

15832 LAKE RIDGE RD

21721229

6/27/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 72557A DATE: ~~6/25/98~~ 6/25/98

TC: 2172129 ☐ L ☐ CRT

SERIAL Nº 17596

Name of Owner Howard Virkler Juris.:

Address of Property 15832 Lake Ridge Rd

Inspection Data:

Tank Material

Total Length of Drainfield 400'

Number of Lines 4 @ 100'

Cover Depth

Water Supply Source EXISTING WELL - SUPPLY LINE INCASED TO MEET .1950

Distance to Water Source SUPPLY LINE APP. 45'

Excavation Inspected 11/~~18~~/98 by JR

Tank(s) Inspected EXISTING

Wash Line Inspected

High Water Alarm Inspected 6/25/98

NOTE TO FILE — SEE TONEY JACOBS'S PLAN FOR GNAC APPROVAL #8 FOR PRESSURE TESTING DO NOT RELEASE W/OUT TONEY JACOBS APPROVAL

PLOT

Design EXISTING TANKS, PUMP TO CONVENTIONAL 400' TONEY JACOBS PLAN CTR# RCS

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☐ installed or constructed ☐ altered or repaired

☒ in accordance with the permit issued ☐ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☒ Operation Permit

does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of I5A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: Type III - 3 bedroom Existing house

Joni INSPECTED SUPPLY LINE FROM HOUSE TO DRAINFIELD.

John E Liggio, R.S.
Environmental Health Specialist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

GRAVITY DISTRIBUTION CONVENTIONAL SYSTEM

PUMPED TO OFF-SITE EASEMENT

FOR

15832 LAKE RIDGE ROAD (LOT 28)

MECKLENBURG COUNTY, NORTH CAROLINA

MCHD FILE NO. 7255A TAX ID NO. 217-212-29

by

Toney C. Jacobs & Associates, Inc.
Consulting Soil Scientists
168 Broadbill Drive
Mooresville, N.C. 28115

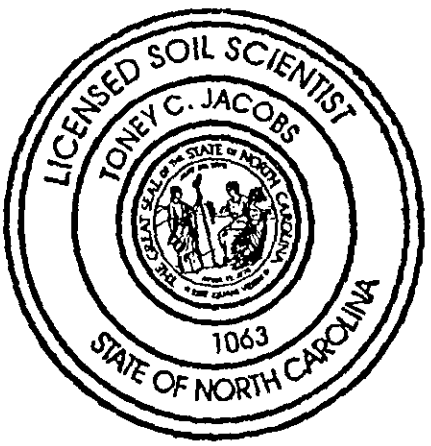
November 6, 1997



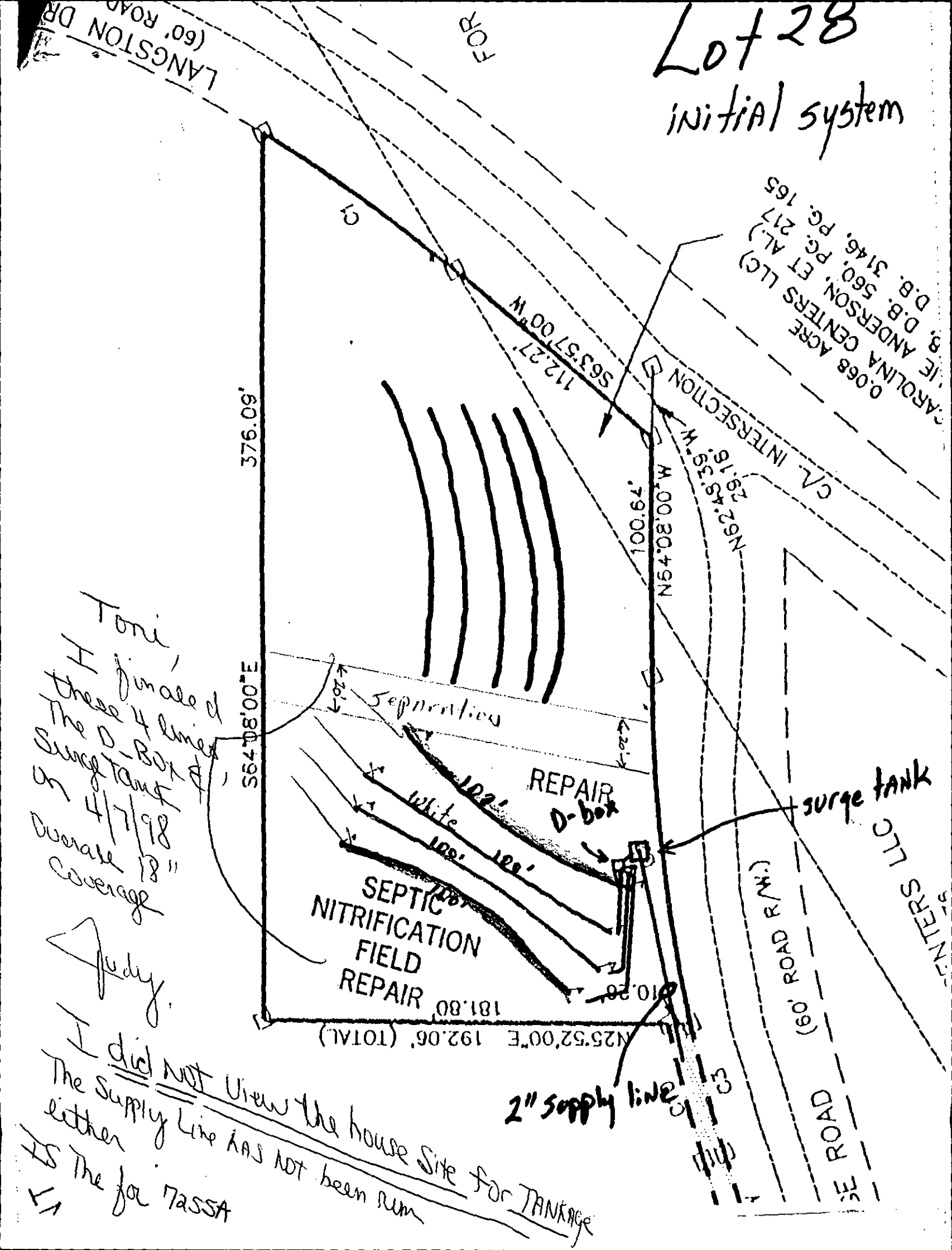
Toni
I funded some portions
of those systems.
Cathy/RS called
for finals —
Gave file #
& couldn't locate
installation layout —
Judy

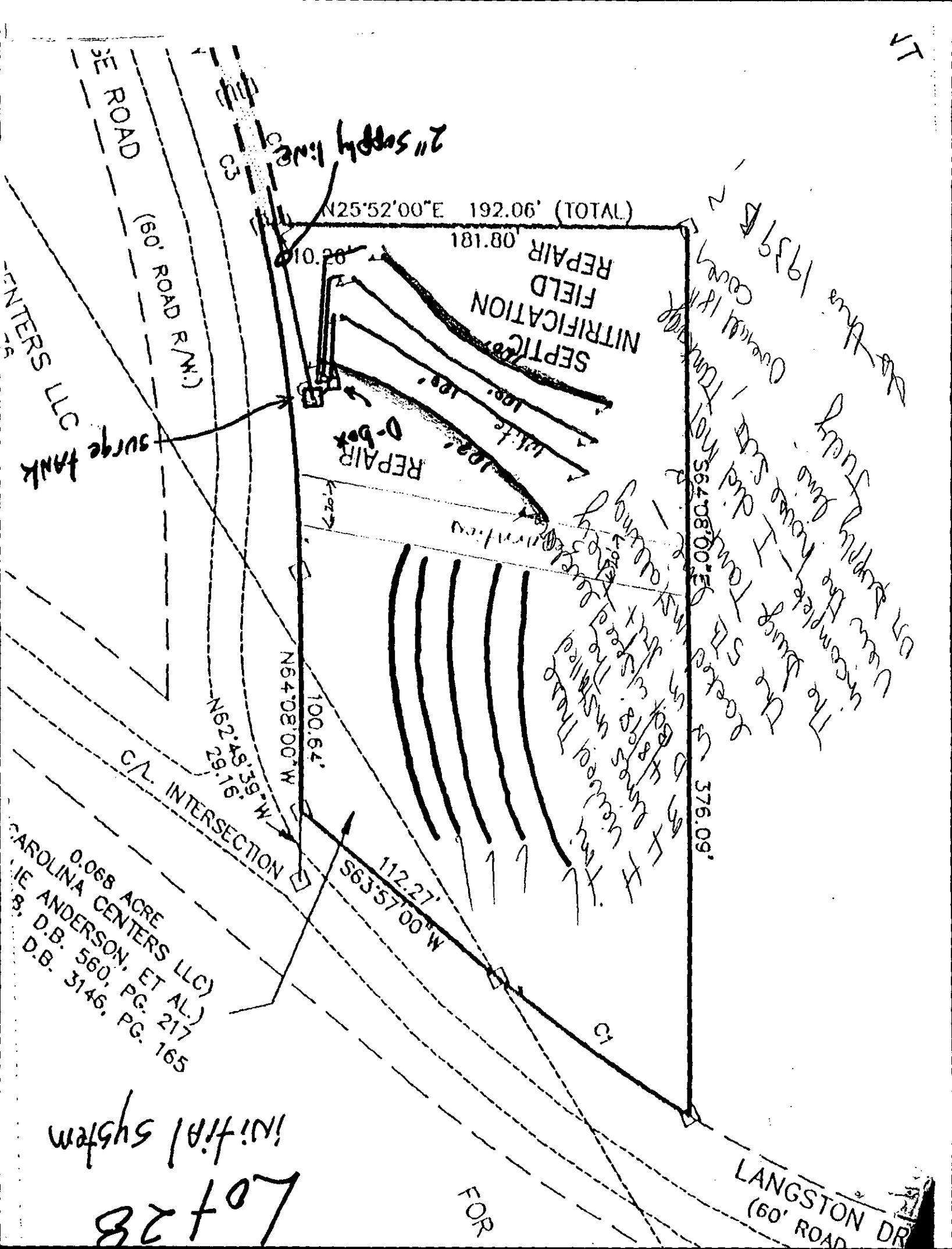
To: Ms. Toni Bunney, R.S.
Mecklenburg County Health Dept.
Charlotte, NC

Mr. Howard Virkler
12345 Steele Creek Rd.
Charlotte, N. C.



Toney C. Jacobs, CPSS


Lot 28
initial system
LANGSTON DR
(60' ROAD
FOR
0.068 ACRE
CAROLINA CENTERS LLC)
ANDERSON ET AL.)
D.B. D.B. 560, PG. 217
D.B. 3146, PG. 165
C
S63°57'00"W
112.27'
CL INTERSECTION
N62°49'39"W
29.18'
N54°08'49"W
100.67'
376.09'
S64°08'00"E
20'
Separation
40'
REPAIR
D-box
122'
White
122'
122'
SEPTIC
NITRIFICATION
FIELD
REPAIR
181.80'
10.26'
surge tank
CENTERS LLC
(60' ROAD R/W)
ROAD
N25°52'00"E 192.06' (TOTAL)
2" supply line
C
Toni,
I made 4 lines
these 4 lines
the D-Box &
surge tank
on 4/7/18
Overall 18"
Coverage
Judy,
I did Not View the house Site for TANKage
The Supply Line has not been run
either
to The for 7a55A


E ROAD (60' ROAD R/W.)
C3
N25°52'00"E 192.06' (TOTAL)
181.80'
10.26'
SEPTIC
NITRIFICATION
FIELD
REPAIR
REPAIR
N64°08'00"W 100.64'
N62°48'39"W 29.16'
C/L INTERSECTION
112.27'
S63°57'00"W
S64°08'00"E 376.09'
C1
0.068 ACRE
CAROLINA CENTERS LLC)
IE ANDERSON, ET AL.)
D.B. 560, PG. 217
D.B. 3146, PG. 165
LANGSTON DR
(60' ROAD
FOR

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 7255A DATE: 3/2/98

TC: 217-212-29 ☐ L

SERIAL Nº 17659

Permission is hereby given to ✓ Install or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 2/9/98. All work shall be completed on or before 3/2/98, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

PLOT OF SYSTEM

Liquid Capacity of Septic Tank EXISTING gallons

Liquid Capacity of Dosing Tank EXISTING gallons

Tank Construction _____

Trench Depth 24"-36"

Absorption and/or Nitrification Lines:

Trench Width 36 feet

Trench Walls Scored and Porous yes

Total Line Length _____ feet

Number of Lines 4

Depth of Stone 12 inches

Distance from House 5 feet

Distance from Property Line 10 5 feet

Distance from Well _____ feet

SYSTEM & PUMP TANK = 50'
SUPPLY LINE = 40'

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER Howard Virkler

LOCATION OF PROPERTY 15832 Lake Ridge Rd

Comments: Install according to plan design

Joni E Higgins, R.S.
Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

GRAVITY DISTRIBUTION CONVENTIONAL SYSTEM

PUMPED TO OFF-SITE EASEMENT

FOR

15832 LAKE RIDGE ROAD (LOT 28)

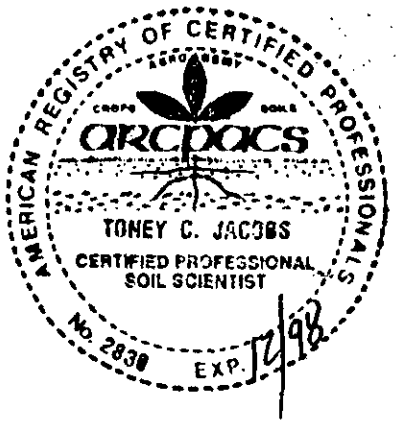
MECKLENBURG COUNTY, NORTH CAROLINA

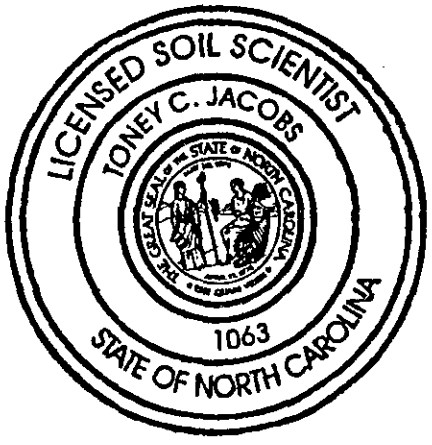
MCHD FILE NO. 7255A TAX ID NO. 217-212-29

by

Toney C. Jacobs & Associates, Inc.
Consulting Soil Scientists
168 Broadbill Drive
Mooresville, N.C. 28115

November 6, 1997





To: Ms. Toni Bunney, R.S.
Mecklenburg County Health Dept.
Charlotte, NC

Mr. Howard Virkler
12345 Steele Creek Rd.
Charlotte, N. C.

