MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1200 BLYTHE BOULEVARD
CHARLOTTE, NORTH CAROLINA 28203

SIR. NO. 19448
T. C. NO. PO 225-041-11
DATE: 3-30-83

Mr. Reginald S. Wallace
5807 E. Sharon Road
Charlotte, NC 28210

Re: Property located at Elm Lane West

Dear Mr. Wallace:

At your request, a field investigation was conducted on the property designated above and was classified unsuitable for the installation of a ground absorption sewage disposal system. A copy of the site evaluation report is enclosed for your information.

Sites classified as unsuitable may be utilized for soil absorption disposal systems provided engineering, hydrogeologic, soil and environmental studies indicate that a suitable septic tank system or a suitable alternate system can be reasonably expected to function satisfactorily.

Should you desire to file for permission to install an alternate system, please submit your proposals, in the form of plans and specifications, to this office. They will be reviewed and if it is found that the system may be reasonably expected to function satisfactorily, approval will be given upon the execution by you of a "Septic Tank Agreement Form" provided by this office.

If I may be of assistance, please feel free to call at any time.

Sincerely,

Mike Sexton

Michael A. Sexton
Environmentalist
On Premises Waste Disposal Section

Enclosure

EHD #37 (11-82)

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 19448

T.C. NO. P0225-041-11

(Ground Absorption Sewage Disposal)

OWNER: Reginald Steven Wallace
ADDRESS: 5407 L SHARON Rd 28210

PLAT NO:
LOT SIZE: 1+

LOCATION OF SITE: Providence Rd West

Lot 9

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U — 2-4	S (PS) U — 0-5	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS (U) — Mixed Clay	S PS (U) — Mixed Clay	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS (U) — Light Blocky	S PS (U) — weak Blocky	S PS U	S PS U
4. SOIL DEPTH (inches)	S PS (U) — 24-35"	S PS (U) — 10-20"	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS (U) — Saprolite	S PS (U) — Clyd Saprolite	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS (U) — Medium Toplow	S PS (U) — Slow	S PS U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	IVb	IVb		
9. SITE CLASSIFICATION	Unsuitable	Unsuitable		
10. SOIL SERIES	Mecklenburg	Mecklenburg Iredell		

S - Suitable PS - Provisionally Suitable U - Unsuitable

**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas. wells, water bodies, slopes)

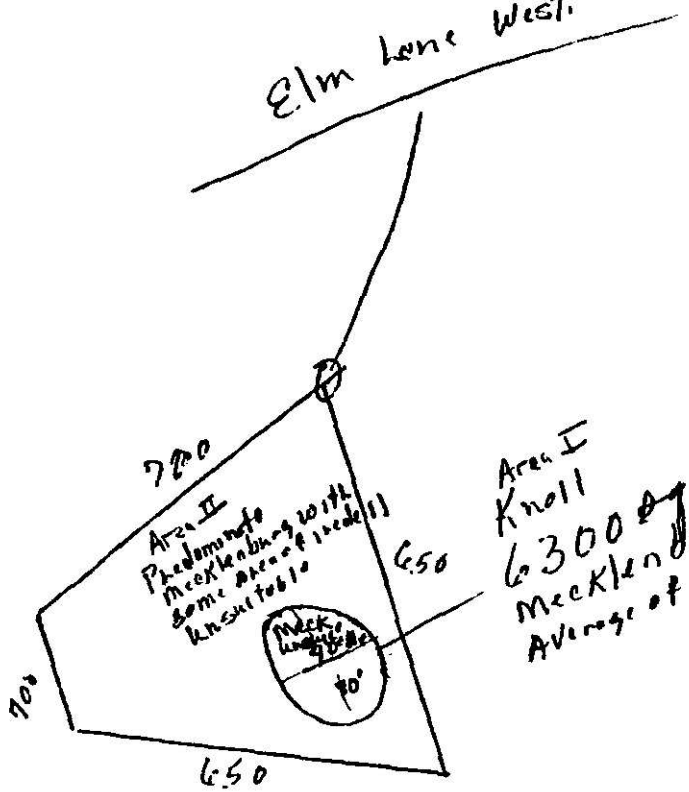
Recommendations/Comments:

Described by: William B. Nimmer
Title: Soil Scientist

Date: 3-23-86

EHD 539 (Revised: 6/82)

3


Elm Lane West.
700
Area II
Predominate
Mecklenburg with
some Area of Iredell
Unsuitable
650
70'
650
Area I
Knoll
6300 sq ft. of A
Mecklenburg-Depth
Average of 30.

