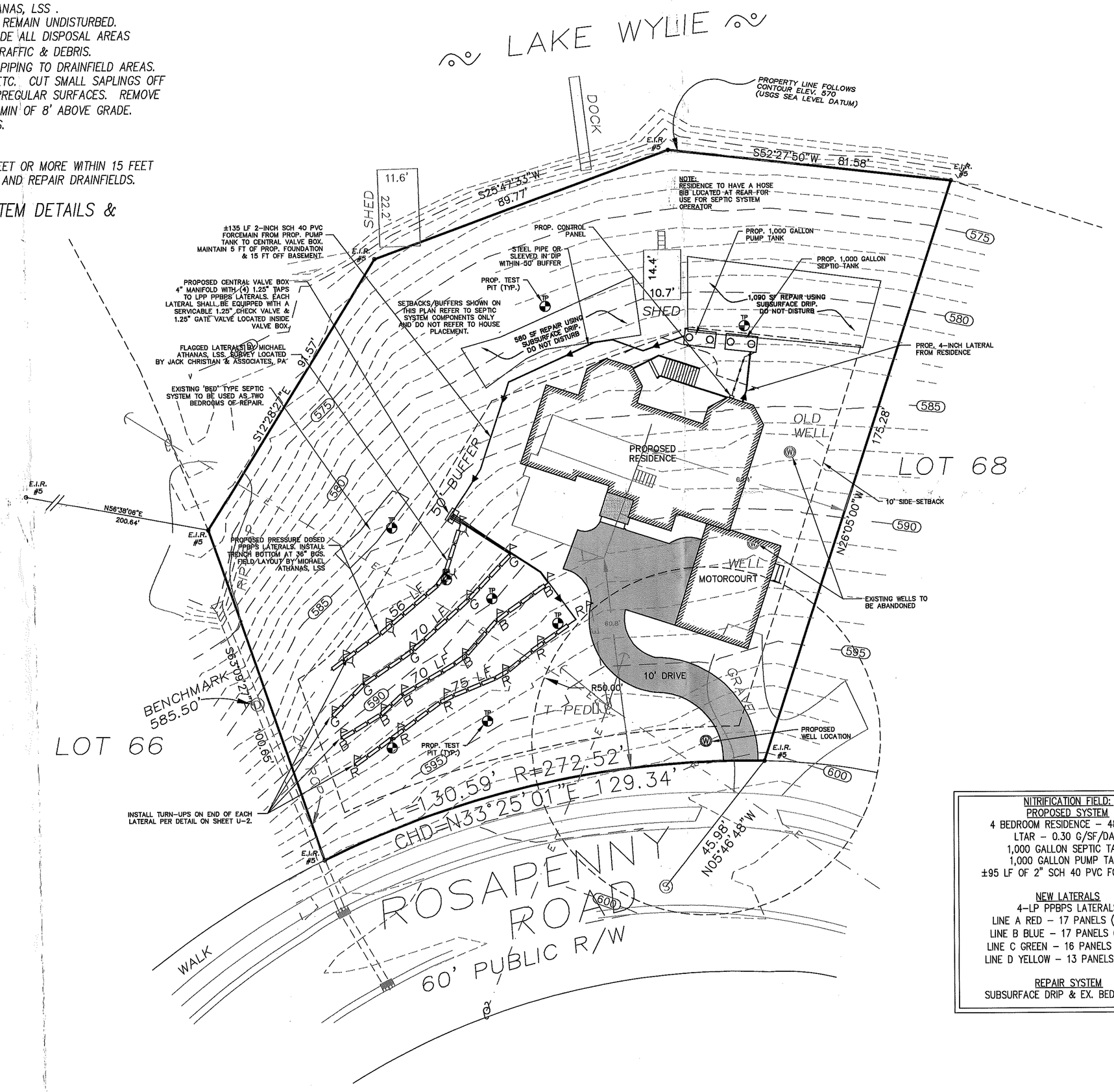
GENERAL NOTES:
- BOUNDARY AND SEPTIC FLAGGED LATERAL DATA PROVIDED BY JACK CHRISTIAN AND ASSOCIATES, PA
- SOILS REPORT PERFORMED BY MICHAEL ATHANAS, LSS .
- AREA IS AVAILABLE FOR REPAIR AND SHALL REMAIN UNDISTURBED.
- PRIOR TO ANY SITE CONSTRUCTION, BARRICADE ALL DISPOSAL AREAS (PRIMARY & REPAIR) FROM CONSTRUCTION TRAFFIC & DEBRIS.
- MAINTAIN 36" BURY DEPTH ON ALL SUPPLY PIPING TO DRAINFIELD AREAS.
- CLEAR DRAIN FIELD OF ALL DEBRIS, LIMBS, ETC. CUT SMALL SAPLINGS OFF AT GROUND. LIGHTLY HAND SMOOTH ANY IRREGULAR SURFACES. REMOVE LIMBS FROM REMAINING MAJOR TREES TO A MIN OF 8' ABOVE GRADE. GRASS ALL DISPOSAL AND DISTURBED AREAS.
- SEED ALL DISTURBED AREAS.
- OBSERVE ALL SETBACKS.
- THERE SHALL BE NO EARTHEN CUTS OF 2 FEET OR MORE WITHIN 15 FEET OF THE PROPOSED SEPTIC SYSTEM PRIMARY AND REPAIR DRAINFIELDS.

