

V:\Projects\BVA\31237 Data\GIS\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 Reinstale
  - Replace
  - Replace - Pavement
  - Trim and Replace
  - Trim and Replace - Pavement
  - Trim - Do Not Reinstale
  - 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
- Cementitiously 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

Manhole No.	Manhole Depth (ft)		
04A-3068.0	7.31	9.2	9.17
04A-3071.0	7.31	9.02	8.92
04A-3072.0	7.31	8.38	8.25

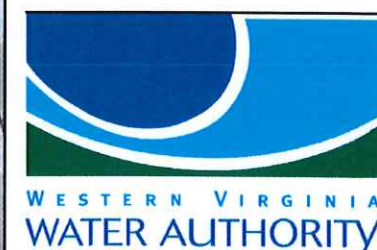
SHEET 106

SHEET 108

SHEET 110

DRAWING COPYRIGHT 2016

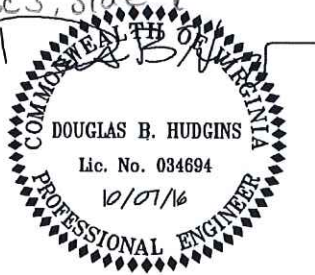
CIA



WESTERN VIRGINIA  
WATER AUTHORITY

ROANOKE, VIRGINIA  
All lids have multiple  
holes.

Taped 4.10.17 - Started  
Disc 3, Side 1



THIS IS A VULNERABLE DOCUMENT. IT IS THE PROPERTY OF THE WESTERN VIRGINIA WATER AUTHORITY. IT IS TO BE KEPT IN A SECURE LOCATION AND NOT BE LOANED, REPRODUCED, COPIED, OR DISTRIBUTED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF THE WESTERN VIRGINIA WATER AUTHORITY. IF YOU ARE IN POSSESSION OF THIS DOCUMENT AND ARE NOT AN EMPLOYEE OF THE WESTERN VIRGINIA WATER AUTHORITY, YOU ARE TO DESTROY IT IMMEDIATELY AND NOT REPRODUCE IT IN ANY MANNER.

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-108
Checked By: DBH	Issue Date: October 2016	