IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 201434

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4624990401

APPLICANT: LAKE NORMAN YACHT CLUB APPLICANT ADDRESS: PO BOX 4600 MOORESVILLE NC 28117

SITE ADDRESS: 297 YACHT RD - MOORESVILLE, NC 28117 PHONE: ALT. PHONE: 704-799-7243

SITE DIRECTIONS: BRAWLEY SCHOOL - TL YACHT RD - TL YACHT CLUB

SUBDIVISION: — SECTION: — LOT # — LOT AREA: 25.630 DESIGN FLOW: 2300 L.T.A.R.: .3

Septic Tank 3000 (gal) STB 447 Date 9-15-14
Pump Tank 10,000 (gal) PT Date 9-12-14
Pump Make Goulds Model WE1012HU Serial # CEL4H14
Nitrification Fields 1 # Lines 18 Linear Ft: 464
Trench Width 24" Max. Trench Bottom Depth 36" Gravel Depth NA

☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: LPPPBPS
Repair System Description: SAME
Maintenance Agreement Required: ☐ YES ☐ NO
☐ GRAVITY ☑ PRESSURE

☐ Residence No. Bedrooms
☐ Business No. Persons
☑ Other No. Employees
☑ Slab ☐ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: FLOW EQUALIZATION - ADJUSTED FLOW - 1700 gpd
10 GALLONS PER PERSON - SEE ATTACHED EMAIL FROM STATE FOR QUESTIONS. Use Orenco MVP duplex

#230 PEOPLE INCLUDING STAFF @ 10 GALLONS PER DAY *
11/12/14 Vacuum tested PT & ST observed

INITIAL SITE SKETCH

Control panel, instead of Aquaworx. See Email Attached.

SEE PIEDMONT DESIGN'S PLAN.

S & ME's PLAN FOR SOILS WORK

* IREDELL COUNTY ADVISED DESIGNER TO ADJUST VALVE BOX TO TOP OF FIELD BUT DECLINED. IF CHECK VALVE MALFUNCTIONS SYSTEM MAY OVERLOAD AND SURFACE.

AS BUILT SKETCH

held pressure ~~MD~~

Checked 13 lines.
Drilled 5/32" hole
11/14/14 Checked 5 lines
11/19/14 Pressure Set ~~MD~~
1/12/15 PT Riser > 6" above grade
Box > 12" above grade
Sealed, alarm & pump on Separate Circuit breakers

*

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

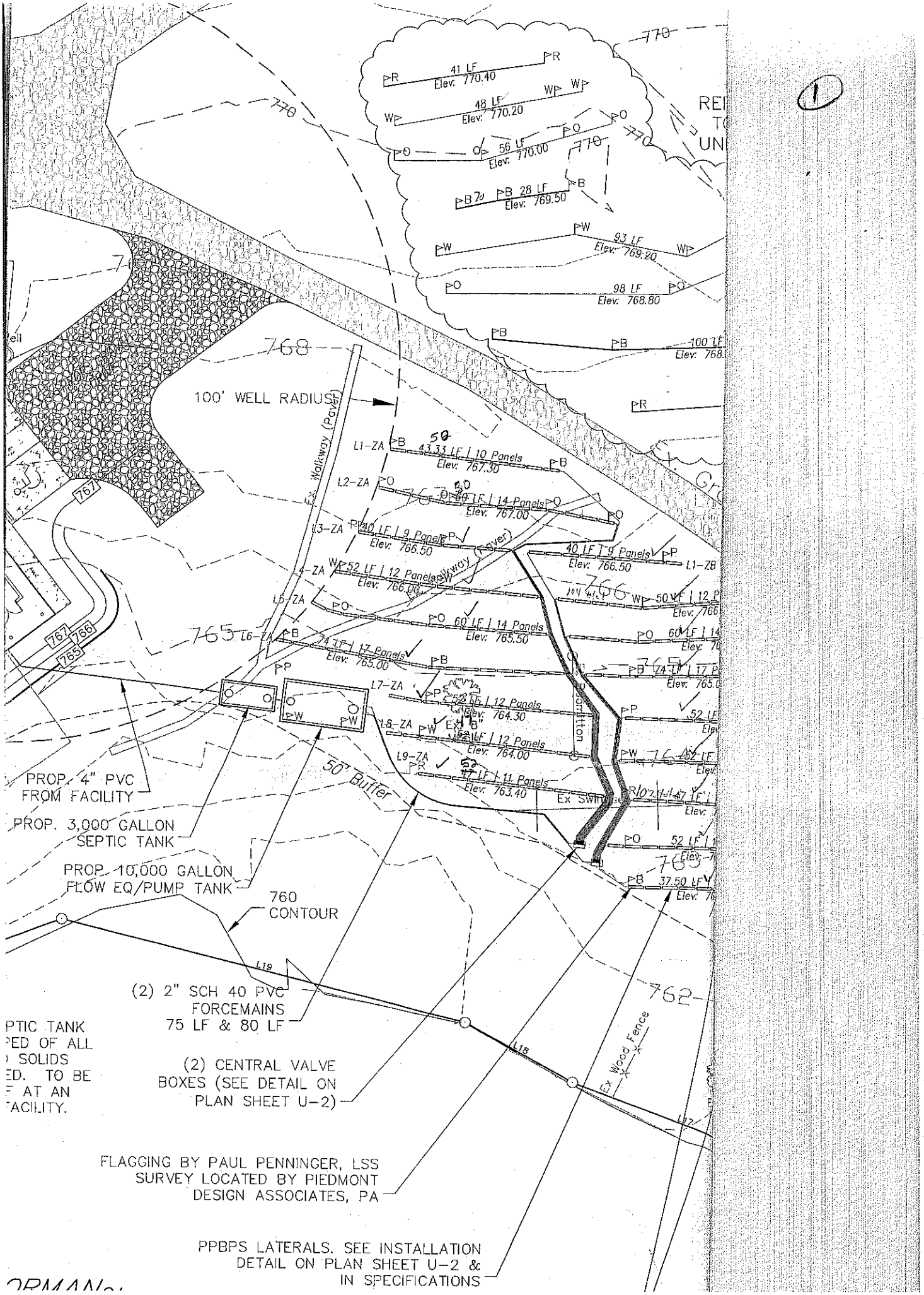
☐ IMPROVEMENT PERMIT *with plat* valid without expiration. ☐ IMPROVEMENT PERMIT *with site plan* valid for 60 mos. ☐ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