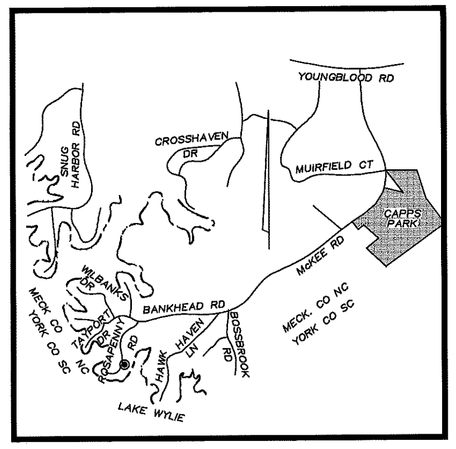
REFER TO SHEET U-2 FOR SYSTEM DETAILS & ELEVATIONS



NITRIFICATION FIELD:
PROPOSED SYSTEM
4 BEDROOM RESIDENCE - 480 GPD
LTAR - 0.30 G/SF/DAY
1,000 GALLON SEPTIC TANK
1,000 GALLON PUMP TANK
±95 LF OF 2" SCH 40 PVC FORCEMAIN

NEW LATERALS
4-LP PPBPS LATERALS
LINE A RED - 17 PANELS (75 LF)
LINE B BLUE - 17 PANELS (75 LF)
LINE C GREEN - 16 PANELS (70 LF)
LINE D YELLOW - 13 PANELS (56 LF)

REPAIR SYSTEM
SUBSURFACE DRIP & EX. BED SYSTEM



VICINITY MAP
NO SCALE

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 COMPLY WITH ALL APPLICABLE OSHA, SCDOT, AND OTHER RELATED SAFETY REQUIREMENTS.
5. 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 SHALL BE A MINIMUM OF 24 INCHES.
10. RISERS TO BE CAST IN PLACE AT TIME OF TANK CONSTRUCTION
11. ALL TANKS AND EFFLUENT FILTERS SHALL BE APPROVED BY ENGINEER & NC DHHS. EFFLUENT FILTERS SHALL BE SIZED FOR DESIGN FLOW AND EXTEND DOWN TO 50-PERCENT OF LIQUID LEVEL.
12. ALL JOINTS (MID-SEAM, TOP-SEAM) SHALL BE SEALED USING CONCRETE SEALANTS BUTYL SEALANT # CS-102 MEETING ASTM C-990.
13. 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.
14. ALL PIPE PENETRATIONS THROUGH PRECAST CONCRETE TANKS SHALL BE PRESS-SEAL CAST-A-SEAL 402 RUBBER BOOTS AND GROUTED.
15. ALL TANK RISERS AND LIDS SHALL EXTEND A MINIMUM OF 6" ABOVE THE FINISHED GRADE.
16. ALL METAL INSTALLED IN TANKS SHALL BE STAINLESS STEEL.
17. ALL MANHOLES NOT INSTALLED NOT IN TRAFFIC AREAS SHALL HAVE TAMPER RESISTANT BOLTS ON LIDS.
18. 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.
19. CONTRACTOR TO VERIFY EXISTING SITE POWER SUPPLY (VOLTAGE) BEFORE ORDERING PUMPS, CONTROLS, ETC.

811 Know what's below. Call before you dig.

GRAPHIC SCALE
20 0 10 20 40 60
(IN FEET)
1 inch = 20 ft.

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) 664-1700 www.pdapa.com
NCBELS License #: C-1703

PREPARED FOR:
JIMMY WELLS
4002 RAVEN ROCK COURT
CHARLOTTE, NC 28270
(704) 281-5844

SEPTIC SYSTEM SITE PLAN
4 BEDROOM RESIDENCE
18425 ROSAPENNY ROAD
MECKLENBURG COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17021 DAVID M. DEAL

REVISIONS	BY
A REV. PER CLIENT CHANGES (9/16/15)	DMD
B REV. PER COMMENTS BY MECK CO HD STAFF (11/4/15)	DMD

Date: 4/15/15
Scale: 1"=20 Ft
Drawn: DMD
Checked: DLM
Project: 2015-04-
Job: 2015-04-
Sheet U-1
B 11/4/15
of 2 Sheets

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

Location: Owner: Approved: Date of Issue: