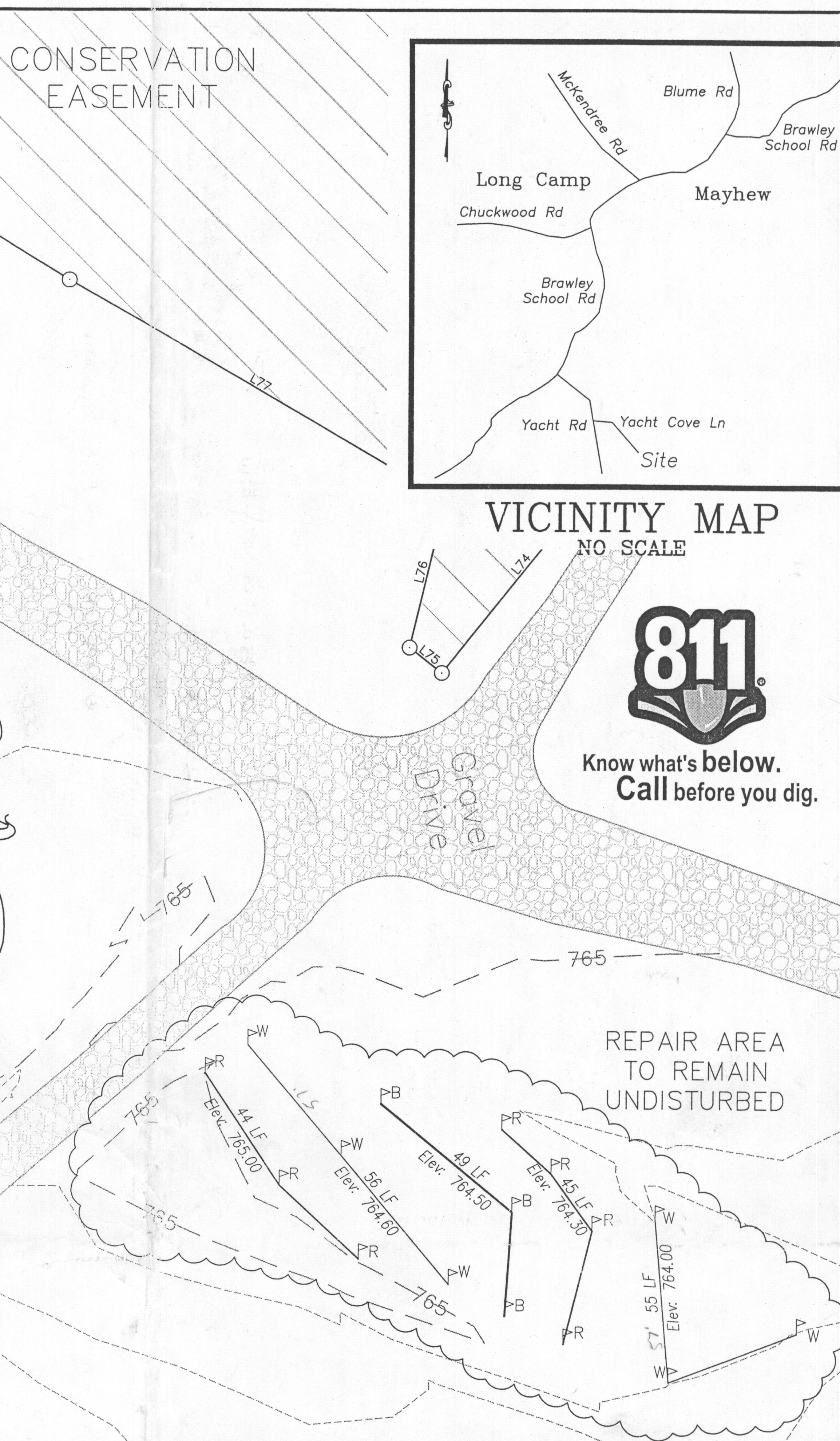




Zone A					
Line 1	Blue	43.33	LF	10.00	Panels
Line 2	Orange	60.00	LF	14.00	Panels
Line 3	Pink	40.00	LF	9.00	Panels
Line 4	White	52.00	LF	12.00	Panels
Line 5	Orange	60.00	LF	14.00	Panels
Line 6	Blue	74.00	LF	17.00	Panels
Line 7	Pink	52.00	LF	12.00	Panels
Line 8	White	52.00	LF	12.00	Panels
Line 9	Red	47.00	LF	11.00	Panels
		480.33	**LF**	**111.00**	**Panels**

Zone B					
Line 1	Pink	40.00	LF	9.00	Panels
Line 2	White	50.00	LF	12.00	Panels
Line 3	Orange	60.00	LF	14.00	Panels
Line 4	Blue	74.00	LF	17.00	Panels
Line 5	Pink	52.00	LF	12.00	Panels
Line 6	White	52.00	LF	12.00	Panels
Line 7	Red	47.00	LF	11.00	Panels
Line 8	Orange	52.00	LF	12.00	Panels
Line 9	Blue	37.50	LF	9.00	Panels
		464.50	**LF**	**108.00**	**Panels**

GENERAL NOTES:

1. NOTIFY UNDERGROUND UTILITIES LOCATOR PRIOR TO ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES AND SUBCONTRACTORS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS, ELEVATIONS, AND LOCATION OF ALL EXISTING CONDITIONS AND UTILITIES.
2. ALL PIPING SHALL BE SCH 40 PVC UNLESS OTHERWISE NOTED ON PLANS. ALL PVC PIPES SHALL BE BURIED A MINIMUM OF 3 FEET UNLESS SHOWN OTHERWISE.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SOIL EROSION AND SEDIMENTATION CONTROL REQUIREMENTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL CONSTRUCTION DAMAGE EXPEDITIOUSLY AND AT NO ADDITIONAL COST TO THE OWNER.
6. SEPTIC TANKS SHALL BE CONSTRUCTED WITH A BAFFLE WALL DIVIDING THE TANK INTERIOR 2/3rd TO 1/3rd. THE BAFFLE WALL SHALL BE CONSTRUCTED TO PERMIT PASSAGE OF EFFLUENT THROUGH A SLOT OR HOLES LOCATED BETWEEN 45 & 55 PERCENT OF THE INTERIOR DEPTH.
7. ALL TANKS SHALL HAVE A MINIMUM 28-DAY CONCRETE STRENGTH OF 4,500 PSI.
8. TANKS SHALL MEET REINFORCING REQUIREMENTS TO ACCOMMODATE 3,000 POUNDS PER SQ. FT. EITHER STEEL REINFORCING WIRE. REBAR OR APPROVED FIBER MAY BE USED.
9. ALL SERVICE ACCESS OPENINGS WILL BE A MINIMUM OF 24 INCHES.
10. ALL TANKS AND EFFLUENT FILTERS SHALL BE APPROVED BY ENGINEER AND ONSITE WATER PROTECTION SECTION. EFFLUENT FILTERS SHALL BE SIZED FOR DESIGN FLOW AND EXTEND DOWN TO 50-PERCENT OF LIQUID LEVEL.
11. ALL JOINTS (MID-SEAM, TOP-SEAM) SHALL BE SEALED USING CONCRETE SEALANTS BUTYL SEALANT # CS-102 MEETING ASTM C-990.
12. TANKS SHALL BE LEAK-TESTED PRIOR TO SYSTEM START UP BY APPLYING A VACUUM OF 5-INCHES OF MERCURY WITH RISER ASSEMBLIES IN PLACE OR A 24-HOUR STATIC WATER TEST IN ACCORDANCE WITH ASTM STANDARDS.
13. ALL PIPE PENETRATIONS THROUGH PRECAST CONCRETE TANKS SHALL BE PRESS-SEAL CAST-A-SEAL 402 RUBBER BOOTS AND GROUTED.
14. ALL TANK RISERS AND LIDS SHALL EXTEND A MINIMUM OF 6" ABOVE THE FINISHED GRADE.
15. ALL METAL INSTALLED IN TANKS SHALL BE STAINLESS STEEL.
16. ALL MANHOLES NOT INSTALLED NOT IN TRAFFIC AREAS SHALL HAVE BOLT DOWN LIDS. LIDS SHALL BE 6" MINIMUM ABOVE FINISHED GRADE.
17. CONTROL PANELS SHALL BE INSTALLED A MINIMUM OF 36 INCHES FROM FINISHED GRADE TO BOTTOM OF PANEL BOX. SEAL OFF ALL CONDUITS BETWEEN TANKS AND PANEL.

Location: PR-

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.

Owner: ____________ Approved: ____________ Date of Issue: ____________

PIEDMONT DESIGN
ENGINEERING/SURVEYING/PLANNING
Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone:(704) 664-7888 Fax:(704) 664-1778 www.pdapa.com
NCBELS License #: C-1007

PREPARED FOR:
LAKE NORMAN YACHT CLUB, INC.
PO BOX 4600
MOORESVILLE, NC 28117
704-799-7243

SEPTIC SYSTEM SITE PLAN
LAKE NORMAN YACHT CLUB BATH HOUSE
297 YACHT ROAD
MOORESVILLE, IREDELL COUNTY, NC

NORTH CAROLINA PROFESSIONAL SEAL 17327 ENGINEER

REVISIONS	BY

Date: 3/2/2014
Scale: 1" = 20' 1' CONTOURS
Drawn: DMD
Checked: DLM
Project: 2013-03-11
Job: 2013-03-11
Sheet U-1 of 2 Sheets