

8316 York Rd.

1/29/08

thomatc

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

Date Received 2-7-89

SIR No. 20594

T. C. No. 201-021-02

Map Date _____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Motsinger (LAST) Joseph & Ruby, B, (FIRST, MIDDLE)

2) ADDRESS OF OWNER 8300 York Rd. ZIP 28210

3) PHONE NO. Home 803-222-4699 Office 588-0202

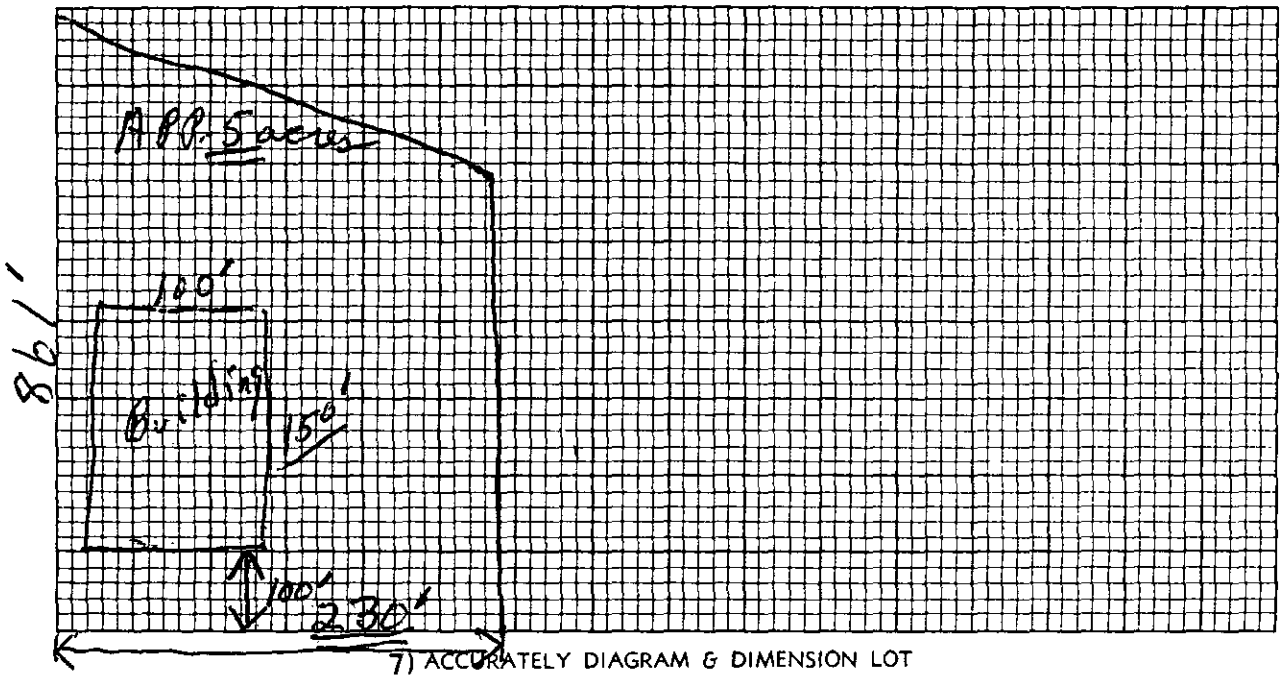
4) LOCATION OF PROPERTY 8316 York Rd. ~~Hy 49, S.~~ ~~#8316~~ (STREET OR COUNTY ROAD)

5) SUBDIVISION _____ LOT NO. _____ BLOCK NO. _____

MAP BOOK NO _____ PAGE NO. _____

6) DEED REFERENCE: DEED BOOK 1635 PAGE NO. 479

Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation and an on site inspection of the lot hereinabove described for the purpose of determining if the lot is suitable for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge.



7) ACCURATELY DIAGRAM & DIMENSION LOT

Mrs Ruby Motsinger
OWNER

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20594

T.C. NO. PO 201-02202

(Ground Absorption Sewage Disposal)

OWNER: Joseph L Bailey Mobile Home Park
ADDRESS: 6305 York Road Charlotte, N.C. 28214

PLAT NO:
LOT SIZE: 69,000

LOCATION OF SITE: 6316 York Road

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U — 2-8%	S (PS) U — 2-8%	S — rolling PS — slopes (U)	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS — some 2:1 clay U	S PS — 2:1 clay (U)	S PS — U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S (PS) — blocky U	S PS — compacted (U)	S PS — U	S PS U
4. SOIL DEPTH (inches)	S PS — 12" or less (U)	S PS — Fill 2-6' (U)	S PS — <36" (U)	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS — <12" (U)	S PS — <2' (U)	S PS — <36" (U)	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) — 36" to ground water U	S (PS) — 36" to ground water U	S PS — Area channels runoff (U)	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	1UA	1UB	—	
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
10. SOIL SERIES	Cut-Mecklenburg-Wilkes	Fill	complex slopes	

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)

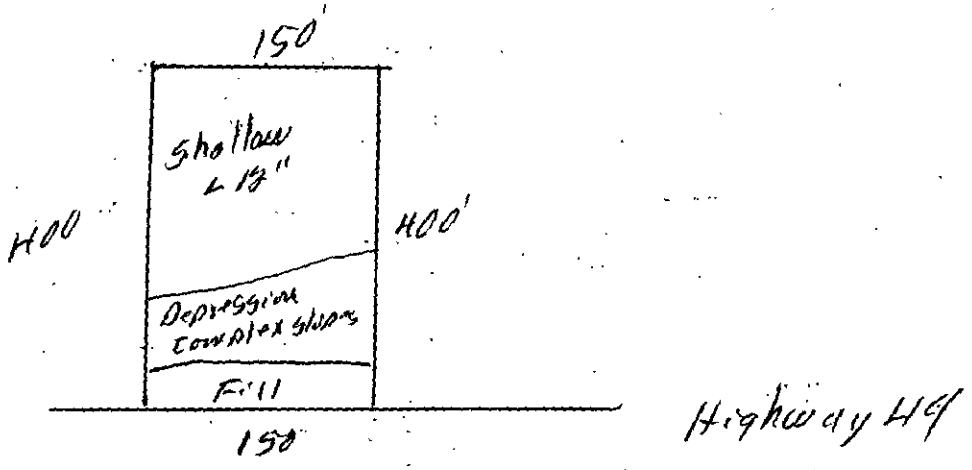
Recommendations/Comments:

Described by: William R. Martin
Title: Soil Scientist

Date: 3-16-94

EHD 539 (Revised: 6/82)

2*


150'
Shallow
< 18"
400'
400'
Depression
Complex Slope
Fill
150'
Highway 49

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

SIR. NO. 20594
T.C. NO. PO 201-021-02
DATE: 3-19-84

Joseph G. Motsinger
8300 York Road
Charlotte, NC 28210

RE: Property located at 8316 York Road

Dear Mr. Motsinger:

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, plans and specifications prepared by a person with a demonstrated knowledge of ground absorption sewage treatment disposal systems, soil and rock characteristics, groundwater hydrology and drainage systems should be submitted 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 "Septic Tank Agreemnt Form" provided by this office.

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

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor

BDH/kbg

Enclosure

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20594

T.C. NO. PO 201-021-02

(Ground Absorption Sewage Disposal)

OWNER: Joseph MotSINGER
ADDRESS: 8306 York Rd Charlotte 28216
LOCATION OF SITE: York Rd.

PLAT NO:
LOT SIZE: 60,000 Sq. ft

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-8	S PS U complex slopes	S (PS) U 2-6	S (PS) U 2-8
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS (U) Mixed Clay	S PS U	S PS (U) Mixed Clay	S (PS) U Clayey Loam
3. SOIL STRUCTURE (12-36 inches)	S PS (U) Weak Blocky	S PS U	S PS (U) Weak Blocky	S (PS) U Blocky
4. SOIL DEPTH (inches)	S PS U ←	S PS U	S PS (U) 12"	S (PS) U 20-25"
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS U →	S PS U	S (PS) U None	S PS (U) None
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS (U) Slow	S PS U	S PS (U) Slow	S (PS) U Adequate
7. OTHER (Specify)	S PS U	S PS U	S PS U Restrictive Area	S PS (U)
8. SOIL GROUP	IVw	IVw	IVw	IVw
9. SITE CLASSIFICATION	Unsuitable	Unsuitable	Unsuitable	Unsuitable
10. SOIL SERIES	Fill	Complex Slope	Cut Mecklenburg	May be undeveloped mecklenburg

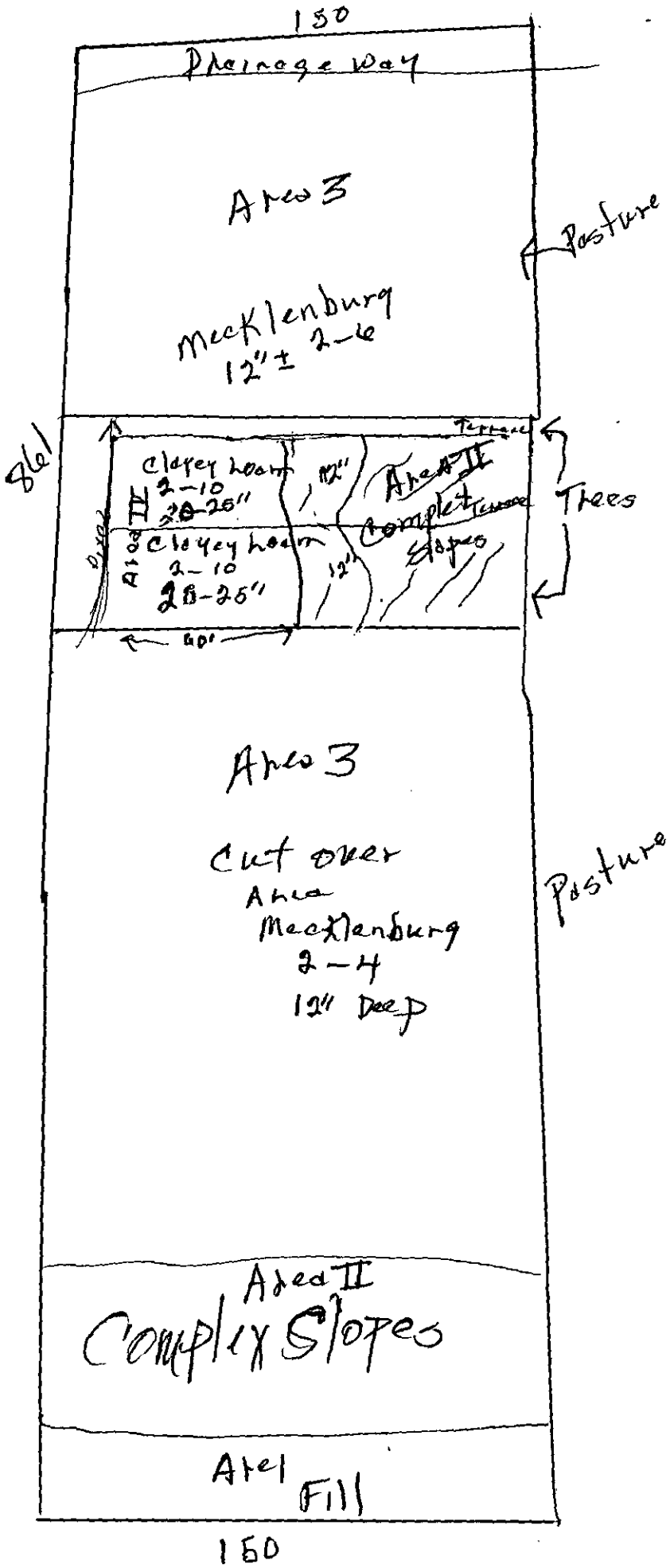
S - Suitable PS - Provisionally Suitable U - Unsuitable

