

ISLAND LAKE VIEW

6/15/2007

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

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Permit Number 6473-A

CONDITIONS OF IMPROVEMENT PERMIT

Tax Number 023-127-14-13

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	✓ 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

.1 Long-term acceptance rate	360 Max gallons/day wastewater flow	1050 Absorption Area (sq ft)	5 Trench spacing (min. on centers)
yes Serviced by private well	1500 Gallon septic tank	700 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	1000 Gallon pump tank	___ Depth of stone	

Any surface waters present: No Type: Minimum separation distance:

Site modifications required:

Additional Conditions: - agreement form must be executed and recorded prior to installation approval
- certified operator required Type IV system.
-

Repair Area System Type 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

1050 Absorption Area (Sq ft) 700 Total Trench Length (Ft)	9 Depth of Stone Trench	5 Trench spacing (min. on centers)	3 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.

[signature] 1-30-97
DEHNR Authorized Agent Date

X Ron Ro[illegible] 8-28-97
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: _____ **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION**
DATE: _____ **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 7-30 97 PERMIT NO: 6473-A
PARCEL NO: 023-127-14-13
JOB LOCATION ADDRESS: Mountain Island Dr West
PROPERTY OWNER: Ron Rozzelle
BUILDING CONTRACTOR: _____
SUBDIVISION NAME: _____
AUTHORIZATION ISSUED BY: Kelly Randall DATE: 7-30-97
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 6473-A, 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:
- agreement forms must be executed and recorded prior to installation approval
- certified operator required type IV system

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.

X Ron Rozzelle 8-28-97
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

LOW PRESSURE PIPE SEPTIC SYSTEM PLAN

FOR

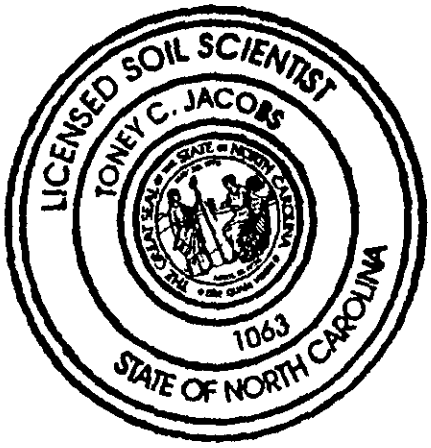
MOUNTAIN ISLAND DRIVE WEST

MECKLENBURG COUNTY, NORTH CAROLINA
MCHD#6473A PARCEL #023-127-1314

by

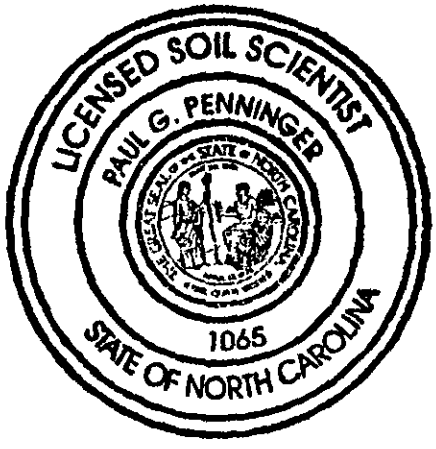
Toney C. Jacobs & Associates, Inc.
Consulting Soil Scientists
168 Broadbill Drive
Mooresville, N. C. 28115

July 21 1997



To: Mr. Kelly Randall, R. S.
Mecklenburg County Environmental Health
Charlotte, N. C.

Mr. Ron Rozzelle
P. O. Box 7
Saxapahaw, N. C. 27340



Paul G. Penninger

Toney C. Jacobs, CPSS

Ron Rozzelle Lot - Mountain Island Drive West

LOW-PRESSURE PIPE SYSTEM (LPP)

Design Considerations

This system is proposed for a 2.5 acre single family residential lot in a rural community of single family homes. The system is designed for a 3-bedroom home. The soil on most of the tract is unsuitable for ground absorption by a conventional system, but there is at least one area with a which has been evaluated and was judged to be provisionally suitable for a low pressure pipe system by the Mecklenburg County Health Department and Toney C. Jacobs & Associates, Inc. The repair area, should it ever be utilized, will also have to be installed as an LPP. Ample area is available for the system and the repair. Overall, the soil accepting the wastewater has a clay to clay loam texture.

An LPP distribution system was considered permittable with above criteria. A caution to the installer includes no cutting or leveling, except by fill to the surface.

Location

The approximately 2.5 acre building lot is on the left of Mt. Island Drive West, past the transmission lines, Mecklenburg County, N. C.

Reference Material

(1) *Design and Installation of Low Pressure Pipe Wastewater Treatment Systems,* by Craig Cogger, Bobby L. Carlisle, Dennis Osborne, and Ed Holland. UNC Sea Grant UNC-SC-82-03, May 1982.

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

Recommendation

Seven hundred and twenty (720) lineal feet of LPP lines with equal repair in 18" wide trenches 13" deep. LPP lines must be sleeved with 4" corrugated drain pipe.

Ownership Responsibility for an LPP System

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

(a) Provide water conserving plumbing fixtures within the facility. Waterclosets should be 1.6 gal. flush, per code. Shower heads should also have restrictions or be of low volume design. This is a voluntary action, but very important to the health department and the system designer.

(b) Develop conservative water use habits.

(c) Monitor and maintain the system as necessary for proper operation. An Operation Permit will require a maintenance contract to be filed with the Mecklenburg County Health Department. It is recommended that the owner aggressively utilize this service and requirement because of its importance to system longevity. If possible, management entity should be a part of the installation process.

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 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. Two compartment septic tank - 1500 gal.
2. Pumping tank - 1500 gal.
3. Submersible effluent pump and level controls - SSOMA certified
4. High water alarm signals which are UL approved
5. Supply pipe
6. Gate valves
7. Laterals with LPP distribution in ground absorption trenches, 18" wide, level end to end, and placed to the exact level specifications in plan. Lines must be sleeved with 4" corrugated pipe.

Construction Sequence

1. Lines have been flagged as noted on drawing.

2. Clear the area of all possible organic material with minimum soil disturbance (do not grade). Backfill any low areas with clean imported loam from off-site and tamp to surrounding compaction and look. This includes soil evaluation pits and stump holes from tree removal.

3. Install trench per cited reference material and this plan. Top grade on pipes to be "level" from end to end and vertically from manifold, and checked by sanitarian. (Note: This is a four valve designed system.)

4. All joints in lateral manifold piping shall be watertight connections to insure that the only source of the water seepage from the system is through the orifices as designed. Carefully install manifold and lateral network according to the attached designed layout. Protect valves with valve box. A larger diameter protective sleeve with cap or approved box with lid shall be placed over the

turned up lateral and positioned level with the ground surface (so as not be damaged by mowing machine). Turn-up with two 45 degree elbows, not one 90.

5. Carefully backfill manifold trenches to grade with clean fill material.

6. The installation contractor shall stabilize the area of construction by planting and mulching with Kentucky blue grass or creeping red. Another shade tolerant cover may be used if it does not hold water. Area to be limed and fertilized with 0.5 tons lime, 75 units of N, 150 units P, and 100 units of K per acre.

7. The septic tank shall consist of a 1500 gallon capacity reinforced, precast concrete tank with full baffle and shall have easy access to each chamber from ground level for inspection. The first chamber of the septic tank shall consist of 2/3 to 3/4 of the volume of the total tank and the baffle shall contain a horizontal opening across the tank at about midway its height. Locate the septic tank at such height as to provide approximately 8" of cover soil over top of the tank.

8. The dosing tank shall consist of a 1500 gallon capacity, reinforced, precast concrete tank without baffle and shall have a concrete mounting pad (concrete blocks) for accommodating the pump. Provide access for entry into the tank directly over the pump location, and extending 6' above final grade. Use a 30" diameter concrete well casing and concrete well cap or other approved type cover. There must be a seal between well tile and top of tank.

9. All piping and fitting shall be SCH 40 PVC. Glue for all PVC pipe joints shall be as recommended by the pipe manufacturer. (Note: On the distal end of each lateral turn-up should be 2 each 45 degree elbows, rather than one 90 to facilitate maintenance.)

10. Pump: The submerged pump shall be Model ME 75 manufactured by Myers, or equal, ¾hp 115v/1ph; capable of pumping 45.8 gallons per minute at a 46.6' head.

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

12. 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.

13. 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 to the outlet pipe for lifting the pump in and out of the chamber. Controls are fastened to the "tree" or 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 and adjustments.) The pump outlet pipe should be connected to the supply manifold with a threaded PVC union (or dresser coupling) to allow quick removal.