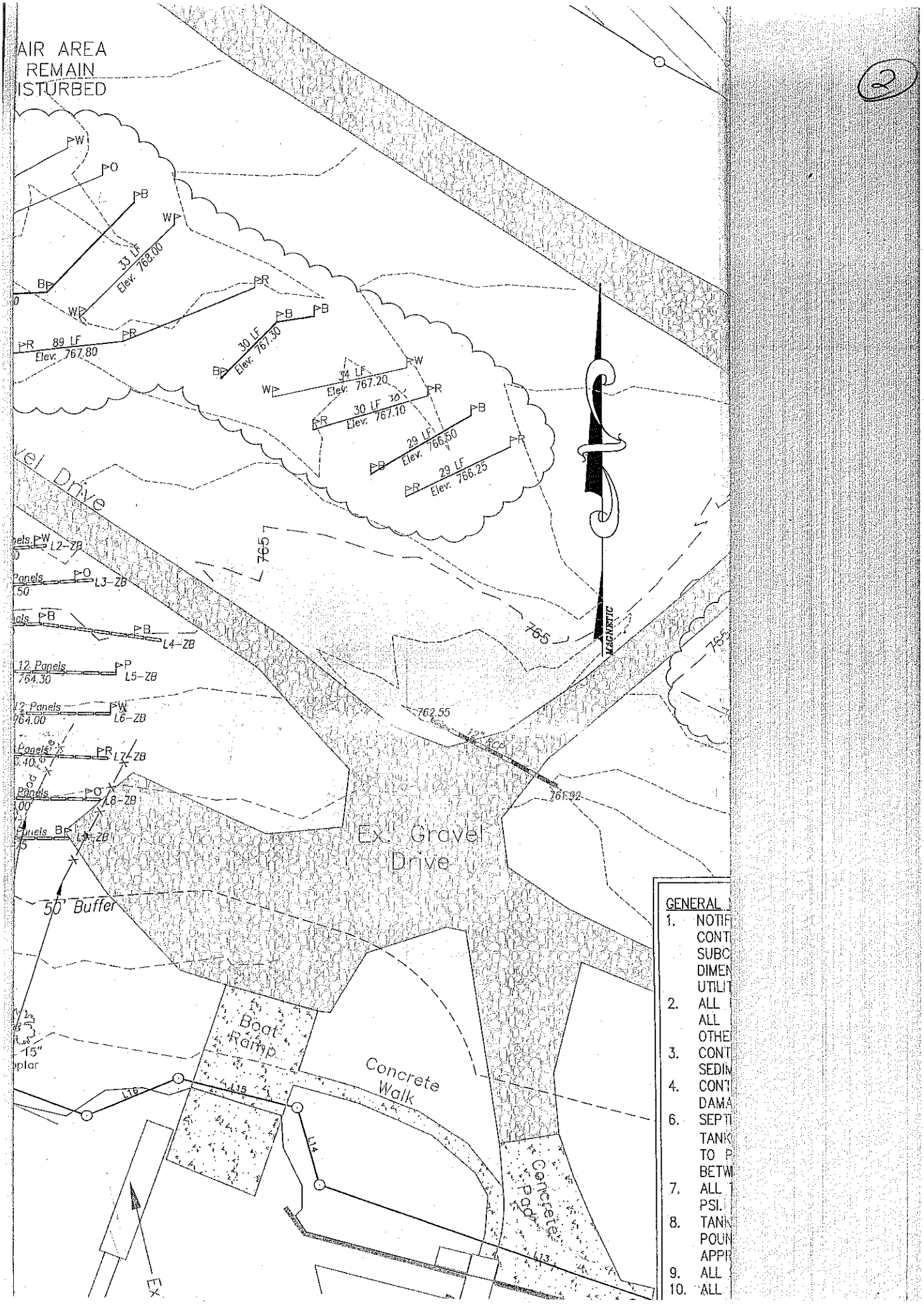
Owner / Applicant Signature: Date: 3/18/14 Installed by: Hallman Construction

