Date Received 10/16/79
send copy to:

Tom Green
Route 5, Box 920
Charlotte, NC 28208

MECK COUNTY DEPARTMENT OF
RECEIVED
OCT 17 1979
ENVIRONMENTAL HEALTH

APT No 16241
T C No 037-246-09
Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Allen (LAST) Lewis (FIRST) C. (MIDDLE)

2) ADDRESS OF OWNER 2049 Hillview St apt 16 ZIP 33579

3) PHONE NO Home 955-5175 Office Sarasota Florida

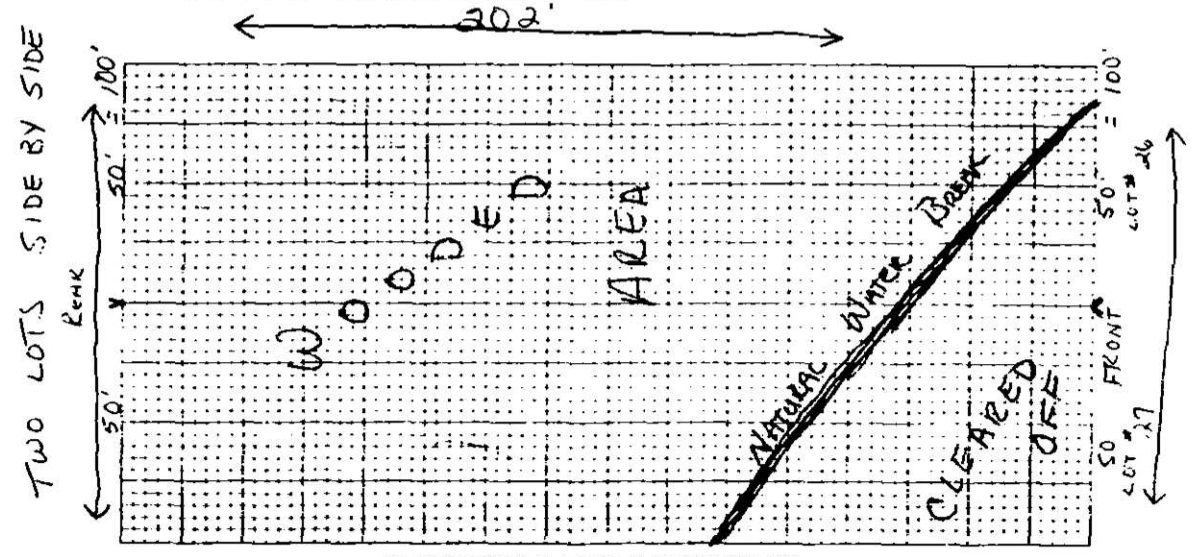
4) LOCATION OF PROPERTY Victoria Ave. (STREET OR COUNTY ROAD) OFF Hwy 115

5) SUBDIVISION Sky Crest Park LOT NO 26 & 27 BLOCK NO A None

MAP BOOK NO 11 PAGE NO 57

6) DEED REFERENCE DEED BOOK ___ PAGE NO ___

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 hereinafter 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

202'

Lewis C Allen
OWNER

EHD-5-76

Environmental Health Department's Copy

S.I.R. NO. 1624!

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
RALEIGH, NORTH CAROLINA

APPENDIX H
SITE EVALUATION

T.C. # 33-24-99

(Ground Absorption Sewage Disposal)

OWNER: James C. Allen
ADDRESS: 2044 Hillview Dr. Apex
COUNTY: Sarasota, Fla.
LOCATION OF SITE: Victoria Pass