14. 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 manufacturers 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 mounted outside of the pumping chamber, a minimum of 1 foot above finished grade. The receptacle must not be located inside the pumping chamber due to the corrosive and explosive gasses that may form from the sewage. Electrical connections may be made inside the pumping tank only if wired inside a sealed, watertight box. 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 should meet State and local code requirements. A lightning arrester is recommended to protect the pump and controls from electrical surges.

15. 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 a garden hose until the liquid rises to the level of the high-water alarm float. Turn off 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.

16. Pressure Head Adjustment: The pressure head must be adjusted to match that specified in the design. The pressure head is measured as the height liquid will rise above the turn-up elbow when the pump is running. To adjust the head:

(a) Glue a 4' length of pipe (preferably clear) to a threaded adapter that will screw onto the turn-up adapters. (Call this the "test tube".)

(b) Replace the turn-up cap with the "test tube". There must be one for each line with all lines adjusted at the same time.

(c) Adjust the gate valves until the effluent reaches the desired height in the "test tube". Remember to include the distance below the ground surface to the lateral line when measuring the height. The pressure head should be as specified for each line. This is the height above the lateral where the liquid should be in the temporary "test tube".

17. Final Landscaping: After the system is installed, the following should be checked to insure that the system will not be overloaded with excess rainwater and runoff:

- The distribution field is shaped to shed rainwater and is free of low areas.

Concluding Note:

This plan was done to facilitate permitting by the Mecklenburg County Health Department as a service to the county by the property owner. Any additions, 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 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 installed with exacting measurements. Final inspection will also require more time and detail than a conventional system.

Design Specifications

Rozzelle - Mt. Island Drive West

Daily design flow:	360 gpd - 3 bedroom house
Septic tank size:	1500 gal (2 compartments)
Pumping tank size	1500 gal
Effluent loading rate:	0.10 pd/sf LPP
Total length and diameter of supply manifold:	app. 700 lf of 2" sch 40 PVC
Number and length of laterals:	See Table
Hole size:	9/64", 5/32", 11/64"
Hole spacing:	See table
Total number of holes	See table
Flow rate through the system	45.8 gpm
Elevation head:	approx. 8' pumping downhill
Pressure head:	2.0' - 3.8'
Friction head:	27'
20% over design:	7.8'
Total head:	46.6'
Pump requirements:	45.8 gpm at 46.6' of head; use Myers ME75 (¾ hp) pump or equivalent with compatible electrical
Dosing volume:	325 gal. - 1.1 doses/day at design flow
Depth of water pumped per dose:	calculated to specific tank by measure or dealer engineered specifications (1 cubic ft. of water equals 7.5 gal)
Pump run dose:	approx. 7 min.
Check valve:	No
Siphon break hole:	Yes

Rozzelle Lot - Design Specifications

Line	Color	Length (ft)	Assumed G.S. Elev. (ft)	Design Head (ft)	Hole Size (in)	# Holes	Hole Spacing (ft)	Flow per Hole (gpm)	Flow per Line (gpm)
1	White	80	96.6	2.9	9/64	10	8	0.399	3.99
2	Orange	65	97.5	2.0	5/32	8	8	0.409	3.27
3	Yellow	65	99.0	3.8	9/64	8	8	0.457	3.66
4	Red	65	99.9	2.9	5/32	8	8	0.493	3.94
5	White	65	100.8	2.0	11/64	8	8	0.495	3.96
6	Blue	65	101.6	3.7	5/32	8	8	0.556	4.45
7	Orange	65	102.3	3.0	5/32	8	8	0.501	4.01
8	Yellow	65	103.3	2.0	11/64	9	7.7	0.495	4.45
9	Orange	65	105.0	3.8	5/32	8	8	0.564	4.51
10	Yellow	60	106.1	2.7	11/64	8	7.5	0.575	4.6
11	White	60	106.8	2.0	11/64	10	6	0.495	4.95
								Total =	45.8

Dose Volume Calculation

(≈ 500' 2" PVC Supply) (16.2 gal/100') = 81 gal → ≈ 100' down net DRAIN

(≈ 200' 2" PVC from Valve Box) (16.2 gal/100') = 32.4 gal

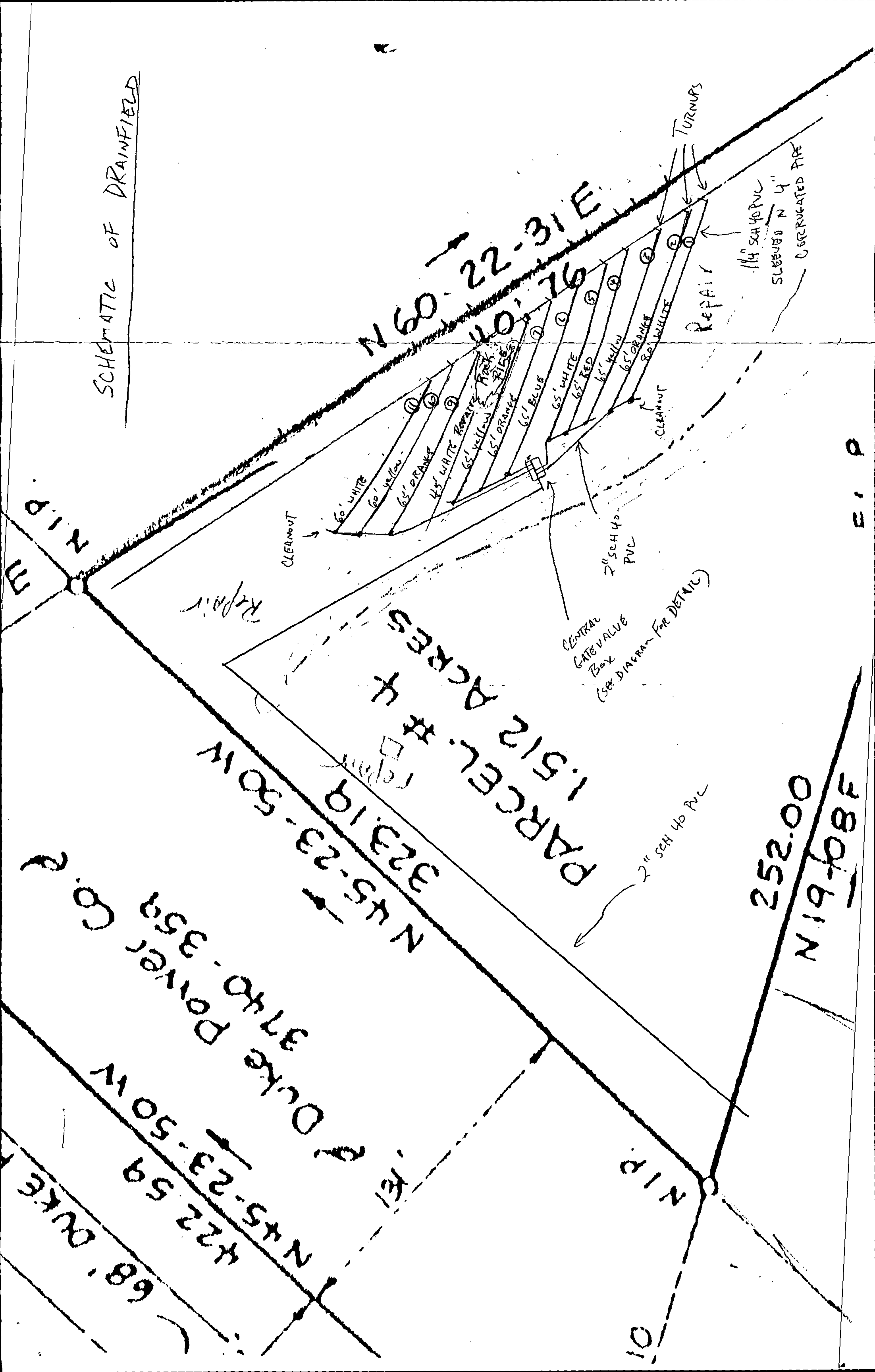
(720' 1¼" PVC) (6.4 gal/100') = 46.1 x 5