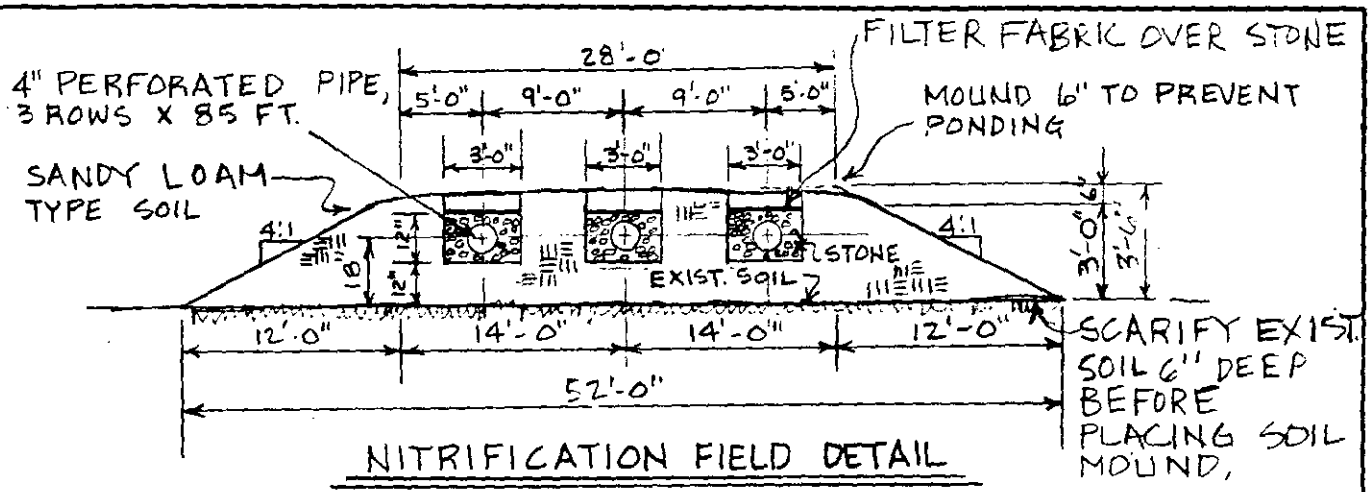
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: Back Area Beyond 400 Feet

Described by: W. B. Ramsey
Title: Soil Scientist

Date: 6-11-84


150
Drainage Way
Area 3
Pasture
Mecklenburg
12" ± 2-6
Terrace
Clayey loam
2-10
20-25"
12"
Area II
Complex Slopes
Trees
Clayey loam
2-10
20-25"
12"
40'
Area 3
Cut over
Area
Mecklenburg
2-4
12" Deep
Pasture
Area II
Complex Slopes
Area
Fill
150