Toney C. Jacobs, CPSS

15832 Lake Ridge Rd - Lot 28

GRAVITY DISTRIBUTION CONVENTIONAL SYSTEM

Design Considerations

The proposed system is for an existing 3-bedroom waterfront home on an approximate ½-acre lot in a rural area of single family homes in southern Mecklenburg County. This house has been in place for many years and has had at least one repair on part of the adjoining lot. Because of a new home on the adjoining lot that required off-site easement, Mr. Howard Virkler has secured an easement large enough to rework this septic system off-site also. The pipe runs are both in the same trench under the same ownership and will be the Virkler, heirs, or assigns maintenance responsibility. To my knowledge this system is not in any state of failure at this time and this is completely a voluntary upgrade. Available septic on the lot was minimal with the existing house, carports, and parking pads. Because of the new house construction all of the permitting and septic construction for lots 27 and 28 will be done at the same time. It is suggested that both plans be considered as one unit. This provisionally suitable off-site area is approximately 1050' up the street from the lot and was the closest provisionally suitable septic area. The property was recorded prior to January 1983; however, because of the added septic the 100% repair area is now required and shown in this plan. This plan is for the drainfield, riser, and pump with existing tanks being used.

Soils were evaluated by both Mr. Bill Marlin of the Mecklenburg County Health Department and Toney C. Jacobs & Associates. The system layout was by Toney C. Jacobs & Associates. The site was sufficiently sized to accommodate a conventional gravel trench system with gravel or chamber repair should such be needed. It is planned that a second Improvements Permit will be requested for a part of this parcel and greater than 20' away to serve a new home on lot 27, also owned by Mr. Virkler. This request will be concurrent with this permit. The lot, easement, septic easement, and septic system drainfield were flagged in the field as shown in Figure 1. The system will be pumped to a surge tank, gravity to d-box, and conventional system, using 4 x 100' lines. During construction and tree removal precautions should be taken to prevent damaging the system area. System location was chosen to give a wide aerial window (≈100') and to disturb as few specimen trees as possible. There will be a few larger trees to remove. The pump supply line is on an easement supplied by CRI and not DOT right-of-way. Supply pipe will have > 36" of cover and be schedule 80 leakproof PVC while in the road section

near the lake, and one off-site well and schedule 40 PVC in the woods run. Setbacks to the lake and well are observed for leakproof pipe. The pipes must be pressure tested to specifications included with this plan.

Location

The lot is on the left of Lake Ridge Road (a gravel path) one lot from the end. The system will be on Lake Ridge and Langston Roads where they intersect.

Reference

Laws and Rules for Ground Absorption Sewage Disposal Systems 15A NCAC 18A. .1900, NCDEHNR-DEH.

Recommendation

Four hundred (400) lineal feet of dosed conventional lines using gravity distribution.

Ownership Responsibility

Conservation measures should be undertaken in replacing plumbing fixtures to minimize the volume of wastewater entering the disposal system, including, but not limited to the following precautions:

(a) Provide water conserving plumbing fixtures as old ones are replaced with new. Waterclosets must be 1.6 gal. flush (per code). Showerhead should also have restrictions or be of low volume design.

(b) Develop conservative water use habits.

(c) Monitor and maintain the system as necessary for proper operation

System must be properly installed by a *qualified* and *competent* contractor following the requirements of the Mecklenburg County Department of Environmental Health, DEH, the N.C. Building Code, Plumbing Code, and the Electrical Code. This plan, as any, is a guide to a minimum standard, but cannot take the place of experience and common sense.

Components of System

1. Existing septic tank
2. Existing pump tank
3. Supply pipe (both Sch 40 and Sch 80 PVC)
4. Minimum 50 gal concrete surge tank
5. Speed lever box
6. 400' of conventional lines

Construction Sequence

1. Lines have been flagged as noted on drawing and in specifications.

2. Clear the area of all organic material with minimum soil disturbance (do not grade). Backfill any low areas with clean sandy loam to natural compaction and look. This includes stump holes.

3. Install trenches to approximately 36" trench bottom to DEH specifications.

4. Carefully backfill distribution trenches to grade with clean clay or clay loam soil fill material which is carefully placed and compacted.

5. The installation contractor shall stabilize the area of construction by planting with Kentucky 31 tall Fescue and mulching. Area to be limed and fertilized with 0.5 tons lime, 75 units of N, 150 units P, and 100 units of K per disturbed acre.

6. Final Landscaping: After the system is installed, the absorption field should be reshaped to shed rainwater and be free of low areas to insure that the system will not be overloaded with excess rainwater and run-on.

7. The septic tank shall consist of existing tank

8. The dosing (pump) tank shall consist of existing tank. Provide access for entry into the tank directly over the pump location, and extending 6". Use a 30" diameter concrete well casing or equivalent and concrete well cap or other approved securable type cover. There must be a seal (masonry or seal rope) between well tile and top of tank.

9. The supply pipe both under and adjacent to the street shall have a metal locator tape or wire should it have to be located. Where the pipe crosses under or parallel to the street it must have a minimum 36" of cover.

10. All piping and fitting shall be SCH 40 PVC, except near or on road ROW where it will be SCH 80 PVC. Glue for all PVC pipe joints shall be as recommended by the pipe manufacturer. Verify all glue quality before beginning. Old or incorrect glue will not meet pressure test.

11. Pump: The submerged pump shall be Model 4186 FlowMaster, non-automatic manufactured by Zoeller Pump Co. or equal, 230 v/l phase; capable of pumping 35 gallons per minute at 80.6' of head.

12. Pump controls and alarm to meet specifications of .1952, all being compatible.

13. A "Warning Sign" shall be located within the house to inform the occupants of action to take in case the "High Water Alarm" is activated. This sign shall contain the name,

address, telephone number, and emergency telephone number of the person to contact upon malfunction of the system.

14. Pump and Controls: Details of pump installation are shown in the plan. The pump must be placed on concrete blocks on the bottom of the tank. This prevents the pumping of any solid particles which can clog the pipe system. A piece of nylon rope or other non-corrodible material should be attached to the pump and the outlet pipe for lifting the pump in and out of the chamber. Controls should be fastened to a "tree" or the outlet pipe with clamps or brackets supplied by the manufacturer. The lower level control or "pump-off" must be positioned above the pump, so that the pump remains submerged at all times. The level control "pump-on" is positioned to pump a specified volume of effluent. The high water control float is then mounted about 3" above the upper pump-on control. (Note: Care must be taken to insure that floats do not become fouled by other components in the tank, such as the electric power cord or the lifting rope. It is highly recommended that a telescoping "tree" be used for floats to facilitate adjustments.) The pump outlet pipe should be connected to the supply manifold with a threaded PVC union (or dresser coupling) to allow quick removal.

15. Electrical Connections: The pump and high water alarm must be placed on separate electrical circuits. (If the pump circuit fails, the alarm must still be able to operate). Follow the manufacturer recommendations for the proper fuses or circuit breakers. All electrical connections must be made outside the pumping chamber. Power cords from the pumps and controls should be plugged into a NEMA 4X approved outdoor receptacle. This must not be located inside the pumping chamber due to the corrosive and explosive gasses that may form from the sewage. This box must be a minimum of 1' above finished grade. A control box may be mounted on the side of the house, but if this is used a longer pump cord must be ordered with the pump. Some level control switches have a box built into the housing, but are more expensive than the plug-in devices. Wiring between the pumping chamber and the station must meet State and local code requirements. A lightning arrester is recommended to protect the pump and controls from electrical surges.

16. Proper Operation Check: After all components have been installed and connected, the system should be checked for proper operation. With electrical power turned off, fill the pumping chamber with water from garden hose until the liquid rises to the level of the high-water alarm float. Turn on the electrical power. The alarm light should go on in the

house, and the pump should start operating. The alarm light should go off when the liquid reaches the lowest float control. Be sure the pump is still completely submerged.

17. With someone at the surge tank, turn pump on and set gate valve at surge tank to deliver 10-15 gpm. Because of distance to field, radio or telephone communications will be required to set this value.

Concluding Note:

This plan was done to facilitate permitting by the Mecklenburg County Health Department by an agent of the owner. Any additions, or additional requirement(s), or deletions to enhance design or workability which will facilitate a permit are welcomed and may be made by note on this plan without returning entire design. The designer realizes that a plan with as many details as this can be changed and/or improved upon. The installer must realize that this is an exact plan and must be followed and installed with exacting measurements. Should the installer desire a change, it must be approved by the health department in writing. Final inspection will also require more time and detail than a conventional system. As pressure checks or other inspections are required, they will be billed to owner or agent at the current hourly rate. If there are questions, please give me a call.

Design Specifications
15832 Lake Ridge Road – Lot 28

Daily design flow:	360gpd.
Septic tank size:	existing
Pumping tank size:	existing
Effluent loading rate:	0.3gpd/sf initial system repair the same
Total length and diameter of supply line:	app. 1200 lf-2" 40 PVC
Number and length of laterals:	4 @ 100' long
Speed lever control:	4 required
Flow rate through the system:	approx. 15 gpm
Elevation head:	45.0'
Pressure head:	3.0'
Friction head:	18.5'
15% contingency	13.3'
Total head:	79.8'
Pump requirements:	30 gpm at 79.8' of head; use Zoeller 4186 1½hp pump or equivalent with compatible electrical
Dosing volume:	180 gal. - 2.0 doses/day at design flow
Depth of water pumped per dose:	calculated to specific tank by measure or dealer engineering specifications(1 cubic ft. of water equals 7.48 gals.)
Pump run per dose:	approx. 12.0 min. (run time control of dose)
Check valve:	Yes – pipe volume replaced at approx. each dose 16.24 x 12 = 195 gal.
Siphon break hole:	No
Alarm and electrical:	mounted on post as detailed or side of house as single box with both light and horn alarm. All to be NEMA 4X.