= 343.8

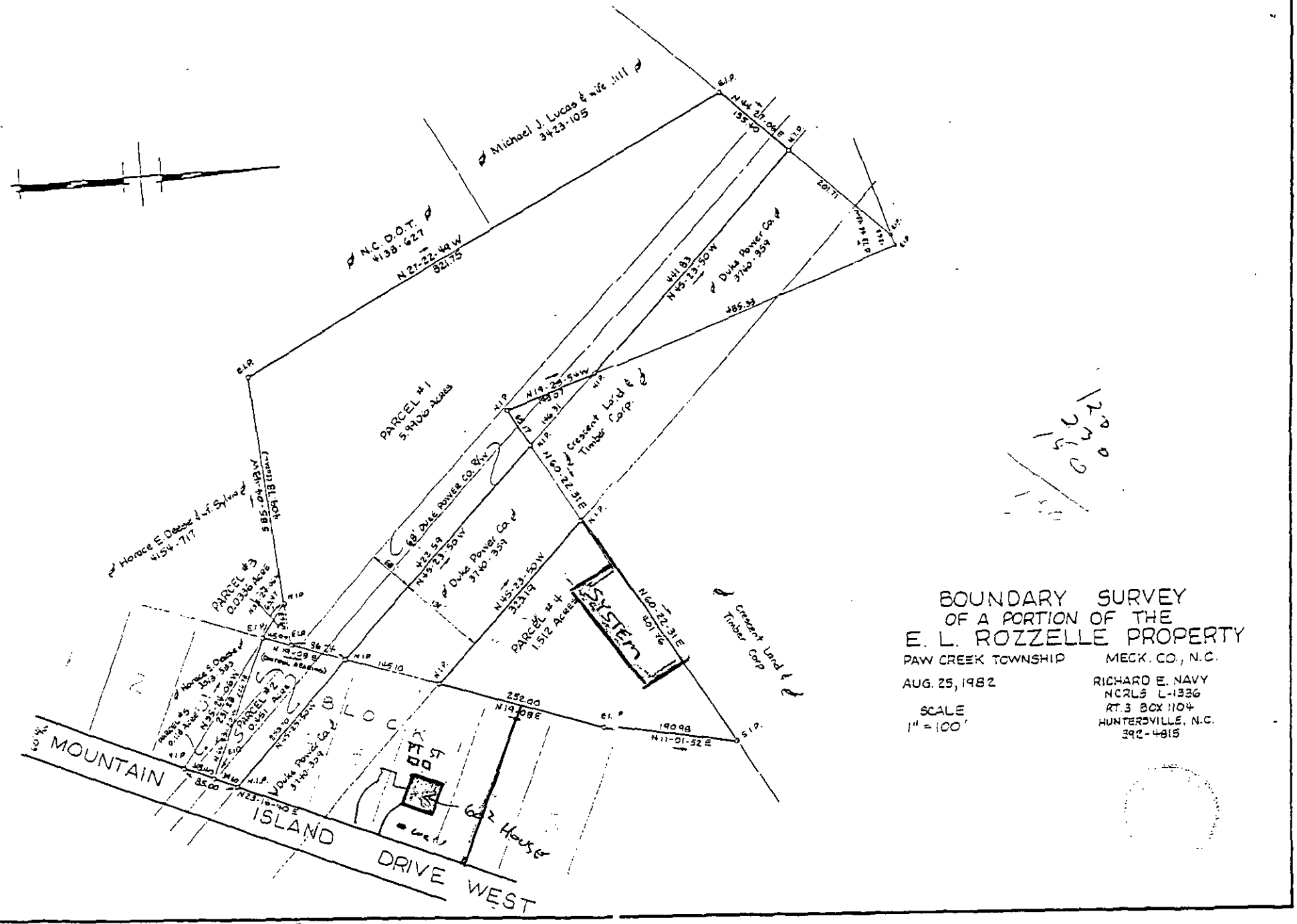
⟹ Use 325 gal Dose Volume

Friction Loss Calculation

(500' 2" PVC Supply) (4.65'/100') = 23.3 + 20% = 28'



SCHEMATIC OF DRAINFIELD
N60-22-31E
410.76
TURNUPS
1¼" SCH 40 PVC SLEEVED N 4" CORRUGATED PIPE
REPAIR
60' WHITE
60' YELLOW
65' ORANGE
45' WHITE REPAIR
ROCK RIDGE
65' YELLOW
65' ORANGE
65' BLUE
65' WHITE
65' RED
65' YELLOW
65' ORANGE
80' WHITE
CLEANOUT
CLEANOUT
2" SCH 40 PVC
CENTRAL GATEVALVE BOX (SEE DIAGRAM FOR DETAIL)
Repair
PARCEL #4
1.512 ACRES
N45-23-50W
323.19
2" SCH 40 PVC
252.00
N19-08E
N.I.P.
N.I.P.
E.I.P.
Duke Power Co.
3146-359
N45-23-50W
422.59
68' Duke
10'



BOUNDARY SURVEY
OF A PORTION OF THE
E. L. ROZZELLE PROPERTY

PAW CREEK TOWNSHIP MECK. CO., N.C.

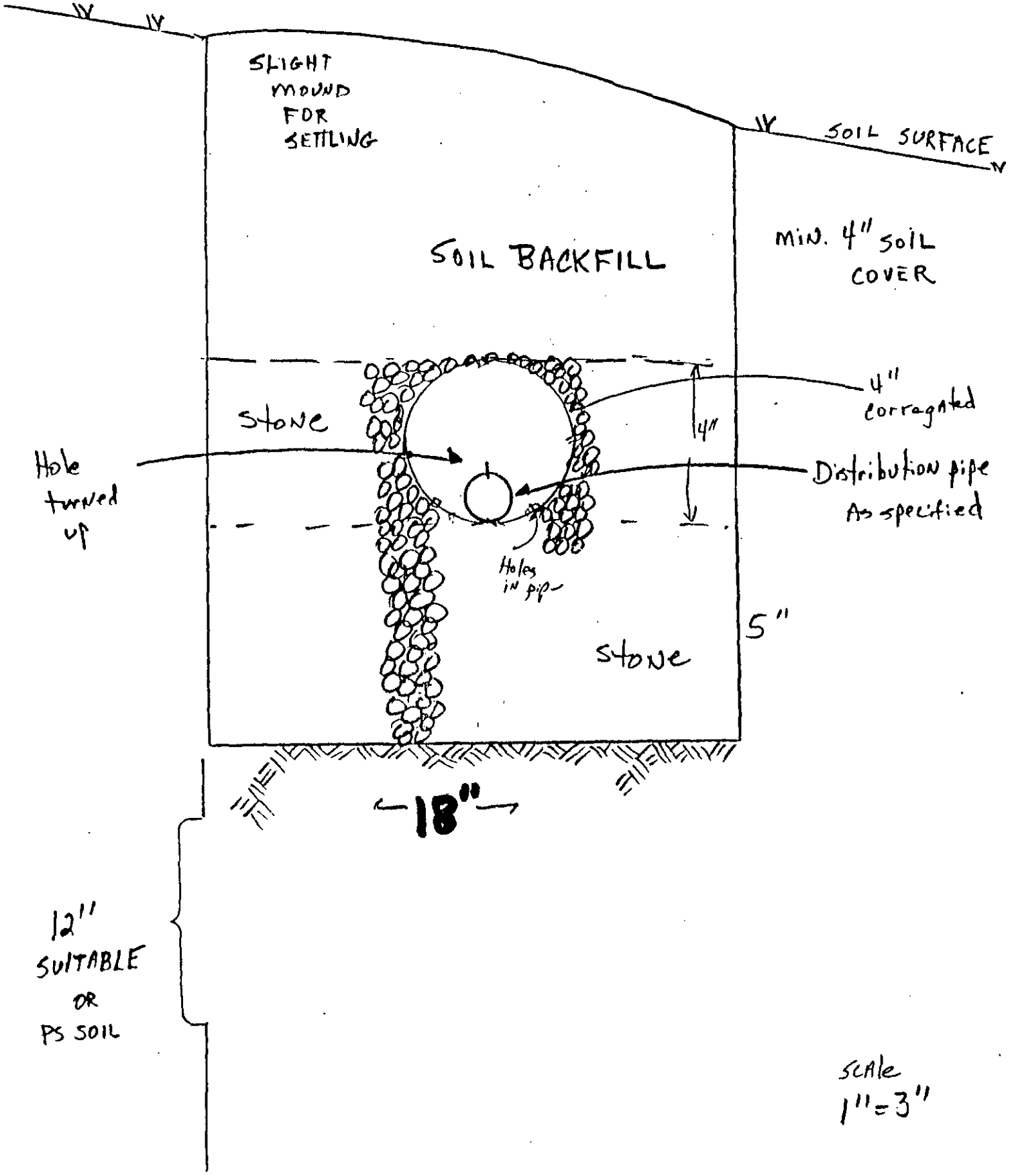
AUG. 25, 1982

SCALE
1" = 100'

