

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 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

| Manhole No. | Manhole Depth (ft) |      |      |
|-------------|--------------------|------|------|
| 04A-3012.0  | 8.2                | 9.42 | 9.58 |

SHEET 111

SHEET 113



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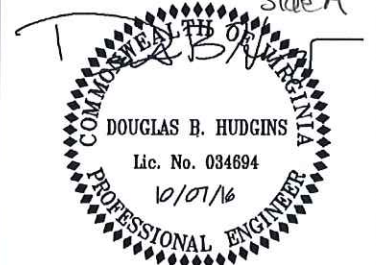
CIA



WESTERN VIRGINIA  
WATER AUTHORITY

ROANOKE, VIRGINIA  
3012- Holes in lid.

Taped 4.11.17: Disc 3  
Side A



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| 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:<br>KJV | Project No:<br>31237        | Drawing No.:<br><br><b>C-111</b> |
| Drawn By:<br>KJV    | Scale:<br>AS SHOWN          |                                  |
| Checked By:<br>DBH  | Issue Date:<br>October 2016 |                                  |