

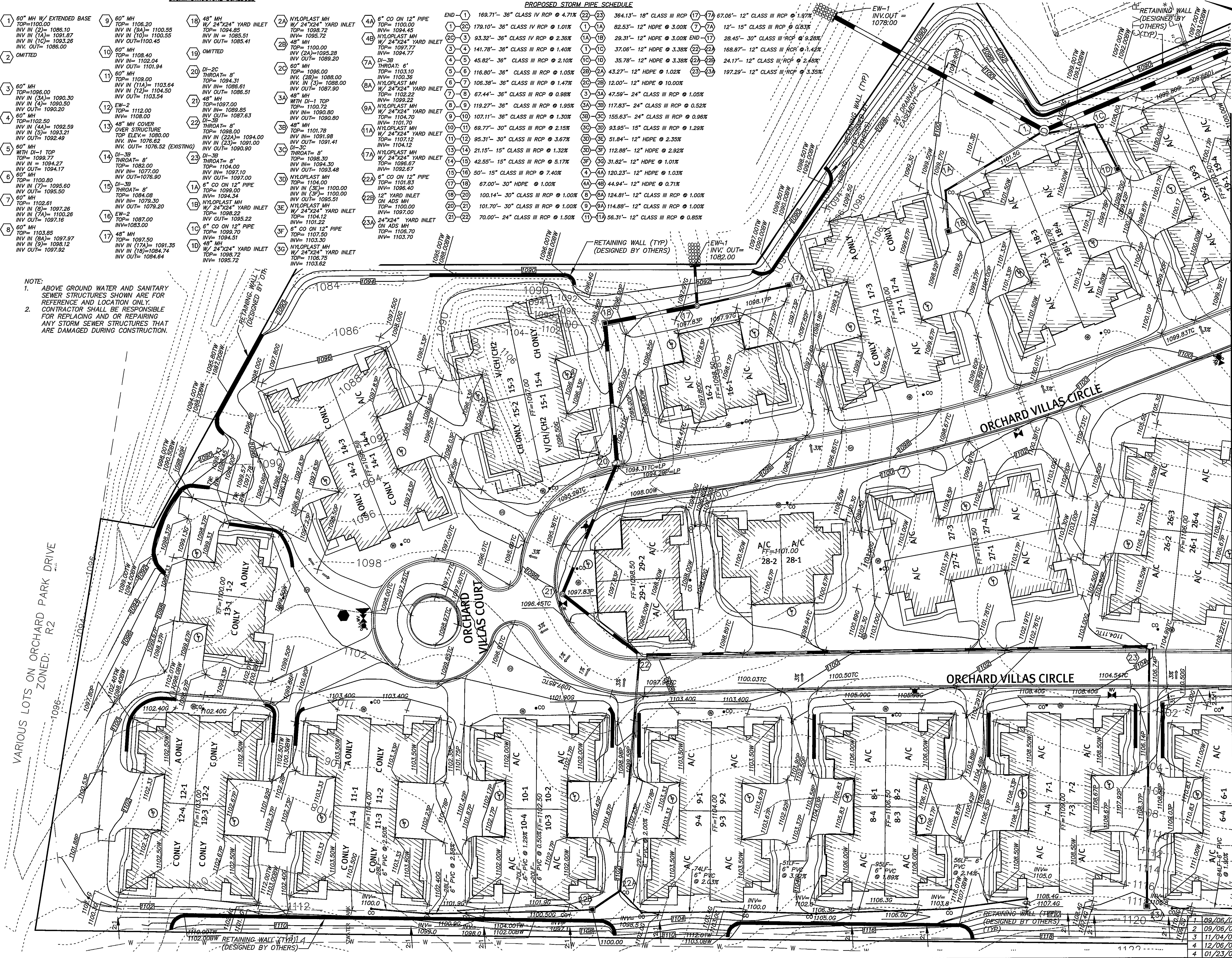
STORM STRUCTURE SCHEDULE

1 60" MH W/ EXTENDED BASE TOP=1100.00 INV IN (9A)= 1086.10 INV IN (1A)= 1091.87 INV IN (10)= 1093.26 INV OUT= 1086.00	9 60" MH TOP= 1106.20 INV IN (9A)= 1100.55 INV IN (10)= 1100.55 INV OUT=1100.45	18 48" MH W/ 24"x24" YARD INLET TOP= 1094.85 INV IN= 1085.51 INV OUT= 1085.41	2A NYLOPLAST MH W/ 24"x24" YARD INLET TOP= 1098.72 INV IN= 1085.72 INV OUT= 1089.20
2 OMITTED	10 60" MH TOP= 1108.40 INV IN= 1102.04 INV OUT= 1101.94	19 OMITTED	2B 48" MH TOP= 1100.00 INV IN= 1095.28 INV OUT= 1089.20
3 60" MH TOP=1086.00 INV IN (3A)= 1090.30 INV IN (4)= 1090.50 INV OUT= 1090.20	11 60" MH TOP= 1109.00 INV IN (11A)= 1103.64 INV IN (12)= 1104.50 INV OUT= 1103.54	20 DI-2C THROAT= 8" TOP= 1094.31 INV IN= 1086.61 INV OUT= 1086.51	2C 48" MH TOP= 1103.10 INV IN= 1093.36 INV IN (3)= 1098.00 INV OUT= 1087.90
4 60" MH TOP=1102.50 INV IN (9)= 1092.59 INV IN (9)= 1093.21 INV OUT= 1092.48	12 EW-2 TOP= 1112.00 INV IN= 1108.00	21 48" MH TOP=1097.00 INV IN= 1089.85 INV IN= 1087.63 DI-3B THROAT= 8" TOP= 1098.00 INV IN (22A)= 1094.00 INV IN (23)= 1091.00 INV OUT= 1090.90	2D 48" MH TOP= 1101.70 INV IN= 1091.78 INV IN= 1091.98 INV IN= 1091.41 DI-3C THROAT= 8" TOP= 1098.30 INV IN= 1094.30 INV IN= 1093.48