NITRIFICATION FIELD DETAIL

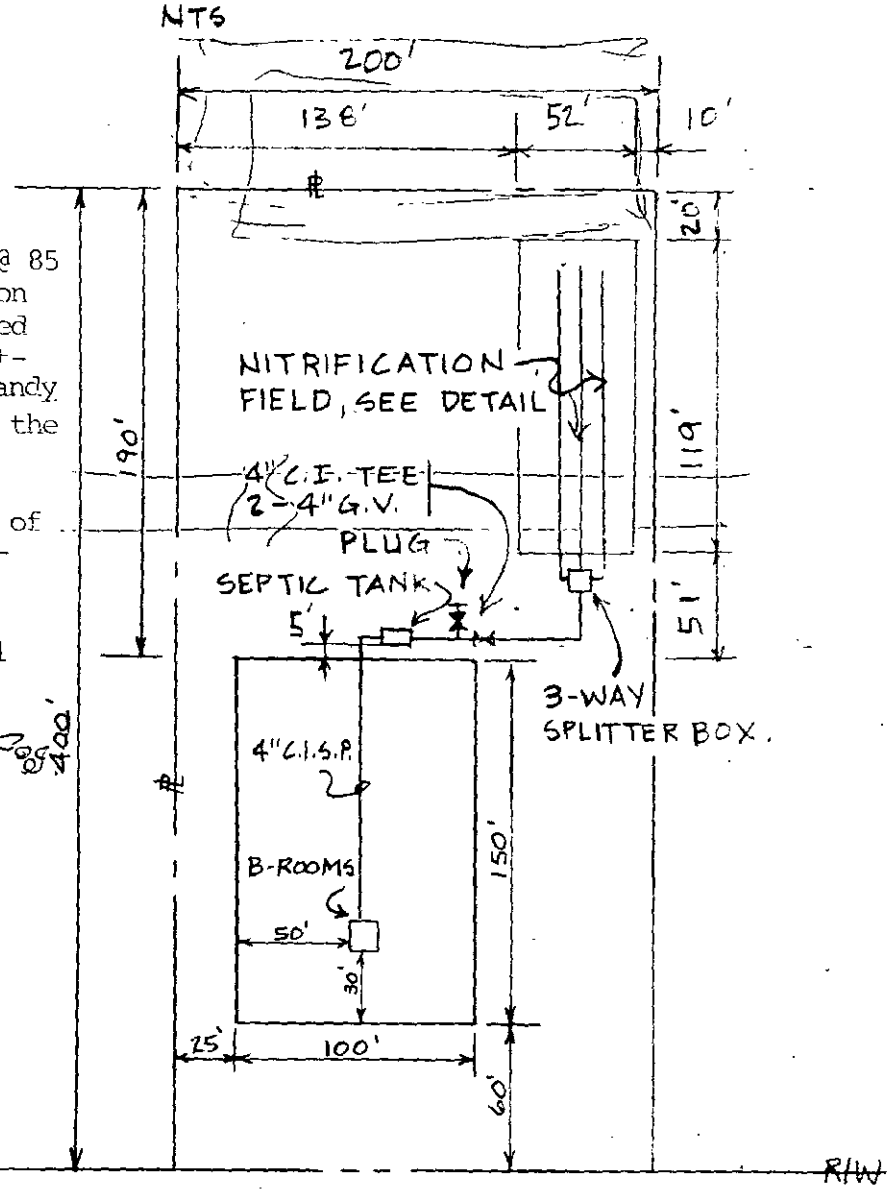
NTS

NOTES

(1) A 1000 gallon septic tank and 255 L.F. (3 @ 85 L.F. Ea.) nitrification line shall be installed in an area of fill material consisting of sandy loam, as shown on the drawing.

(2) Rules and regulations of the North Carolina Department of Human Resources, Division of Health Services, shall be observed when constructing the septic tank system.

(3) Mecklenburg County Soil Scientist shall approve soil used for nitrification field.



PRELIMINARY

U.S. HWY. 49

SCALE: 1" = 80'

MOTT'S OIL EQUIPMENT & SERVICE	FRANK C. COCKINOS & ASSOCIATES, INC. CONSULTING ENGINEERS
SEPTIC TANK SYSTEM	P.O. BOX 3863 CHARLOTTE, N C 28203
CHARLOTTE, NORTH CAROLINA	DATE: SKETCH 1
	COMM. NO. 304-01

Letter 7-11-84

SEE INSTRUCTIONS ON BACK

Date Received 2-7-84

ICAR(S) Application No. 20594

T. P. No. 201-02-02

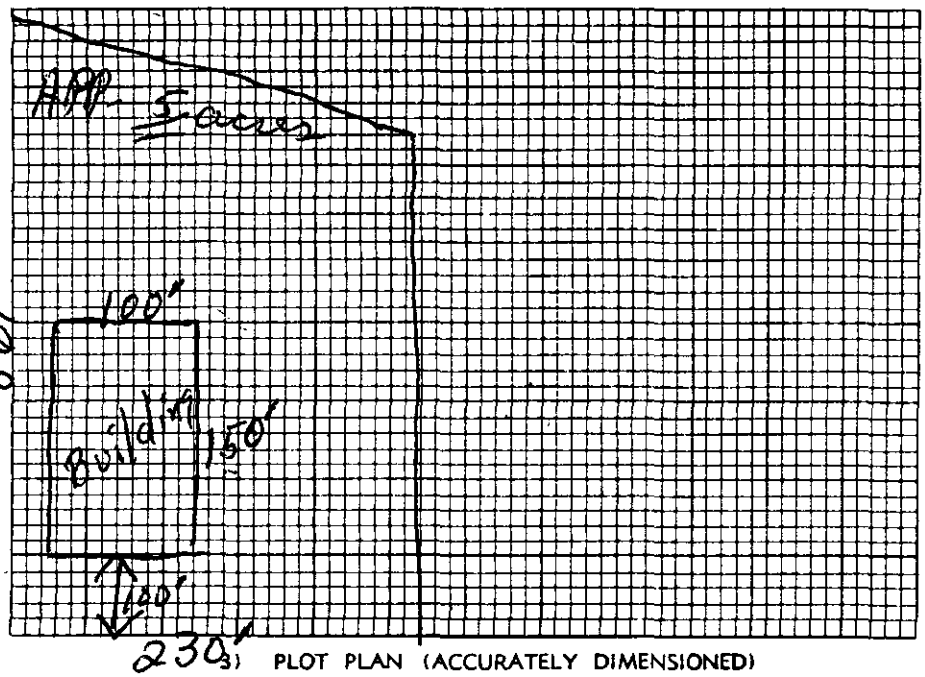
Map Date _____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

Application for an
Installation, Construction, Alteration, and/or Repair Permit
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

The owner of that property described hereinafter hereby applies to the Mecklenburg County Department of Environmental Health for a permit to:

1) ✓ Install or Construct 2) _____ Alter or Repair an individual septic tank wastewater treatment system with a subsurface, soil absorption, effluent discharge.



3) PLOT PLAN (ACCURATELY DIMENSIONED)

Mobile Home ____Yes ✓No
Residence ____Yes ✓No

4) No. of Bedrooms _____
5) Business Use — Max No Employees 6
6) Washing Machine ____Yes ✓No
7) Garbage Disposal ____Yes ✓No
8) Dishwasher ____Yes ✓No
9) Water Supply:
   A) Individual Well _____
   B) Governmental System ✓
   C) Community System:
      1. Well source _____
      2. Governmental source _____
10) Sewage System:
   House located within 200 feet of public sewer ____Yes ✓No
   House located within 200 feet of community sewer ____Yes ✓No
11) FHA Case No. _____
12) VA Case No. _____

13) NAME OF OWNER Motsinger (LAST) Joseph G. & Ruby B. (FIRST, MIDDLE)

14) ADDRESS OF OWNER 8300 York Rd.

15) PHONE NO. Home 803-222-4698 Office 588-0202

*16) LOCATION OF SYSTEM 8316 York Rd. Hy. 49 S, #8316 (STREET OR COUNTY ROAD)

17) SUBDIVISION _____ Lot No. _____ Block No. _____

Map Book No. _____ Page No. _____

18) DEED REFERENCE — DEED BOOK 1635 AT PAGE 479

19) HAS A SOIL INVESTIGATION BEEN RUN? ____YES ✓NO DATE RUN _____

20) PTR NUMBER (See Instructions) _____

The undersigned person hereby agrees that he has read the foregoing application and that the contents of same are true. It is understood that any permit applied for herein shall be void and of no effect if any of the above facts are not true.