Lot 28

initial system

LANGSTON DRIVE
(60' ROAD R/W)

FOR SC

C1

S63°57'00"W
112.27'

C2 INTERSECTION

N62°43'39"W
29.16'

N64°08'00"W
100.64'

S64°08'00"E
376.09'

CAROLINA ANDERSON, ET AL.)
0.068 ACRE
CENTERS LLC)
D.B. 560, PG. 217
D.B. 3146, PG. 165

Separation

REPAIR
D-box

surge tank

100'
100'
100'
100'

SEPTIC
NITRIFICATION
FIELD
REPAIR

10.20'

181.80'

N25°52'00"E 192.06' (TOTAL)

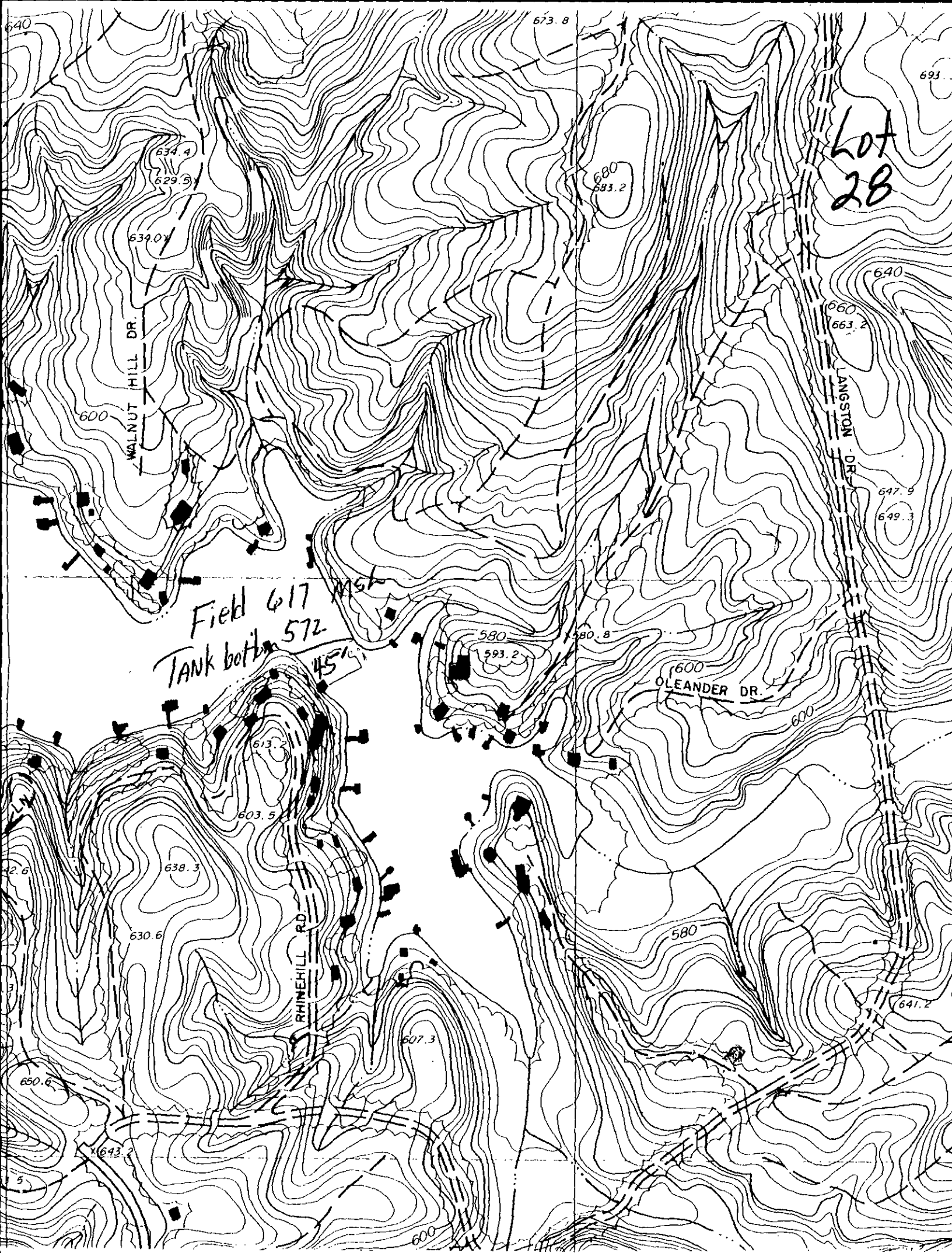
2" supply line

C3

(60' ROAD R/W)

CENTERS LLC

ROAD


Lot 28
Field 617 MSL
TANK bottom 572
WALNUT HILL DR.
RHINEHILL RD.
OLEANDER DR.
LANGSTON DR.
640
673.8
693
634.4
629.3
639.0
680
683.2
640
660
663.2
600
647.9
649.3
580
580.8
593.2
600
600
613.2
603.5
638.3
630.6
580
641.2
607.3
650.6
643.2
600

LAKE RIDGE R

to field

S 14° 34' 00" E
19.12'

S 00° 06' 00" W
46.19'

S 11° 24' 00" W
36.23'

S 05° 04' 00" W
34.15'

N 69° 49' 00" W
48.80'

S 46° 43' 00" E
87.37'

S 80° 18' 20" E
72.70'

N 73° 48' 00" E
68.67'

N 45° 48' 00" E
27.58'

N 15° 37' 00"
94.6

≈ existing pump house

S19° 48' 08" E
44.61'

S19° 48' 08" E
70.00'

2" sch 80 PVC

109°30'37"

S 88° 53' 58" E
41'-11 5/8"

23'-9 1/2"

6'-0"

42'-5"

40'-1 1/2"

14'-8 1/2"

7'-0"

37'-10 1/2"

43'-1

S 14°-7 1/2"

S 69° 49' 00" W
144.74'

21'-10 3/

OLD LINE

S 54° 08' 53" E
154.77'

PROPOSED LINE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	655.89'	104.04'	52.13'	103.93'	S59°24'20"W	09°05'20"
C2	657.12'	150.08'	75.37'	149.75'	N70°40'34"W	13°05'08"
C3	657.12'	57.70'	28.87'	57.68'	N79°44'04"W	05°01'52"
C4	176.15'	192.05'	106.82'	182.68'	N51°01'00"W	62°28'00"
C5	70.00'	58.87'	31.30'	57.15'	N04°18'34"E	48°11'09"
C6	50.00'	152.76'	1156.27'	99.91'	N59°07'17"W	175°02'52"
C7	60.00'	165.09'	303.74'	117.73'	S50°25'24"E	157°39'05"
C8	60.00'	50.46'	26.83'	48.99'	S04°18'34"W	48°11'09"
C9	166.15'	181.14'	100.76'	172.31'	S51°01'00"E	62°28'00"
C10	667.12'	60.90'	30.47'	60.88'	S79°38'05"E	05°13'51"

HOWARD E. VIRKLER
D.B. 8537, PG. 973
REC. LOT 28
SECTION 42
P.B. 17, PG. 503
REF. DWG. L.W. 42C

HOWARD E. VIRKLER
& WIFE,
SUSAN I. VIRKLER
D.B. 6501, PG. 722
REC. LOT 27
SECTION 42
P.B. 17, PG. 503
REF. DWG. L.W. 42C

DOUGLAS K. HILL
& WIFE,
DEBRA P. HILL
D.B. 4108, PG. 0006
REC. LOT 26
SECTION 42
P.B. 17, PG. 503
REF. DWG. L.W. 42C

Wm. C. PARLIER
& WIFE,
N. C. PARLIER
D.B. 4012, PG. 639
REC. LOT 25
SECTION 42
P.B. 17, PG. 503
REF. DWG. L.W. 42C

CRESCENT
RESOURCES, INC.
(Wm. BOYD)
CAT-69, D.B. 553, PG. 10
CAT-490, D.B. 3146, PG. 165
REC. LOT 25A
SECTION 42
P.B. 17, PG. 503
REF. DWG. L.W. 42C

DUKE ENERGY CORPORATION
(WYLIE PROJECT)
(Wm. BOYD)
CAT-69, D.B. 553, PG. 10

DUKE ENERGY CORPORATION
(WYLIE PROJECT)
(Wm. BOYD)
CAT-69, D.B. 553, PG. 10

CAROLINAS CENTERS LLC
P.B. 25, PG. 276
D.B. 7606, PG. 475
CAT. DWG. 638
REQUEST: 31843
(Wm. BOYD)
CAT-69, D.B. 553, PG. 10
CAT-490, D.B. 3146, PG. 165

CAROLINAS CENTERS LLC
P.B. 25, PG. 276
D.B. 7606, PG. 475
CAT. DWG. 638
REQUEST: 31843
(Wm. BOYD)
CAT-69, D.B. 553, PG. 10
CAT-490, D.B. 3146, PG. 165

CAROLINAS CENTERS LLC
P.B. 25, PG. 276
D.B. 7606, PG. 475
CAT. DWG. 638
REQUEST: 31843
(SALLIE ANDERSON, ET AL.)
CAT-48, D.B. 560, PG. 217
CAT-490, D.B. 3146, PG. 165

1.222 ACRES
(CAROLINA CENTERS LLC)
(Wm. BOYD)
CAT-69, D.B. 553, PG. 10
CAT-490, D.B. 3146, PG. 165

0.068 ACRE
(CAROLINA CENTERS LLC)
(SALLIE ANDERSON, ET AL.)
CAT-48, D.B. 560, PG. 217
CAT-490, D.B. 3146, PG. 165

N69°48'00"W 38.14'
BENT
S19°47'00"E 104.19'
N86°24'45"E 31.24'
N19°47'00"W 10.41'
1/2"I.PIPE(F)
N86°24'45"E 234.84'
S86°24'45"W 20.83'
145.80'
N19°47'00"W
S19°47'00"E
586.90'
379.92'
N19°47'00"W (BASE BEARING)
519.69' (TOTAL)
195.28'
10'
EXISTING 30' ROAD R/W. LIMIT
0.58' E. P/L
P/L FOLLOWS ROAD R/W. LIMIT
178.61'
AREA WITHIN 10' SEWER LINE EASEMENT
= 0.236 ACRES (10,287 SQ.FT.)
S19°47'00"E 63.58'
N19°47'00"W 63.58'
10' SEWER EASEMENT
60'
EXISTING 60' ROAD R/W. LIMIT
95.86'
S82°15'00"E
N82°15'00"W 95.86'
N25°52'00"E 182.06' (TOTAL)
181.80'
10.26'
S64°08'00"E 376.09'
AREA =
1.290 ACRES
TAX ID: 217-166-01
LAKE RIDGE ROAD (60' ROAD R/W.)
P/L FOLLOWS ROAD R/W. LIMIT
LANGSTON DRIVE (60' ROAD R/W.)
TO CLUB ROAD & N.C. HWY. 49
N64°08'00"W 100.64'
S63°57'00"W 112.27'
N62°48'39"W 29.16'
C/L INTERSECTION

PLAT NORTH
P.B. 17, PG. 503
DATED: 3-1-97

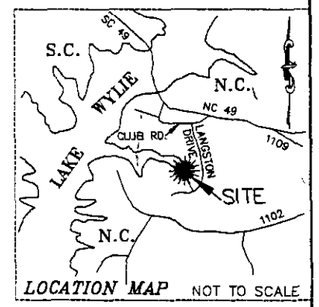
STATE OF NORTH CAROLINA
MECKLENBURG COUNTY

I certify that this map was drawn from an actual survey made under my supervision.
The unadjusted error of closure as calculated is 1': 10,000+
Boundaries not surveyed, if any, are noted. Deed descriptions are recorded in Book AS SHOWN, Page _____.

Witness my hand and seal this 7th day of NOVEMBER, 1997.

James R. Hobbs
Registered Land Surveyor
L-3703

NORTH CAROLINA REGISTERED SEAL L-3703 LAND SURVEYOR JAMES R. HOBBS



LOCATION MAP NOT TO SCALE

CRESCENT RESOURCES
INC.
P.O. BOX 1003
CHARLOTTE, N.C. 28201-1003

SURVEY & MAP PREPARED BY:
DUKE ENERGY CORPORATION
P.O. BOX 1244
CHARLOTTE N.C. 28201-1244
TELEPHONE: (704)382-6662

PROJECT:	7999
PARCEL:	58869
REQUEST:	96784
CRI ID. #	106100
E.C. = 1' :	10,000'+
3100 L.F.,	TIES 927'
DRAWN BY:	DLH
CREW:	B. HOBBS
DATE:	10-9-97
CHK BY:	JRH

LEGEND
LINES SURVEYED
LINES NOT SURVEYED
TIE LINES
OVHD DISTRIBUTION LINE (OVERHEAD)
#4 REBAR(S) PK(S)
#4 REBAR(F) PK(F)
#6 REBAR(S) CON. MON.(F)
#6 REBAR(F) CON. MON.(S)
RETAIL POWER POLE

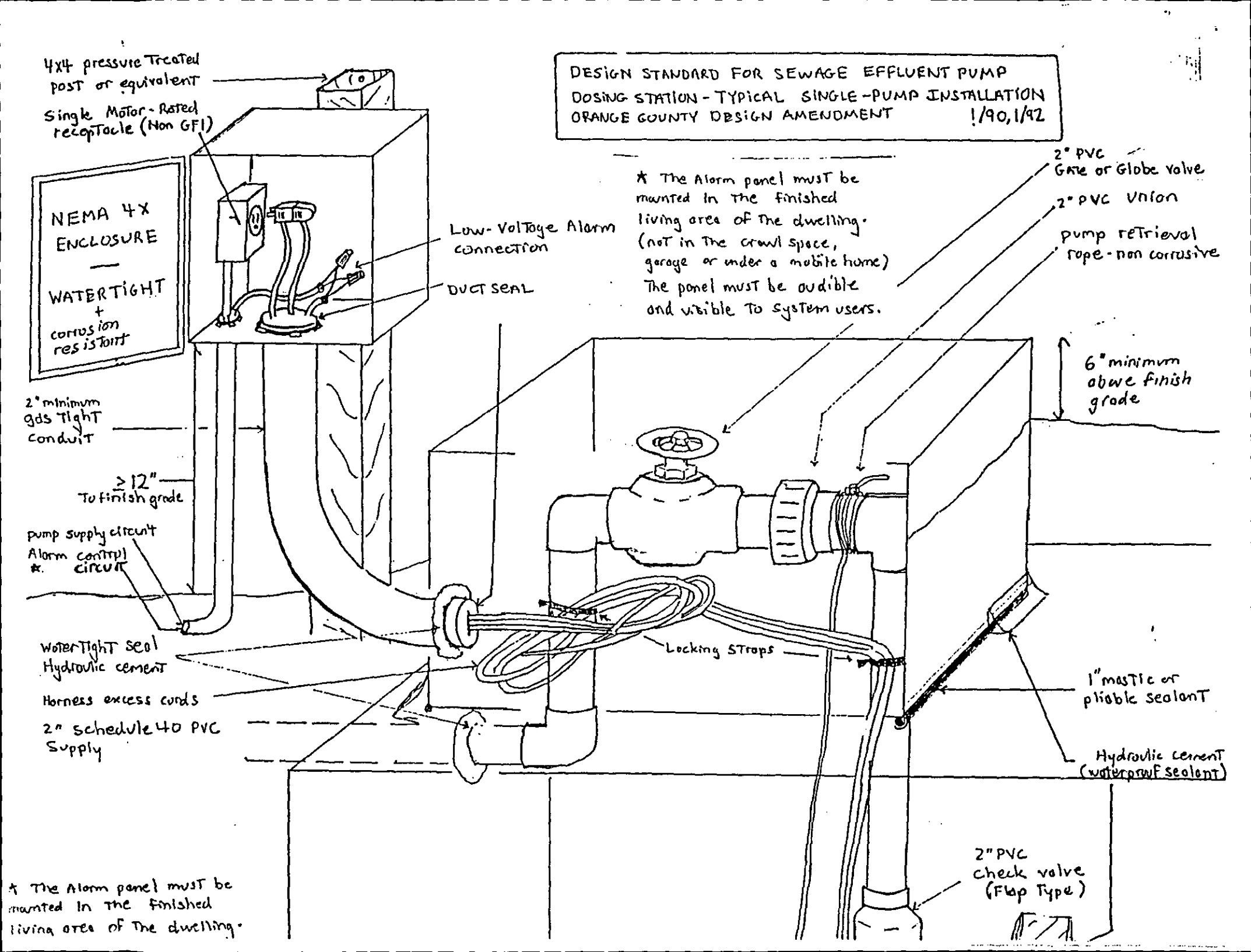
NOTE: ALL DISTANCES ARE HORIZONAL DISTANCES UNLESS OTHERWISE NOTED.
NOTE: AREA BY COORDINATE COMPUTATION.
NOTE: PROPERTY SUBJECT TO ANY VALID & ENFORCEABLE EASEMENTS, RESTRICTIONS & RIGHTS OF WAY OF RECORD.

REVISED: 11-3-97
10' SEWER EASEMENT
CHANGED AT 30' R/W.

FOR SOURCE OF TITLE REFER TO D.BK. 7606, PG. 475.
PROPERTY OWNED BY
CAROLINA CENTERS LLC
WYLIE DEVELOPMENT
BOUNDARY SURVEY OF SEPTIC LOT FOR ADDITION TO
REC. LOT 27 - SECTION 42
AND 10' SEWER EASEMENT
STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.

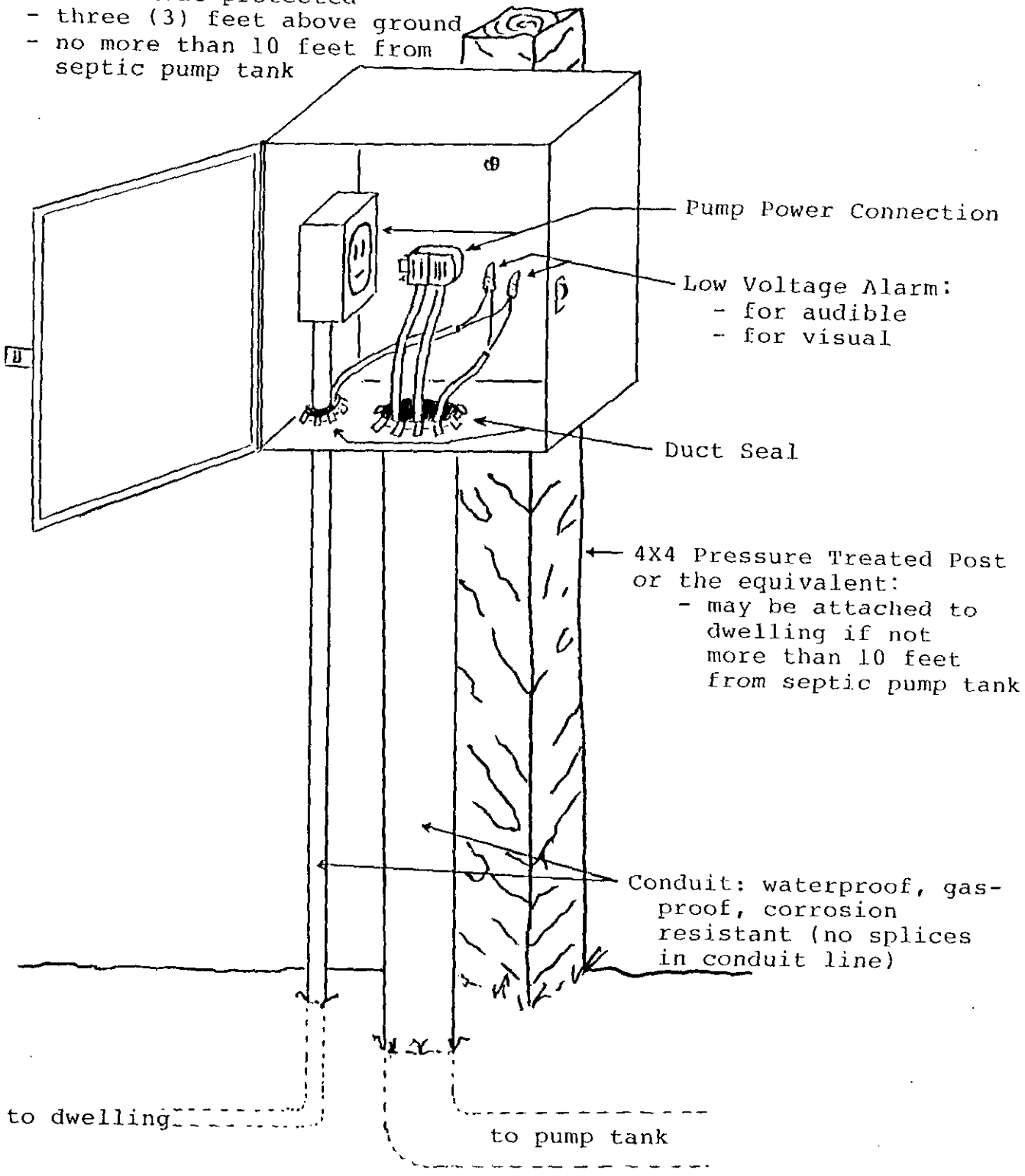
SCALE: 1" = 100'
BOOK: 2305
OCTOBER 9, 1997
REQUEST: 96784

100 50 0 100 200 300
SCALE IN FEET

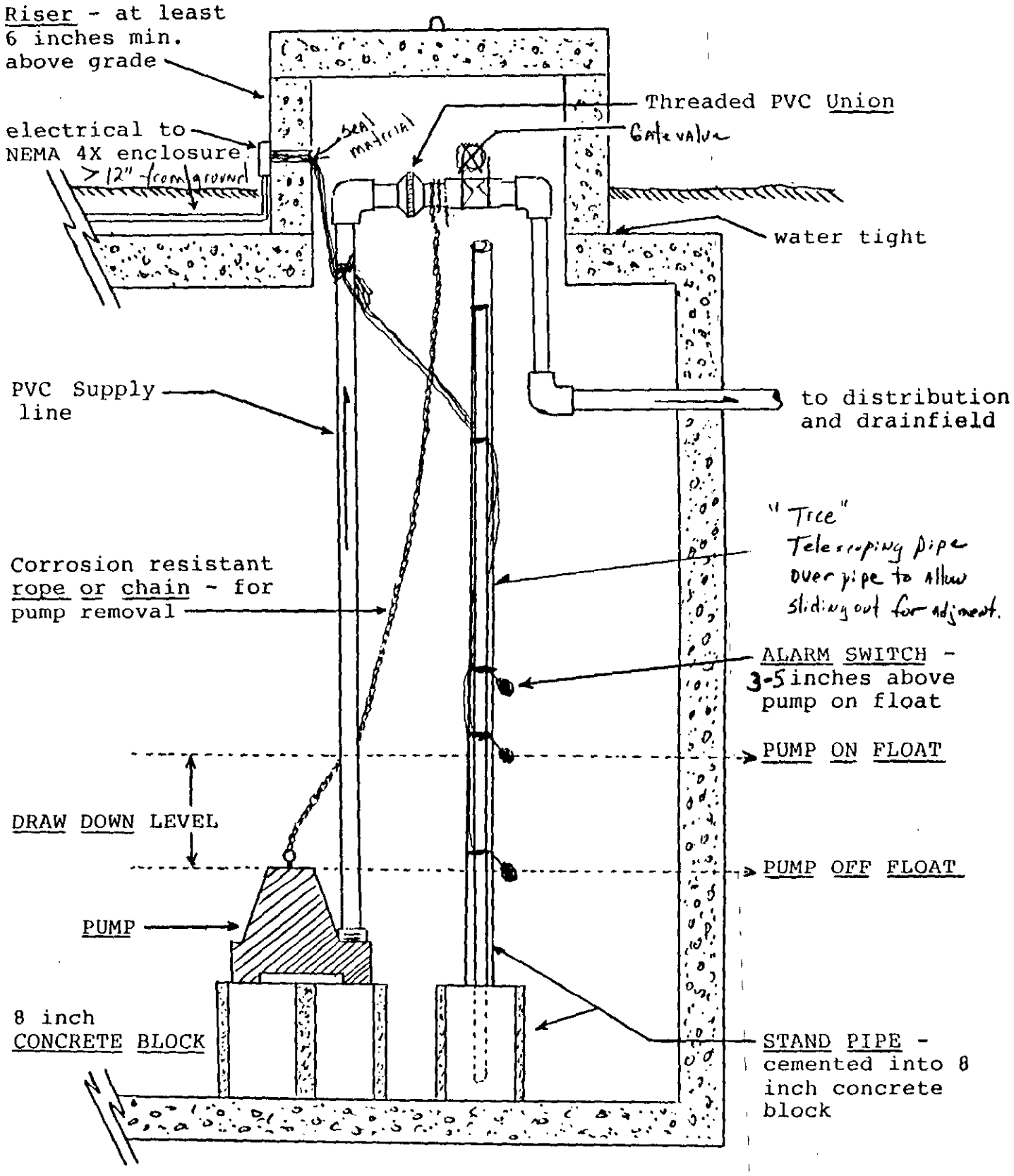

DESIGN STANDARD FOR SEWAGE EFFLUENT PUMP
DOSING STATION - TYPICAL SINGLE-PUMP INSTALLATION
ORANGE COUNTY DESIGN AMENDMENT 1/90, 1/92
4x4 pressure Treated post or equivalent
Single Motor-Rated receptacle (Non GFI)
NEMA 4X ENCLOSURE — WATERTIGHT + corrosion resistant
Low-Voltage Alarm connection
DUCT SEAL
* The Alarm panel must be mounted in the finished living area of the dwelling. (not in the crawl space, garage or under a mobile home) The panel must be audible and visible to system users.
2" PVC Gate or Globe valve
2" PVC Union
pump retrieval rope - non corrosive
6" minimum above finish grade
2" minimum gas tight conduit
≥ 12" To finish grade
pump supply circuit
Alarm control circuit *
Watertight seal Hydraulic cement
Harness excess cords
2" schedule 40 PVC Supply
Locking Straps
1" mastic or pliable sealant
Hydraulic cement (waterproof sealant)
2" PVC check valve (Flap Type)
* The Alarm panel must be mounted in the finished living area of the dwelling.