DATE REQUESTED:
PLAT NO.: Lots 26 & 27
LOT SIZE: 20,200

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	(S) PS 2-6% U	(S) PS 2-8% U	(S) PS 2-8% U	S PS U
2. SOIL TEXTURE (12-36 in.) (Sandy, loamy, clayey, Note 2:1, Clay)	S 2/1 PS Clay (U)	S 2-1 PS Clay (U)	S Clay (PS) U	S PS U
3. SOIL STRUCTURE (12.36 in.) (Clayey Soils)	S PS Massive (U)	S PS Massive (U)	S (PS) Blocky U	S PS U
4. SOIL DEPTH (In.)	(S) 48" PS U	(S) 48" PS U	(S) 48" PS U	S PS U
5. RESTRICTIVE HORIZONS (In.) (Imprevious Strata, Rock)	(S) None PS U	(S) None PS U	(S) None PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (External & Internal)	S Seasonal PS Perched (U) Table	(S) 76" to PS ground U water	(S) 76" to PS ground U water	S PS U
7. SOIL PERMEABILITY (Percolation Rate)	S PS U.Slow (U)	S PS U.Slow (U)	S (PS) Moderate U	S PS U
8. OTHER (Specify)	S PS U	S PS U	S Inadequate PS Area (U)	S PS U
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
SOIL SERIES	Ivadell	Evan	Certl	

S - Suitable PS - Provisionally Suitable U - Unsuitable

* See Diagram on Back (Include: Soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slope patterns, etc)

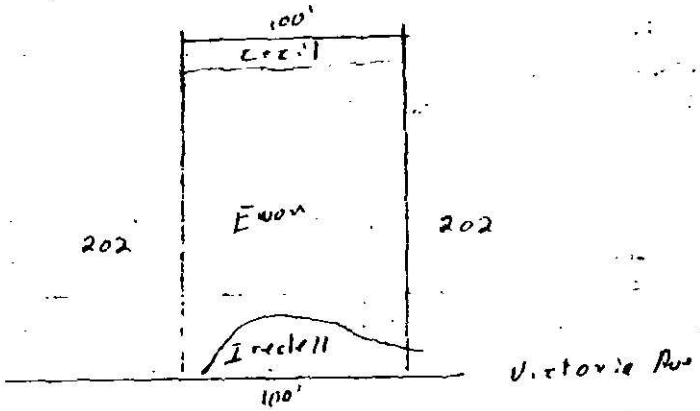
Recommendations/Comments:

Described By: William R. Marlin

Title: Soil Scientist Date: 10-19-99

DHS Form 2604 (2/77)
Sanitation

2


100'
202
202
100'
Victoria Ave

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

SITE INVESTIGATION REPORT
INDIVIDUAL SEPTIC TANK SYSTEM
WITH SUBSURFACE,
SOIL ABSORPTION,
EFFLUENT DISCHARGE

S.I.R. # XXXXX 16241

T.C. # 037-246-09

DATE October 19, 1979

NAME OF OWNER Allen, Lomis C.

ADDRESS OF OWNER 2049 Hillview Street, Sarasota, Fla.

LOCATION OF LOT Victoria Avenue, Lots 26 and 27

As determined under the Rules and Regulations promulgated by the Commission for Health Services, Division of Health Services, North Carolina Department of Human Resources, Raleigh, North Carolina, the soils on the lot described above were found to be unsuitable for the installation of an individual septic tank - soil absorption system, due to the following reason:

Soil Structure Massive
Soil Permeability Unsuitable
Site Classification Unsuitable

John R Adkisson

John R. Adkisson, Environmentalist

Date Received 6 May 1977

APT No 16207

T C No 037-246-09

Map Date 5-16-77

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Thomas (LAST) Ray (FIRST) Hyatt (MIDDLE)

