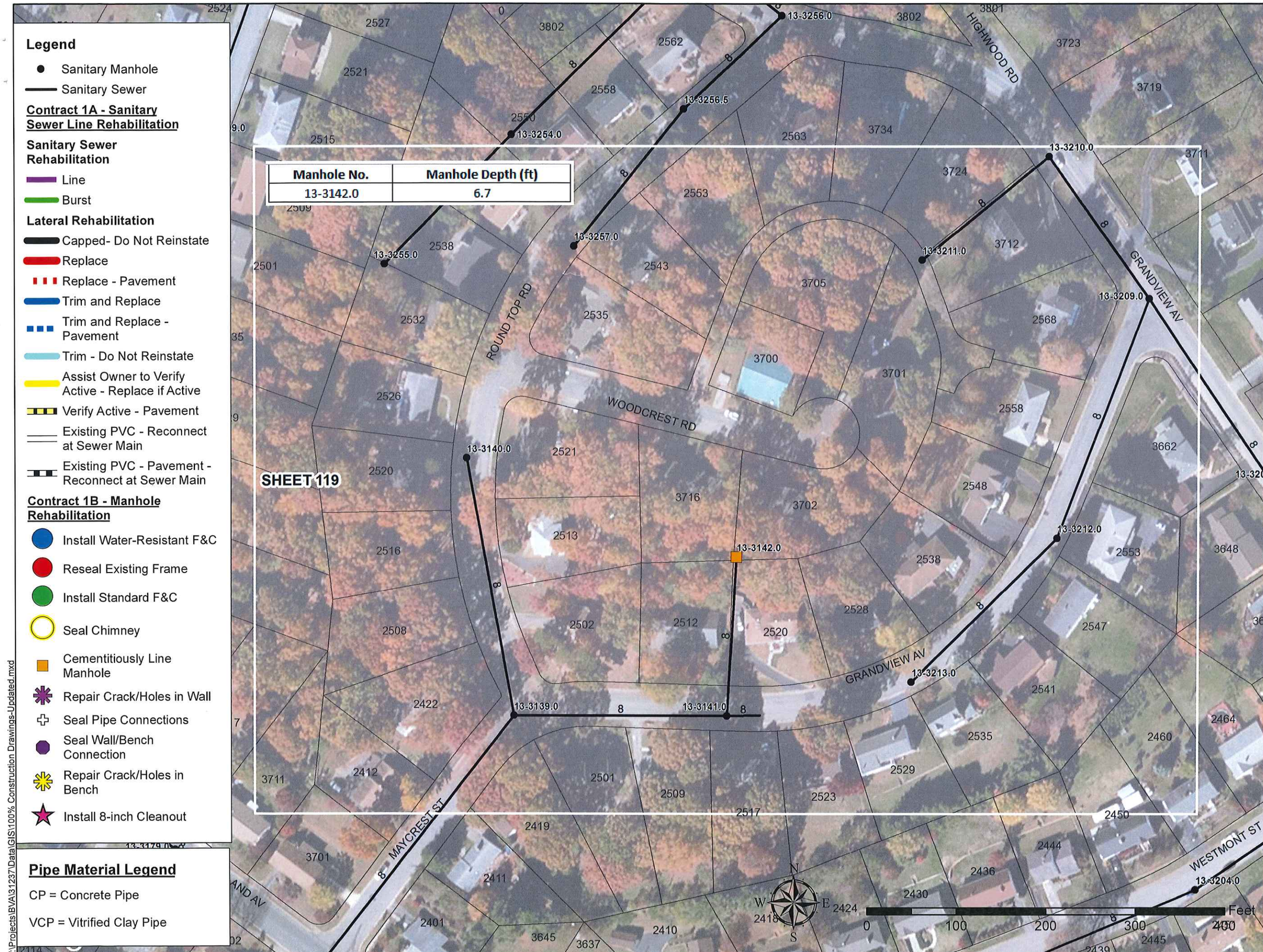

Manhole No.	Manhole Depth (ft)
13-3142.0	6.7

Legend

- Sanitary Manhole
- Sanitary Sewer

Contract 1A - Sanitary Sewer Line Rehabilitation

Sanitary Sewer Rehabilitation

- Line
- Burst

Lateral Rehabilitation

- Capped- Do Not Reinstate
- Replace
- Replace - Pavement
- Trim and Replace
- Trim and Replace - Pavement
- Trim - Do Not Reinstate
- 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

V:\Projects\BV\31237\Data\GIS\100% Construction Drawings-Updated.mxd

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CHA

WESTERN VIRGINIA WATER AUTHORITY

WESTERN VIRGINIA WATER AUTHORITY

ROANOKE, VIRGINIA

3142-New F&C-
H_2O tight.

Taped 4.13.17 Disc 3 Side B

COMMONWEALTH OF VIRGINIA
DOUGLAS B. HUDGINS
Lic. No. 034694
10/07/16
PROFESSIONAL ENGINEER

This Finishes side B

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL SEAL THE DOCUMENT AND INCLUDE THE DESIGNATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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-119
Checked By: DBH	Issue Date: October 2016	