

STORM SEWER STRUCTURE SCHEDULE

- 24" HDPE END SECTION
INV. IN= 1375.25
- 15.48 LF OF 24" TYPE S HDPE PIPE
@ 4.84%
- VDOT STD MH-1
TOP= 1381.68
INV. IN= 1376.10
INV. OUT= 1376.10
- 99.65 LF OF 24" CLASS III RCP
@ 30.00 %
- VDOT STD MH-1
TOP= 1415.01
INV. IN= 1406.10
INV. OUT= 1406.00
- 115.96 LF OF 24" TYPE S HDPE PIPE
@ 1.12%
- VDOT STD MH-1
TOP= 1413.72
INV. IN= 1407.50
INV. OUT= 1407.40
- 101.94 LF OF 24" TYPE S HDPE PIPE
@ 7.75%
- VDOT STD DI-3B (6' THROAT)
TOP= 1425.30
INV. IN= 1415.50
INV. OUT= 1415.40
- 33.52 LF OF 24" TYPE S HDPE PIPE
@ 0.89%
- VDOT STD DI-3B (6' THROAT)
TOP= 1425.02
INV. IN= 1420.25 (STR: 14)
INV. IN = 1415.90 (STR: 10)
INV. OUT= 1415.80 (STR: 8)
- 111.60 LF OF 15" TYPE S HDPE PIPE
@ 1.08%
- VDOT STD DI-3B (6' THROAT)
TOP= 1421.68
INV. IN= 1417.20
INV. OUT= 1417.10
- 102.38 LF OF 15" TYPE S HDPE PIPE
@ 1.76%
- VDOT STD DI-7 (TYPE III GRATE)
TOP= 1424.10
INV. OUT= 1419.00
- 156.62 LF OF 18" TYPE S HDPE PIPE
@ 1.85%
- VDOT STD DI-3B (6' THROAT)
TOP= 1430.36
INV. IN= 1423.25 (STR: 16/18)
INV. OUT= 1423.15
- 33.01 LF OF 15" TYPE S HDPE PIPE
@ 0.76%
- VDOT STD DI-3B (10' THROAT)
TOP= 1430.40
INV. OUT= 1423.50
- 125.36 LF OF 15" TYPE S HDPE PIPE
@ 7.86%
- VDOT STD DI-3B (6' THROAT)
TOP= 1438.18
INV. IN= 1433.20
INV. OUT= 1433.10
- 137.36 LF OF 15" TYPE S HDPE PIPE
@ 6.88%
- VDOT STD DI-3B (10' THROAT)
TOP= 1449.54
INV. IN= 1442.75
INV. OUT= 1442.65
- 66.01 LF OF 15" TYPE S HDPE PIPE
@ 8.94%
- VDOT STD DI-3B (10' THROAT)
TOP= 1453.59
INV. IN= 1448.75
INV. OUT= 1448.65
- 32.72 LF OF 15" TYPE S HDPE PIPE
@ 2.29%
- VDOT STD DI-3B (8' THROAT)
TOP= 1457.18
INV. IN= 1449.60 (STR: 26)
INV. IN = 1449.60 (STR: 28)
INV. OUT= 1449.50 (STR: 24)
- 33.00 LF OF 15" TYPE S HDPE PIPE
@ 0.91%
- VDOT STD DI-3B (8' THROAT)
TOP= 1457.18
INV. OUT= 1449.90
- 126.84 LF OF 15" TYPE S HDPE PIPE
@ 9.50%
- VDOT STD DI-3B (8' THROAT)
TOP= 1470.89
INV. IN = 1461.75
INV. OUT= 1461.65
- 132.52 LF OF 15" TYPE S HDPE PIPE
@ 12.26%
- VDOT STD DI-7 (TYPE III GRATE)
TOP= 1487.92
INV. IN= 1482.00
INV. OUT= 1478.00
- 33.66 LF OF 15" TYPE S HDPE PIPE
@ 12.66%
- 15" HDPE END SECTION
INV. IN = 1486.26
- 172.62 LF OF 12" TYPE S HDPE PIPE
@ 0.52%
- STORM CLEANOUT
TOP= 1410.23
INV. IN= 1407.10
INV. OUT= 1407.00
- 179.21 LF OF 12" TYPE S HDPE PIPE
@ 4.97%
- STORM CLEANOUT
TOP= 1421.07
INV. IN= 1416.10
INV. OUT= 1416.00
- 162.30 LF OF 12" TYPE S HDPE PIPE
@ 9.49%
- STORM CLEANOUT
TOP= 1438.11
INV. IN= 1431.60
INV. OUT= 1431.50
- 193.13 LF OF 12" TYPE S HDPE PIPE
@ 10.61%
- STORM CLEANOUT
TOP= 1455.40
INV. OUT= 1452.10
- 24" RCP END SECTION
OUTFALL = 1320.00
- 60.00 LF OF 24" RCP W/ WATERTIGHT
GASKETED JOINTS @ % 6.67
- 48" RISER
TOP = 1330.80
INV. OUT= 1320.0
ORIFICE = 15" DIA @ ELV. 1327.50
3.5" DIA @ ELV. 1324.00