NEMA 4X ENCLOSURE must be:

- water tight
- corrosion resistant
- solar heat protected
- three (3) feet above ground
- no more than 10 feet from septic pump tank



PUMP DIAGRAM



SECTION: 2.20.060
FM0659
0296
Supersedes
0795

"Quality Pumps Since 1939"

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

"185" - "186" - "188" - "189" Single Seal Series
"4185" - "4186" - "4188" - "4189" Double Seal Series
"191" Single Seal Drip Pump

HIGH HEAD

"FLOW MATE"

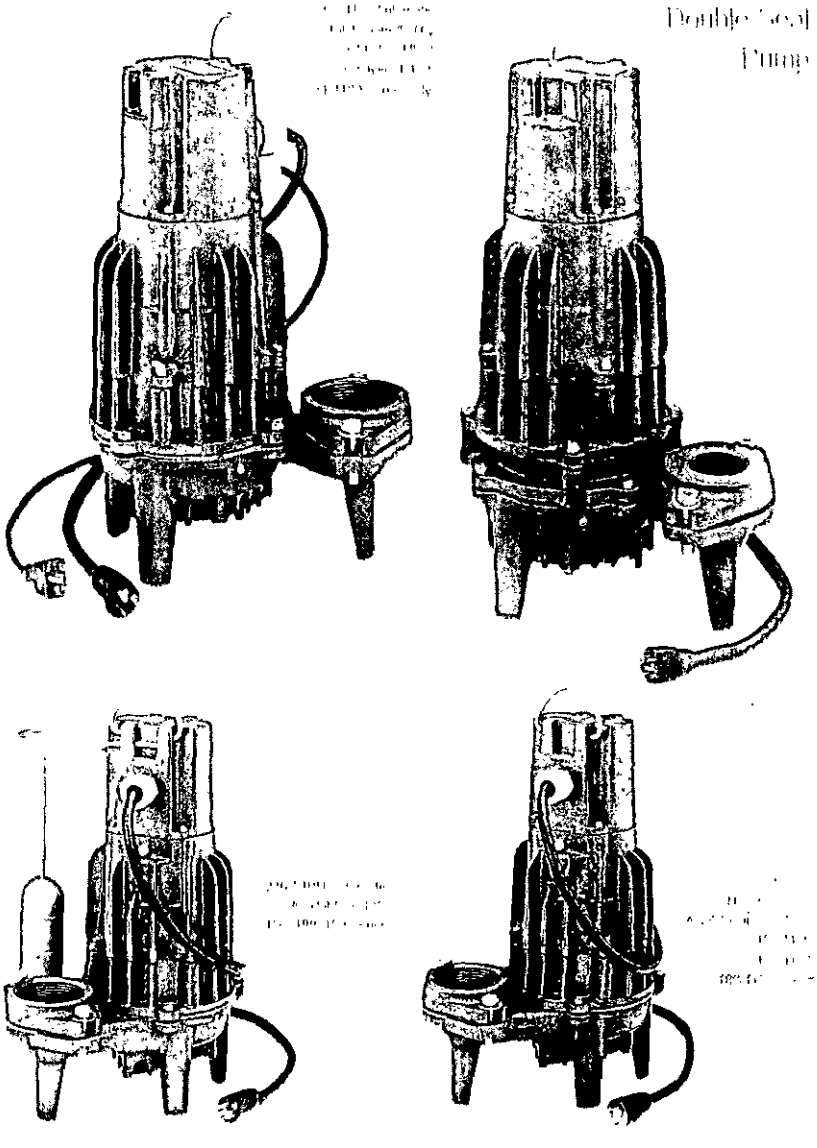
FOR SEPTIC TANK • LOW PRESSURE PIPE (LPP)
AND ENHANCED FLOW STEP SYSTEMS

EFFLUENT

OR DEWATERING PUMP • SUBMERSIBLE

1½" NPT DISCHARGE STANDARD • 2" or 3" FLANGE AVAILABLE

SSPMA MEMBER
SUMP AND SEWAGE PUMP MFRS. ASSN
SSPMA Specification #SC-1225



PUMP FEATURES

- Non-clogging vortex impeller design bronze class 88-8-0-4 (180 Series).
  Closed impeller design (191 Series).
- Float operated, submersible (NEMA 6) 2 pole mechanical switch.
- Durable cast construction. Cast iron switch case, base, motor and pump housing. No sheet metal parts to rust or corrode.
- Stainless steel screws, bolts, float rod, handle, guard, arm and seal assembly.
- 20' UL-listed 3-wire neoprene cord and plug. Extra cord lengths available in 25-35-50 foot length only.
- Motor - 60 cycle, 3450 RPM, oil filled, hermetically sealed, automatic reset, thermal overload protected (1 PH only).
- Maximum temperature for effluent or dewatering 130° F. 54°. C.
- Variable level control systems available.
- Square Ring & Gasket - Neoprene.
- Shaft Seal - Stainless steel carbon & ceramic rotary.
- Upper sleeve bearing and lower ball bearing running in bath of oil.
- All 180/4180 series pass ¾-inch solids (sphere). Model 191 pump passes ⅝- inch solids (sphere).
- On point 14" • Off point 5" (automatic units).
- Major width 12¾" • Height 18 9/16". (Single seal pumps)
- 1½" NPT discharge with 2" or 3" flange available. (Model 191 is not availiable with 3" flange)

SERIES 4185-4186-4188-4189
DOUBLE SEAL PUMPS (non-auto only)

- Protects motor from seal leaks.
- Moisture sensors available for early warning of seal failure. (Optional)

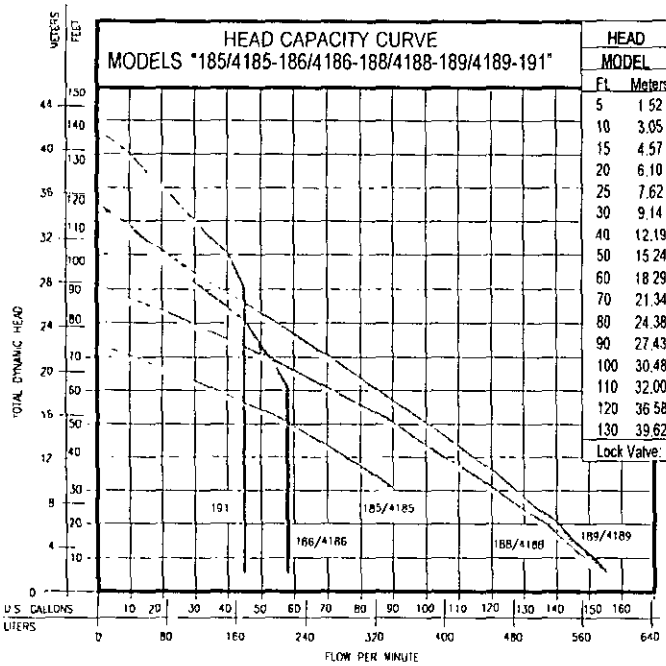
  Improved bearing lubrication.
- Helps eliminate seal and bearing damage from dry runs.
- Major width 12 ¾". Height 20 7/16".

Note: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles.

AUTOMATIC UNITS NOT RECOMMENDED FOR USE IN EFFLUENT SYSTEMS

*NOTE: No UL Listing for 200/208 1 Phase Pumps or Double Seal Series
See Back Page for UL & CSA Listings

Non-Automatic Model for variable level systems

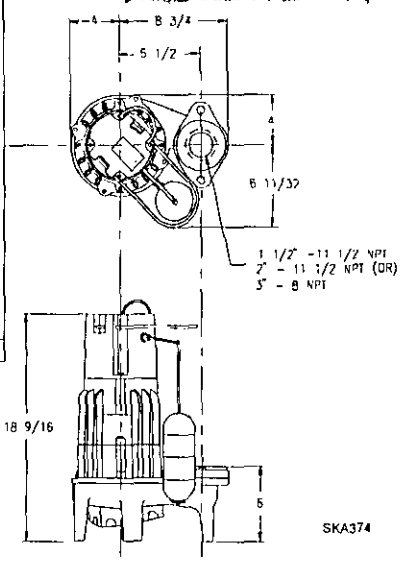


HEAD		CAPACITY UNITS/MIN									
MODEL		185/4185		186/4186		188/4188		189/4189		191	
Ft.	Meters	Gal.	Ltr.	Gal.	Ltr.	Gal.	Ltr.	Gal.	Ltr.	Gal.	Ltr.
5	1.52			58	220	155	587	155	587	45	170
10	3.05			58	220	148	560	151	572	45	170
15	4.57			58	220	142	537	145	549	45	170
20	6.10			58	220	136	515	140	530	45	170
25	7.62			58	220	128	484	133	503	45	170
30	9.14	90	340	58	220	121	458	127	481	45	170
40	12.19	75	283	58	220	105	397	114	431	45	170
50	15.24	58	219	58	220	90	341	100	379	45	170
60	18.29	36	136	58	220	71	269	85	322	45	170
70	21.34	10	38	52	197	51	193	70	265	45	170
80	24.38			45	170	28	106	54	204	45	170
90	27.43			32	121	2	8	37	140	45	170
100	30.48			18	68			21	79	40	151
110	32.00			7	26			8	30	30	114
120	36.58									20	76
130	39.62									10	38
Lock Valve:		73'		115'		91'		112'		137'	

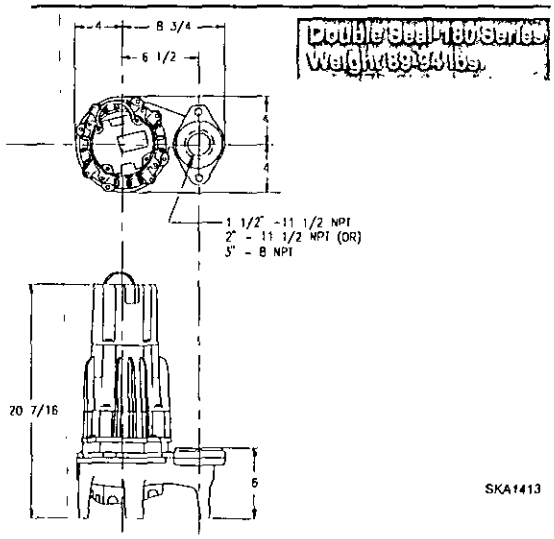
009903

WARNING: Model 185 should not be subjected to heads less than 30 feet TDH.

Single Seal 180 Series
Automatic Design
Weight: 82-88 lbs.



Double Seal 180 Series
Weight: 89-94 lbs.



185 MODELS	4185 MODELS	Standard all models - 20 ft. cord - 1 H.P.				Control Selection		Listings***	
Single Seal	Double Seal**	Volts -	Ph	Mode	Amps	Simplex	Duplex	CSA	UL
D185	---	230	1	Auto	9.8	1 or 1 & 9		Y	Y
E185	E4185	230	1	Non	9.8	2 or 2 & 8	3 or 5 & 6	Y(3)	Y
* H185	---	200-208	1	Auto	11.5	1 or 1 & 9		N	N
* I185	* I4185	200-208	1	Non	11.5	2 & 8	3 or 5 & 6	N	N
* F185	* F4185	230	3	Non	7.4	2 & 4	3 & 4 or 5 & 6	Y	Y
* J185	* J4185	200-208	3	Non	7.5	2 & 4	3 & 4 or 5 & 6	Y	Y
* G185	* G4185	460	3	Non	3.7	2 & 4	3 & 4 or 5 & 6	Y	Y
* BA185	---	575	3	Non	3.3	2 & 4	3 & 4 or 5 & 6	Y	N

186 MODELS	4186 MODELS	Standard all models - 20 ft. cord - 1½ H.P.				Control Selection		Listings***	
Single Seal	Double Seal**	Volts -	Ph	Mode	Amps	Simplex	Duplex	CSA	UL
D186	---	230	1	Auto	13.7	1 or 1 & 9		N	N
E186	E4186	230	1	Non	13.7	2 or 2 & 8	3 or 5 & 6	N	N
* F186	* F4186	230	3	Non	8.6	2 & 4	3 & 4 or 5 & 6	N	N
* G186	* G4186	460	3	Non	4.6	2 & 4	3 & 4 or 5 & 6	N	N

188 MODELS	4188 MODELS	Standard all models - 20 ft. cord - 1½ H.P.				Control Selection		Listings***	
Single Seal	Double Seal**	Volts -	Ph	Mode	Amps	Simplex	Duplex	CSA	UL
D188	---	230	1	Auto	13.3	1 or 1 & 9		N	Y(1)
E188	E4188	230	1	Non	13.3	2 or 2 & 8	3 or 5 & 6	Y(2)	Y(1)
* H188	---	200-208	1	Auto	16.8	1 or 1 & 9		N	N
* I188	* I4188	200-208	1	Non	16.8	2 & 7	3 or 5 & 6	N	N
* F188	* F4188	230	3	Non	8.9	2 & 4	3 & 4 or 5 & 6	Y	Y
* J188	* J4188	200-208	3	Non	10.3	2 & 4	3 & 4 or 5 & 6	Y	Y
* G188	* G4188	460	3	Non	4.6	2 & 4	3 & 4 or 5 & 6	Y	Y
* BA188	---	575	3	Non	3.5	2 & 4	3 & 4 or 5 & 6	Y	N

189 MODELS	4189 MODELS	Standard all models - 20 ft. cord - 1½ H.P.				Control Selection		Listings***	
Single Seal	Double Seal**	Volts -	Ph	Mode	Amps	Simplex	Duplex	CSA	UL
(3) D189	---	230	1	Auto	16.6	1 or 1 & 9		N	Y(1)
(3) E189	(3) E4189	230	1	Non	16.6	2 & 7	3 or 5 & 6	Y(2)	Y(1)
(3) XE189	(3) XE4189	230	1	Auto	16.6	2 & 8		Y	Y
* H189	---	200-208	1	Auto	20.5	1 & 9		N	N
* I189	* I4189	200-208	1	Non	20.5	2 & 7	3 or 5 & 6	N	N
* F189	* F4189	230	3	Non	11.2	2 & 4	3 & 4 or 5 & 6	Y	Y
* J189	* J4189	200-208	3	Non	13.2	2 & 4	3 & 4 or 5 & 6	Y	Y
* G189	* G4189	460	3	Non	6.0	2 & 4	3 & 4 or 5 & 6	Y	Y
* BA189	---	575	3	Non	5.8	2 & 4	3 & 4 or 5 & 6	Y	N

191 MODEL		Standard all models - 20 ft. cord - 2 H.P.				Control Selection		Listings***	
Single Seal		Volts -	Ph	Mode	Amps	Simplex	Duplex	CSA	UL
E191	---	230	1	Non	14.5	2 or 2 & 8	3 or 5 & 6	N	N

* No Molded Plug
** Double Seal pumps are available with optional moisture sensors. Seal Fail indicator light available in NEMA 1 or NEMA 4X control panels.
*** Currently no UL or CSA listing on Double Seal Pumps.
(1) UL Listed unit available with 20 Amp Plug.
(2) CSA Approval without plug cap.
(3) 20 Amp Outlet, P/N 10-0060 must be used.

