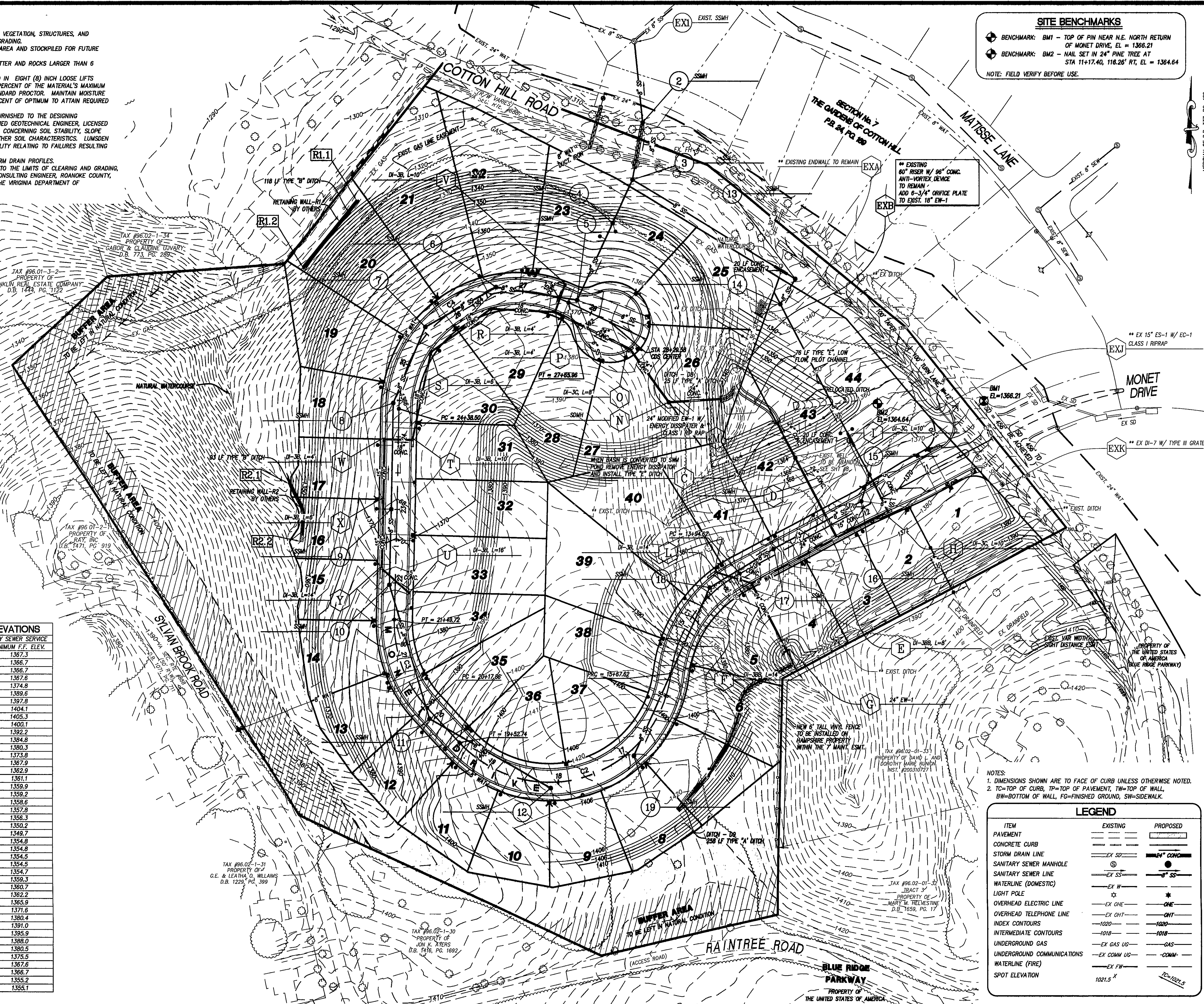


1. AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION, STRUCTURES, AND OTHER PHYSICAL FEATURES IN PREPARATION OF GRADING.
2. TOPSOIL SHALL BE REMOVED FROM THE CLEARED AREA AND STOCKPILED FOR FUTURE USE.
3. FILL MATERIAL SHALL BE FREE FROM ORGANIC MATTER AND ROCKS LARGER THAN 6 INCHES IN DIAMETER.
4. FILL MATERIAL SHALL BE PLACED AND COMPACTED IN EIGHT (8) INCH LOOSE LIFTS AND COMPACTED AT LEAST NINETY-FIVE (95) PERCENT OF THE MATERIAL'S MAXIMUM DRY UNIT WEIGHT AS DETERMINED BY ASTM #698, STANDARD PROCTOR. MAINTAIN MOISTURE CONTENT OF FILL MATERIAL WITHIN THREE (3) PERCENT OF OPTIMUM TO ATTAIN REQUIRED COMPACTION DENSITY.
5. NO SUBSURFACE SOILS INFORMATION HAS BEEN FURNISHED TO THE DESIGNING ENGINEER (LUMSDEN ASSOCIATES, P.C.). A QUALIFIED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE OF VIRGINIA, SHOULD BE CONSULTED CONCERNING SOIL STABILITY, SLOPE STABILIZATION, SOIL COMPACTION, TESTING, AND OTHER SOIL CHARACTERISTICS. LUMSDEN ASSOCIATES ASSUMES NO RESPONSIBILITY OR LIABILITY RELATING TO FAILURES RESULTING FROM SAME.
6. SEE SHEETS 7 & 8 FOR SEWER, WATER, AND STORM DRAIN PROFILES.
7. NO CONSTRUCTION FIELD REVISIONS OR CHANGES TO THE LIMITS OF CLEARING AND GRADING, ARE ALLOWED WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER, ROANOKE COUNTY, ROANOKE COUNTY PLANNING AND ZONING, AND THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

MINIMUM FINISHED FLOOR ELEVATIONS		
MINIMUM FLOOR ELEVATION FOR GRAVITY SANITARY SEWER SERVICE		
LOT	CLEANOUT INVERT	MINIMUM F.F. ELEV.
1	1362.85	1367.3
2	1362.16	1366.7
3	1362.24	1366.7
4	1363.06	1367.6
5	1370.05	1374.8
6	1385.03	1389.6
7	1393.23	1397.8
8	1399.46	1404.1
9	1490.70	1405.3
10	1395.47	1400.1
