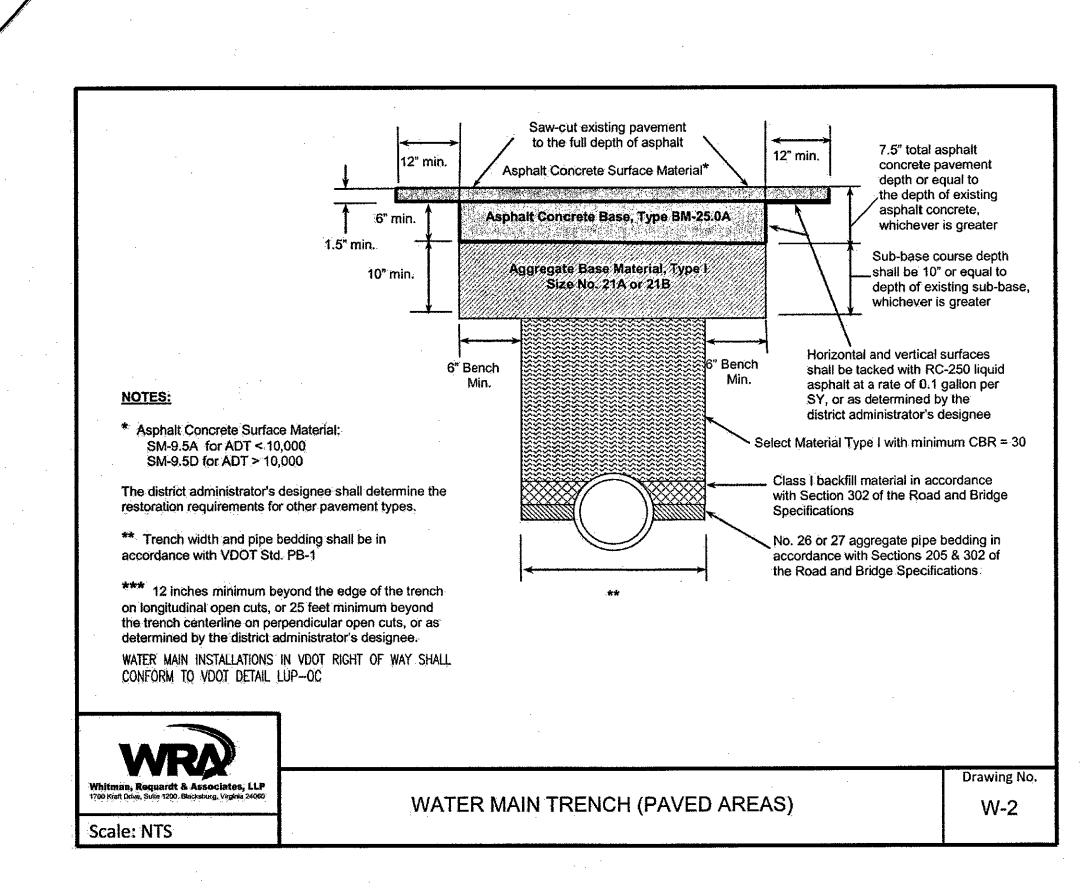
SAMPLING STATION

IF SAMPLING STATION IS LOCATED WITHIN

THE VDOT RYW WHERE ROADSIDE DITCHES

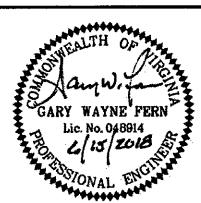
EXIST, IT SHOULD BE INSTALLED BEHIND

THE ROADSIDE DITCH.



* TRACER WIRE SHALL BE INSTALLED WITH ALL NON-METALLIC PRESSURE PIPE. SEE DETAIL G-4.

HDPE *, C900 PUC, C900 PVC FUSED, Fused, Gaskeled or



NAME

SEWER FORCEMAIN

CREEK CROSSINGS:

WATER MAINS AND

SEWER FORCEMAINS

OFF-SITE

WATER MAIN



PIPE SCHEDULE

INTERIOR COATING

EMENT MORTAR

JOINT TYPE

GASKETED, MJ OR

FUSED

RESTRAINED, AS REQUIREI

THE CONTRACTOR SHALL UTILIZE THESE PLANS AND ALL APPLICABLE WATER AND SEWER SPECIFICATIONS AND DETAILS AS SHOWN IN THE WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS, LATEST EDITION.

ASPHALTIC

XTERIOR COATING

WESTERN VIRGIN 601 South Jeffe

Roanoke

IIA WATER AUTHORITY Terson Street, Suite 300 e, Virginia 24011	DES: KN	SCALE: N/A
	DRAWN: JES	HORIZ: N/A
	CHECK: GWF	VERT: N/A
	DATE: 06/15/18	

ne, Suite 1200, Blacksburg, Virginia 240

Scale: NTS

SUMMIT VIEW BUSINESS PARK UTILITY IMPROVEMENTS PHASE 2

Drawing No.

DATE DRAWING WATER & SEWER DETAILS C1.06

REV

WATER ONLY INSTALLED

SHEET

DESCRIPTION