2) ADDRESS OF OWNER 5551 Monroe Rd ZIP 28212

3) PHONE NO Home 5374661 Office

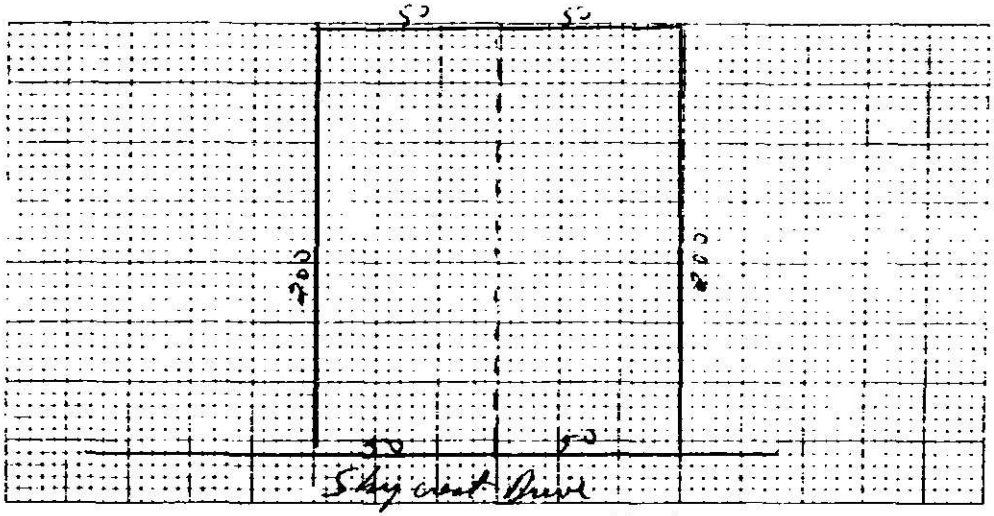
4) LOCATION OF PROPERTY Victoria Ave (STREET OR COUNTY ROAD) Sta 22+27

5) SUBDIVISION LOT NO BLOCK NO

MAP BOOK NO PAGE NO

6) DEED REFERENCE DEED BOOK PAGE NO

Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation on 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

Ray H. Thomas
OWNER

EHD-5-75

Environmental Health Department's Copy

SERVICE REPORT AND INFORMATION CHECK LIST

CROMAGLASS WASTEWATER TREATMENT SYSTEM

I certify that on this date I personally inspected the CROMAGLASS Sewage Treatment System installed at the property indicated below; that (unless otherwise stated) each individual component and phase of operation was carefully evaluated for condition and performance; that (unless otherwise stated) the complete system was operating at a level of efficiency satisfactory to me and to the owner-occupant of the property.

CHECK FIRST: General Conditions (Answer YES or NO, or Explain in "Remarks")

ITEM

(1) Access lid available and removable? _____ Locked? _____

(2) Any obviously unpleasant odor near unit? _____ Near run-off? _____

(3) Any unusual continuous flow at inlet pipe? (Indication of faulty plumbing and excessive water volume) _____

(4) Were owners/occupants present during your inspection? _____

CHECK SPECIFICALLY: Mark "OK" - or Explain in "Remarks"

TANK-COLOR OF SEWAGE

ITEM

(5) Black _____

(6) Grayish _____

(7) Light Brown _____

(8) Dark Brown _____

CONTROL PANEL

ITEM

(13) Connected _____

(14) Tested _____

(15) Operational _____

CHLORINE CONTACT TANK

ITEM

(23) Operational _____

(24) Adequate Supply of Chemical _____

(25) Solids Build-up _____

PUMP

ITEM

(9) Overload _____

(10) Power Cord _____

(11) Stator _____

(12) Seals _____

TANKS AND COMPONENTS

ITEM

(16) Water Level _____

(17) Float Level _____

(18) Piping (Tight) _____

(19) Electrical Cords _____

(20) Correct Turbulence _____

(21) Any noticeable strong detergent odor _____

(22) Any excessive amount of foreign matter visible _____

REMARKS: Adjustments or Repairs Made - (Refer to Item Number)

(Continue on reverse side, if necessary)

Model # _____ Serial # _____

Address: _____

_____

Post Office _____

County _____

Owner: _____

Date _____

Inspector (Sign) _____

_____

Dealer's Name: _____

Address: _____

Or Other Agency: _____

_____

FORM NO. S-2 (Distribute Copies As Indicated) Dealer's Copy

Service Contract

CROMAGLASS WASTEWATER TREATMENT SYSTEM

Be it known that we, ...,
properly authorized and designated dealer of Cromaglass Home Aerobic Sewage Treatment Systems, agree to provide .....
of ..... township, ...
county, ... state, ... the
following services for [redacted] two years ..... at
$....., in addition to the manufacturer's warranty. Serial No. .....
Installation Date ..... This contract will cover the following:

1. Make three maintenance checks during the first twelve months following date of installation, and in addition, respond promptly to any emergency calls for repairs, as covered by manufacturer's warranty.
2. Any service calls due to other than those covered in manufacturer's warranty, are to be paid for at the prevailing rate in the community. Example: clogged line from house to unit, power turned off, etc.
3. This contract can be extended for an annual fee of $ per year. Further extension of this Service Contract is recommended to reduce possibility of breakdowns. With proper preventative maintenance, many years of satisfactory operation can be obtained.