11	1387.64	1392.2
12	1380.25	1380.8
13	1375.75	1380.3
14	1369.18	1373.8
15	1363.32	1367.9
16	1358.30	1362.9
17	1356.52	1361.1
18	1355.26	1359.9
19	1354.56	1359.2
20	1353.95	1358.6
21	1353.18	1357.8
22	1351.73	1356.3
23	1346.21	1350.2
24	1345.68	1349.7
25	1350.37	1354.8
26	1350.37	1354.8
27	1350.06	1354.5
28	1350.06	1354.5
29	1350.09	1354.7
30	1354.56	1359.3
31	1356.35	1360.7
32	1357.83	1362.2
33	1361.92	1365.9
34	1367.15	1371.6
35	1375.94	1380.4
36	1386.46	1391.0
37	1391.09	1395.9
38	1383.76	1388.0
39	1376.13	1380.5
40	1371.14	1375.5
41	1363.08	1367.6
42	1362.31	1366.7
43	1351.14	1355.2
44	1351.03	1355.1



NOTES:
1. DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. TC=TOP OF CURB, TP=TOP OF PAVEMENT, TW=TOP OF WALL,
BW=BOTTOM OF WALL, FG=FINISHED GROUND, SW=SIDEWALK.

LEGEND		
ITEM	EXISTING	PROPOSED
PAVEMENT	---	---
CONCRETE CURB	---	---
STORM DRAIN LINE	---	---
SANITARY SEWER MANHOLE	⊙	⊙
SANITARY SEWER LINE	---	---
WATERLINE (DOMESTIC)	---	---
LIGHT POLE	☆	☆
OVERHEAD ELECTRIC LINE	---	---
OVERHEAD TELEPHONE LINE	---	---
INDEX CONTOURS	1020	1020
INTERMEDIATE CONTOURS	1018	1018
UNDERGROUND GAS	---	---
UNDERGROUND COMMUNICATIONS	---	---
WATERLINE (FIRE)	---	---
SPOT ELEVATION	1095.6 X	1095.6 X

LA LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA

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P.O. BOX 20669
ROANOKE, VIRGINIA 24018

PHONE: (540) 774-4411
FAX: (540) 772-9445
E-MAIL: MAIL@LUMSDENPC.COM

COMMONWEALTH OF VIRGINIA
 TCM
 THOMAS C. DALE
 No. 033002
 5/19/06
 PROFESSIONAL ENGINEER

GRADING PLAN

"HAMPSHIRE"
PREPARED FOR
COTTON HILL LAND CO., LC
CAVE SPRING MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

DATE: May 19, 2006

COMMISSION NO:

SHEET 6 OF 14