5 60" MH WITH DI-1 TOP TOP= 1099.77 INV IN= 1094.27 INV OUT= 1094.17	13 48" MH COVER OVER STRUCTURE TOP ELEV.= 1090.00 INV IN= 1076.62 INV OUT= 1076.52 (EXISTING)	22 48" MH TOP= 1097.00 INV IN= 1089.85 INV IN= 1087.63 DI-3B THROAT= 8" TOP= 1098.00 INV IN (22A)= 1094.00 INV IN (23)= 1091.00 INV OUT= 1090.90	2E 48" MH TOP= 1101.70 INV IN= 1091.78 INV IN= 1091.98 INV IN= 1091.41 DI-3C THROAT= 8" TOP= 1098.30 INV IN= 1094.30 INV IN= 1093.48
6 60" MH TOP= 1100.80 INV IN (7)= 1095.60 INV OUT= 1095.50	14 DI-3B THROAT= 8" TOP= 1092.00 INV IN= 1077.00 INV OUT= 1093.90	23 48" MH TOP= 1097.00 INV IN= 1089.85 INV IN= 1087.63 DI-3B THROAT= 8" TOP= 1098.00 INV IN (22A)= 1094.00 INV IN (23)= 1091.00 INV OUT= 1090.90	2F 48" MH TOP= 1101.70 INV IN= 1091.78 INV IN= 1091.98 INV IN= 1091.41 DI-3C THROAT= 8" TOP= 1098.30 INV IN= 1094.30 INV IN= 1093.48
7 60" MH TOP= 1102.61 INV IN (9)= 1097.26 INV IN (7A)= 1100.26 INV OUT= 1097.16	15 DI-3B THROAT= 8" TOP= 1094.08 INV IN= 1079.30 INV OUT= 1079.20	24 48" MH TOP= 1097.00 INV IN= 1089.85 INV IN= 1087.63 DI-3B THROAT= 8" TOP= 1098.00 INV IN (22A)= 1094.00 INV IN (23)= 1091.00 INV OUT= 1090.90	2G 48" MH TOP= 1101.70 INV IN= 1091.78 INV IN= 1091.98 INV IN= 1091.41 DI-3C THROAT= 8" TOP= 1098.30 INV IN= 1094.30 INV IN= 1093.48
8 60" MH TOP= 1103.85 INV IN (8A)= 1097.97 INV IN (9)= 1098.12 INV OUT= 1097.92	16 EW-2 TOP= 1097.00 INV IN= 1093.00 INV OUT= 1093.00	25 48" MH TOP= 1097.00 INV IN= 1089.85 INV IN= 1087.63 DI-3B THROAT= 8" TOP= 1098.00 INV IN (22A)= 1094.00 INV IN (23)= 1091.00 INV OUT= 1090.90	2H 48" MH TOP= 1101.70 INV IN= 1091.78 INV IN= 1091.98 INV IN= 1091.41 DI-3C THROAT= 8" TOP= 1098.30 INV IN= 1094.30 INV IN= 1093.48

