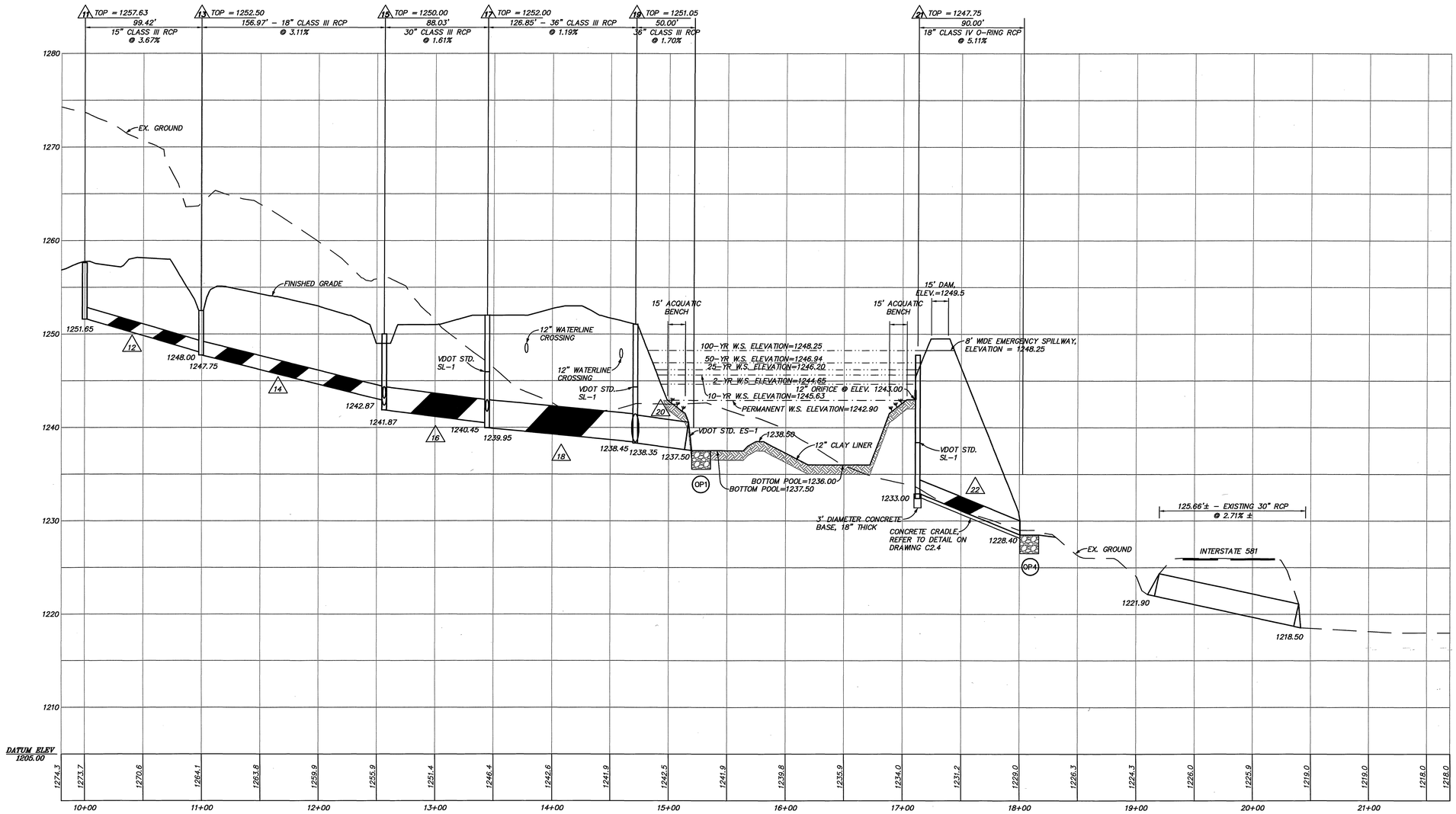

STORM SEWER PROFILE

HOR. SCALE: 1"=40'
VERT. SCALE: 1"=5'

DRAINAGE SUMMARY

11 DI-3B, L=6', TOP = 1257.63, H = 5.97'

12 99.42 L.F. 15" CLASS III RCP @ 3.67%
INV. IN = 1251.65, INV. OUT = 1248.00

13 DI-1, TOP = 1252.50, H = 4.75'

14 156.97 L.F. 18" CLASS III RCP @ 3.11%
INV. IN = 1247.75, INV. OUT = 1242.87

15 DI-7 W/DI-1 TOP, TOP = 1250.00, H = 8.13'

16 88.03 L.F. 30" CLASS III RCP @ 1.61%
INV. IN = 1241.87, INV. OUT = 1240.45

17 DI-4CC, L=6', TOP = 1252.00, H = 12.05'

18 126.85 L.F. 36" CLASS III RCP @ 1.19%
INV. IN = 1239.95, INV. OUT = 1238.45

19 DI-7 W/DI-1 TOP, TOP = 1251.05, H = 12.70'

20 50.00 L.F. 36" CLASS III RCP @ 1.70%
INV. IN = 1238.35, INV. OUT = 1237.50

21 30' RCP RISER W/30" PYRAMID TRASH RACK,
TOP = 1247.25, H = 14.25'

