

SANITARY SEWER MANHOLE ALIGNMENT

LINE	BEARING	DISTANCE
"Ex. 23" to "A"	S. 46°20'52" W.	112.83'
"A" to "B"	S. 63°22'42" W.	112.83'
"B" to "C"	S. 80°24'32" W.	286.44'
"C" to "D"	S. 57°35'35" W.	173.26'
"D" to "E"	S. 65°39'34" W.	90.16'
"E" to "F"	S. 85°56'35" W.	90.16'

W.V.W.A. SERVICE LATERAL INFORMATION

LOT	DOWNSTREAM MANHOLE	DIST.	TOP OF S.S. MAIN ELEVATION	MIN. F.F. ELEVATION	APPROX. BF/FF ELEVATION	WWA GIS WATER PRESSURE
1	ex. 8a	99.0	1309.9	1312.9	1320.0	96 psi
2	ex. 23	55.6	1320.9	1323.9	1324.0	96 psi
3	A	9.4	1326.6	1329.6	1330.0	91 psi
4	A	79.4	1330.4	1333.4	1337.0	91 psi
5	B	42.0	1336.9	1339.9	1343.0	86 psi
6	B	97.0	1342.9	1345.9	1350.0	86 psi
7	B	174.1	1351.4	1354.4	1358.0	79 psi
8	B	255.1	1360.3	1363.3	1366.0	79 psi
9	C	51.0	1368.2	1371.2	1375.0	72 psi
10	C	134.0	1375.3	1378.3	1382.0	72 psi
11	D	37.6	1382.3	1385.3	1387.0	67 psi
20	D	51.5	1383.6	1386.6	1392.0	68 psi
21	C	127.6	1374.8	1377.8	1382.0	68 psi
22	C	61.8	1369.1	1372.1	1375.0	73 psi
23	C	0.0	1363.8	1366.8	1369.0	73 psi
24	B	219.2	1356.3	1359.3	1371.0	80 psi
25	B	151.3	1348.9	1351.9	1364.0	80 psi
26	B	72.4	1340.2	1343.2	1358.0	87 psi
27	A	87.3	1330.8	1333.8	1349.0	87 psi
28	ex. 23	102.2	1321.9	1324.9	1339.0	95 psi
29	ex. 23	15.1	1320.0	1323.0	1331.0	95 psi

STATIONS AND OFFSETS ARE MEASURED ALONG A BASELINE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE WITH 0+00.0 BEING THE BEGINNING AT THE LOWER MANHOLE.

THE MIN. FLOOR ELEVATION IS BASED ON SEC. 200.02-2-G-1-h OF THE WESTERN VIRGINIA WATER AUTHORITY WATER & SEWER REGULATIONS. LOT OWNERS REQUESTING A LOWER SERVICE ELEVATION WILL REQUIRE THE USE OF A PRIVATE SEWAGE PUMP FACILITY, INSTALLED AND MAINTAINED BY THE HOMEOWNER.

LOTS WITH WATER PRESSURES BELOW 80 PSI SHALL HAVE TYPE 'A' RESIDENTIAL WATER CONNECTIONS. LOTS WITH WATER PRESSURES BETWEEN 80 AND 120 PSI SHALL HAVE TYPE 'B' RESIDENTIAL WATER CONNECTIONS WITH PRESSURE REDUCING VALVES.

SANITARY STRUCTURE SCHEDULE:

- ex. 23 existing sanitary manhole
top = 1328.41 (plan)
inv. in = 1319.01 (plan)
inv. out = 1318.91 (plan)
- A WWA STD. S-04
5' DIA. INSIDE DROP MANHOLE
TOP = 1331.02
INV. IN = 1325.4
INV. OUT = 1321.4
- B WWA STD. S-01
TOP = 1342.11
INV. IN = 1331.6
INV. OUT = 1331.5
- C WWA STD. S-01
TOP = 1370.95
INV. IN = 1363.1
INV. OUT = 1363.0
- D WWA STD. S-01
TOP = 1387.42
INV. IN = 1378.1
INV. OUT = 1378.0
- E WWA STD. S-01
TOP = 1395.12
INV. IN = 1386.6
INV. OUT = 1386.5
- F WWA STD. S-01
TOP = 1402.82
INV. IN = 1395.0
INV. OUT = 1395.0

*NOTE: VDOT STD. IS-1 SHALL BE PROVIDED IN ALL STRUCTURES.