SELECTION GUIDE

1. Integral float operated mechanical switch, no external control required.
2. Single piggyback wide angle variable level switch, or double piggyback variable level switch. Refer to FM0477.
3. Mechanical alternator "M-Pak" 10-0072 or 10-0075
4. Combination starter. Refer to FM0514.
5. See FM0712 for correct model of Electrical Alternator "E-Pak".
6. Variable level control switch 10-0225 used as control activator with E-Pak duplex (3) or (4) float system.
7. See FM0486 for correct control panel model.
8. 4 hole "J-Pak", junction box, for watertight connection or wired-in simplex or 2 pump operation. P/N 10-0002.
9. 2 hole "J-Pak", junction box, for watertight connection or splice. P/N 10-0003.

CAUTION

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).

For information on additional Zoeller products refer to catalog on Combination Starter, FM0514; Piggyback Variable Level Switches, FM0477; Electrical Alternator, FM0486; Mechanical Alternator, FM0495; Alarm Package, FM0513; Sump/Sewage Basins, FM0487; and Simplex Control Box, FM0732.

RESERVE POWERED DESIGN

For unusual conditions a reserve safety factor is engineered into the design of every Zoeller pump.

TCJ CONSULTING

SITE / SOIL EVALUATION

WRM + TCJ

JOB: Virchen CRI PHONE: DATE: 7/11/97

LOCATION: PIN: COUNTY: PROPERTY SIZE:

PROPOSED FACILITY: WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut__

WEATHER: ANTECEDENT MOISTURE: SURFACE WATER:

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
LANDSCAPE POSITION-%	LS	LS	LS	LS
HORIZON I DEPTH	0-4	0-14	0-5 A	0-4 A
Color - Munsell	red 6/1	red by-bk	bk	lt bk
Texture	scl	scl	cl	sl, scl
Structure	g to m	g to m		
Consistence				
Boundary	clear	clear	gual	clear
HORIZON DEPTH II	4-29	14-46	5-17 E	4-25
Color - Munsell	red	red	bl	red, red gel
Texture	c	c	sl	c
Mottles	NA	NA	NA	NA
Structure	MASAB	CM SAB	g	MFSAB
Consistence	f sp tr ss p	fi sp to ss p		
		c-l int. dayfloor		
Boundary	gradual	grad		
HORIZON III DEPTH	29-48	46-61 BC	17-36	25-44
Color - Munsell	yel red	yel red	red	red yel, yel red
Texture	SC	cl	c	cl
Mottles	silic to pm	silic to pm	NA	silic to pm
Structure	WFSAB	WFSAB	SM SBK	WFSAB
Consistence	friable slight plast		sp to	
Boundary				
HORIZON IV DEPTH	48-59	61-74	36-57	44-58
Color - Munsell	yel red var gl	red yel var	red yel	yel brn red gel
Texture	scl	l, sl, scl	sic, sicl	scl
Mottles	red gl	sap	silic lic	
Structure	g		WFSAB	
Consistence	friable		friable slight plast	
			57-65	
			sap	
Boundary			scl	
SOIL WETNESS				
RESTRICTIVE HORIZON				
SAPROLITE				
LTAR				
CLASSIFICATION				

5.43 2.1

LEGEND

LANDSCAPE POSITION
R - Ridge
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
H - Head slope
Cc - Concave slope
Cv - Convex slope
T - Terrace
P - Flood Plain

TEXTURE
s - sand
fs - loamy sand
sl - sandy loam
l - loam
si - silt
sil - silt loam
sicl - silty clay loam
cl - clay loam
scl - sandy clay loam
sc - sandy clay
sic - silty clay
c - clay

CONSISTENCE
MOIST / WET
Ns - non-sticky
Ss - slightly sticky
S - sticky
Vs - very sticky

Np - non-plastic
Sp - slightly plastic
P - plastic
Vp - very plastic

MOIST
vfr - very friable
fr - friable
fi - firm
vfi - very firm
efi - extremely firm

STRUCTURE
sg - single grain
m - massive
cr - crumb
gr - granular
sab - subangular blocky
ab - angular blocky
pl - platy
pr - prismatic

TCJ CONSULTING

SITE / SOIL EVALUATION

JOB:_____ PHONE:_____ DATE:_____

LOCATION:_____ PIN:_____ COUNTY:_____ PROPERTY SIZE:_____

PROPOSED FACILITY:_____ WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut_____

WEATHER: _____ ANTECEDENT MOISTURE:_____ SURFACE WATER: _____

FACTORS	PROFILE 5	PROFILE 6	PROFILE 7	PROFILE_
LANDSCAPE POSITION-%				
HORIZON I DEPTH	0-7 A	Mette	mountain	
Color - Munsell		pit 5	profile	
Texture			at 23	
Structure				
Consistence				
Boundary				
HORIZON DEPTH II				
Color - Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
HORIZON III DEPTH				
Color - Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
HORIZON IV DEPTH				
Color - Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
SOIL WETNESS				
RESTRICTIVE HORIZON				
SAPROLITE				
LTAR				
CLASSIFICATION				

LEGEND

LANDSCAPE POSITION
R - Ridge
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
H - Head slope
Cc - Concave slope
Cv - Convex slope
T - Terrace
P - Flood Plain

TEXTURE
s - sand
ls - loamy sand
sl - sandy loam
l - loam
si - silt
sil - silt loam
sicl - silty clay loam
cl - clay loam
scl - sandy clay loam
sc - sandy clay
sic - silty clay
c - clay

CONSISTENCE
WET
Ns - non-sticky
Ss - slightly sticky
S - sticky
Vs - very sticky

Np - non-plastic
Sp - slightly plastic
P - plastic
Vp - very plastic

MOIST
vfr - very friable
fr - friable
fi - firm
vfi - very firm
efi - extremely firm

STRUCTURE
sg - single grain
m - massive
cr - crumb
gr - granular
sab - subangular blocky
ab - angular blocky
pl - platy
pr - prismatic

Toney C. Jacobs & Associates, Inc.
Consulting Soil Scientists
NCRCPS ARCPACS

168 Broadbill Drive
Mooresville, NC 28115
Phone (704) 663-6905
Fax (704) 662-9845

November 6, 1997

MEMORANDUM

To: Mr. Todd Leger, P.E.
Leger Corp.
234 Benton Woods
Matthews, NC 28105

Ms. Toni Bunney, R.S.
Mecklenburg County Health Dept.
Charlotte, N. C.

From: Toney C. Jacobs, CPSS

Ref: Construction and testing of septic force main (supply lines) to off-site easement areas For Howard Virkler

The following are overall requirements for individual single family force main lines:

1. All material to be PVC schedule 40 or schedule 80 as shown on plan. Any variation of this must be approved in writing by the Mecklenburg County Health Department (MCHD).
2. All pipes to be 2" diameter as specified on plan.
3. Sewer pipes will be placed below and at 18" separation to perpendicular water line crossing if such exists.
4. At street crossings along parallel runs, lines will be greater than 36" (State requirement is 30"). At this depth there is no need for sleeves or metal pipes.
5. In sections with multiple pipe runs, color-code (spray paint) the pipe and riser both inside and out with same color. An "as-built" drawing with location and colors must be supplied

at testing. This includes Showing which pipe is on the right and which is on the left should maintenance be required.

6. Sewer lines will be <u>below</u> storm drains with a minimum 1-foot separation should such exist.
7. After lines are installed and marked, they should be capped on both ends to keep water out which could freeze and damage pipe. While laying pipe, avoid getting dirt, debris, and excessive cuttings into pipe which will foul manifold or distribution system.
8. Prior to final acceptance or approval of system, lines must be pressure tested to engineering criteria. Arrange test 2 days in advance with Toney Jacobs (663-6905). The MCHD will be notified and may participate as desired.
9. Test pipes must be capped, there must be a filler orifice, and test gauge installed. Pipes must be filled with water and/or air from 40 to 50 psi and held > 24 hours without dropping below 40 psi.

FEE: _____ **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION** 40
DATE: _____ **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 11-14-97 PERMIT NO: 7255A

PARCEL NO: 217-212-29

JOB LOCATION ADDRESS: 15832 LAKE Ridge Rd.
PROPERTY OWNER: HOWARD WIRKIER
BUILDING CONTRACTOR: Ledger Construction
SUBDIVISION NAME: _____
AUTHORIZATION ISSUED BY: [signature] DATE: 11/14/97
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 7255A, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: ① Installation Approval Required.

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

[signature] 11/14/97
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

Permit Number: 7255A

CONDITIONS OF IMPROVEMENT PERMIT

Tax Number 217-212-29

- The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement	___ Yes	X No	___ Partial Basement	
Type Primary Wastewater System Type (circle one): I II III IV V VI	___ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1	
___ Long-term acceptance rate	___ Max gallons/day wastewater flow	___ Absorption Area (sq ft)	___ Trench spacing (min. on centers)	
___ Serviced by private well	___ Gallon septic tank	___ Total trench length (ft)	___ Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)	
3 Bedrooms in residence	___ Gallon pump tank	___ Depth of stone		

Any surface waters present: Type: Minimum separation distance: 1950 (3) (4)

Site modifications required: SUPPLY LINE TO MEET

Additional Conditions: (1) EASEMENT TO CROSS LOT 27 SHALL BE DOCUMENTED & RECORDED WITH DEED.
(2) ALL WELLS SHALL MAINTAIN 50' FROM SEPTIC SYSTEM.

Repair Area System Type Type (circle one): I II (III) IV V VI 3B	✓ Conventional (Pump) ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1	
1200 Absorption Area (Sq ft) 400 Total Trench Length (Ft)	12 Depth of Stone Trench	9 Trench spacing (min. on centers)	36" Maximum Trench Depth	

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.
- This Improvement permit is transferable.

Dan Higgins Burney 11/14/97
DEHNR Authorized Agent — Date

11/14/97
Owner/Agent Signature — Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FEE: 200.00 Chk # 502
DATE: 11/14/97 GC

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

[X] CRT

TYPE APPLICATION: __ NEW SYSTEM X EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: 7255A

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 217-212-29

STREET ADDRESS: 15832 Lake Ridge Rd

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
✓ HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS:

CLOSING DATE_____

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT
__ ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
__ MUNICIPAL (M)
✓ PRIVATE WELL (P)
__ SHARED WELL (S)
__ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES ✓ YES __ NO
EXISTING WASTEWATER SYSTEMS ✓ YES __ NO
EASTMENTS OR RIGHT-OF-WAYS ✓ YES __ NO
WELL, SPRINGS OR WATERLINES ✓ YES __ NO
DESIGNATED WETLANDS __ YES ✓ NO

PROPERTY OWNER:

NAME: VIRKLER (LAST) HOWARD (FIRST) E (MI)

ADDRESS: 12345 STARR CREEK RD

CITY: CHARLOTTE STATE: NC ZIP: 28273

DAYTIME PHONE: ( ) 704-588 8500

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) —

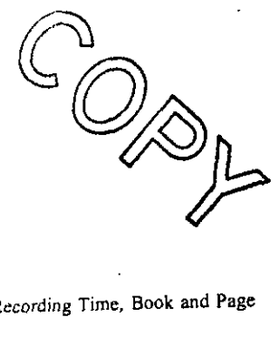
WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: _____ DATE: 11/14/97

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

NO TITLE OPINION RENDERED AND
NO CLOSING HELD BY PREPARING ATTORNEY



Recording Time, Book and Page

FILE COPY	
FILED FOR REGISTRATION	DOC. # 59
DATE 11/14/97	TIME 9:51
BOOK 9351	PAGE 633
STAMPS 40.00	REC FEE 60.00
JUDITH A. GIBSON REGISTER OF DEEDS MECKLENBURG COUNTY, NC	

Purchase Price: $20,000.00

Revenue Stamps: $40.00

Tax Lot No.: _____ Parcel Identifier No. 217-161-01 (P/O 217-212-32; to be made a P/O 217-212-28

Verified by _____ County on the _____ day of _____, 19__

by _____

Mail after recording to: Grantee

This instrument was prepared by: Mark L. Childers, Attorney at Law

Brief description for the Index: 1.290 acre tract on Lake Ridge Road and Langston Drive, Mecklenburg County, NC

*** NORTH CAROLINA SPECIAL WARRANTY DEED ***

THIS DEED made this 14th day of November, 1997, by and between

GRANTOR	GRANTEE
CAROLINA CENTERS, LLC AND CRESCENT RESOURCES, INC. P. O. Box 1003 Charlotte, NC 28201-1003	HOWARD E. VIRKLER c/o Virkler Company 12345 Steele Creek Road Charlotte, NC 28273

This property was conveyed to Grantor as "Crescent Land and Timber Corp." Grantor's name was changed effective August 1, 1989, Crescent Resources, Inc., by Articles of Amendment filed in the office of the South Carolina Secretary of State and by Application i Amended Certificate of Authority filed in the office of the North Carolina Secretary of State.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall inclu singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has a by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in Ste Creek Township, Mecklenburg County, North Carolina and more particularly described as follows:

BEING all of that certain tract of land containing 1.290 acres, more or less, which is located in Steele Creek Township, Mecklenbu County, North Carolina, at the northwest corner of the intersection of the 60 foot right of way for Lake Ridge Road and the 60 foot rig of way for Langston Drive, as shown on a certain survey prepared by Duke Energy Corporation dated October 9, 1997 and revis November 3, 1997, said survey being attached hereto as Exhibit A and incorporated herein by reference, reference to said survey bei made for a more particular description of said tract.