2-7-84
DATE OF APPLICATION

Mrs. Ruby Motsinger
OWNER

EHD-5-76

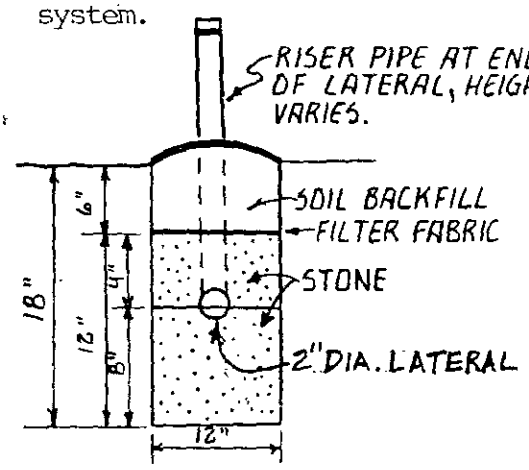
ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

SIR 20954

1. Nitrification field to consist of 3-50-foot long laterals of 2-inch SDR 26 plastic pipe with 5/32-inch diameter holes drilled at 5-foot spacing. (10 holes per lateral, each drilled in bottom of line). Riser pipes with plugs shall be provided as shown on the schematic (Sht. 2/2) in order to adjust pressure head at the middle lateral to 3-feet. Lateral trenches shall follow contour of ground so that 0.5-foot vertical line separation and 1.0-foot line depth in ground can be maintained. Horizontal line spacing shall be approximately 5.0-feet.

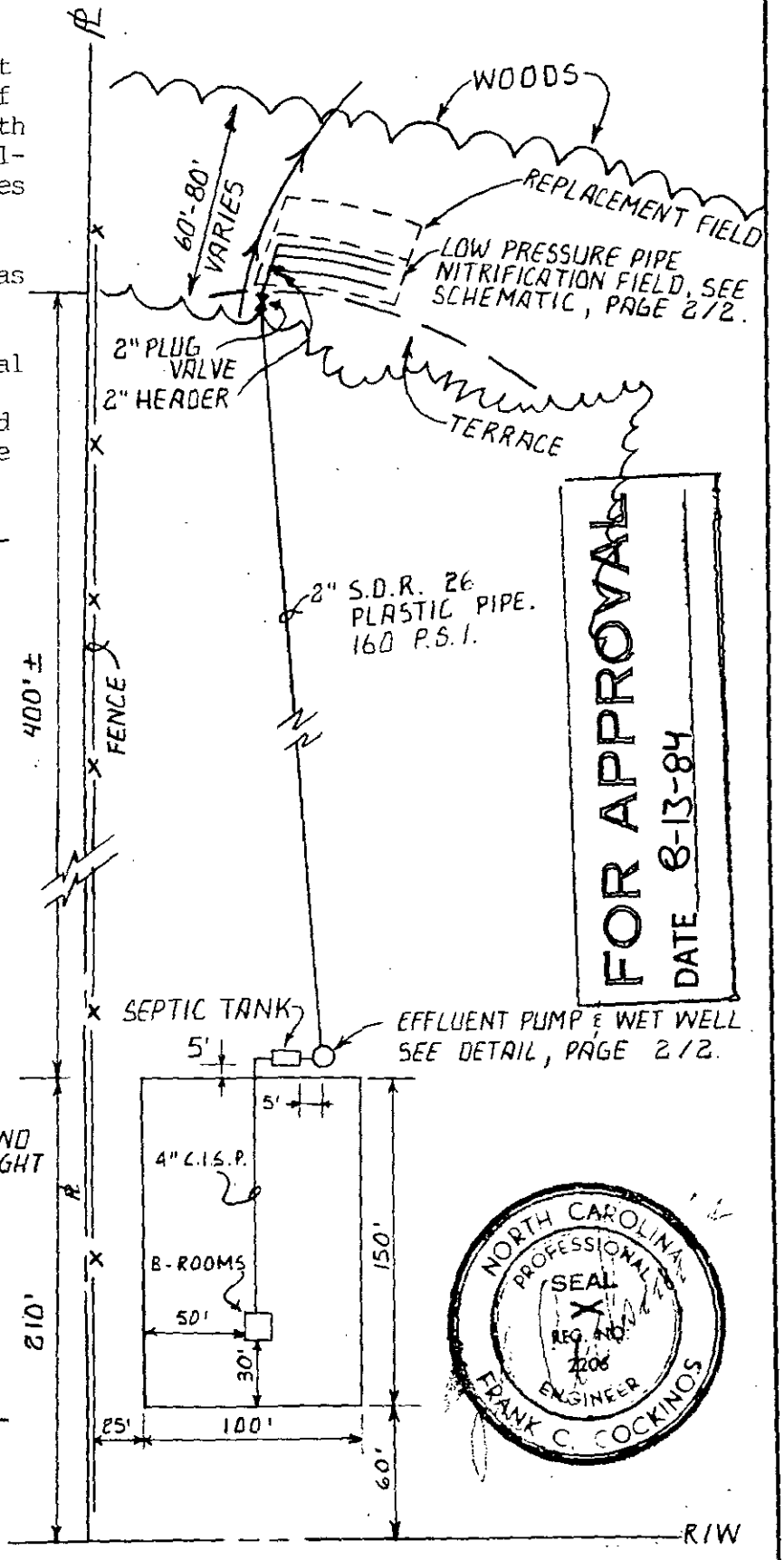
2. A 1000 gallon septic tank and an effluent pump station shall be installed where shown on the drawings. Two (2) inch plastic force main shall connect the effluent pump to the nitrification field.