22 90.00 L.F. 18" CLASS IV O-RING RCP @ 5.11%
INV. IN = 1233.00, INV. OUT = 1228.40

33 DI-1, TOP = 1252.00, H = 6.07'

34 116.30 L.F. 15" CLASS III RCP @ 0.50%
INV. IN = 1245.93, INV. OUT = 1245.35

35 DI-1, TOP = 1251.00, H = 6.25'

36 108.12 L.F. 21" CLASS III RCP @ 0.50%
INV. IN = 1244.75, INV. OUT = 1244.21

37 DI-1, TOP = 1251.00, H = 7.14'

38 124.95 L.F. 24" CLASS III RCP @ 0.50%
INV. IN = 1243.86, INV. OUT = 1243.23

39 DI-1, TOP = 1251.00, H = 7.87'

40 152.26 L.F. 24" CLASS III RCP @ 0.50%
INV. IN = 1243.13, INV. OUT = 1242.37

41 DI-3C, L=8', TOP = 1252.00, H = 4.20'

42 138.75 L.F. 15" CLASS III RCP @ 3.37%
INV. IN = 1247.80, INV. OUT = 1243.12

43 DI-3B, L=6', TOP = 1252.90, H = 7.07'

44 94.63 L.F. 15" CLASS III RCP @ 0.50%
INV. IN = 1245.83, INV. OUT = 1245.35

45 DI-3B, L=6', TOP = 1253.00, H = 4.50'

46 112.56 L.F. 15" CLASS III RCP @ 6.04%
INV. IN = 1248.50, INV. OUT = 1241.70

47 DI-1, TOP = 1252.30, H = 7.30'

48 56.50 L.F. 15" CLASS III RCP @ 0.50%
INV. IN = 1245.00, INV. OUT = 1244.72

49 DI-1, TOP = 1248.30, H = 3.68'

50 154.25 L.F. 24" CLASS III RCP @ 0.50%
INV. IN = 1244.62, INV. OUT = 1243.85

51 MH-1, TOP = 1255.00, H = 11.25'

52 129.80 L.F. 24" CLASS III RCP @ 0.50%
INV. IN = 1243.75, INV. OUT = 1243.10

53 DI-1, TOP = 1252.80, H = 9.80'

54 68.63 L.F. 24" CLASS III RCP @ 0.50%
INV. IN = 1243.00, INV. OUT = 1242.65

55 DI-3BB, L=4', TOP = 1254.12, H = 11.97'

56 31.98 L.F. 30" CLASS III RCP @ 0.50%
INV. IN = 1242.15, INV. OUT = 1241.99

57 MH-1, TOP = 1254.38, H = 12.48'

58 162.87 L.F. 30" CLASS III RCP @ 0.50%
INV. IN = 1241.89, INV. OUT = 1241.08

59 DI-3BB, L=6', TOP = 1252.00, H = 11.02'

60 131.78 L.F. 30" CLASS III RCP @ 0.50%
INV. IN = 1240.98, INV. OUT = 1240.32

61 DI-7 W/DI-1 TOP, TOP = 1249.40, H = 9.58'

62 146.55 L.F. 36" CLASS III RCP @ 0.50%
INV. IN = 1239.82, INV. OUT = 1239.09

61A DI-7 W/DI-1 TOP, TOP = 1249.60, H = 10.61'

62A 107.20 L.F. 36" CLASS III RCP @ 0.50%
INV. IN = 1238.99, INV. OUT = 1238.45

63 24" NYLOPLAST, TOP = 1252.55, H = 6.05'

64 50.00 L.F. 15" CLASS III RCP @ 0.50%
INV. IN = 1246.50, INV. OUT = 1246.25

65 24" NYLOPLAST, TOP = 1253.72, H = 7.57'

66 45.00 L.F. 15" CLASS III RCP @ 0.50%
INV. IN = 1246.15, INV. OUT = 1245.93

NOTES:
1. PIPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURE.
2. ALL CULVERTS ARE MEASURED FROM END SECTION TO END SECTION.
3. ALL STRUCTURES REQUIRE VDOT STD. IS-1 INLET SHAPING.
4. ALL STRUCTURES GREATER THAN 4' DEEP REQUIRE VDOT STD. ST-1.
5. ALL STRUCTURES GREATER THAN 12' DEEP REQUIRE VDOT STD. SL-1.
6. ALL PIPE ENDS REQUIRE VDOT STANDARD ES-1.
7. STRUCTURE #'s 1-10 AND 23-32 ARE NOT USE.

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NEW MULTIGENERATIONAL RECREATION CENTER
HOLLINS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

PROJECT NO: 401920
DATE: JUNE 3, 2008
REVISIONS: AUGUST 6, 2008
DRAWN BY: WLP
REVIEWED BY: SEB

STORM SEWER PROFILES

C5.2