PROPOSED STORM PIPE SCHEDULE

END-1 169.71'- 36" CLASS IV RCP @ 4.71%	22-23 364.13'- 18" CLASS III RCP @ 1.97%	17-18 67.06'- 12" CLASS III RCP @ 1.97%
1-20 179.10'- 36" CLASS IV RCP @ 1.01%	1-1A 82.53'- 12" HDPE @ 3.00%	7-7A 12'- 15" CLASS III RCP @ 0.83%
20-3 93.32'- 36" CLASS IV RCP @ 2.36%	1A-1B 29.31'- 12" HDPE @ 3.00%	END-17 28.45'- 30" CLASS III RCP @ 9.26%
3-4 141.78'- 36" CLASS III RCP @ 1.40%	1-1C 37.06'- 12" HDPE @ 3.38%	22-22A 168.87'- 12" CLASS III RCP @ 1.42%
4-5 45.82'- 36" CLASS III RCP @ 2.10%	10-10 35.78'- 12" HDPE @ 3.38%	22-22B 24.17'- 12" CLASS III RCP @ 2.48%
5-6 116.80'- 36" CLASS III RCP @ 1.05%	20-20 43.27'- 12" HDPE @ 1.02%	23-23A 197.29'- 12" CLASS III RCP @ 3.35%
6-7 106.38'- 36" CLASS III RCP @ 1.47%	20-20 12.00'- 12" HDPE @ 10.00%	
7-8 67.44'- 36" CLASS III RCP @ 0.98%	3-3A 47.59'- 24" CLASS III RCP @ 1.05%	
8-9 119.27'- 36" CLASS III RCP @ 1.95%	3A-3B 117.83'- 24" CLASS III RCP @ 0.52%	
10-11 107.11'- 36" CLASS III RCP @ 1.30%	3B-3C 155.63'- 24" CLASS III RCP @ 0.98%	
11-12 69.77'- 30" CLASS III RCP @ 2.15%	3C-3D 93.95'- 15" CLASS III RCP @ 1.29%	
12-13 95.31'- 30" CLASS III RCP @ 3.67%	3D-3E 51.84'- 12" HDPE @ 2.35%	
13-14 21.15'- 15" CLASS III RCP @ 1.32%	3E-3F 112.88'- 12" HDPE @ 2.92%	
14-15 42.55'- 15" CLASS III RCP @ 5.17%	3F-3G 31.82'- 12" HDPE @ 1.01%	
15-16 50'- 15" CLASS III RCP @ 7.40%	4-4A 120.23'- 12" HDPE @ 1.03%	
16-17 67.00'- 30" HDPE @ 1.00%	4A-4B 44.94'- 12" HDPE @ 0.71%	
17-18 100.14'- 30" CLASS III RCP @ 1.00%	4B-4C 124.81'- 12" CLASS III RCP @ 1.00%	
18-19 101.70'- 30" CLASS III RCP @ 1.00%	4C-4D 114.88'- 12" CLASS III RCP @ 1.00%	
19-20 70.00'- 24" CLASS III RCP @ 1.50%	4D-4E 56.31'- 12" CLASS III RCP @ 0.85%	

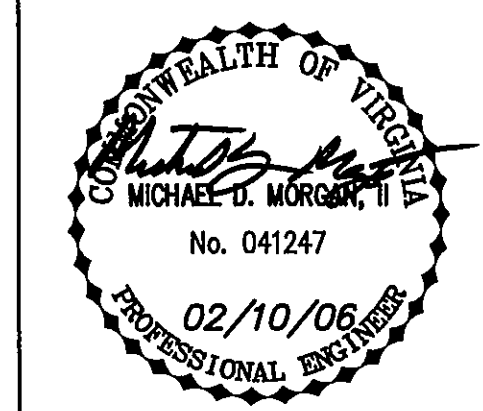
NOTE:
1. ABOVE GROUND WATER AND SANITARY SEWER STRUCTURES SHOWN ARE FOR REFERENCE AND LOCATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND OR REPAIRING ANY STORM SEWER STRUCTURES THAT ARE DAMAGED DURING CONSTRUCTION.



MATCHLINE SHEET 10 OF 33

30 SCALE GRADING PLAN (NORTH)
FOR
ORCHARD VILLAS
ROANOKE COUNTY, VIRGINIA

PROJECT NO. 20040345
G.L. NO. 260-04-C4.7
FILE NO. LS-11039
DATE: 09/06/05
DRAWN BY: DLC
CHECKED BY: MDM



HURT & PROFFITT

SHEET NO.
11 OF 33