SANITARY STRUCTURE SCHEDULE

- EX MH-1
TOP= 1402.42
INV. IN= 1394.97
- 127.76 LF OF 8" SDR-35 PVC
@ 9.34%
- S.S. MANHOLE
TOP= 1413.44
INV. IN= 1407.00
INV. OUT= 1406.90
- 197.47 LF OF 8" SDR-35 PVC
@ 2.61%
- S.S. MANHOLE
TOP= 1424.46
INV. IN = 1412.25
INV. OUT= 1412.15
- 200.15 LF OF 8" SDR-35 PVC
@ 3.87%
- S.S. MANHOLE
TOP= 1431.31
INV. IN= 1420.10
INV. OUT= 1420.00
- 121.51 LF OF 8" SDR-35 PVC
@ 7.00%
- S.S. MANHOLE
TOP= 1438.67
INV. IN= 1428.70
INV. OUT= 1428.60
- 179.09 LF OF 8" SDR-35 PVC
@ 7.57%
- S.S. MANHOLE
TOP= 1453.62
INV. IN= 1442.35 (STR: 12)
INV. IN = 1442.35 (STR: 18)
INV. OUT= 1442.25 (STR: 10)
- 124.60 LF OF 8" SDR-35 PVC
@ 13.16%
- S.S. MANHOLE
TOP= 1466.76
INV. IN= 1458.85
INV. OUT= 1458.75
- 118.34 LF OF 8" SDR-35 PVC
@ 11.53%
- S.S. MANHOLE
TOP= 1481.150
INV. IN = 1472.60
INV. OUT= 1472.50
- 12.25 LF OF 8" SDR-35 PVC
@ 5.31%
- 242.25 LF OF 8" SDR-35 PVC
@ 2.75%
- S.S. MANHOLE
TOP= 1459.28
INV. OUT= 1449.00

SANITARY SEWER LATERAL & WATER METER TABLE

Project Name: Masons Crest - 04160002.00
Date: 6/15/2018

Lot #	Downstream Manhole	Distance	Invert of Main	Top of Main	Minimum F.F.E.	Proposed F.F.E./D.F.E.	Elevation @ Water Meter	Static Pressure @ Water Meter
12	EX	0	1397.30	1397.07	1400.97	1402.00	1399.88	62
13	A	38	1408.02	1408.69	1411.69	1424.25	1416.39	54
14	A	110	1409.91	1410.58	1413.58	1427.00	1424.31	51
15	B	61	1414.64	1415.31	1418.31	1429.00	1424.31	51
16	B	61	1414.64	1415.31	1418.31	1431.00	1429.05	49
17	C	59	1424.75	1425.42	1428.42	1435.00	1429.05	49
18	C	69	1425.52	1426.19	1429.19	1445.25	1445.13	42
19	D	67	1435.79	1436.46	1439.46	1452.50	1445.13	42
30	E	142	1446.28	1446.95	1449.95	1462.00	1458.48	36
31	E	210	1448.13	1448.80	1451.80	1453.00	1459.42	36
32	H	0	1448.33	1449.00	1452.00	1460.50	1459.55	36
33	H	0	1448.33	1449.00	1452.00	1460.50	1459.55	36
34	E	210	1448.13	1448.80	1451.80	1460.50	1459.55	36
35	E	142	1446.28	1446.95	1449.95	1461.00	1458.67	36
36	E	44	1448.20	1448.87	1451.87	1463.50	1463.77	34
37	F	22	1461.40	1462.07	1465.07	1469.75	1463.77	34
38	F	22	1461.40	1462.07	1465.07	1477.50	1477.12	28
39	F	40	1463.54	1464.21	1467.21	1470.50	1472.58	30
40	E	89	1454.06	1454.73	1457.73	1461.00	1462.12	35
41	E	10	1443.74	1444.41	1447.41	1452.00	1462.12	35
42	D	115	1437.48	1438.15	1441.15	1444.00	1447.11	41
43	D	50	1432.50	1433.17	1436.17	1438.00	1447.11	41
44	D	0	1428.03	1428.70	1431.70	1434.00	1438.67	45
45	C	77	1425.52	1426.19	1429.19	1430.00	1438.67	45
46	C	14	1421.11	1421.78	1424.78	1426.50	1432.25	47
47	B	170	1418.86	1419.53	1422.53	1424.00	1432.25	47
48	B	100	1416.28	1416.95	1419.95	1421.00	1427.43	50
49	B	35	1413.65	1414.32	1417.32	1419.00	1427.43	50
50	A	95	1409.50	1410.17	1413.17	1414.50	1421.86	52
51	EX	0	1384.20	1384.87	1387.87	1400.00	1412.86	56

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REFLECTING TOPOGRAPHY

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MASON'S CREST - SECTION 3
LINN COVE COURT

UTILITY SCHEDULES

CAVE SPRING DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY KRO
DESIGNED BY CPB
CHECKED BY BTC
DATE 4/3/2018
SCALE N/A

REVISIONS:
6/15/2018
11/27/2018
1/18/2019
7/16/2019 P.R. #1
3/10/2020 P.R. #2
3/31/2020 P.R. #3
4/22/2020 P.R. #4

SHEET NO.

C14

JOB NO. 04160002.00

APPROVED, 6/5/2020