3. Rules and regulations of the North Carolina Department of Human Resources, Division of Health Services, shall be observed when constructing the low pressure pipe nitrification field and septic tank system.



NITRIFICATION TRENCH DETAIL

N.T.S.



NORTH CAROLINA PROFESSIONAL SEAL X REG. NO. 2206 ENGINEER FRANK C. COCKINOS

MOTT'S OIL EQUIPMENT & SERVICE

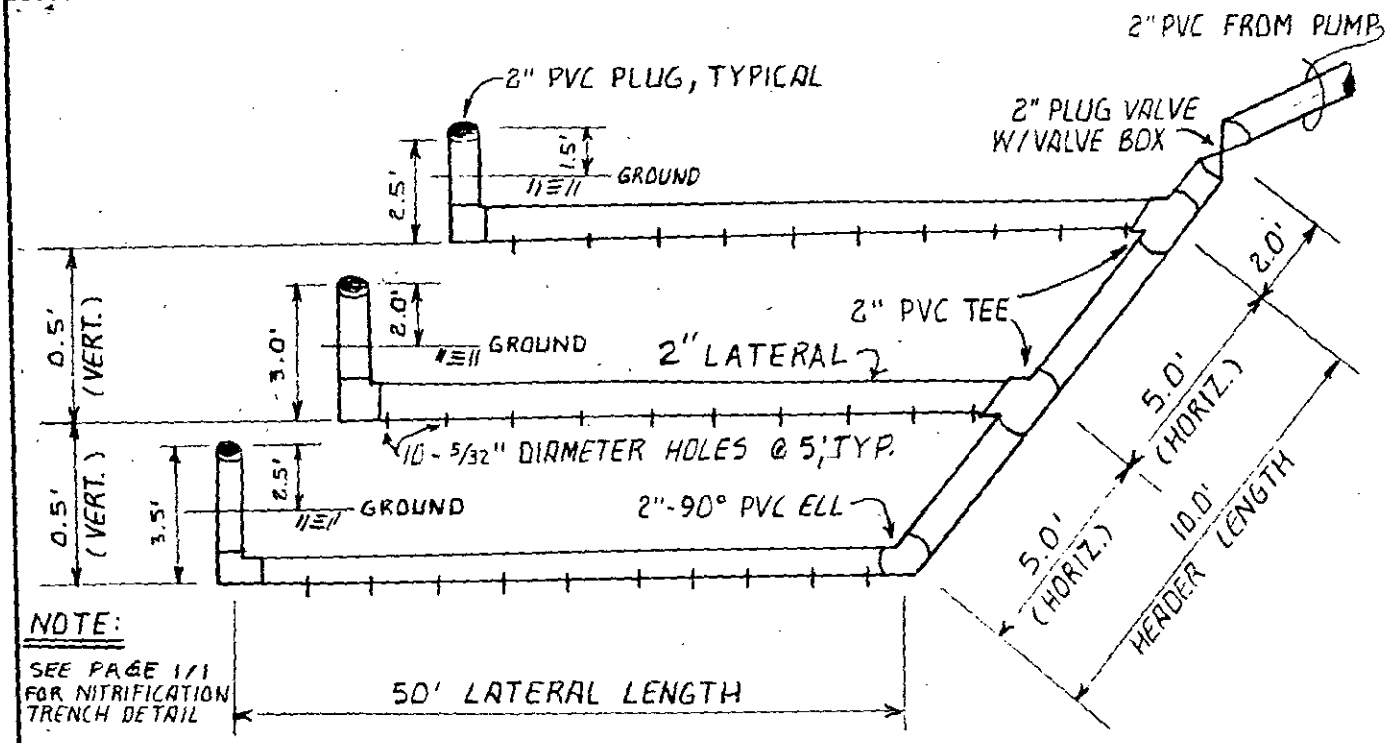
SEPTIC TANK SYSTEM

CHARLOTTE, NORTH CAROLINA

FRANK C. COCKINOS & ASSOCIATES, INC.
CONSULTING ENGINEERS
P.O. BOX 3863 CHARLOTTE, N.C. 28203

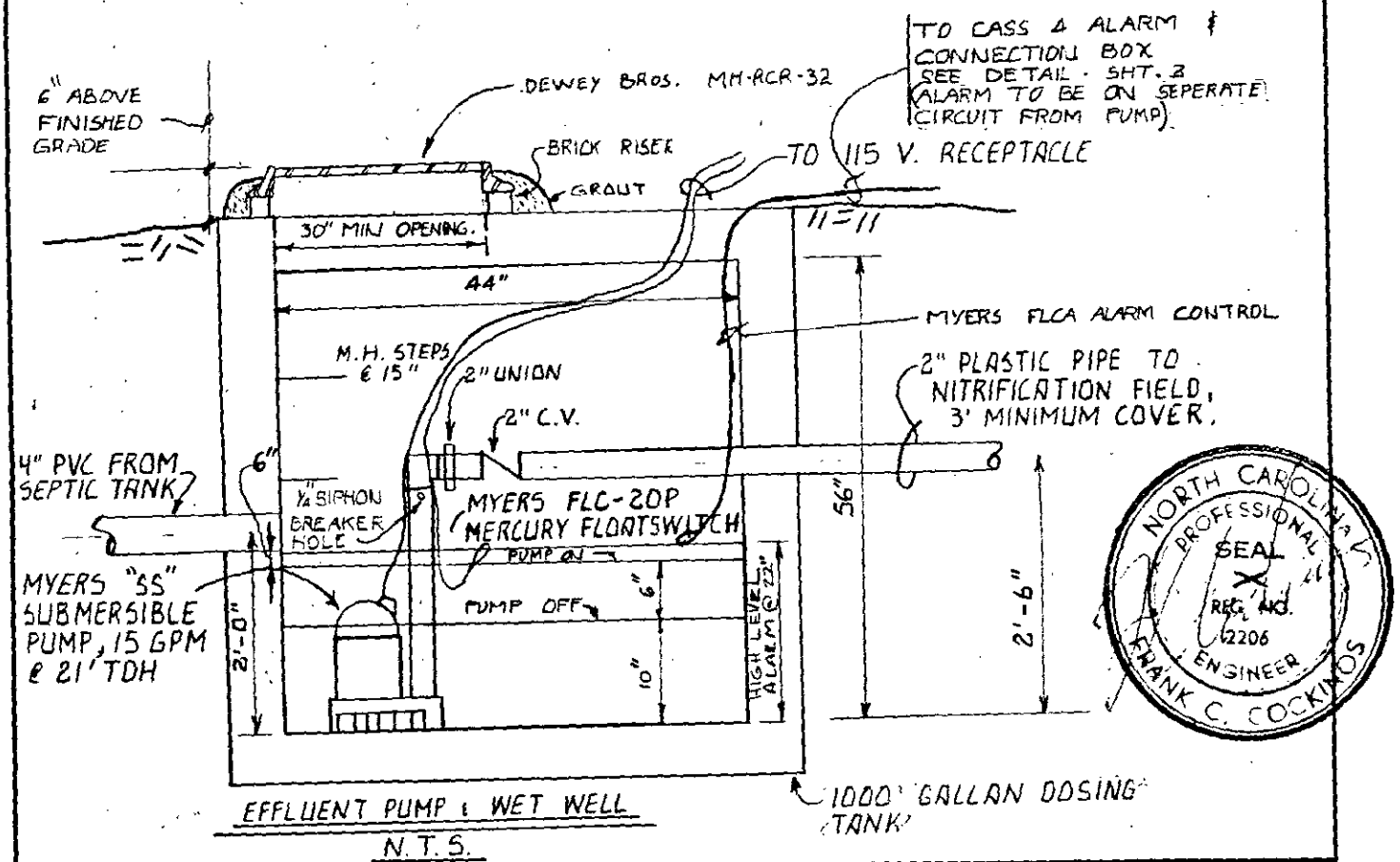
DATE: 7/2/84

COMM. NO. 394.01



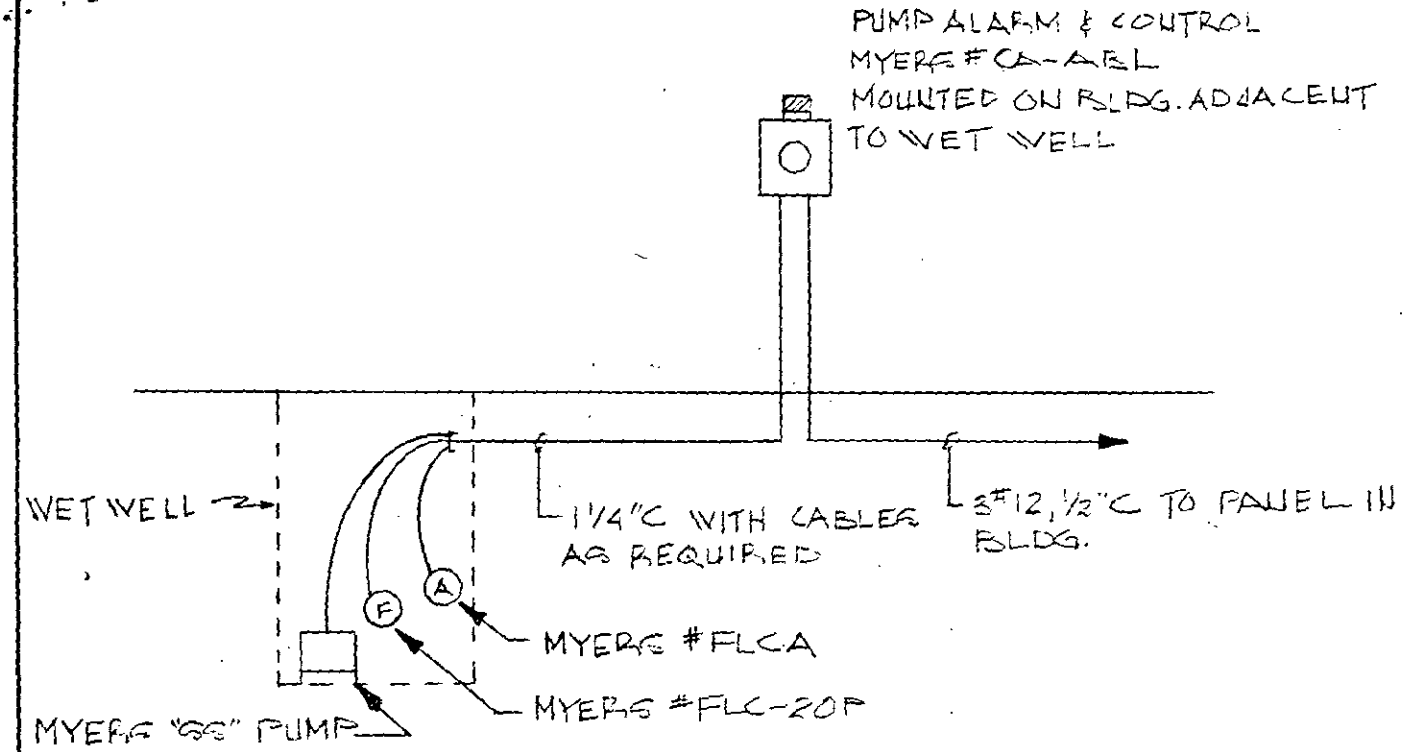
NITRIFICATION FIELD SCHEMATIC

N.T.S.