RICHARD E. NAVY
NCRLS L-1336
RT. 3 BOX 1104
HUNTERSVILLE, N.C.
392-4815

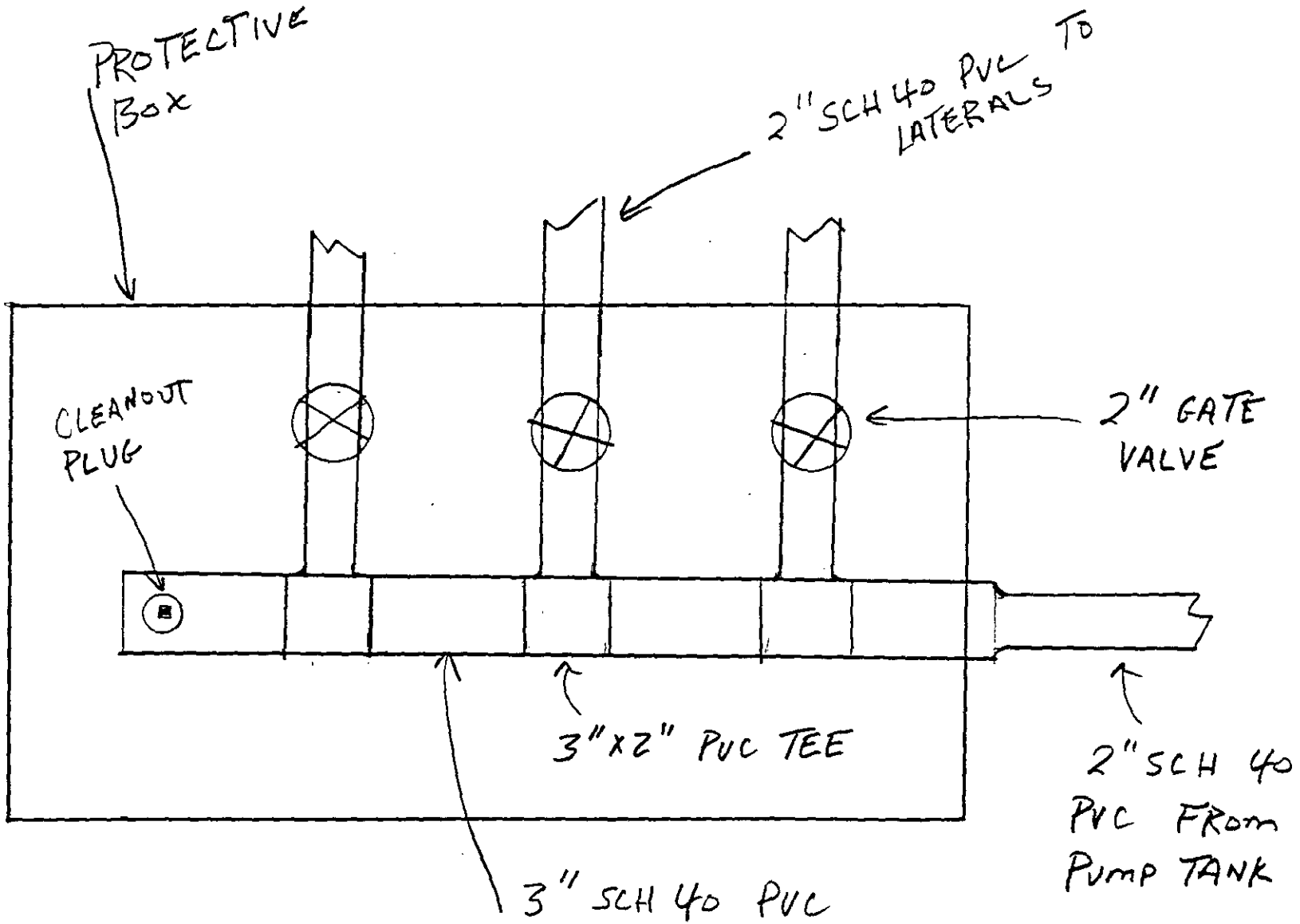
LPP Trench Design

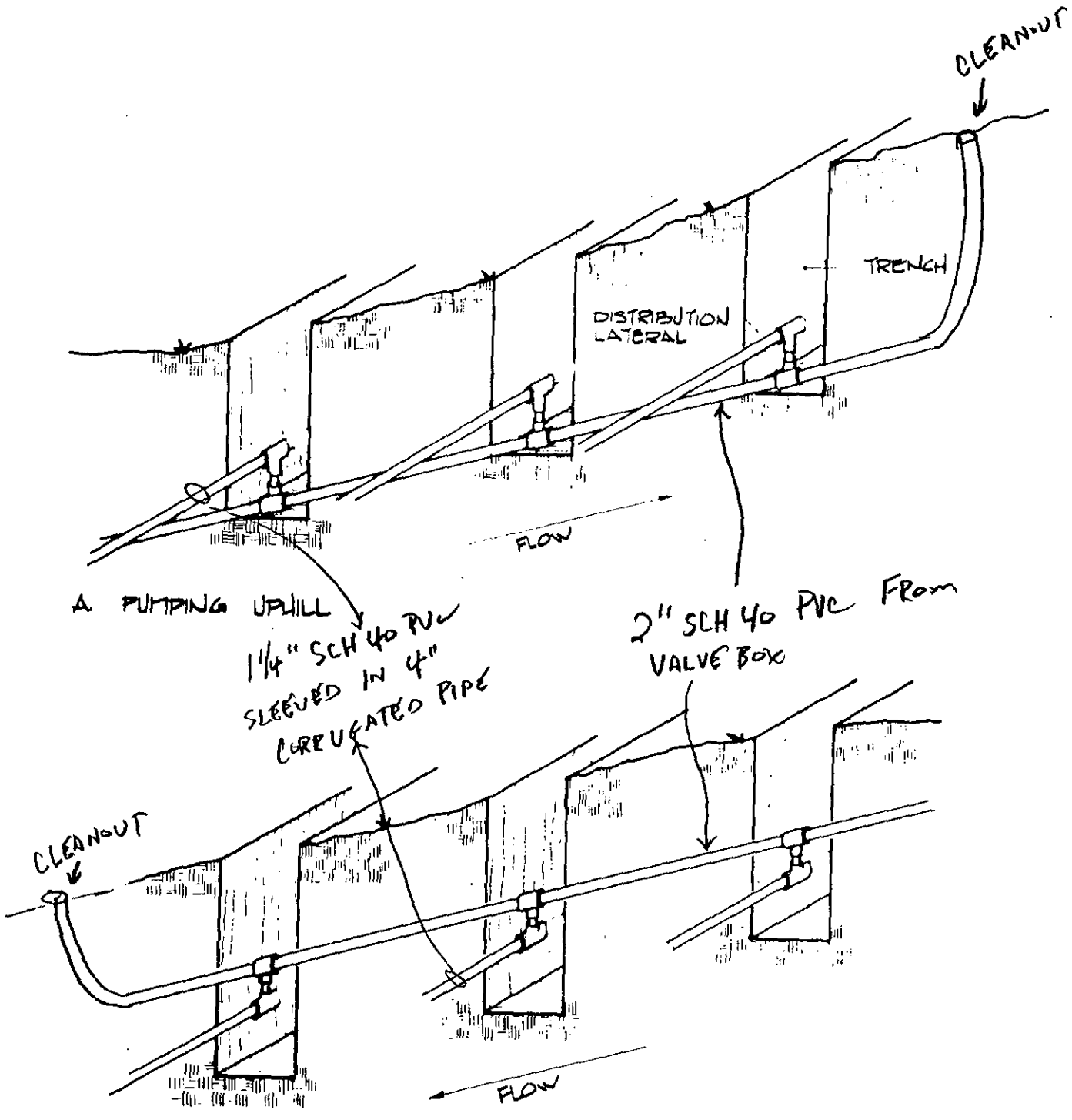
typical



scale
1" = 3"