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 19448

More land Added To Get Repair Area. 12" soil over 24" in Depth.
(Ground Absorption Sewage Disposal)

T.C. NO. PO 225-041-11

OWNER: Reginald Steven Wellece
ADDRESS: 5307 E. Sharon Rd

PLAT NO:
LOT SIZE: IIA + 3A

LOCATION OF SITE: Providence Rd West
Lot #9 + 3A

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-4	S (PS) U 2-6	S (PS) U 2-6	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS (U) Mixed Clay	S PS (U) Mixed Clay	S PS (U) Mixed Clay	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS (U) Weak Blocky	S PS (U) Weak Blocky (Massive)	S PS (U) Weak Blocky	S PS U
4. SOIL DEPTH (inches)	S PS (U) 25-30"	S PS (U) 10-20"	S PS (U) 10-15"	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS (U) Saprolite At 30"	S PS (U) Clay & Saprolite	S PS (U) Saprolite	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS (U) Moderately To Slow	S PS (U) Slow	S PS (U) Slow	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	IVe	IVe	IVe	
9. SITE CLASSIFICATION	Unsuitable	Unsuitable	Unsuitable	
10. SOIL SERIES	Mecklenburg	Iredell	Shallow Mecklenburg	

S - Suitable PS - Provisionally Suitable U - Unsuitable

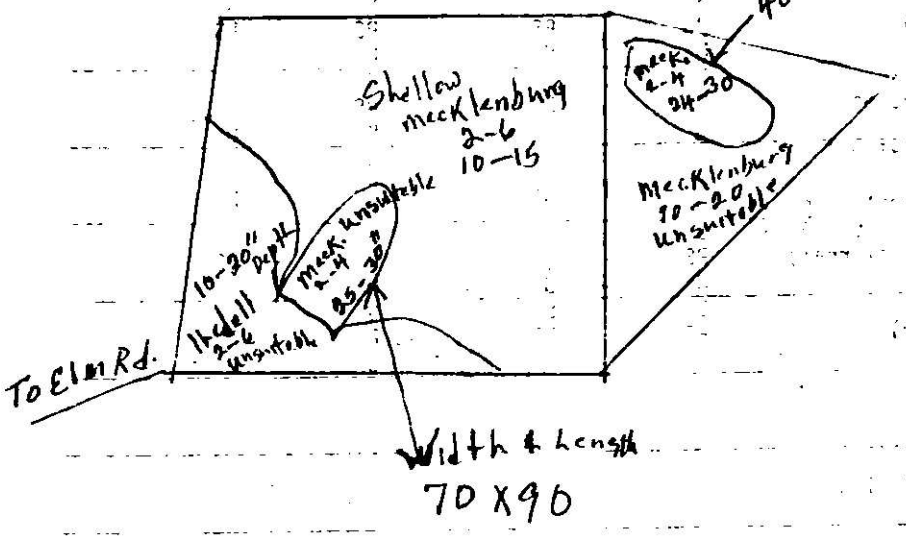
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: W. B. Ramsey
Title: Sanitarian

Date: 4-29-83

EHD 539 (Revised: 6/82)


40' X 100'
Shallow
mecklenburg
2-6
10-15
mecklenburg
10-20
unsuitable
10-30" depth
Iredell
2-6
unsuitable
To Elm Rd.
Width & Length
70 X 90