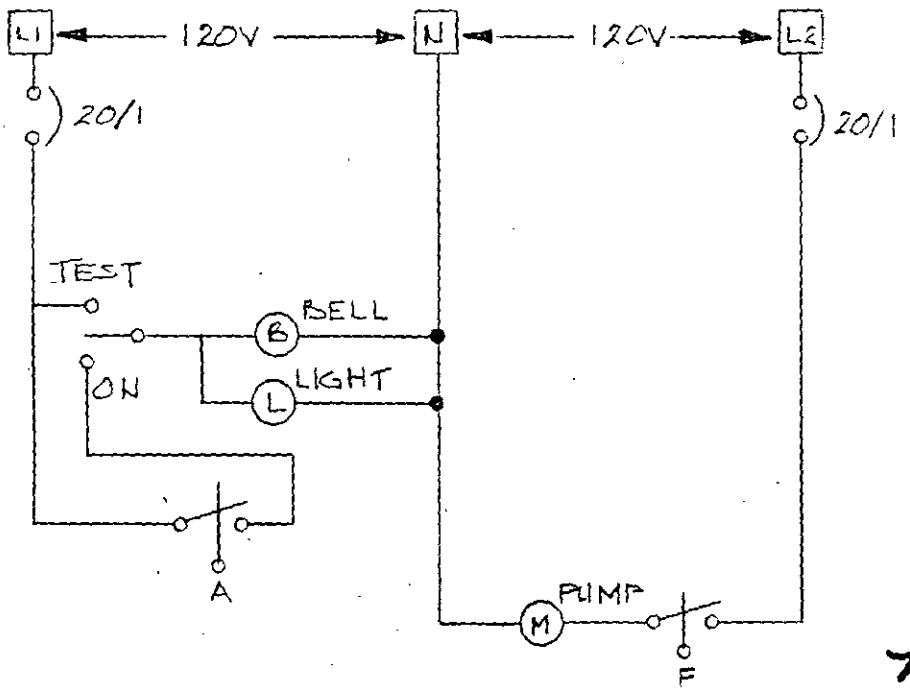
N.T.S.

MOTT'S OIL EQUIPMENT & SERVICE	FRANK C. COCKINOS & ASSOCIATES, INC. CONSULTING ENGINEERS P.O. BOX 3863 CHARLOTTE, N.C. 28203
SEPTIC TANK SYSTEM	DATE: 7/2/84
CHARLOTTE, NORTH CAROLINA	COMM. NO. 394.01
	PAGE 2/3



RISER DIAGRAM

NO SCALE



CONTROL DIAGRAM

NO SCALE



8/6/84

MOTT'S OIL EQUIPMENT & SERVICE SEPTIC TANK SYSTEM CHARLOTTE, NORTH CAROLINA	FRANK C. COCKINOS & ASSOCIATES, INC. CONSULTING ENGINEERS P.O. BOX 3863 CHARLOTTE, N.C. 28203 DATE: 7/2/84 COMM. NO. 394.01 PAGE 5/5

SIR20594

FRANK L. COLLINS & ASSOCIATES, INC.
601 LEXINGTON AVENUE
CHARLOTTE, N. C. 28201

COMPUTED BY DR
DATE 6/28/84
SUBJECT Motts Oil

CHECKED BY
DATE
SHEET 1 OF 1

Summary

Daily Waste Flow		150 gal
Septic Tank Size		1000 gal
Pumping Tank Size	1000 ~~420~~	gal BDH 8/16/84
Effluent Loading Rate		0.20 gal/SF/day
Absorption Area		750 S.F
Total length of laterals		150 LF
lateral Diameter		2 in.
Lateral Configuration		3 X 50' each
Supply line length		400 LF
Supply line diameter		2 in. Sch 40 pipe BDH 8/16/84
Manifold placement		Side
Hole Size		5/32 in.
Hole Spacing		5 ft
No. Holes		30 ea.
Pressure Head		3.0 ft avg.
Flow per hole		0.50 gpm avg.
Total flow		15.0 gpm
Elevation head		6.0 ft ±
Friction head		2.2 ft
Pressure head		3.0 ft
Total head		11.2 ft ±
Pump requirements		15 gpm @ 11.2 ft head
Storage Volume in laterals		15 gal
Storage Volume in supply line		65 gal
Total storage volume		80 gal
Dosing Volume		45 gal (3 min pump run)
Dosing depth		12 in
check Valve needed?		no

Line No	Hole Size	Head Pressure	Flow/Hole	No Holes	Flow/line	Hole Spacing
1	5/32 in	2.5 ft	0.46 gpm	10 ea	4.6 gpm	5 ft
2	5/32	3.0	0.50	10	5.0	5
3	5/32	3.5	0.54	10	SH	5

(pump cap. used 15 gpm @ 21' TDH)

FRANK C. COCKINOS & ASSOCIATES, INC.
CONSULTING ENGINEERS

600 LEXINGTON AVENUE
CHARLOTTE, N.C. 28203

(704) 372-4464
August 13, 1984

MECK COUNTY DEPARTMENT OF
RECEIVED
AUG 15 1984
ENVIRONMENTAL HEALTH

Mecklenburg County Department
of Environmental Health
1200 Blythe Boulevard
Charlotte, North Carolina 28203

Attention: Mr. Bill D. Hardister, Jr.

Reference: Mott's Oil Equipment and
Service Co. - Septic Tank Service

Dear Mr. Hardister:

Enclosed please find two (2) sets of revised drawings for the septic tank system to serve the above referenced property. Revisions and additions have been made to the drawings in accordance with your letter of July 11, 1984, addressed to Mr. Tim Michael. Please review these sketches for approval and advise of any changes, etc. that may be required.

Should you have any questions, do not hesitate to contact our office.

Very truly yours,

FRANK C. COCKINOS & ASSOCIATES, INC.

H. Carson Fisher

H. Carson Fisher, E.I.T.

HCF:jj

Enclosures