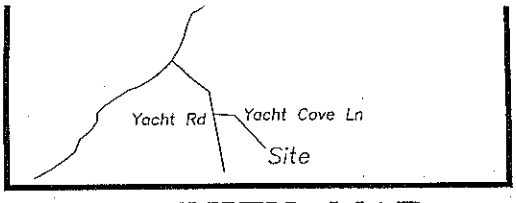
IMPROVEMENT PERMIT by: Date: 3/7/14 OPERATION PERMIT by: RS Date: 1/21/15

AUTHORIZATION TO CONSTRUCT by: Date: 3/7/14 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

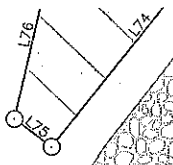

41 LF
Elev: 770.40
48 LF
Elev: 770.20
56 LF
Elev: 770.00
28 LF
Elev: 769.50
93 LF
Elev: 769.20
98 LF
Elev: 768.80
100 LF
Elev: 768.
100' WELL RADIUS
Walkway (Paver)
L1-ZA
43.33 LF | 10 Panels
Elev: 767.30
L2-ZA
60 LF | 14 Panels
Elev: 767.00
L3-ZA
40 LF | 9 Panels
Elev: 766.50
L4-ZA
52 LF | 12 Panels
Elev: 766.00
L5-ZA
60 LF | 14 Panels
Elev: 765.50
L6-ZA
74 LF | 17 Panels
Elev: 765.00
L7-ZA
52 LF | 12 Panels
Elev: 764.30
L8-ZA
52 LF | 12 Panels
Elev: 764.00
L9-ZA
47 LF | 11 Panels
Elev: 763.40
L1-ZB
50 LF | 12 P
Elev: 766
74 LF | 17 P
Elev: 765.0
52 LF
Elev:
37.50 LF
Elev: 76
Ex 6" Water Line
Ex Swimming Pool
Ex Pool Addition
50' Buffer
PROP. 4" PVC FROM FACILITY
PROP. 3,000 GALLON SEPTIC TANK
PROP. 10,000 GALLON FLOW EQ/PUMP TANK
760 CONTOUR
(2) 2" SCH 40 PVC FORCEMAINS 75 LF & 80 LF
(2) CENTRAL VALVE BOXES (SEE DETAIL ON PLAN SHEET U-2)
L19
L18
L17
Ex Wood Fence
FLAGGING BY PAUL PENNINGER, LSS
SURVEY LOCATED BY PIEDMONT DESIGN ASSOCIATES, PA
PPBPS LATERALS. SEE INSTALLATION DETAIL ON PLAN SHEET U-2 & IN SPECIFICATIONS
PTIC TANK
PED OF ALL
SOLIDS
ED. TO BE
F AT AN
FACILITY.
768
767
766
765
762
770


