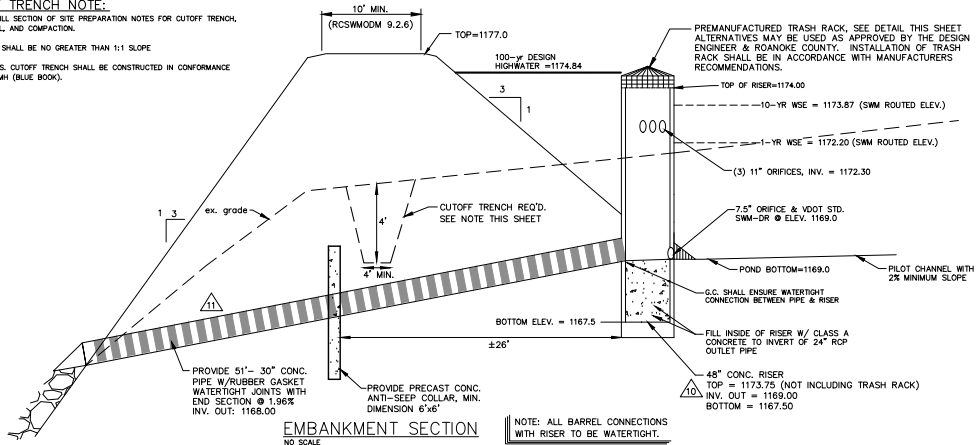


CUTOFF TRENCH NOTE:

SEE EARTH FILL SECTION OF SITE PREPARATION NOTES FOR CUTOFF TRENCH, FILL MATERIAL, AND COMPACTION.

SIDE SLOPES SHALL BE NO GREATER THAN 1:1 SLOPE

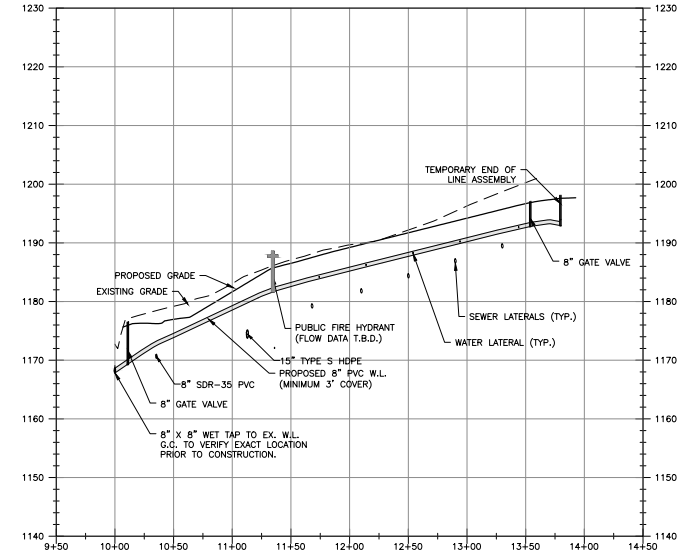
REQUIREMENTS, CUTOFF TRENCH SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE VSMH (BLUE BOOK).



EMBANKMENT SECTION
NO SCALE

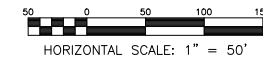
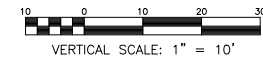
S.W.M. BASIN DETAIL

WATERLINE PROFILE

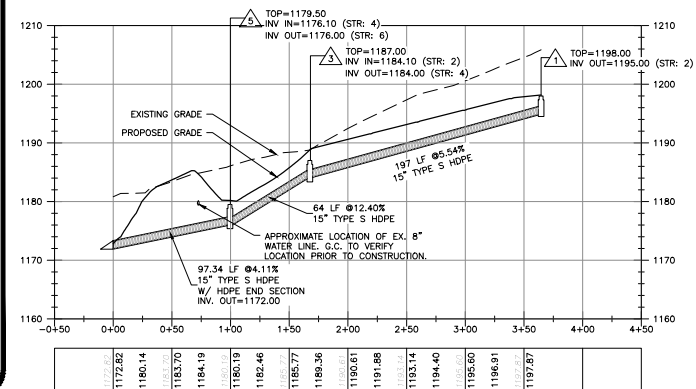


1176.30	1176.96	1178.65	1181.65	1184.06	1186.51	1187.90	1189.21	1190.46	1191.71	1192.96	1194.20	1195.46	1196.68	1197.46
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PROFILE SCALES