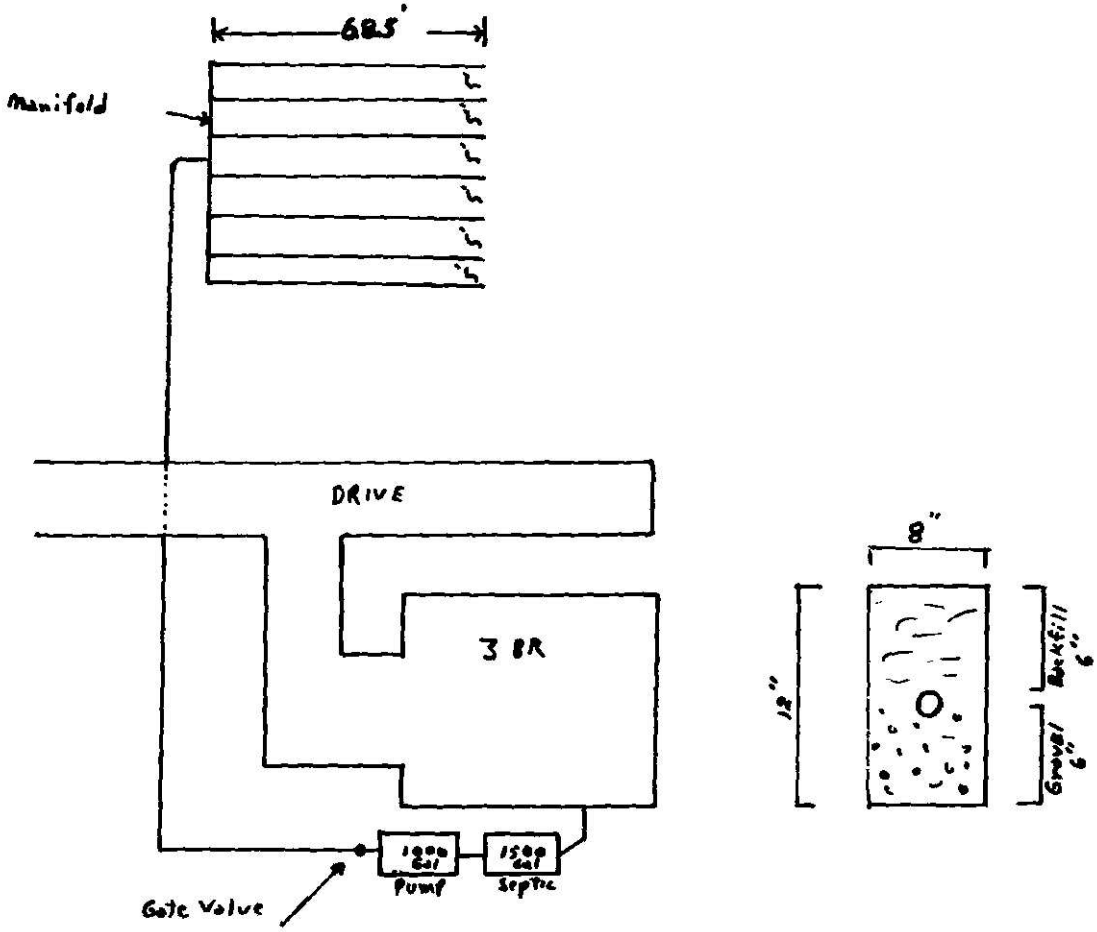
Design Specifications

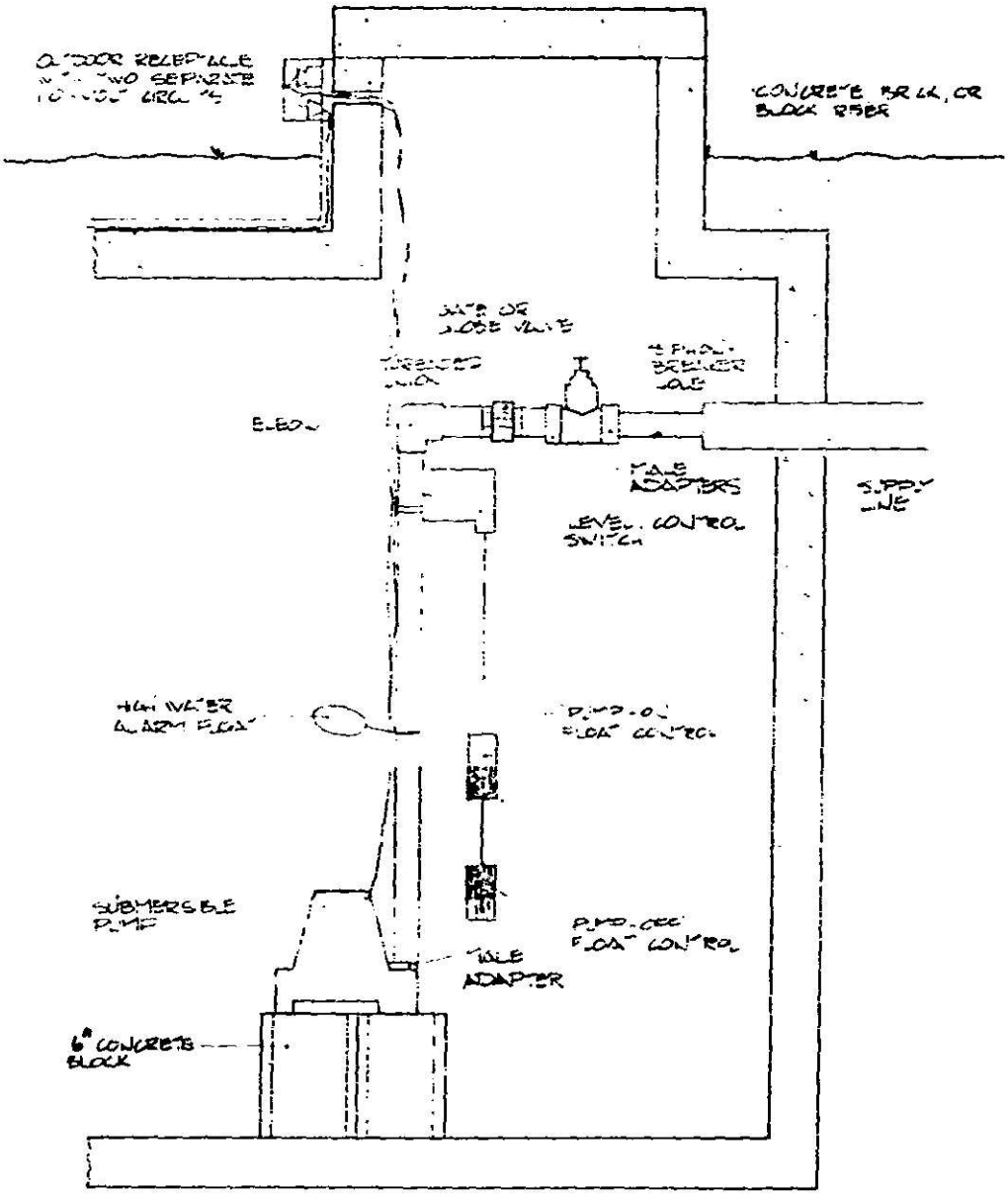
John Pritchard | Elm Lane Lot 9 | File #19448

Daily waste flow	360 gallons
Septic tank size	1500 gallons
Pumping tank size	1000 gallons
Effluent loading rate	0.15 gallons/ft.^{2} bottom area/day
Absorption area	2400 square feet
Total length of laterals	480 feet
Lateral diameter	1 1/4 inch (160 psi)
Lateral configuration	7 x 68.5 foot lines (5 feet in centers)
Supply line length	80 feet
Supply line diameter	1 1/2 inch (160 psi)
Manifold placement	Side
Hole size	1/8 inch
Hole spacing	5 feet
Number of holes	96
Flow per hole	.32 gpm
Total flow	30.72
Elevation head	12 feet
Friction head	3.13 feet
Pressure head	3 feet
Total head	18.13 feet
Pump requirements	31 gallons at 18 feet
Storage volume in laterals	43.2 gallons
Storage volume in supply line	10.0 gallons
Total storage volume	53.2 gallons
Dosing volume	226 gallons
Dosing depth	8 inches
Check valve needed?	No
Trench width	8 inches
Tench depth	12 inches - 6" stone 6" backfill

a. Stabilize area with grass as soon as possible after completion of the system.
b. Drainage improvements shall be made as necessary to divert surface and subsurface water around or away from entire system area.
c. System shall not be installed while soil is wet.

Elm Lane Lot 9 File #19448




CONCRETE BRICK, OR BLOCK RISER
MALE ADAPTERS
LEVEL CONTROL SWITCH
HIGH WATER ALARM FLOAT
PUMP-OFF FLOAT CONTROL
SUBMERSIBLE PUMP
PUMP-ON FLOAT CONTROL
MALE ADAPTER
6" CONCRETE BLOCK