

V:\Projects\BVA\31237\Drawings\100% Construction Drawings-Updated.mxd

Legend

- Sanitary Manhole
- Sanitary Sewer
- Contract 1A - Sanitary Sewer Line Rehabilitation**
- Sanitary Sewer Rehabilitation
 - Line
 - Burst
- Lateral Rehabilitation**
 - Capped- Do Not Reinstall
 - Replace
 - Replace - Pavement
 - Trim and Replace
 - Trim and Replace - Pavement
 - Trim - Do Not Reinstall
 - Assist Owner to Verify Active - Replace if Active
 - Verify Active - Pavement
 - Existing PVC - Reconnect at Sewer Main
 - Existing PVC - Pavement - Reconnect at Sewer Main

Contract 1B - Manhole Rehabilitation

- Install Water-Resistant F&C
- Reseal Existing Frame
- Install Standard F&C
- Seal Chimney
- Cementitious Line Manhole
- Repair Crack/Holes in Wall
- Seal Pipe Connections
- Seal Wall/Bench Connection
- Repair Crack/Holes in Bench
- Install 8-inch Cleanout

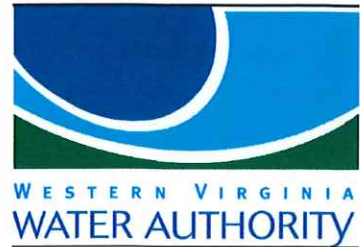
Pipe Material Legend

- CP = Concrete Pipe
- VCP = Vitrified Clay Pipe



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CHIA



WESTERN VIRGINIA
WATER AUTHORITY

ROANOKE, VIRGINIA
3038 1st has 1 hole.

Taped 4.12.17 Disc 3
Side B
1
COMMENCED BY
DOUGLAS B. HUDGINS
Lic. No. 034694
10/07/16
PROFESSIONAL ENGINEER
started Side B here.

IT IS - UNLESS OTHERWISE SPECIFIED, THE DESIGNER'S RESPONSIBILITY TO PROVIDE ALL NECESSARY DATA AND INFORMATION FOR THE ENGINEER TO DESIGN AND CONSTRUCT THE PROJECT. THE ENGINEER'S RESPONSIBILITY IS TO DESIGN AND CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE DESIGNER'S REQUIREMENTS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, LATEST EDITION, AS APPLICABLE. THE ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ENGINEER SHALL BE RESPONSIBLE FOR MAINTAINING THE PROJECT IN ACCORDANCE WITH THE DESIGNER'S REQUIREMENTS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, LATEST EDITION, AS APPLICABLE.

No.	Submittal/Revision	App'd.	By	Date
-	Bid Issue	DBH	KJV	10/07/16
A	50% Submission	DBH	KJV	05/12/16

CONTRACT 1 -
2016 SANITARY SEWER REHABILITATION

Manhole Rehabilitation

Designed By: KJV	Project No: 31237	Drawing No.:
Drawn By: KJV	Scale: AS SHOWN	C-114
Checked By: DBH	Issue Date: October 2016	