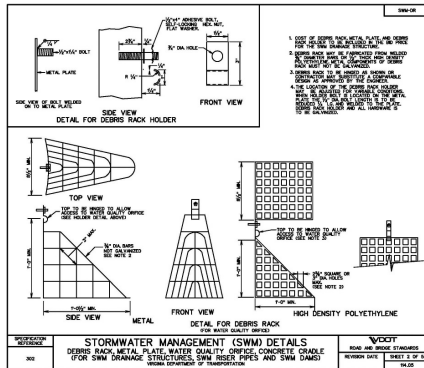
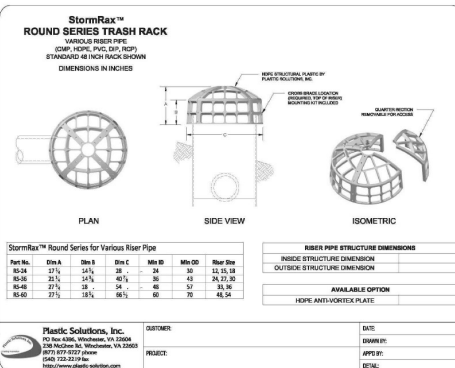
STORM SEWER STR. 1-SWM PROFILE



STORM STRUCTURE SCHEDULE

- VDOT STD. DI-7 TYPE III GRATE TOP: 1195.00 INV. OUT: 1195.00
- 197 LF OF 15" TYPE S HDPE PIPE AT 5.54%
- 24" STD NYLOPLAST GRATE INLET TOP: 1187.00 INV. IN: 1184.10 INV. OUT: 1184.00
- 64 LF OF 15" TYPE S HDPE PIPE AT 12.40%
- VDOT STD DI-7 INLET TOP: 1179.50 INV. IN: 1176.10 INV. OUT: 1176.00
- 98 LF OF 15" TYPE S HDPE PIPE AT 4.11% W/ HDPE END SECTION INV. OUT: 1172.00
- (2) 55 LF OF 24" TYPE S CULVERT PIPE @ 2.18% WITH MODIFIED EW-7 ENDWALLS INV. IN: 1171.3 INV. OUT: 1170.1
- (2) 23 LF OF 24" TYPE S CULVERT PIPE @ 1.30% WITH MODIFIED EW-7 ENDWALLS INV. IN: 1173.9 INV. OUT: 1173.6
- (2) 23 LF OF 24" TYPE S CULVERT PIPE @ 1.30% WITH MODIFIED EW-7 ENDWALLS INV. IN: 1175.8 INV. OUT: 1175.5
- 48" CONCRETE RISER TOP: 1173.75 (NOT INC. TRASH RACK) INV. OUT: 1169.00 BOTTOM: 1167.50
- 51' LF OF 30" CONC. PIPE W/ RUBBER GASKET WATER TIGHT JOINTS @ 1.96% W/ HDPE END SECTION INV. OUT: 1168.00

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



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LAUREL CREST TOWNHOMES
5356 & 5372 INDIAN GRAVE ROAD
PROFILES I
CAVE SPRING DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY: CFB
DESIGNED BY: CPB
CHECKED BY: BTC
DATE: 9/5/2018
SCALE: AS NOTED

REVISIONS:
10/16/2018
10/31/2018
2/7/2019
2/26/2019
8/16/2019 P.R. #1

SHEET NO.

C9

JOB NO. 04170065.00

APPROVED, 6/26/2020