TOGETHER WITH an easement through, under and across that certain 10 foot wide strip of land containing 0.236 acre which ru between Lot 27, Section 42 of Crescent Resources, Inc.'s Lake Wylie Recreation Lots (See Plat Book 17, Page 503, Mecklenburg Coun Registry) and the above described 1.290 acre tract of land, said easement to be for the purposes of installing, maintaining, repairing a using a sewer line and appurtenant equipment for the flowage, pumping and transporting of sewage from said Lot 27 and Lot 28, Secti 42 to the septic sewer nitrification field on the above-described 1.290 acre tract, said easement being more fully depicted and describ on the certain survey prepared by Duke Energy Corporation dated October 9, 1997 and revised November 3, 1997, said survey bei attached hereto as Exhibit A incorporated herein by reference.

AND BEING a portion of the land conveyed to Grantor as follows: From Crescent Resources, Inc. to CLT Development Corp. recorded in Book 7592, Page 832 and Crescent Resources, Inc. and CLT Development Corp. to Carolina Centers, LLC recorded in Book 7606, Page 475; and Timber Deed recorded in Book 8074, Page 687, all of the Mecklenburg County Registry.

This conveyance is made subject to the following covenant and restriction which shall run with the land and be binding upon Grantee Grantee's heirs and assigns. Said reservation and restriction may be modified or abrogated at any time by and with mutual written consen of the Grantor or its successors and the then current owner or owners of the lot herein conveyed. Nothing herein shall be held to impos any restriction on any land of Grantor not hereby conveyed.

The 1.290 acre tract of land hereinabove conveyed (hereinafter "Property") shall be used by the Grantee, Grantee's heirs and assigns, onl for the purpose for installing, maintaining, using a septic sewer nitrification field serving only Recreation Lot 27 and Lot 28, Section 42 Lake Wylie, as shown on plat dated August 22, 1975, recorded in Plat Book 17, Page 503, in the office of the Register of Deeds fo Mecklenburg County. Grantee, Grantee's heirs and assigns, shall have the right to construct, install, excavate, build, maintain, operate remove and re-install a septic sewer nitrification field and related equipment on the Property. Following any earth disturbing activity o the Property, Grantee, Grantee's heirs and assigns, shall promptly and reasonably restore any portion of the surface of the Property s disturbed and shall stabilize the disturbed area by planting and maintaining appropriate ground cover. Grantee, Grantee's heirs and assign shall maintain the Property in a clean and safe condition and shall be responsible for mowing the grass or other ground cover locate thereon. No building, structure, equipment, vehicles or other personal property or improvements may be placed upon or stored upon th Property other than the septic system nitrification field as set forth herein.

In the event the septic nitrification field to be constructed on the Property is no longer needed to serve the said Lot 27 and Lot 28, Sectio 42 above described, then in such event, the Property may be used for residential purposes subject to the following additional covenan and restrictions: This tract conveyed herein shall become a part of Lot 27, Section 42, Lake Wylie Recreation Lots and shall be subje to all easements, reservations, conditions and restrictions set out in the deed conveying Lot 27, Section 42, to Howard E. Virkler and wif Susan I. Virkler, as appears of record in Book 6501, Page 722, Mecklenburg County Registry.

By accepting this deed Grantee signifies his understanding that Duke Power Company has certain privilege and easemen affecting the property hereby conveyed which include the right, privilege and easement of backing, ponding, raising, flooding or diverti the waters of the Lake Wylie and its tributaries upon and over said property, as more specifically described in the deed from Duke Pow Company to the Grantor recorded in the office of the Register of Deeds in the aforesaid County.

This conveyance is made subject to those certain flood easements to Duke Power Company (now Duke Energy) to flood to t 580 ft. contour line reserved in Deed Book 3146, Page 165, Mecklenburg County Registry; and subject to that certain 10 ft. sew easement as shown on the attached plat.

TO HAVE AND TO HOLD the aforesaid tract of land and all privileges and appurtenances thereto belonging to said Grant and Grantee's heirs, successors and assigns, to their only use and behoof forever, except that this conveyance is made subject to t easements, reservations, conditions and restrictions set out above and to all other conditions, easements, reservations and restrictions record.

And the said Grantor for itself and its successors and assigns covenants with the said Grantee and Grantee's heirs, successors a assigns, that it is seized of said premises in fee and has right to convey the same in fee simple; that the same is free and clear from encumbrances and that it will warrant and defend the title against the lawful claims of all persons claiming by, under and through Grant except for the exceptions hereinafter stated except this conveyance is made subject to the reservations, easements, conditions a restrictions set out above or of record and to the taxes for the current year which Grantee hereby assumes and agrees to pay.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corpor name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

CAROLINA CENTERS, LLC

By: Crescent Resources, Inc.
Member and Manager

By: Ronald M. Bost
Ronald M. Bost
Its: Sr. Vice President

ATTEST: Ethelene G. Williams
Assistant Secretary

(SEAL)

CRESCENT RESOURCES, INC.

By: Richard C. Ranson
Richard C. Ranson
Chairman and Chief Executive Officer

ATTEST: Ethelene G. Williams
Assistant Secretary

(SEAL)

NORTH CAROLINA, MECKLENBURG COUNTY

I, a Notary Public of the County and State aforesaid, certify t Ethelene G. Williams personally came before me this day and acknowledged t he is Assistant Secretary of CRESCENT RESOURCES, INC., Member and Manager CAROLINA CENTERS, LLC, a North Carolina limited liability company, and that authority duly given and as the act of the corporation, the foregoing instrument was sign

in name by Ronald M. Bost, Sr. Vice President, sealed with its corporate seal and attested by her as its Assistant Secretary.

Witness my hand and official stamp or seal, this 14th day of November, 1997.

My Commission Expires: _____

_____
Notary Public

NORTH CAROLINA, MECKLENBURG COUNTY

I, a Notary Public of the County and State aforesaid, certify tha Ethelene G. Williams personally came before me this day and acknowledged tha he is Assistant Secretary of CRESCENT RESOURCES, INC., a South Carolina corporation and that by authority duly given and as the act of the corporation, the foregoing instrumen was signed in name by Richard C. Ranson, Chief Executive Officer, sealed with its corporat seal and attested by her as its Assistant Secretary.

Witness my hand and official stamp or seal, this 14th day of November, 1997.

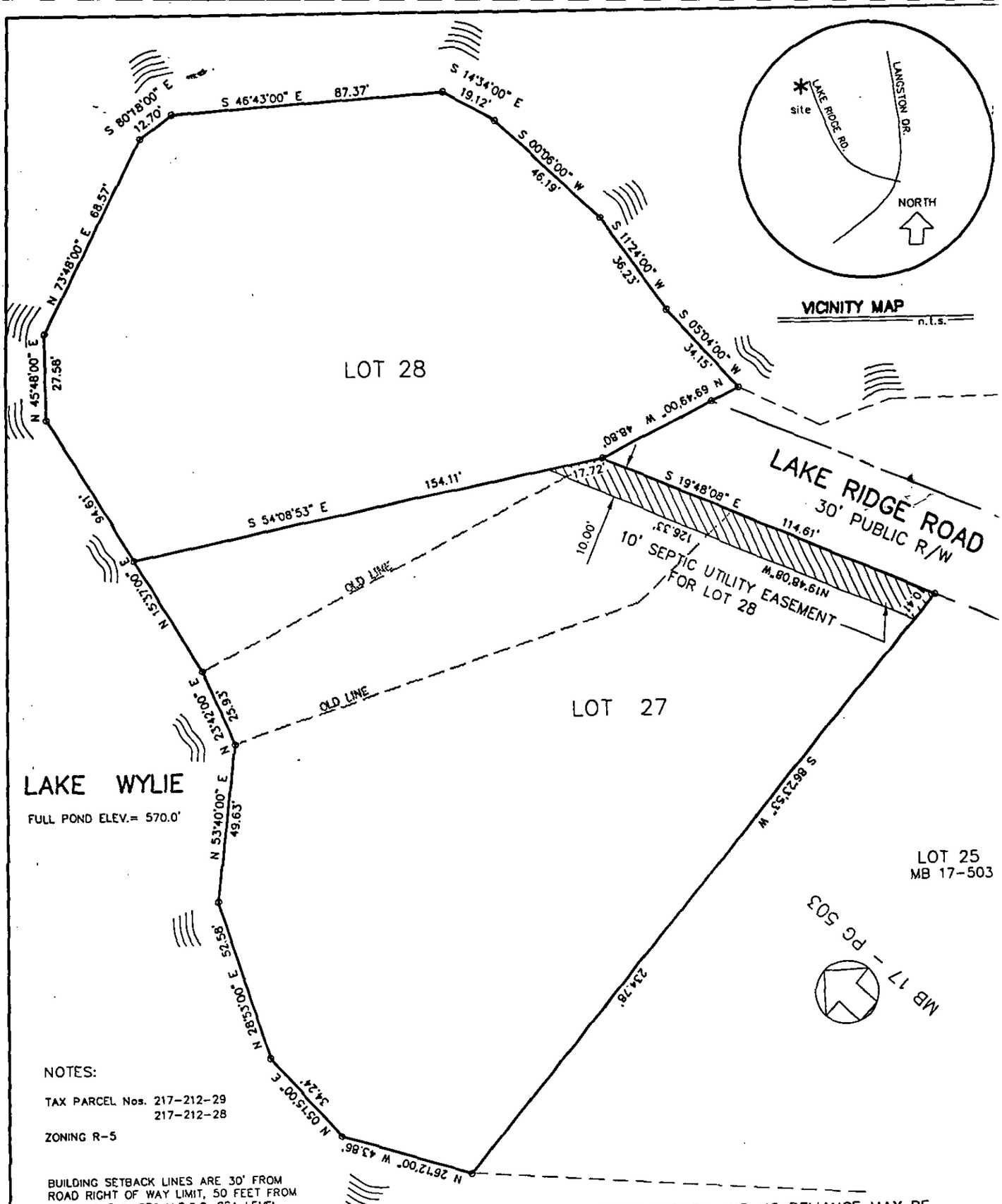
My Commission Expires: _____

_____
Notary Publ

The foregoing Certificate(s) of _____ is/are certified to b correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first pag hereof.

_____ REGISTER OF DEEDS FOR _____ COUNTY

By: _____ Deputy/Assistant-Register of Deeds



VICINITY MAP
n.t.s.

NOTES:

TAX PARCEL Nos. 217-212-29
217-212-28

ZONING R-5

BUILDING SETBACK LINES ARE 30' FROM ROAD RIGHT OF WAY LIMIT, 50 FEET FROM CONTOUR ELEV.570 U.S.G.S. SEA LEVEL DATUM, AND 10 FEET FROM SIDE LOT LINE. PER MB 17-PG 503

THIS PROPERTY MAY BE SUBJECT TO EASEMENTS AND OR RIGHTS-OF-WAY EITHER RECORDED OR IMPLIED.

F.E.M.A.- F.I.R.M. INFORMATION

COMMUNITY-PANEL NUMBER 370158 0170 B
ZONE X, A
MAP REVISED: FEBRUARY 3, 1993

FLOOD STATEMENT

THIS IS TO CERTIFY THAT THE LOCATION OF THE SUBJECT PROPERTY HAS BEEN CHECKED AGAINST AREA FEMA/FIRM MAPS AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT A PORTION OF THE SUBJECT PROPERTY IS LOCATED IN A SPECIAL FLOOD HAZARD AREA A OR B, HOWEVER NO PORTION OF THE DWELLING STRUCTURE IS LOCATED IN A SPECIAL FLOOD HAZARD AREA.

THIS MAP IS NOT A CERTIFIED SURVEY AND NO RELIANCE MAY BE PLACED IN ITS ACCURACY.

