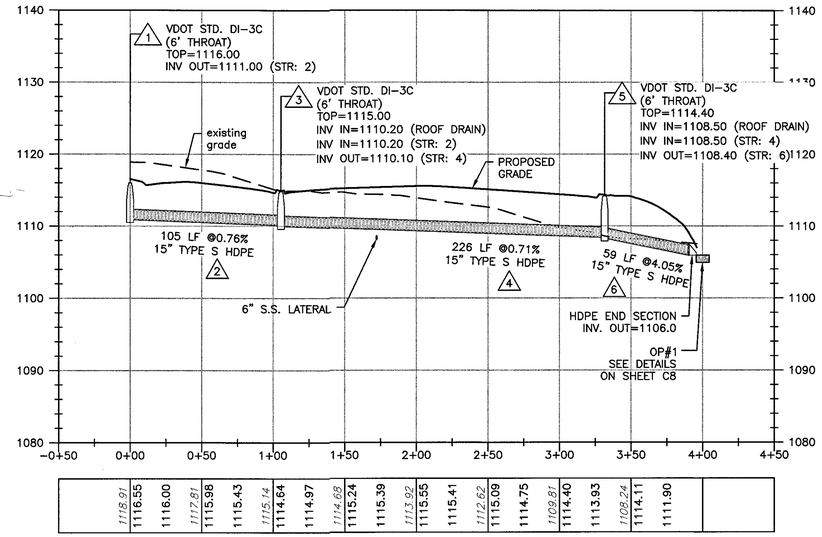
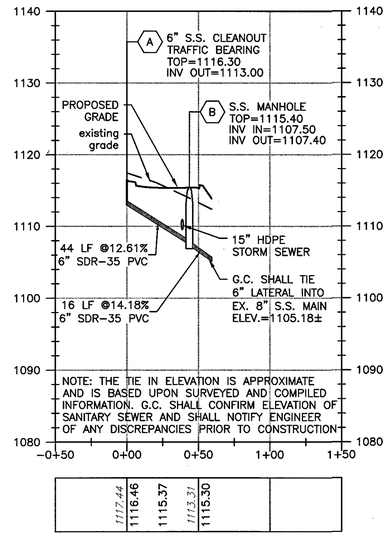
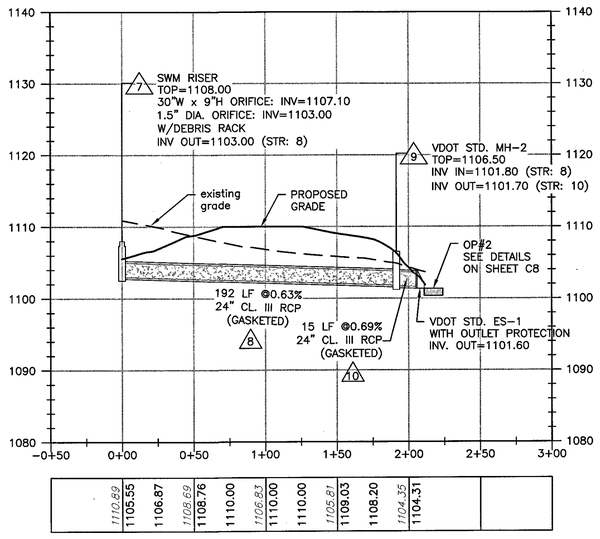
STR:1 - STR:6 - STORM SEWER PROFILE



STR:1 - STR:4 - SANITARY SEWER PROFILE



STR:8 - STR:11 - STORM SEWER PROFILE



STORM STRUCTURE SCHEDULE:

1. VDOT ST'D DI-3C (6' THROAT) TOP:1116.00 INV OUT:1111.00
2. 105 LF OF 15" TYPE S HDPE PIPE AT 0.76%
3. VDOT ST'D DI-3C (6' THROAT) TOP:1115.00 INV IN:1110.20 (ROOF DRAIN) INV IN:1110.20 (STR. #2) INV OUT:1110.10 (STR. #4)
4. 226 LF OF 15" TYPE S HDPE PIPE AT 0.71%
5. VDOT STD. DI-3C (6' THROAT) TOP:1114.40 INV IN:1108.50 (ROOF DRAIN) INV IN:1108.50 (STR. #4) INV OUT:1108.40 (STR. #6)
6. 59 LF OF 15" TYPE S HDPE PIPE AT 4.05% INV. OUT:1106.00
7. SWM RISER (OPEN TOP WITH DEBRIS RACK) TOP:1108.0 30"Wx9"H ORIFICE AT INV:1107.10 1.5" DIA. ORIFICE AT INV:1103.00 (W/DEBRIS RACK) INV OUT:1103.00 (STR. #8)
8. 192 LF OF 24" CLASS III RCP AT 0.63% (GASKETED)
9. VDOT ST'D MH-2 TOP=1106.50 INV IN:1101.80 (STR. #8) INV OUT:1101.70 (STR. #10)
10. 15 LF OF 24" CLASS III RCP AT 0.69% (GASKETED) INV. OUT:1101.60 WITH VDOT ST'D ES-1 END SECTION

NOTES:
1. VDOT STD IS-1 INLET SHAPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES
2. NON-SHRINK GROUT SHALL BE USED FOR ALL STORM SEWER PIPE CONNECTIONS.

SANITARY SEWER SCHEDULE:

- A — S.S. CLEANOUT WITH TRAFFIC BEARING TOP TOP=1116.30 INV.=1113.0
- A B — 44 LF OF 6" PVC SDR-35 AT 12.61%
- B — S.S. MANHOLE TOP=1115.40 INV. IN=1107.50 INV. OUT=1107.40
- B C — 16 LF OF 6" PVC SDR-35 AT 14.18% INV. OUT=1105.18

(G.C. TO CONFIRM & COORDINATE ALL TIE IN LOCATIONS W/M.E.P. & ARCH. DRAWINGS PRIOR TO ANY INTERIOR OR EXTERIOR S.S. PIPE BEING INSTALLED. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED PRIOR TO ANY CONSTRUCTION)

VERTICAL SCALE:
10 0 10 20 30
SCALE: 1" = 10'

HORIZONTAL SCALE:
50 0 50 100 150
SCALE: 1" = 50'

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COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BURNS
Lic. No.047338
4/21/17
PROFESSIONAL ENGINEER

PLANTATION STORAGE
0 PLANTATION ROAD
PROFILES
HOLLINS DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY BTC
DESIGNED BY BTC
CHECKED BY CPB
DATE 3/14/2017
SCALE AS SHOWN

REVISIONS:
4/12/2017
4/21/2017

APPROVED

SHEET NO.
C9

JOB NO. 04160070.01