CENTRAL VALVE BOX DETAIL

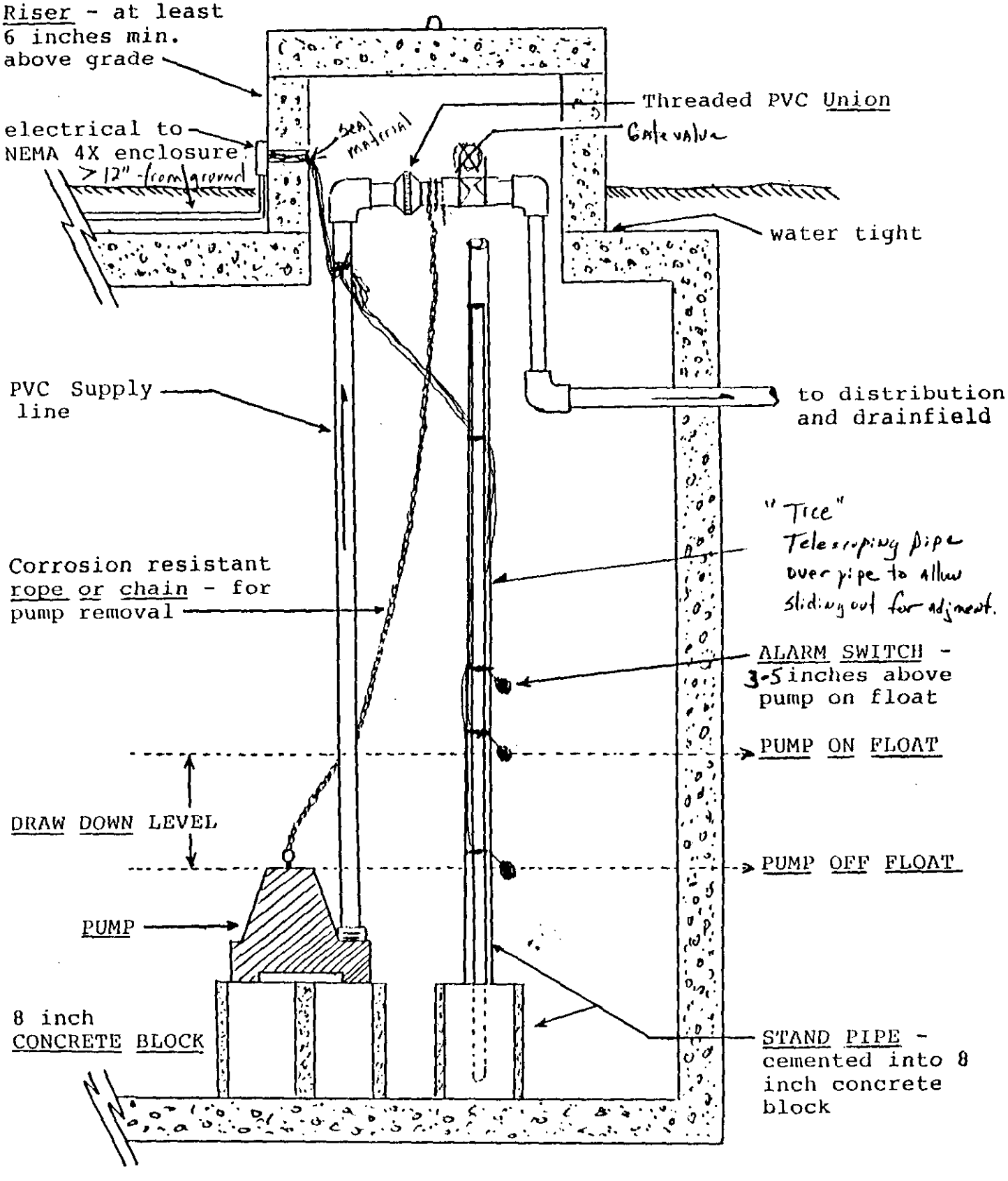


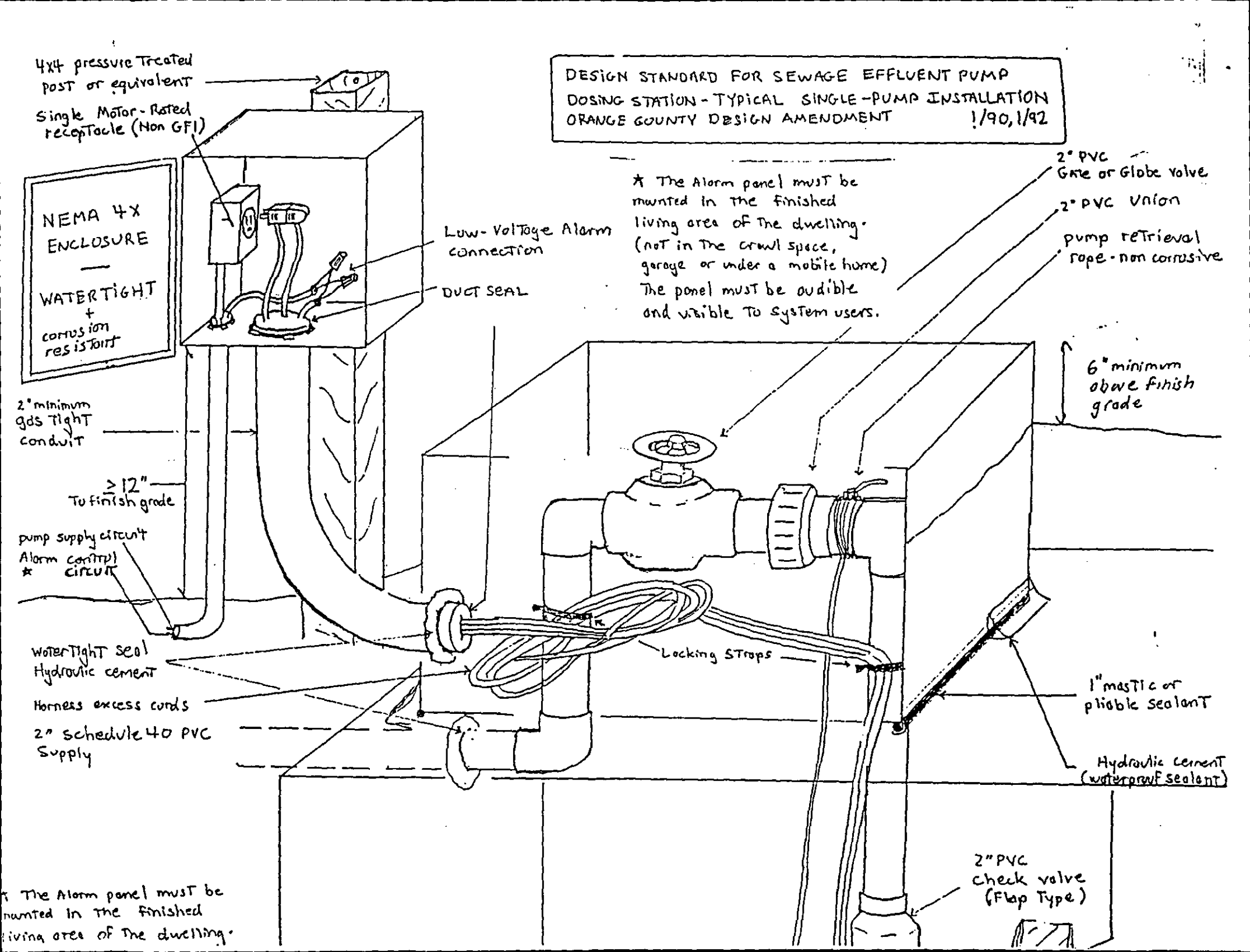


(from Cogger et al., 1982)

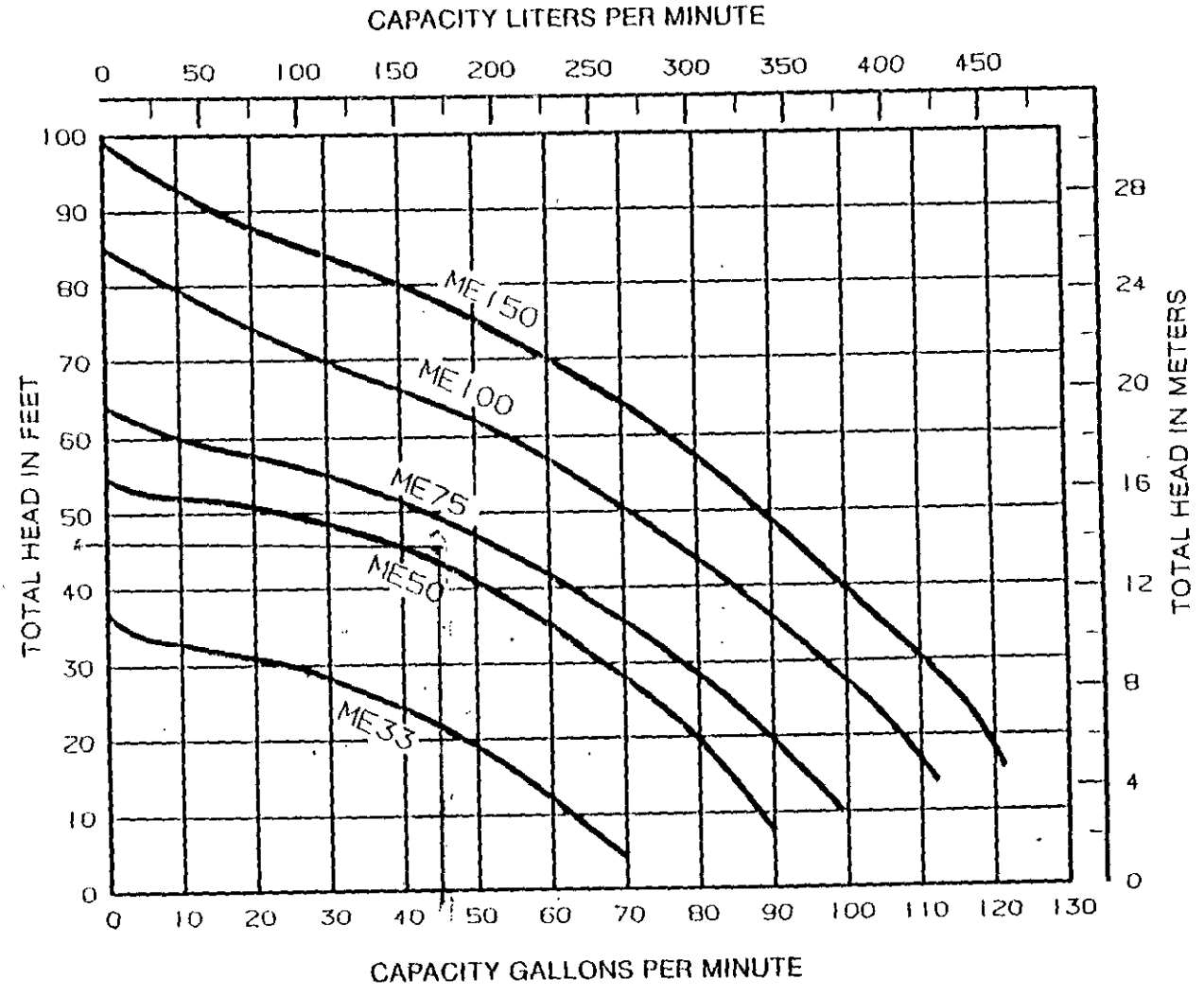
Figure 10. Manifold placement on slopes

PUMP DIAGRAM




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.

ME Series
1/3 through 1-1/2 HP
Effluent Pumps
Performance Curve



F.E. Myers, A Pentair Company • 1101 Myers Parkway, Ashland, Ohio 44805-1923
419/289-1144 FAX 419/289-6658 Telex 98-7443

K3327 7/91

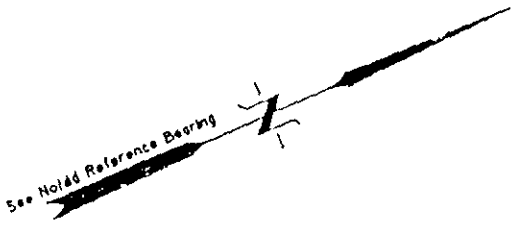
Printed in U.S.A.

720
740
700
660
ISLAND RD
758.5
748.4

EXHIBIT A

THIS IS TO CERTIFY THAT ON THE 23rd DAY OF MARCH 19 87 I, SURVEYED THE PROPERTY SHOWN ON THIS PLAT AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY ARE SHOWN HEREON

SIGNED _____
REGISTERED SURVEYOR





E.L. ROZZELLE

N 19-08 E
Reference Bearing
(from MB 7 page 481)

EIP N 19-14-04 E 73.44' EIP 49.98' NIP N 19-07-09 E 49.98' EIP N 19-03-21 E 78.65' EIP

DUKE POWER COMPANY

N 45-23-50 W 264.92'

5 6 7 8

Original Lot Line

Original Lot Line

Revised Lot Line

S 66-45-04 E 255.74'

0.984 AC.

NIP 69.85' N 23-20-29 E EIP 99.83' N 23-19-05 E EIP 49.90' NIP 49.90' EIP
N 23-17-04 E

MOUNTAIN ISLAND DRIVE WEST 60' R/W

TCJ CONSULTING

SITE / SOIL EVALUATION

JOB: Ken Royal 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:

Surface ponding/flat

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
LANDSCAPE POSITION-%				
HORIZON I DEPTH	0-30 APB	do #1	0-12	0-4
Color - Munsell	mplsd		dk br	dk br
Texture	ls-sl-l-scl		scl	gr
Structure	4B, 2f		g	g
Consistence	fri/fi		fri	fri
	7.1 decomp			
Boundary				
HORIZON DEPTH II	30-56		12-36	8-30
Color - Munsell	HWR		mplsd	mplwhbl
Texture	c-scl-sicl		c-scl	cl
Mottles				
Structure	m-RC		2f	VW f SAB
Consistence			fri/fi	fri
Boundary				
HORIZON III DEPTH			36-54	30-56
Color - Munsell			sap	sap+HWR
Texture			scp	cl
Mottles				
Structure				
Consistence				
Boundary				
HORIZON IV DEPTH				
Color - Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
SOIL WETNESS				
RESTRICTIVE HORIZON				
SAPROLITE				
LTAR	.2	.2	.2	.2
CLASSIFICATION	limited ppLPP	limited ppLPP	LPP	ps LPP

#4 3b 4b 2:1

#2 25%2:1

5 & 7

#2

#4

3

2

0

Flood

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

TCJ CONSULTING

SITE / SOIL EVALUATION

JOB:_____ PHONE:_____ DATE:_____

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

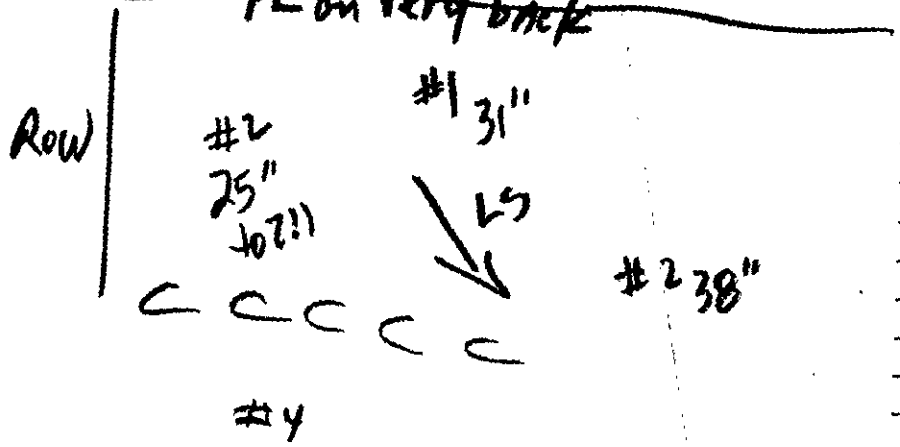
PROPOSED FACILITY:_____ WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut_____

WEATHER: _____ ANTECEDENT MOISTURE:_____ SURFACE WATER: _____

FACTORS	PROFILE 5	PROFILE 6	PROFILE 7	PROFILE
LANDSCAPE POSITION-%	LS S~	LS		
HORIZON I DEPTH	0-38 A-E-W-U	0-25 A-E-W-U	0-31	
Color - Munsell	4/1	3/1	Brown 4/3	
Texture	scl	cl / sicl	cl	
Structure	MAR + SAB		W/ MAR + SAB	
Consistence	fri			
Boundary				
HORIZON DEPTH II	28-56	25-36		
Color - Munsell	Mottle	yellowish brown		
Texture	cl	c		
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				

Bill's Auger Holes w/ Notes

~~PL on very brief~~



LEGEND

LANDSCAPE POSITION
R - Ridge
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
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efi - extremely firm

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

JUDITH A GIBSON REG OF DEEDS MECK NC
FILED FOR REGISTRATION 08/28/97 14:10
BK: 09225 PG: 0994/0996 #:0371 13.05

FILE COPY

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 6473A
PARCEL # 023-127-13,14

The undersigned, RON ROZZELLE, owner of property located at MOUNTAIN ISLAND DRIVE WEST, (the "site") and described in an instrument recorded in Book 23 at Page 12, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following conditions will apply to the site:

- Any changes on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation.

This instrument was prepared by: RON ROZZELLE
Mail after recording to: P.O. Box 7
SAXAPAHAW, NC 27340

- Do not grade, cut, fill, pave, construct a building or deck, dig a well, install a swimming pool or otherwise cover or disturb the soil (except for planting and maintaining grass or other ground covers) in a manner which will adversely affect the repair area or area where the septic tank system is located.

