

## GENERAL NOTES:

1. DRAINFIELD LOCATIONS MUST BE APPROVED BY THE VIRGINIA DEPARTMENT OF HEALTH.
2. PARKING LOT TO CONSIST OF 2" SM-2A ASPHALT CONCRETE & 8" MINIMUM VDOT STANDARD 21-A OR APPROVED EQUAL.
3. PROPOSED BUILDING SHALL BE 6-STORY WITH A HEIGHT NOT TO EXCEED 70.0'.
4. PROPOSED SIGNAGE SHALL BE IN ACCORDANCE WITH THE FRANKLIN COUNTY ZONING ORDINANCE. APPLICATIONS FOR A SIGN PERMIT MAY BE OBTAINED FROM THE FRANKLIN COUNTY DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT.
5. CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. UTILITY LOCATOR SERVICE (1-800-552-7001) TO BE CONTACTED AT LEAST 72 HOURS BEFORE DIGGING.
6. ALL FILL MATERIAL TO BE COMPACTED TO MINIMUM 95% OF STANDARD PROCTOR AT ±3% OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698.
7. ALL PROPOSED LIGHTING MUST BE APPROVED BY THE FRANKLIN COUNTY DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT.
8. CONTRACTOR TO BE RESPONSIBLE FOR ALL COMPACTION TESTING, THE LOCATION AND FREQUENCY OF TESTING WILL BE DETERMINED BY OWNER/ENGINEER.
9. FIRE PROTECTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION. DESIGN TO BE PROVIDED BY THE ARCHITECT.
10. ALL BOUNDARY INFORMATION PROVIDED BY CORNERSTONE LAND SURVEYING, INC.
11. UTILITIES SHALL BE INSTALLED IN 2" PVC CONDUIT FOR TELEPHONE LINE, 2" PVC CONDUIT FOR CABLE TV, AND 4" PVC CONDUIT FOR ELECTRIC LINE. LOCATIONS TO BE COORDINATED BY THE CONTRACTOR WITH THE UTILITY COMPANY.
12. ALL WATER AND SEWER LINE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH FRANKLIN COUNTY CODE, CHAPTER 22.
13. ALL UTILITIES IN THE VDOT RIGHT OF WAY SHALL HAVE A MINIMUM COVER OF 36".
14. ALL TRAFFIC CONTROL MUST BE IN ACCORDANCE WITH 2003 VIRGINIA WORK AREA PROTECTION MANUAL.
15. SOLID WASTE DISPOSAL SHALL BE PROVIDED BY EXISTING DUMPSTER FACILITIES.
16. ALL SOIL WORK AND DESIGN PERFORMED BY AOSE #23, CHARLES ALISON JR. DRAINFIELDS APPROVED BY THE VIRGINIA DEPARTMENT OF HEALTH WITH THE FOLLOWING CONSTRUCTION PERMIT IDENTIFICATION NUMBERS: #133-05-0301, #133-05-0302, AND #133-05-0303. SEWAGE DISPOSAL SYSTEM PLANS DATED JANUARY 10, 2005 PROVIDED BY ACS DESIGN (TEL. 540-562-2345).
17. ALL WATER AND SEWER LINE CROSSINGS MUST BE IN ACCORDANCE WITH FRANKLIN COUNTY CODE, CHAPTER 22 AND THE LATEST VERSION OF THE VIRGINIA DEPARTMENT OF HEALTH WATERWORKS REGULATIONS. MAINTAIN A VERTICAL SEPARATION OF 18" BETWEEN WATERLINE AND SEWER LINE WITH WATERLINE ON TOP. SEWERS PASSING OVER WATER MAINS SHALL HAVE ADEQUATE SUPPORT TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND THE SETTLING ON AND BREAKING OF THE PIPES. THE LENGTH OF THE WATER LINE SHALL BE CENTERED AT THE POINT OF THE CROSSING SO THAT JOINTS SHALL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

**SLOTTED DRAIN SPECIFICATIONS:**  
24LF - CONTECH 18" SLOTTED DRAIN  
PIPE SLOPE = 2.0%  
MIN. GRATE HEIGHT = 2.5"

**SLOTTED DRAIN (SD)  
SD #1 (TYP. OF 2)  
SEE SPECIFICATIONS  
THIS SHEET**

RETAINING WALL PILASTERS SPACED 10'-0" APART  
MOUNT LIGHTING ON EVERY OTHER PILASTER (TYP.)  
(SEE DETAIL SHEET 8 FOR RETAINING WALL DETAILS)

**NOW OR FORMERLY  
WATERS EDGE, INC.  
TAX ID #15-57.07  
8.5 ACRES  
DB 395 PG 743  
ZONE PCD  
CURRENT USE: RETAIL**

PROPOSED STRUCTURE SCHEDULE	
STRUCTURE	DESCRIPTION
1	SAN. MH TOP ELEV.=815.50', INV. OUT=808.80'
2	262.45 L.F.-8" DUCT. IRON INV. IN=808.80', INV. OUT=807.49', S=0.50%
3	SAN. MH, TOP ELEV.=815.50', INV. OUT=808.70'
4	80.68 L.F.-8" DUCT. IRON, INV. IN=808.70', INV. OUT=807.49', S=1.50%
5	SAN. MH, TOP ELEV.=811.70', INV. IN=807.49', INV. OUT=807.39'
6	58.89 L.F.-8" DUCT. IRON, INV. IN=807.39', INV. OUT=807.09', S=0.50%
7	SAN. MH, TOP ELEV.=810.87', INV. IN = 807.09', INV. OUT=806.99'
8	82.85 L.F.-8" DUCT. IRON, INV. IN=806.99', INV. OUT=806.58', S=0.50%
9	SAN. MH, TOP ELEV.=810.50', INV. IN = 806.58', INV. OUT=806.48'
10	14.88 L.F.-8" DUCT. IRON, INV. IN=806.48', INV. OUT=806.40', S=0.50%
11	VDOT STD. DI-7, GRATE TYPE III, TOP ELEV.=818.00', INV. OUT=813.00'
12	155.32 L.F.-18" CMP, INV. IN=813.00', INV. OUT=807.00', S=3.87%
13	VDOT STD. MH-1, TOP ELEV.=815.50', INV. IN=807.00', INV. OUT=806.90'
14	105.34 L.F.-18" CMP, INV. IN=806.90', INV. OUT=799.20', S=7.33%
15	VDOT STD. MH-1, TOP ELEV.=803.50', INV. IN=799.20', INV. OUT=799.10'
16	63.06 L.F.-24" CMP, INV. IN=799.10', INV. OUT=797.10', S=3.17%
17	VDOT STD. MH-1, TOP ELEV.=803.50', INV. IN=797.10', INV. OUT=797.00'
18	96.34 L.F.-24" CMP, INV. IN=797.00', INV. OUT=795.00', S=2.08%

STRUCTURE	DESCRIPTION
19	VDOT STD. MH-1, TOP ELEV.=813.00', INV. OUT=808.00'
20	75.58 L.F.-18" CMP INV. IN=808.00', INV. OUT=807.00', S=1.32%
21	VDOT STD. DI-1, TOP ELEV.=803.00', INV. OUT=798.00'
22	109.34 L.F.-18" CMP, INV. IN=798.00', INV. OUT=796.60', S=1.28%
23	VDOT STD. MH-1, TOP ELEV.=802.37', INV. IN=796.60', INV. OUT=796.50'
24	75.68 L.F.-18" CMP, INV. IN=796.50', INV. OUT=795.50', S=1.32%
25	24.00 L.F.-18" TRENCH DRAIN, INV. IN=801.20', S=0.50%
26	2.50 L.F.-18" CMP, INV. OUT=801.07', S=0.50%
27	24" CMP RISER, TOP ELEV.=803.60', INV. IN=801.70', INV. OUT=798.00'
28	33.84 L.F.-18" CMP, INV. IN=798.00', INV. OUT=797.83', S=0.50%
29	VDOT STD. MH-1, TOP ELEV.=808.48', INV. IN=797.83', INV. OUT=797.73'
30	97.47 L.F.-18" CMP, INV. IN=797.73', INV. OUT=795.50', S=2.39%

**EXCAVATION QUANTITIES  
VOLUME REPORT**

306 CY FILL  
49,125 CY CUT  
NOTE: NO COMPACTION FACTOR CONSIDERED  
DURING THESE ESTIMATIONS.

**EROSION & SEDIMENT CONTROL  
QUANTITIES**

1010 LF SILT FENCE  
1 EA CONSTRUCTION ENTRANCE  
1.62 AC PERMANENT SEEDING  
15 INLET/OUTLET CONTROL  
2 SEDIMENT TRAPS

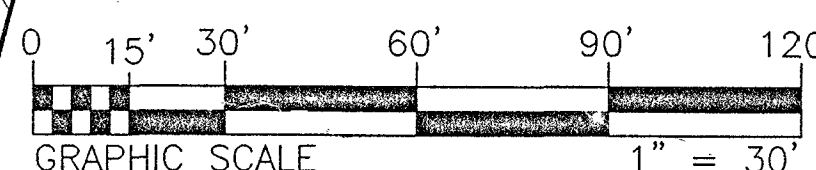
NOTE:  
QUANTITIES SHOWN ABOVE ARE APPROXIMATIONS MADE BY ENGINEER ACCORDING TO THIS  
PLAN AND SHALL ASSIST IN BOND ESTIMATES ONLY. ADDITIONAL MATERIALS AND/OR  
QUANTITIES MAY BE REQUIRED FOR COMPLETION OF THE PROJECT.

**PAVEMENT QUANTITIES**

406 TONS VDOT STD SM-2A ASPHALT  
1626 TONS TYPE 1, 21-A AGGREGATE

CURVE TABLE			
CURVE	LENGTH	RADIUS	Chord
C1	341.22'	1432.40	340.42'

LINE TABLE		
LINE	LENGTH	BEARING
L2	330.01	S17°27'51"E
L3	9.66	S17°27'51"E
L4	37.56	N65°50'06"W
L5	38.45	S75°25'40"E
L6	21.88	N80°17'14"E
L7	50.50	N76°35'13"E
L8	88.91	N77°20'22"E
L9	17.47	N59°42'58"E
L10	41.67	N31°12'41"E
L11	55.02	N36°17'02"E
L12	65.76	N33°50'05"E
L13	71.35	S35°56'06"W
L14	39.40	N21°21'58"E
L15	65.84	N00°50'03"W
L16	33.57	N47°30'46"E
L17	36.26	N03°03'09"E
L18	69.65	N26°26'41"W
L19	51.74	S37°57'55"E
L20	28.06	N30°18'18"W
L21	145.80	N70°44'17"E



SMITH MOUNTAIN  
LAKE

**NOW OR FORMERLY  
WATERS EDGE, INC.  
TAX ID #15-57.00  
3.988 ACRES  
(ABOVE 800' CONTOUR)  
DB 533 PG 1174  
ZONE PCD  
CURRENT USE: UNDEVELOPED**

**SITE DIMENSIONAL PLAN  
FOR BRIDGEWATER POINTE  
LOCATED ON SMITH MOUNTAIN LAKE  
GILLS CREEK MAGISTERIAL DISTRICT  
FRANKLIN COUNTY, VIRGINIA**

DATE: 3/17/05  
SCALE: 1" = 30'  
SHEET 2 OF 10  
PROJECT NO.  
04117

DESIGN: MBP  
DRAFT: MBP  
CHECK: RDS

**SE Stone Engineering**  
250 S. Main Street  
Rocky Mount, Virginia 24151  
(540) 485-0078

REVISIONS	DATE	DESCRIPTION
FRANKLIN COUNTY & VDOT COMMENTS	5/24/05	
FRANKLIN COUNTY COMMENTS	6/28/05	
FRANKLIN COUNTY COMMENTS	7/20/05	