STORM STRUCTURE SCHEDULE:

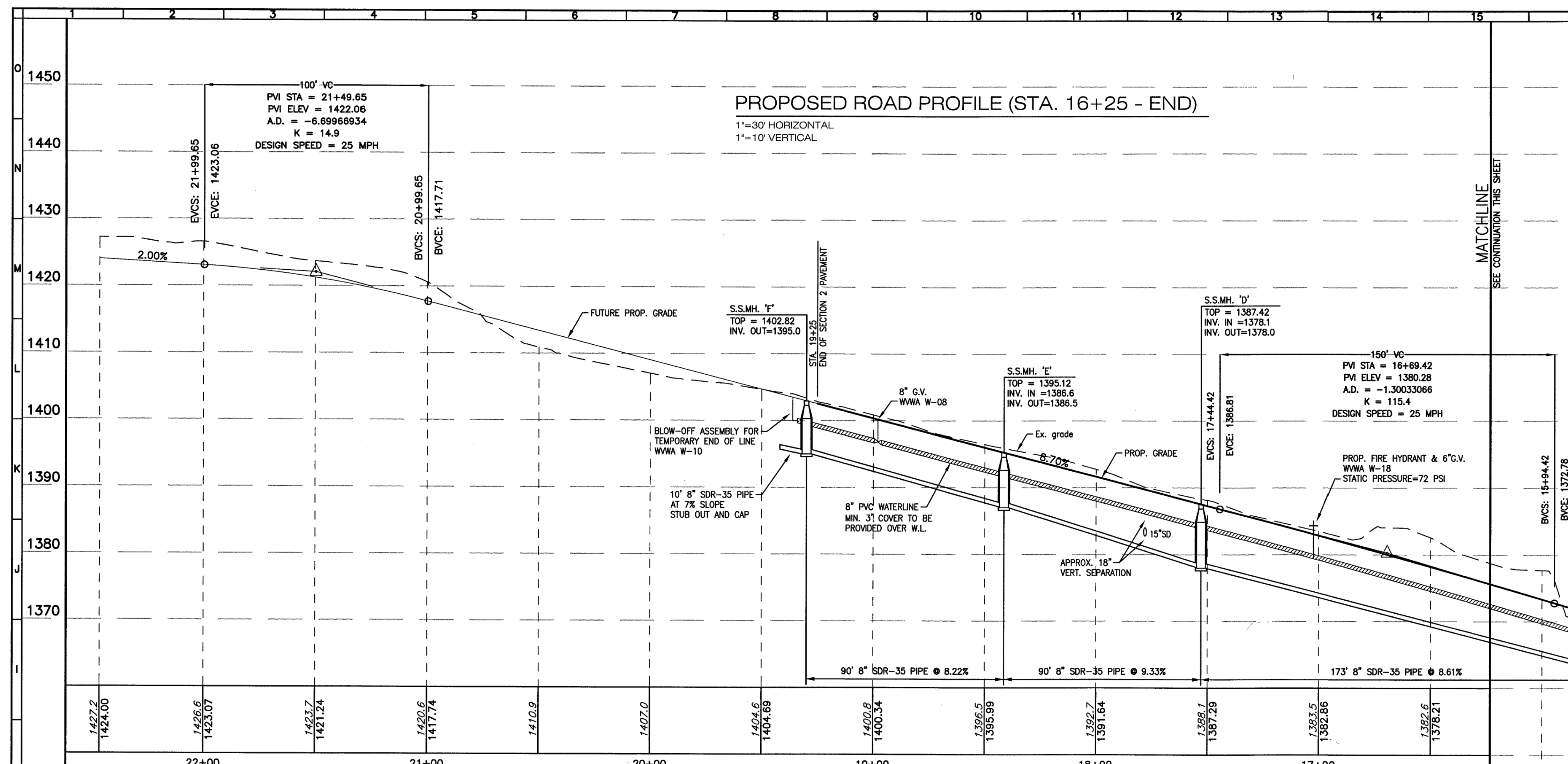
- VDOT STD. DI-3B
THROAT = 14"
TOP = 1343.74
INV. OUT = 1337.0
- 34 LF OF 15" N-12 PIPE @ 1.18%
- VDOT STD. DI-3BB
THROAT = 14"
TOP = 1344.94
INV. IN = 1336.6
INV. OUT = 1336.5
- 105 LF OF 15" N-12 PIPE @ 5.14%
- VDOT STD. DI-7
TYPE III GRATE
TOP = 1335.0
INV. IN = 1331.1
INV. OUT = 1323.5
- 94 LF OF 15" N-12 PIPE @ 8.94%
- VDOT STD. MH-2
TOP = 1319.0
INV. IN = 1315.1
INV. OUT = 1307.1
- 27 LF OF 18" RCP @ 9.63%
- 18" VDOT STD. ES-1
INV. OUT = 1304.5
- VDOT STD. DI-3B
THROAT = 14"
TOP = 1389.51
INV. OUT = 1383.0
- VDOT STD. DI-3B
THROAT = 14"
TOP = 1389.97
INV. IN = 1382.6
INV. OUT = 1382.5
- 98 LF OF 15" N-12 PIPE @ 1.02%
- 15" HDPE END SECTION
INV. = 1381.5
- VDOT STD. DI-1
TOP = 1325.0
INV. OUT = 1322.0
- 19 LF OF 15" N-12 PIPE @ 5.26%
INV. OUT = 1321.0

*NOTE: VDOT STD. IS-1 SHALL BE PROVIDED IN ALL STRUCTURES.

*NOTE: SEE SHEET C-11 FOR STORM PROFILES.

PROPOSED ROAD PROFILE (STA. 16+25 - END)

1"=30' HORIZONTAL
1"=10' VERTICAL



PROPOSED ROAD PROFILE (STA. 10+00 - 16+25)

1"=30' HORIZONTAL
1"=10' VERTICAL