I JORGE PERALTA, Review Officer of Mecklenburg County certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer

11/14/97
Date

LEGEND

O	PROPERTY CORNER
F	FOUND
S	SET
#4b	No. 4 REBAR
#5b	No. 5 REBAR
CM	CONTROL MONUMENT
R/W	RIGHT OF WAY

0" 1" SCALE: 1" = 40'

Lucas-Forman Incorporated
Land Surveying
Planning & Engineering
4000 Stuart Andrew Boulevard
Charlotte, North Carolina 28217
P.O. Box 11386 28220-1386
(704) 527-6626 Fax 527-9640

SEPTIC UTILITY EASEMENT EXHIBIT
of
15832 LAKE RIDGE ROAD
Charlotte, Mecklenburg County, N.C.

LOT 27&28 BLOCK ___ MAPBOOK 17 PAGE 503
SUBDIVISION ___
DEED REFERENCE: 6350-269
for
HOWARD VIRKLER

DRAWN: DATE: 11-13-97 REV. 0
UPDATE:

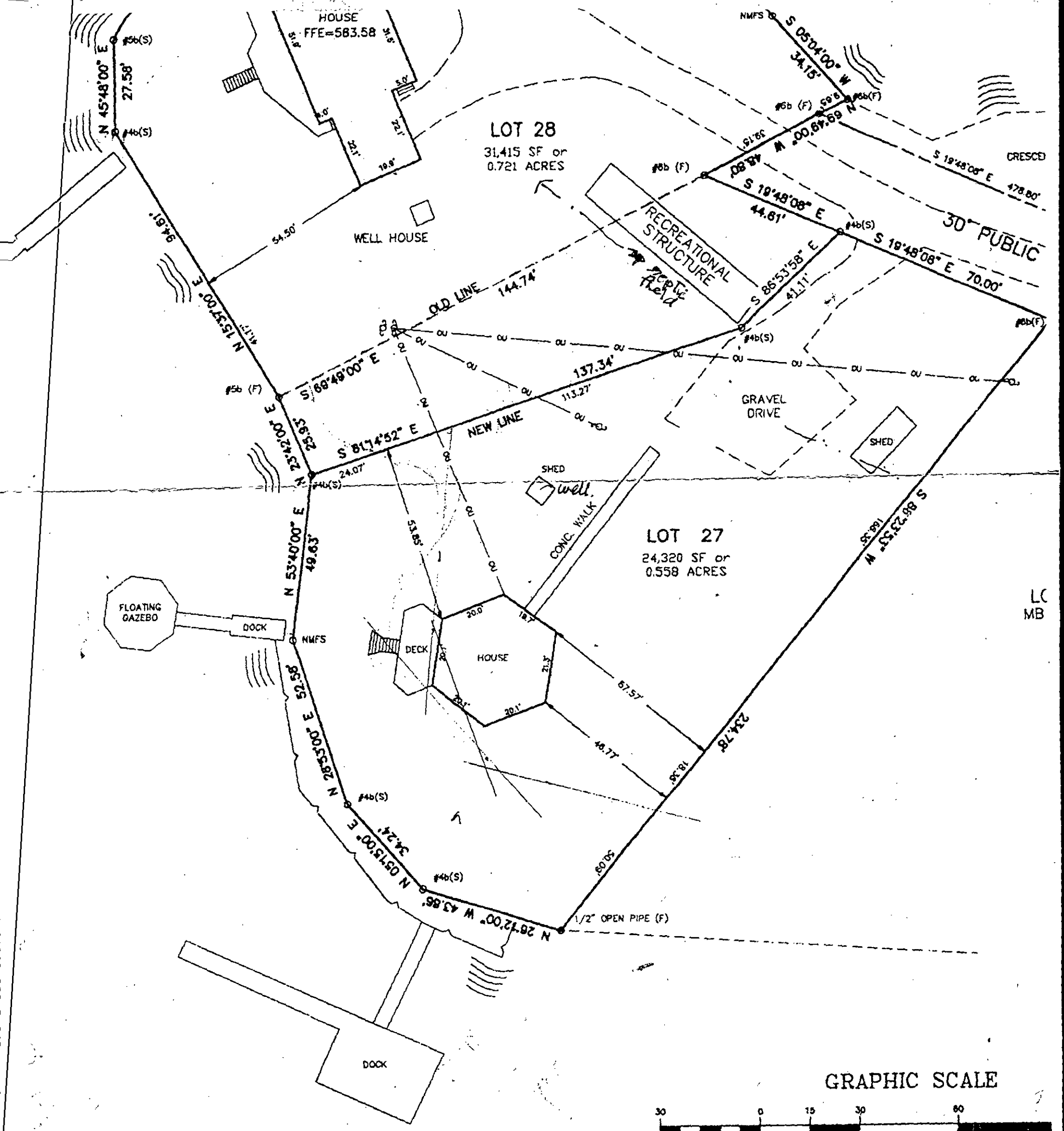
SEAL

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES

JOB# 97409 FILE# 551

COPY

7255A



7255A

APPLICATION FOR AN IMPROVEMENT PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION PAID JAN 30 1991

(OFFICE USE ONLY)
FILE: 9255A
TC: 217-212-29
SERIAL: № 21643
☐ L ☐ CRT

JOB LOCATION

① ADDRESS: 15832 (STREET NO.) Lake Ridge Rd (STREET) ② FILE:
③ JURISDICTION: ④ TAX PARCEL NO.:
⑤ SUBDIVISION: ⑥ LOT: 28 ⑦ BLOCK:

OWNER

⑧ NAME: Howard (FIRST) Vickler (MIDDLE) (LAST)
⑨ MAILING ADDRESS: 1537 Parview Dr.
⑩ CITY: Charlotte ⑪ STATE: N.C. ⑫ ZIP:
⑬ PHONE: (WORK) 588-8500 ⑭ (HOME)

REQUEST

This request is for a(n): Use Existing Sys.

⑮ ☐ New permit ⑰ ☐ Authorization for mobile home exchange
⑯ ☐ Repair or alteration permit ⑱ ☐ Other (specify) Deck Addition

DESIGN CRITERIA

System will serve:

⑲ ☑ Residence ⑳ ☐ Mobile home ㉑ ☐ Business or place of public assembly
㉒ Number of bedrooms? 3 ㉕ Type?
㉓ Maximum occupancy? 3 ㉖ Maximum number of employees?
㉔ Basement? ☑ yes (Partial) ☐ no ㉗ Maximum number of seats?

WATER SUPPLY

㉘ Water supply from (present or proposed):

A ☑ Individual well
B ☐ Municipal system
C ☐ Community well
D ☐ Community system

㉙ The undersigned, owner of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: William C. McGinn III
1/30/91

IMPROVEMENT PERMIT

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, Treatment And Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

... No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair permit is issued by this Department.

... This permit is not transferable, and shall become null and void 60 months from the date of issuance. May use existing system for Deck 60 only.

Environmentalist — Date 2/7/91

Director or Authorized Section Head — Date 2/7/91

*This permit must be signed by the Director of Mecklenburg County Health Department or an authorized section head in order to be valid.

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

CHARGE SLIP

Date: 01/30/91

Name/Company: The Land Co.

Sanitation _____

Vector Control _____

O.P.W.D. ✓

Service: Land Audit

Tc# 317-212-39

15832 John Ridge Rd

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAID

JAN 30 1991

Ck# 4284

Fee: $ 25.00 25.00

NOTICE:

A processing fee of $15.00 will be charged for all returned checks in accordance with N.C. General Statute 25-3-512.

Completed by

Collected by

TO: ENVIRONMENTAL HEALTH DEPT.
BUILDING STANDARDS DEPT.
DEPT. OF ENVIRONMENTAL PROTECTION/
SOLID AND HAZARDOUS WASTE

DATE 1/30/91

FROM: COUNTY ENGINEERING DEPARTMENT

EHD FILE _____ JURISDICTION CODE Meck

PARCEL NUMBER 217-212-29

ASSIGNED ADDRESS 15832 Lake Ridge Rd

EXISTING ADDRESS _____

PROJECT NAME N/A

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

	APPROVED	DISAPPROVED
1. SUBDIVISION REGULATIONS	/ ✓ /	/ / *
2. FLOODWAY REGULATIONS	/ /	/ ✓ / *
3. EROSION CONTROL REGULATIONS	/ ✓ /	/ / *
4. PUBLIC UTILITY EASEMENT	/ ✓ /	/ / *

	PRESENT	NOT PRESENT
5. PUBLIC UTILITY EASEMENT	/ / *	/ /
6. PROPERTY FRONTS ON THOROUGHFARE	/ / *	/ /
7. DRIVEWAY PERMIT REQUIRED	/ / *	/ /

*If checked, further investigation will be required to determine whether a building permit can be issued by Building Standards for the site.

REMARKS: deck addition

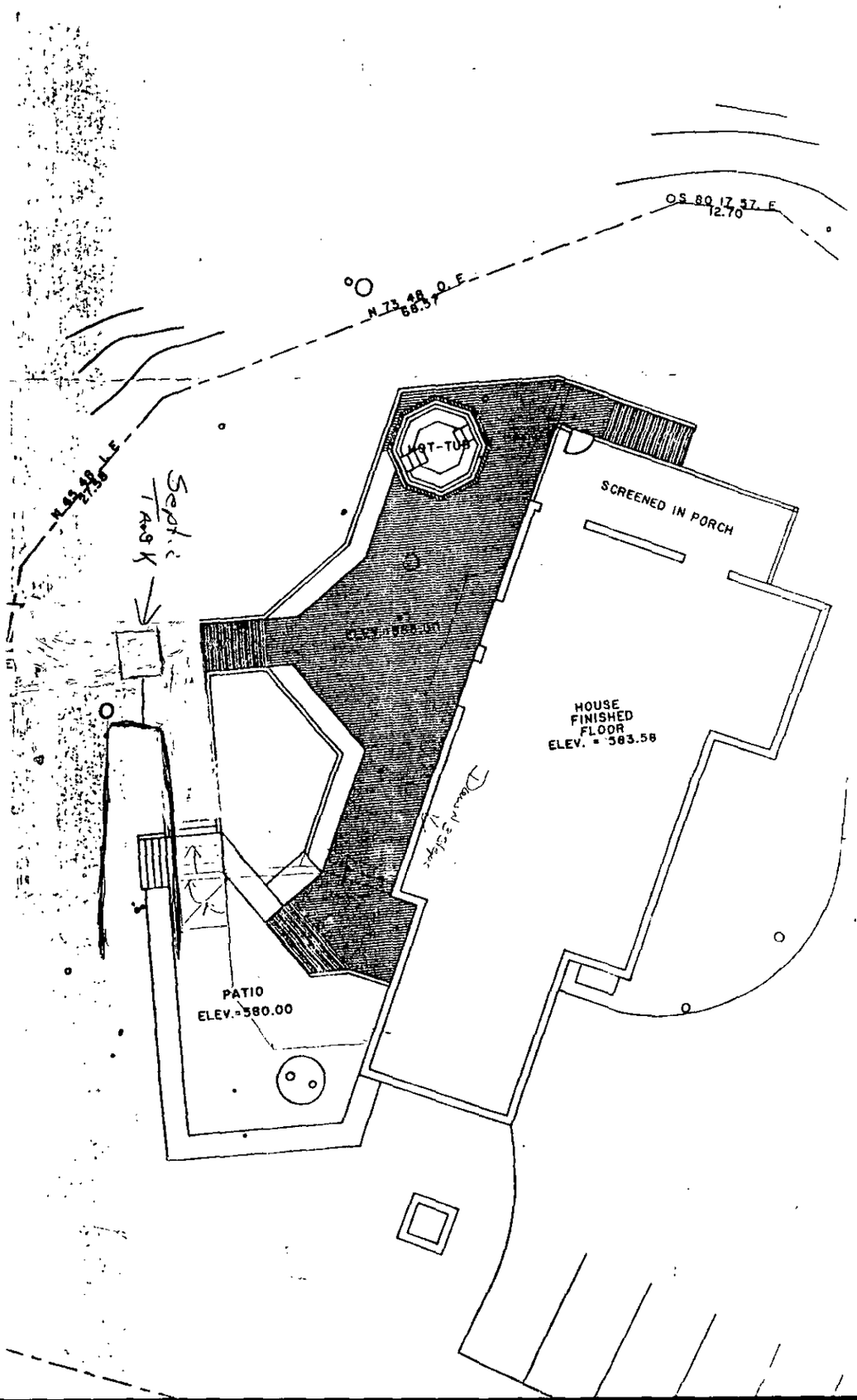
NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIER'S OFFICE AT BUILDING STANDARDS WHEN PAYING PERMIT FEES.
A CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL THE TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAY(S).

SIGNED: [signature]

OPWEAR 06-88

NEW ADDRESS / /*

FORM 100


S 80 17 37 E
12.70
N 73 48 E
68.57
HOT-TUB
SCREENED IN PORCH
Sept. Tank
HOUSE
FINISHED
FLOOR
ELEV. = 583.58
PATIO
ELEV.=580.00

PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 7255A

TC: 217-212-29

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.

See Attached Diagram

Deck Addition

APPROVAL DATE _____

White - Health Department's Copy Canary - Environmentalist's Copy Pink - Owner's Copy