- When a private certified operator is required, no improvement permit for the designated repair shall be issued unless there is a private certified operator to carry out this management program in the service area where the proposed system is to be located. (Refer to Rule .1961, "Maintenance of Sewage Systems," for further information.)

- Additional fees will be required according to the Mecklenburg County user fee schedule applicable at the time for the issuance of a repair permit for any subsequent repairs to the sewage treatment and disposal system or for installation of a replacement system.

- At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulations in effect at that time will govern the repairs or installation of a replacement system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees, and officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatsoever arising out of the installation, operation, or failure of said septic tank system.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in the name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons claiming any right, title, or interest in the site.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, this 28 day of AUGUST, 1997.

_____ (Corporate Name)

By: _____

_____ President

ATTEST:

_____

_____ Secretary

(Corporate Seal)

Ron Rozzelle (SEAL)

RON ROZZELLE (SEAL)

_____ (SEAL)

_____ (SEAL)

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

I, MaryAnn Whalen, a Notary Public for said County and State, do hereby certify that RON ROZZELLE personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 28th day of August, 1997.

MaryAnn Whalen
Notary Public

My Commission Expires:
10-13-2000

MARY ANN WHALEN NOTARY PUBLIC MECKLENBURG COUNTY, N.C.

Mecklenburg County
Health Department

January 8, 1997

Mr. Ronny Rozzelle
P.O. Box 7
Saxapahaw, NC 27340

Re: Mountain Island Dr. West
File: 6473A
Parcel: 023-127-13,14

Dear Mr. Rozzelle:

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is **UNSUITABLE** under Rules .1941 **SOIL CHARACTERISTICS (MORPHOLOGY)**, .1943 **SOIL DEPTH** and .1945 **AVAILABLE SPACE**. For these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

> A site classified as **UNSUITABLE** may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified as **PROVISIONALLY SUITABLE** if the local health department determines that the substantiating data indicate that:
> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
> (2) the effluent will not contaminate ground or surface water; and
> (3) the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

The State shall review the substantiating data if requested by the local health department.

Please be advised that you have the right to an informal review by this department. You also have the right to appeal under G.S. 130A-24, and to have the appeal held in Mecklenburg County.

If you have any questions regarding this matter, please call me at 336-5575.

Sincerely,

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems

Mecklenburg County
Health Department

Ronny Rozzelle
P.O. Box 7
Saxapahaw NC 27340

Re: Mountain Island Dr West
File: 6473-A
Parcel: 023-127-13, 14

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is UNSUITABLE under Rules

for these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

> A site classified as UNSUITABLE may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified as PROVISIONALLY SUITABLE if the local health department determines that the substantiating data indicate that:
> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
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If you have any questions regarding this matter, please call me at 336-5575.

Sincerely,

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems

. 1941 SOIL CHARACTERISTICS (MORPHOLOGY), . 1943 SOIL DEPTH, . 1945 AVAILABLE SPACE

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

Sheet ___ of ___
PROPERTY ID #: [illegible]
COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

3 6473A
023-127-13, 141

OWNER: Ronny B. Rozzelle
ADDRESS: PO Box, Hiddenite, N.C.
PROPOSED FACILITY: residence
LOCATION OF SITE: Mountain Island Lake Acres
APPLICANT: ___
APPLICATION DATE: ___
PROPOSED DESIGN FLOW (.1949): 360gpd
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

DATE EVALUATED: ___
PROPERTY SIZE: 2.15
PROPERTY RECORDED: ___

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS	0-9"	gr/sc/	Fr/sExPl ss/sp	>31" To Chroma 2 colors	31"	N/A	None	US
		9-31"	sBK/c	Fi-VFi/ExP/us/up					
2	LS	0-6"	gr/sc/	Fr/sExPl ss/sp	>28" To Chroma 2 colors	28"	N/A	None	US
		6-28"	sBK/c	Fi-VFi/ExP/us/up					
3	LS	0-5"	gr/sc/	Fr/sExPl ss/sp	>25" To Chroma 2 colors	25"	N/A	None	US
		5-25"	sBK/c	Fi-VFi/ExP/us/up					
4	LS	0-4"	gr/sc/	Fr/sExPl ss/sp	>36" To Chroma 2 colors	36"	N/A	None	US
		4-32"	sBK/c	Fi-VFi/ExP/us/up					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W. A. Merlin 12-29-96
OTHER(S) PRESENT: LSS

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

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

6473A

OWNER: _____ APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFIL CLASS & LTAF
5	LS	0-6"	gr/sc/	Fr/sEXP/SS/SP	>32" TO chroma 2 colors	32"	N/A	None	US
		6-32"	sa/l/c	Fi-VFi/sEXP/SS/SP					
6	LS	0-7"	gr/sc/	Fr/sEXP/SS/SP	>30" TO chroma 2 colors	30"	N/A	None	US
		7-30"	sa/l/c	Fi-VFi/EXP/SS/SP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: 1002 Repair

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR	LPP .1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
C (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
V (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
(Drainage Way)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3	EXP (Expansive)	CR (Crumb)
S (Debris Slump)		L (Loam)				GR (Granular)
P (Flood Plain)						SBK (Subangular Blocky)
S (Foot Slope)	III	SI (Silt)	0.6 - 0.3	0.3 - 0.15		ABK (Angular Blocky)
(Head Slope)		SICL (Silty Clay Loam)				PL (Platy)
(Linear Slope)		CL (Clay Loam)				PR (Prismatic)
(Nose Slope)		SCL (Sandy Clay Loam)			MOIST	WET
(Ridge)		SUC (Silt Loam Clay)				
(Shoulder Slope)					VFR (Very Friable)	NS (Non-sticky)
(Terrace)	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SIC (Silty Clay)			FI (Firm)	S (Sticky)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

OTES

ORIZON DEPTH In inches below natural soil surface

EPTH OF FILL In inches from land surface

ESTRICTIVE HORIZON Thickness and depth from land surface

PROLITE S(suitable) or U(unsuitable)

OIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

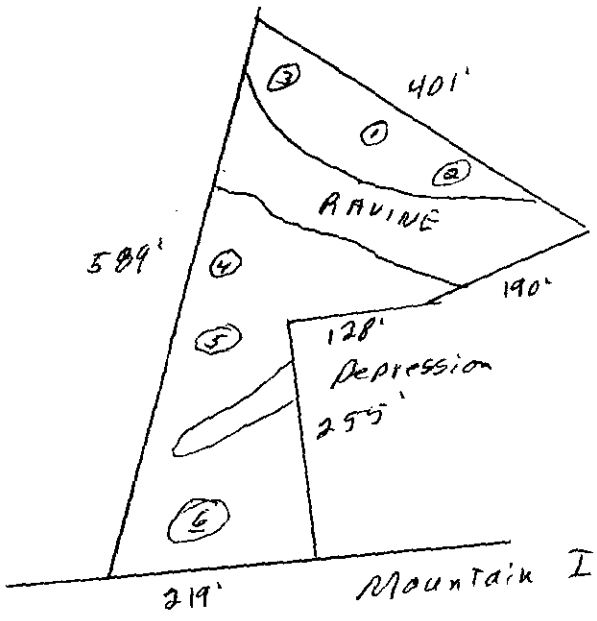
LASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.

ong-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).

6473A



FEE: 100.00 CK 1975

DATE: 12-19-96

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

[ ] CRT

TYPE APPLICATION: * NEW SYSTEM __ 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 #: 6473A

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 023-127-14 & 023-127-13

STREET ADDRESS: MOUNTAIN ISLAND DRIVE WEST

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TOWNSHIP (CHECK ONE):

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

CLOSING DATE_____

TYPE OF BUILDING (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 2,250

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 4

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: ROZZELLE RONNY B.
(LAST) (FIRST) (MI)

ADDRESS: P.O. Box 7

CITY: SAXAPAHAW, STATE: NC 27340 ZIP:

DAYTIME PHONE: (910) 376-8052

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: Ronny B. Rozzelle DATE: 12-19-96

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



PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 6473A

TC: 023-127-4 & 023-127-13

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"

OWNER/AGENT SIGNATURE

DATE

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 6473A

TC: 023-127-4 & 023-127-13

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"

OWNER/AGENT SIGNATURE

DATE

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

Mecklenburg County
Health Department

February 8th, 1990

Edward L. Rozzelle
10201 Rozzelle's Ferry Rd.
Charlotte, NC 28208

RE: Property located at Island Lake View
FILE: 6473A
PARCEL: 023-127-13

Dear Sir:

At your request a soils investigation was conducted on the property designated above. Results of this investigation showed the site to be classified as UNSUITABLE under criteria as set forth in Section .1900 of the North Carolina Administrative Code, Title 10, Department of Human Resources, Chapter 10, Division of Health Services; Sanitary Engineering Section, Subchapter 10A, Sanitation. A copy of the Site Evaluation Report (Serial Number 17584) is enclosed.