AIR AREA
REMAIN
ISTURBED
33 LF
Elev. 768.00
89 LF
Elev. 767.80
30 LF
Elev. 767.30
34 LF
Elev. 767.20
30 LF
Elev. 767.10
29 LF
Elev. 766.50
29 LF
Elev. 766.25
765
MAGNETIC
762.55
761.92
12" RCP
Ex. Gravel
Drive
50' Buffer
Boat
Ramp
Concrete
Walk
Concrete
Pad
L2-ZB
L3-ZB
L4-ZB
L5-ZB
L6-ZB
L7-ZB
L8-ZB
L9-ZB
12 Panels
764.30
12 Panels
764.00
L19
L15
L14
L13
Ex
GENERAL
1. NOTIF
CONT
SUBC
DIMEN
UTILIT
2. ALL
ALL
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3. CONT
SEDIM
4. CONT
DAMA
6. SEPTI
TANK
TO P
BETWI
7. ALL
PSI.
8. TANK
POUN
APPR
9. ALL
10. ALL

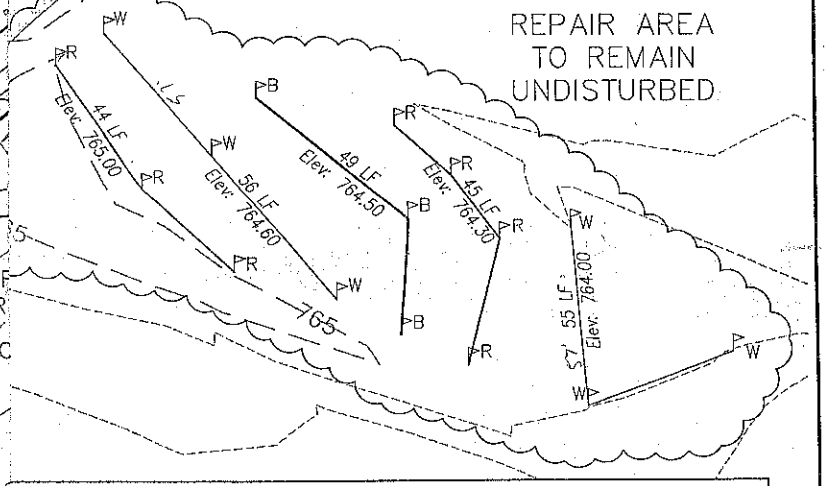


VICINITY MAP

NO SCALE



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



NOTES:

- Y UNDERGROUND UTILITIES LOCATOR PRIOR TO ANY EXCAVATION. RACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES AND ONTRACTORS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL ISIONS, ELEVATIONS, AND LOCATION OF ALL EXISTING CONDITIONS AND IES.
- IPING SHALL BE SCH 40 PVC UNLESS OTHERWISE NOTED ON PLANS. VC PIPES SHALL BE BURIED A MINIMUM OF 3 FEET UNLESS SHOWN RWISE.
- RACTOR SHALL COMPLY WITH ALL APPLICABLE SOIL EROSION AND ENTATION CONTROL REQUIREMENTS.
- RACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL CONSTRUCTION GE EXPEDITIOUSLY AND AT NO ADDITIONAL COST TO THE OWNER.
- C TANKS SHALL BE CONSTRUCTED WITH A BAFFLE WALL DIVIDING THE INTERIOR 2/3rd TO 1/3rd. THE BAFFLE WALL SHALL BE CONSTRUCTED ERMIT PASSAGE OF EFFLUENT THROUGH A SLOT OR HOLES LOCATED EEN 45 & 55 PERCENT OF THE INTERIOR DEPTH.
- ANKS SHALL HAVE A MINIMUM 28-DAY CONCRETE STRENGTH OF 4,500
- S SHALL MEET REINFORCING REQUIREMENTS TO ACCOMMODATE 3,000 DS PER SQ. FT. EITHER STEEL REINFORCING WIRE. REBAR OR OVED FIBER MAY BE USED.
- ERVICE ACCESS OPENINGS WILL BE A MINIMUM OF 24 INCHES.
- ANKS AND EFFLUENT FILTERS SHALL BE APPROVED BY ENGINEER AND E WATER PROTECTION SECTION. EFFLUENT FILTERS SHALL BE SIZED ESIGN FLOW AND EXTEND DOWN TO 50-PERCENT OF LIQUID LEVEL.
- JOINTS (MID-SEAM, TOP-SEAM) SHALL BE SEALED USING CONCRETE ANTS BUTYL SEALANT # CS-102 MEETING ASTM C-990.
- S SHALL BE LEAK-TESTED PRIOR TO SYSTEM START UP BY APPLYING

PIEDA ENGINEER As
Suite 101 Westfi
Mooresvi
Phone:(704) 664-7888
NCBE

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 ENGINEER SEAL 17327 DONALD E. MAY

REVISIONS	BY

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