Accepted by:

....
Homeowner Authorized Dealer

.....
Date

Health Dept. Copy

K & S Systems, Inc.

ALTERNATIVE WASTEWATER TREATMENT

P.O. BOX 11792
CHARLOTTE, NC 28220
(704) 525-9481

MECK COUNTY DEPARTMENT OF
RECEIVED
JUL 12 1985
ENVIRONMENTAL HEALTH

July 10, 1985

Mr. William D. Hardister
Environmental Health Supervisor
On-Premises Waste Disposal Section
Mecklenburg County Department of Environmental Health
1200 Blythe Boulevard
Charlotte, North Carolina 28203

RE: Property at 8104 Knollwood Circle
DEH File No. 16242
Modified Waste Treatment System

Dear Mr. Hardister:

On behalf of Mr. F. A. Lopata I am sending a copy of our tri-party maintenance agreement. This maintenance agreement provides the owner an operation and maintenance checkup every four (4) months with necessary adjustments as required. It also provides the owner with a guaranteed 24-hour response to any notification of malfunction in the system. This agreement provides assurance to the Health Department that this equipment will be operated and maintaned in a properly functioning mode, assuring that secondary wastewater is being applied properly to the application point.

I have also been requested to advise you that the installation of flow restricting, water saving devices will be installed if doing so is beneficial to wastewater treatment in the view of your office.

Please accept this information as further support of the June 13, 1985, re-application for approval of on-site wastewater disposal system at the above referenced address.

Very truly yours,

F. STEPHEN SWARTZ, P.E.

cc: Anthony F. Antonucci

PARTNERS
T R KEALEY JR
R E FELSBURG INC
W B CONWAY
H H SNYDER
C F CONSTOCK
J J SCHERRER
J M KULICKI

SENIOR ASSOCIATES
R W CHRISTIE
T SHINTAKU
C T. FORTRAN
J R BOWDEN
H E WALDNER

MODJESKI AND MASTERS
CONSULTING ENGINEERS
Founded 1893
F STEPHEN SWARTZ P E
ENGINEER IN CHARGE
1515 MOCKINGBIRD LANE SUITE 414
CHARLOTTE NORTH CAROLINA 28209
TELEPHONE 704 523 0283

ASSOCIATES
H E ECKHART
T Y SOONG
J E PRICKETT
B P STRAIN JR
D F SORGENFREI
B T MARTIN JR
J L MCKENNEY
G A MURRAY
D H LEROY
R A LITTLE
P C PIERCE
L V BORDEN
E W ROHRBACH

June 13, 1985

...ARTMENT OF
RECEIVED
JUN 17 1985
...ENVIRONMENTAL HEALTH

Mr. Willian D. Hardister
Environmental Health Supervisor
On-Premises Waste Disposal Section
Mecklenburg County Department of Environmental Health
1200 Blythe Boulevard
Charlotte, North Carolina 28203

RE: PROPERTY AT 8104 KNOLLWOOD CIRCLE
DEH File No. 16242
Modified Waste Treatment System

Dear Mr. Hardister:

Submitted on behalf of Mr. F. A. Lopata, attached is a Description of a Modified On-Site Waste Disposal System for the referenced property and site plan showing the location of the installation and repair areas.

Please accept this as data supporting a re-application for on-site wastewater disposal system under previously submitted application form dated April 19, 1985. Please call me if there are any questions.

Very truly yours,

F. S. SWARTZ, PE
Engineer in Charge

FSS:jmp
Encl
as

cc: Mr. F. A. Lopata
Mr. A. F. Antonucci, AFA Construction Company

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1200 Blythe Boulevard
Charlotte, North Carolina 28203

May 2, 1985

Francis A. Lopata
1146 Chedington Drive
Charlotte, NC 28211

Reference: Property located at 8104 Knollwood Circle

Dear Mr. Lopata:

Receipt of the revised plan for a low pressure system of sewage disposal proposed for installation on the above referenced property, is hereby acknowledged. Upon receipt of the plan, a soil investigation was conducted in the proposed installation area. The plan was then reviewed in conjunction with the provisions of 10 NCAC 10A .1900, Laws And Rules For Sanitary Sewage Collection, Treatment, And Disposal. Our comments are listed below:

1) The intended installation area was classified unsuitable as to soil structure, texture, and depth. Such sites are not suitable for the installation of low pressure pipe systems.

2) An acceptable repair area is not available on the site.

3) Substantiating data has not been provided to indicate the proposed system would a) properly treat the effluent, b) not allow effluent to contaminate any ground or surface waters and c) not allow effluent to be exposed on the surface of the ground.

For these reasons, the plan has been disapproved.

If there are any questions concerning this matter, please contact me at 376-4603.

Sincerely,

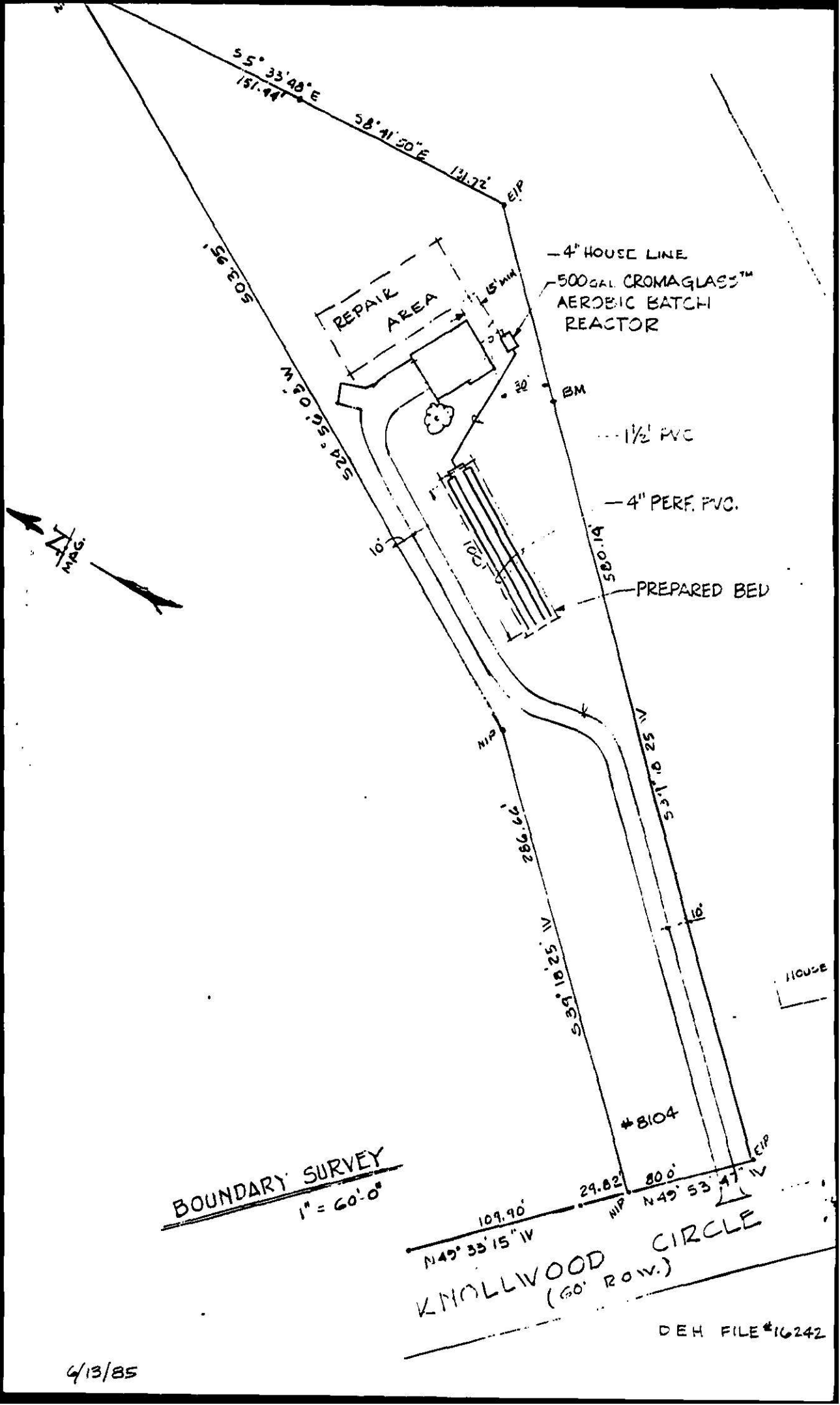
Bill D. Hardister Jr.

Bill D. Hardister, Jr.
Environmental Health Supervisor
On Premises Waste Disposal Section

BDH/kbg

Enclosure

cc: File 16242


S 5° 33' 48" E
151.44'
S 8° 41' 50" E
131.72'
EIP
S 03° 55' 25" W
4" HOUSE LINE
500 GAL. CROMAGLASS™ AEROBIC BATCH REACTOR
REPAIR AREA
15' MIN
30'
BM
1½" PVC
4" PERF. PVC.
PREPARED BED
10'
100'
580.14'
MAG.
NIP
286.64'
S 39° 18' 25" W
S 39° 18' 25" W
10'
HOUSE
#8104
EIP
109.90'
N 49° 33' 15" W
29.82'
NIP
80.0'
N 49° 53' 47" W
KNOLLWOOD CIRCLE
(60' R/W.)
BOUNDARY SURVEY
1" = 60'-0"
DEH FILE #16242
4/13/85

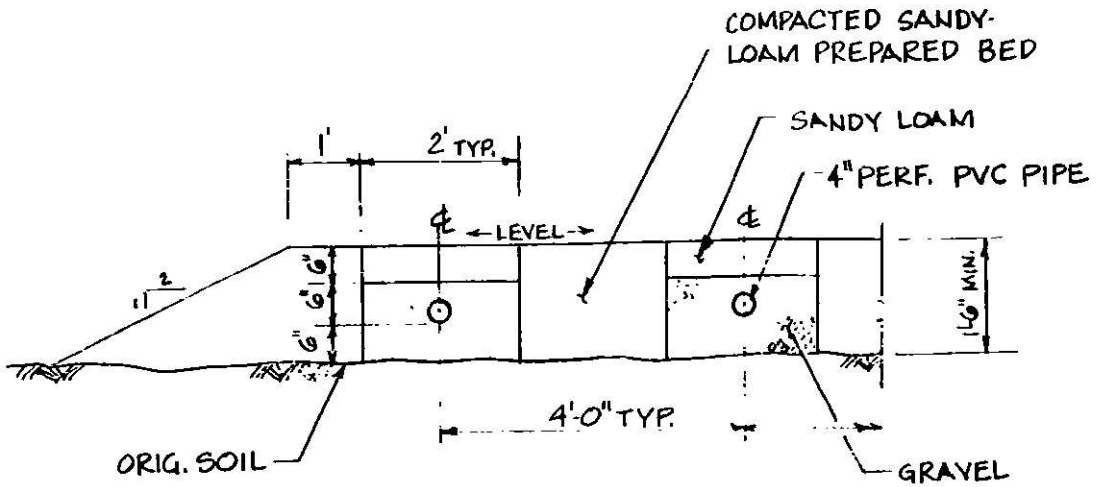
DESCRIPTION OF

MODIFIED ON-SITE WASTE DISPOSAL SYSTEM

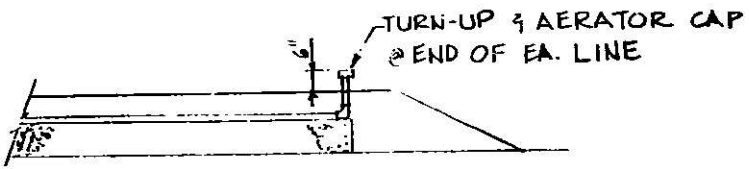
The dwelling to be constructed is a 2-bedroom house, generating 2 X 120 gpd/BR = 240 gpd.

The proposed system calls for a 500 gallon aerobic batch reactor (Cromaglass unit) and 400 LF of percolation trench (hydraulic loading rate of 0.3 gpd/SF) for secondary quality effluent.

See attached site plan for trench location and location of repair area. See sketches below for trench details.



TRENCH SECTION (NTS)



DETAIL (NTS)