The soil on this property is not suitable for use with any conventional, modified or alternative system of which I am aware. If you wish to exercise your right of appeal concerning the interpretation and enforcement of these rules you may do so in accordance with G.S. 150B and 10 NCAC 1B.

If I can be of assistance, please do not hesitate to call.

Very truly yours,

Gene Vaughan, R.S., Supervisor
On Premises Waste Disposal & Water Supply

Enclosure

Environmental Health Division
1200 Blythe Boulevard • Charlotte, North Carolina 28203 • (704) 376-4603

MECKLENBURG COUNTY HEALTH DEPARTMENT
SITE EVALUATION REPORT
SERIAL NUMBER 17584

File: 6473A Action 3

Parcel: 023-127-13 ☐ PC

Location: Island Lake View

Subdivision:

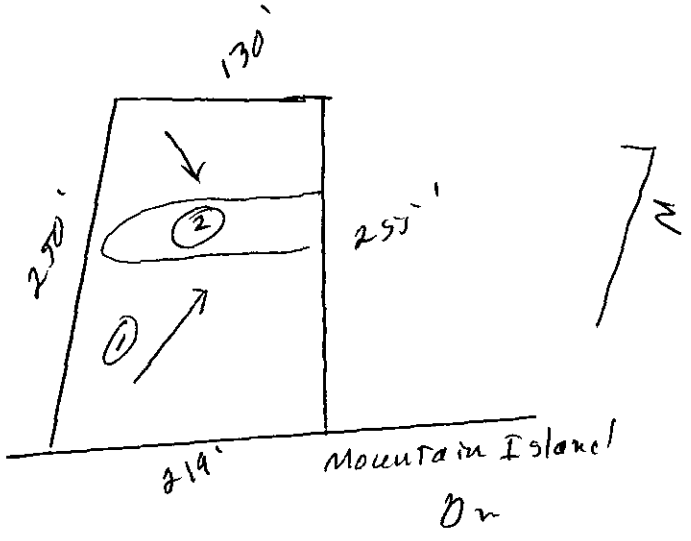
Lot: Block: Acres: 1.0

Owner:
Address: Edward L. Rozzelle
10201 Rozzelle's Ferry Rd.
Charlotte, NC 28208

Comments: _____

Described by: William R. Marlin

Date: 2-7-90



***** EVALUATION KEY *****

S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	(S) PS U 6-12%	S PS (U) Depression	S PS U	S PS U	S PS U	S PS U
Texture	S PS (U) Mixed 2-1 clay	S PS U —	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U Blocky	S PS U —	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U 7-36" To water	S PS U —	S PS U	S PS U	S PS U	S PS U
Depth	S PS (U) 21-26"	S PS U —	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U 7-36"	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S (PS) U	S PS U —	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	Mecklenburg-like Expansive clay	Depression				
Area Classification	S PS (U)	S PS (U)	S PS U	S PS U	S PS U	S PS U

MECKLENBURG COUNTY HEALTH DEPARTMENT
SITE EVALUATION REPORT
SERIAL NUMBER 17584

File: Action _____

Parcel: ☐ PC

Location:

Subdivision:

Lot: Block: Acres:

Owner:
Address:

Comments: _____

_____

_____

_____

Described by: _____

Date: _____

***** EVALUATION KEY *****

S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series						
Area Classification	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U

APPLICATION FOR SOIL INVESTIGATION

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH ·

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

023 P12

(OFFICE USE ONLY)

FILE: 61-73A

TC: 023-127-13

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: Twin Island Est. Lake View Lot # 6 & 7

② SUBDIVISION: Charlotte N.C. ③ LOT: # ④ BLOCK: 1

⑤ PARCEL REFERENCE: BOOK NO.: 7 PAGE NO.: 481 PARCEL NO.:

⑥ DEED REFERENCE: BOOK NO.: PAGE NO.:

OWNER

⑦ NAME: Edward L Rogers (FIRST) (MIDDLE) (LAST)

⑧ MAILING ADDRESS: 10201 11 Twin Rd

⑨ CITY: Charlotte ⑩ STATE: N C ⑪ ZIP: 28214

⑫ PHONE: (WORK) (HOME) 399-6863.

⑬ Accurately diagram and dimension lot.

Lot # 6 and
½ of # 7

150 X 258

Road

Four test pits on Left Past
21" Exp
Power Line.
25"
Soil Test.

Twin Island Dr. West. on
Twin Island Dr. Past Landing
Way 150 straight down Past Landing

023-127-15

023-123-06

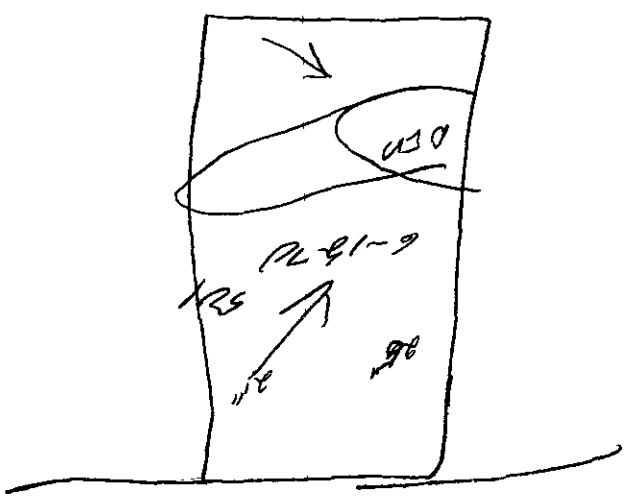
For septic tank

⑭ 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 DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: E. L. Rogers

Date: 10201 11 Twin Rd
Charlotte N. C.

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY



MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

CHARGE SLIP

Date: 1/29/90

Name/Company: E. L. Rozelle

10201 Fairview Road Charlotte

Phone # 604-311-78-11

Sanitation _____

Vector Control _____

O.P.W.D. ✓

Service: Soil Test

Mountain Island Lake View

1 AC

MECK. COUNTY
HEALTH D. TMENT
ENVIRONMENTAL HEALTH DIVISION
PAID
JAN 29 1990

File # 6473A

Fee: 40.00 Ck # 0 Counter Cash $40.00

NOTICE:

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

Soil Test
Completed by

Collected by

E. L. Rozzelle

Mrs. Abernathy
Health Dept.

Inclosed for $40.00
Septic tank site Inspection
on outer Island Drive
West - Have stob drove
up on lot wanted.
Lot 6 and ½ of Lot 7
Block 1 mountain Island
(PB 7-481) Lake View
Meck. Co.

RECEIVED
MECKLENBURG COUNTY
HEALTH DEPT.
JAN 29
ENVIRONMENTAL HEALTH
DIVISION

Thanks
E L Rozzelle

APPLICATION FOR SOIL INVESTIGATION

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH ·

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 6473A

TC: _____

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: Mtn Island ~~Dr.~~ Lake View Lot #6 and 7

② SUBDIVISION: Charlotte N. C. ③ LOT: # ~~[illegible]~~ ④ BLOCK: 1

⑤ PARCEL REFERENCE: BOOK NO.: 7 PAGE NO.: 481 PARCEL NO.: _____

⑥ DEED REFERENCE: BOOK NO.: _____ PAGE NO.: _____

OWNER

⑦ NAME: Edward L. Rozzelle
(FIRST) (MIDDLE) (LAST)

⑧ MAILING ADDRESS: 10201 11 Hwy Rd

⑨ CITY: Charlotte ⑩ STATE: N. C. ⑪ ZIP: 28214

⑫ PHONE: (WORK) ~~[illegible]~~ (HOME) 399-6863

⑬ Accurately diagram and dimension lot.

Lot # 6 and
½ of # 7

~~[illegible]~~ 150 X 252

Power Line

Look for Stob on Left Past Power Line

Soil Test

Mtn Island Dr. West. on Mtn Island Dr. West. on way to Shuffletown Boat Landing

For Septic tank

⑭ 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 DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: E. L. Rozzelle

Date: 10201 11. Hwy Rd. Charlotte N. C

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

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY