

6/16/99
2108-3

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-326144

P 511922

A 56429-V

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXX 410-313-2640

DISTRICT _____

DATE 6/2/99

DATE SYSTEM APPROVED 7/23/99

INSPECTOR DLS

INDEXED

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, MD 21157

PHONE 410-875-4197

SUBDIVISION Gaither Hunt, Section I LOT 22

ROAD 11045 Dorsch Farm Road

PROPERTY OWNER NV Homes

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *INSTALL 2-1250 GALLON SEPTIC TANKS IN SERIES*

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

~~TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.~~

~~LOCATION - Place the distribution box 135 feet off the front lot line and 10 feet off the right (378.69') lot line as seen from Fox Haven Way. Run trenches on contour toward the left lot line.~~

~~NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/18/99 DLS~~

PLANS APPROVED BY Glen Savage/Amy McMillen

REVISED DATE 02/10/99

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR A2S

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

56429-V

6/18/99 WPT 2 pipe lap, of alloK toleren
 + PVC cabinet + filter inside alloK toleren
 RP 6/18/99

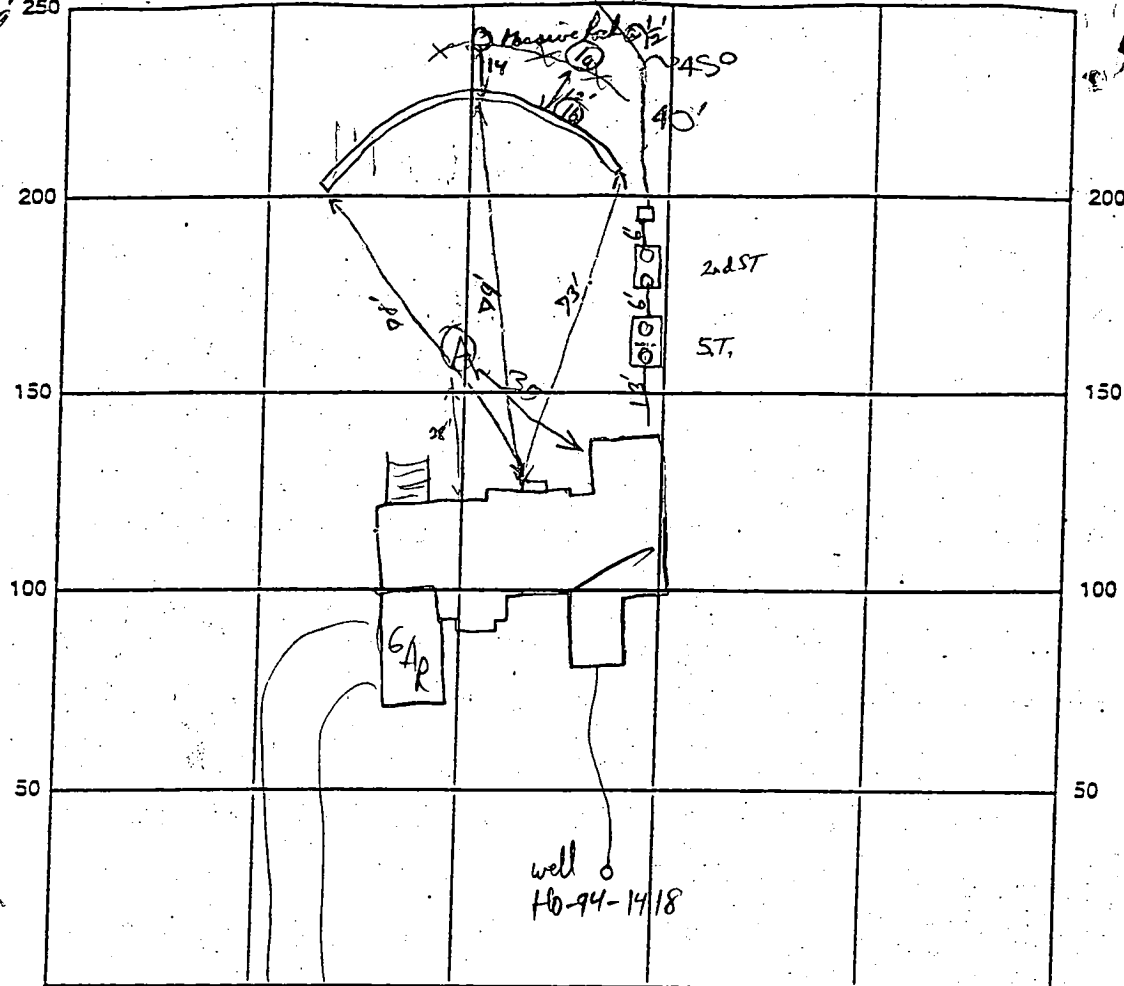
50' max
 100' rock @ 80'

200

250

PAGE 1

Test Hole A
 10' Sand Brn L
 Red-spl Brn cl-hL-hSL molo
 2 1/2' Red-spl Brn hL-SL
 4 1/2' Mix Neutral Brn + grey/white coarse
 6' No rocks seen



Future pump chamber _____

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 1500 single chamber top Sealed CLEANOUTS _____

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE DEPTH _____ FT. TRENCH WIDTH _____ FT. INLET DEPTH _____ FT.

EFFECTIVE GRAVEL DEPTH _____ FT. TOTAL LENGTH 16/2/3 80 FT.

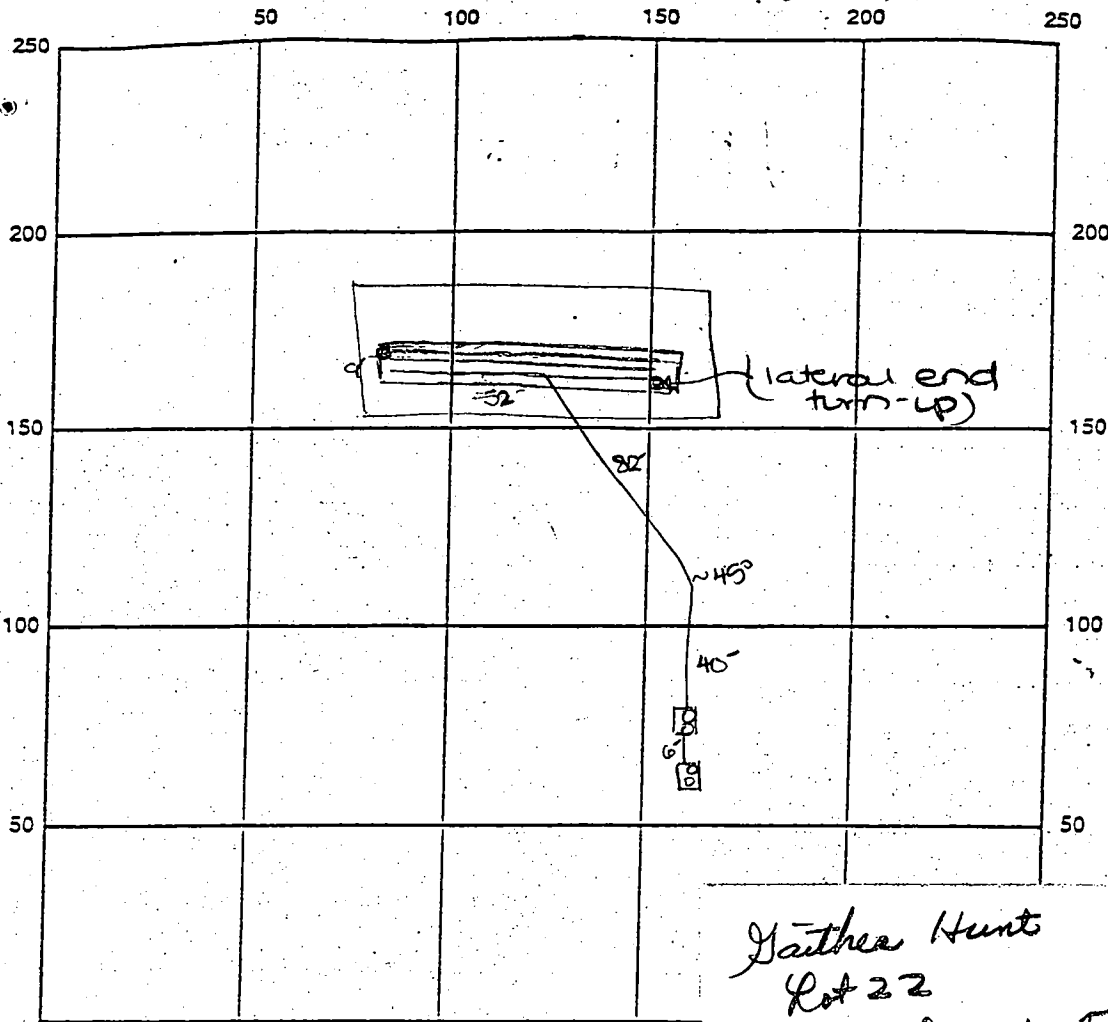
NUMBER OF TRENCHES _____ ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: lot of 2 septic tanks installed OK, Needs connecting pipes, No House connection RP 6/18/99
B.B. After installation of a 6" cleanout on each septic tank it is O.K. to cover them. No house connection. 6/16/99 Trench 1a is excessive rocky @ depth, Massive Rock Rd @ 1 1/2' below grade Near P.A. of Trench (Don't use 1a) excessive rock 35' diameter of 1a (connect to 2nd chamber).
Trench 1b is also very rocky, but at 30-45% above is marginally acceptable, Test hole A is free of rock OK to install 2 trenches between Test Hole A + Trench 1b (OK to build High Deck less than 2ft to septic Trenches in this case). Only Resair System possible would be a Sand mound over Holding Tanks. May need to raise S.T. + DB to get gravity fall to New High Trenches. RP/BB 6/18/99

DATE SYSTEM APPROVED _____ INSPECTOR _____



INDICATE NORTH - NAME ADJOINING ROAD

Gaither Hunt
 Lot 22
 11045 Dorsch Farm Rd

SEPTIC TANK LEVEL _____ CLEANOUTS _____
 DISTRIBUTION BOX LEVEL _____
 DRAIN FIELD/TITLE DEPTH _____ FT. TRENCH WIDTH _____
 EFFECTIVE GRAVEL DEPTH _____ FT. TOTAL LENGTH _____
 NUMBER OF TRENCHES _____ ONE SIDEWALL/SOTTI _____
 DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW _____
 ABSORBENT AREA _____ SQ. FT.

has two 1500 gal
 top seamed septic tanks
 with single chambers.

REMARKS: 7/19/99 Pump line installed - OK to cover.
Mound area plowed. >6" sand placed on mound site. DCS
7/20/99 Sand placement complete. Gravel bed
installed. Geotextile fabric in place. Clay and topsoil
placed on mound. DCS 7/21/99 Pumps installed. DCS
7/23/99 Pump check OK. DCS
 DATE SYSTEM APPROVED 7/23/99 INSPECTOR [Signature]

9/14/00

Gaither Hunt - lot 22

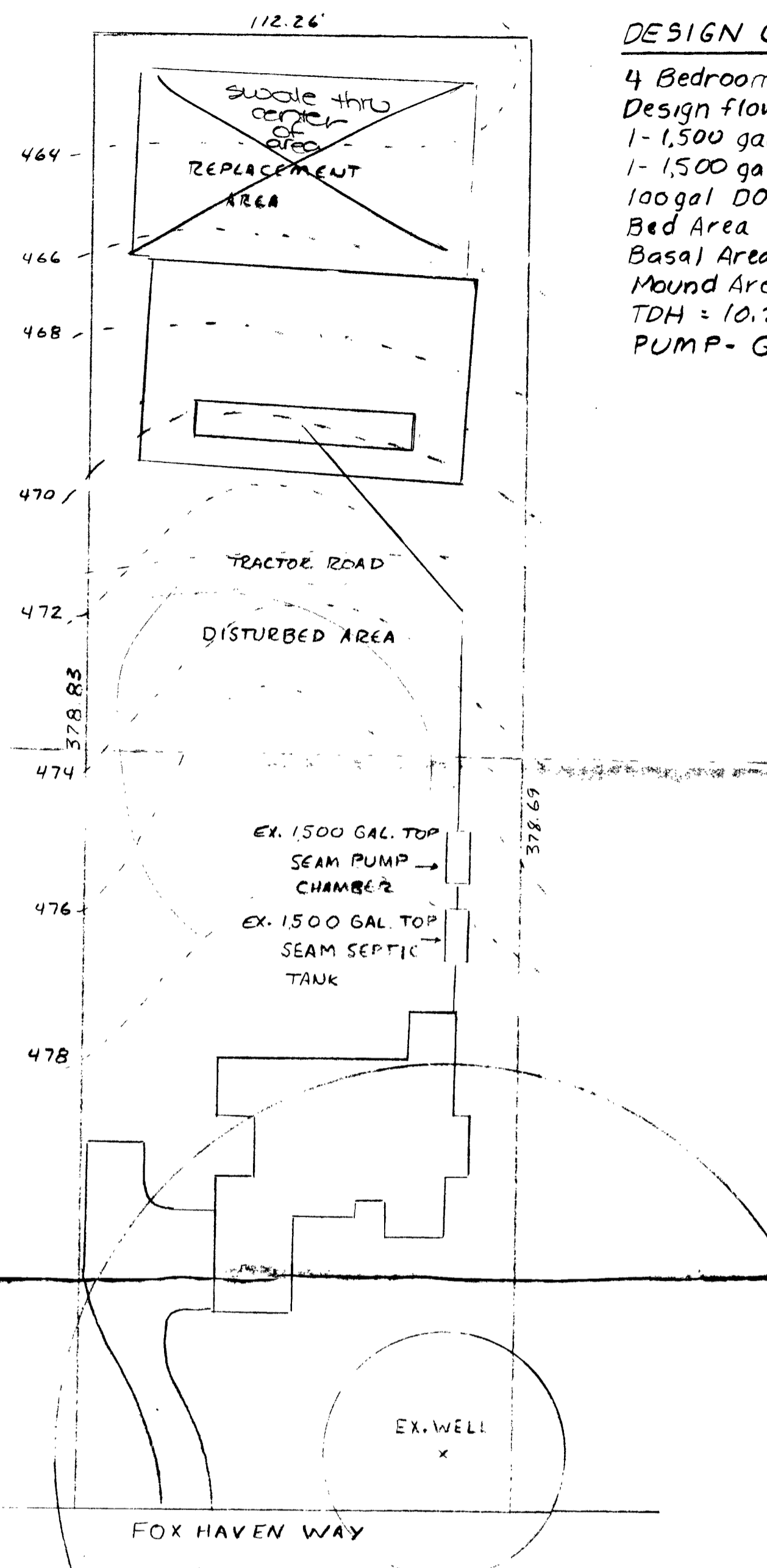
There were several proposals/attempts to adjust recorded SDA - some successful, some not.

But when they went to install the septic system, a vein of bedrock was discovered in the center of the easement. Installation was not possible. The entire 10,000 sq ft was not usable for conventional trenches.

A innovative & alternative septic sandmound was installed on the lot, but this left no repair area.

An agreement was reached (after occupancy approval was granted) to record an easement for repair on the preservation parcel.

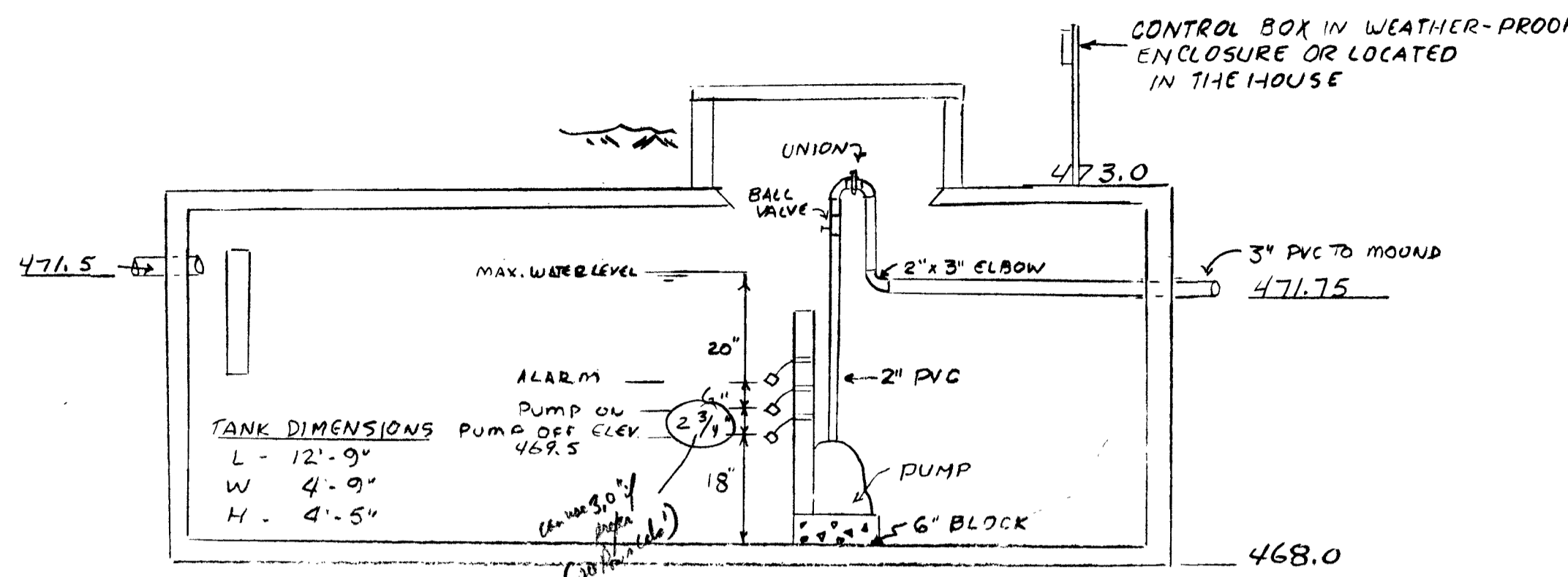
Ali



DESIGN CRITERIA

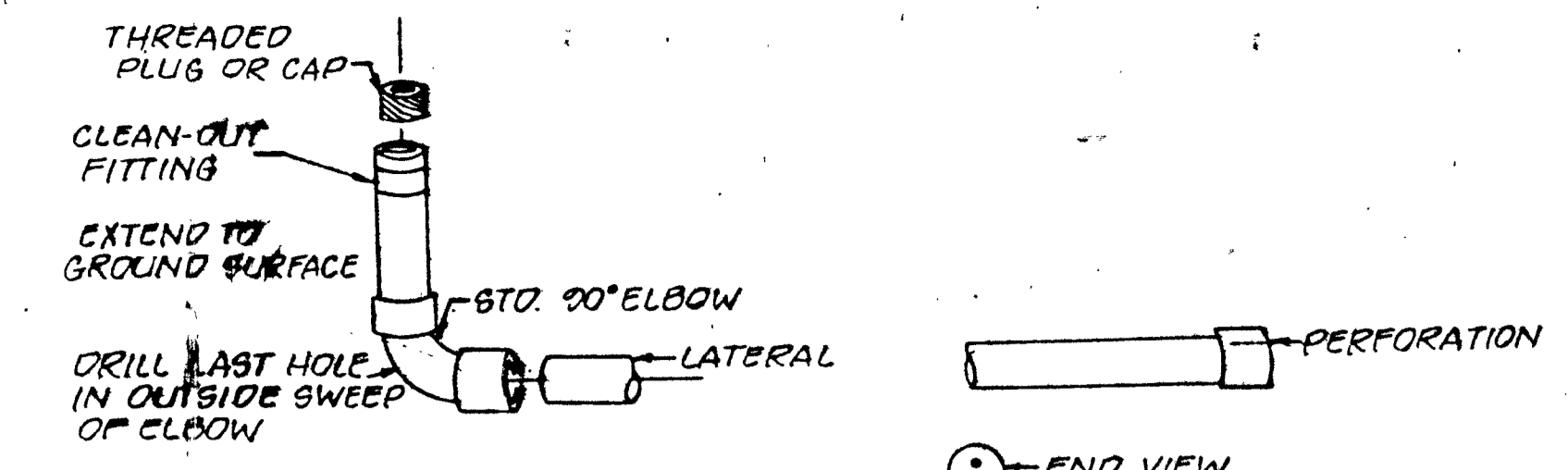
4 Bedroom House
 Design flow - 600 gpd
 1- 1,500 gal. Compartmented Septic Tank (Top seam - Ex)
 1- 1,500 gal. Pump Chamber (Top seam - Ex)
 100gal DOSE @ 78 gpm
 Bed Area = 9' x 56' = 504 Sq. Ft.
 Basal Area = 56' x 43' = 2408 Sq. Ft.
 Mound Area = 84' 8" x 51' 10" = 4385 Sq. Ft.
 TDH = 10.2'
 PUMP - GOULDS - WE03 11 L

NOTE: HIGH WATER ALARM TO BE ON SEPARATE CIRCUIT AND LOCATED IN THE HOUSE.
 ALL PIPING - 1/2", 2", 3" TO BE SCHEDULE 40 PVC

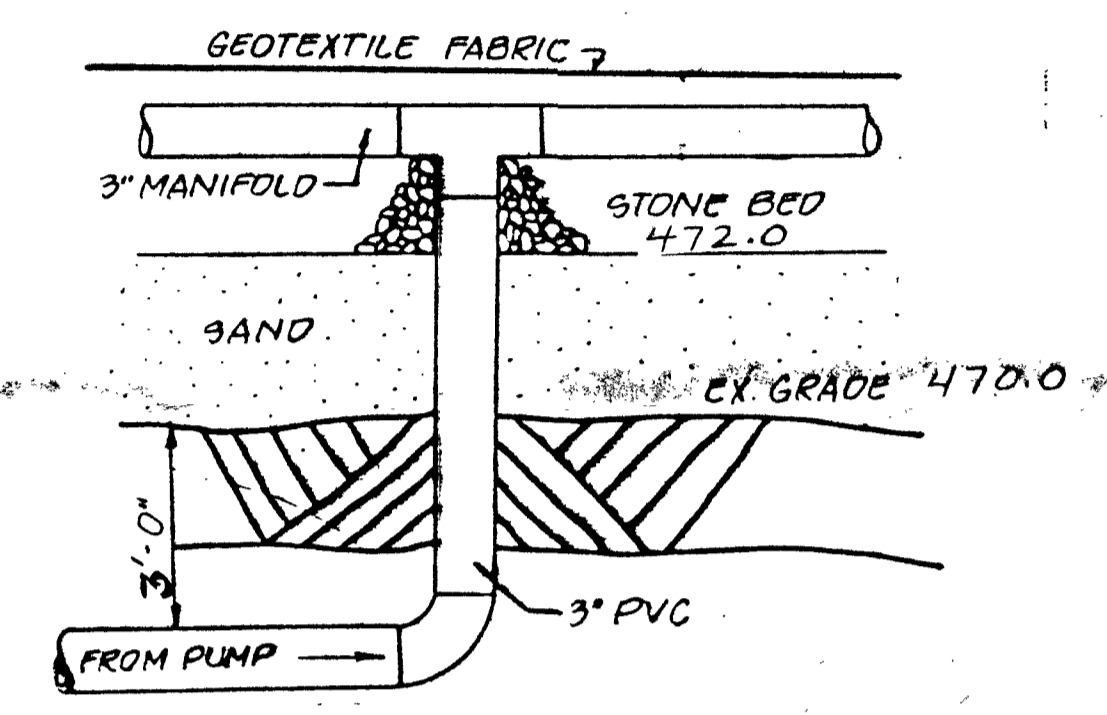
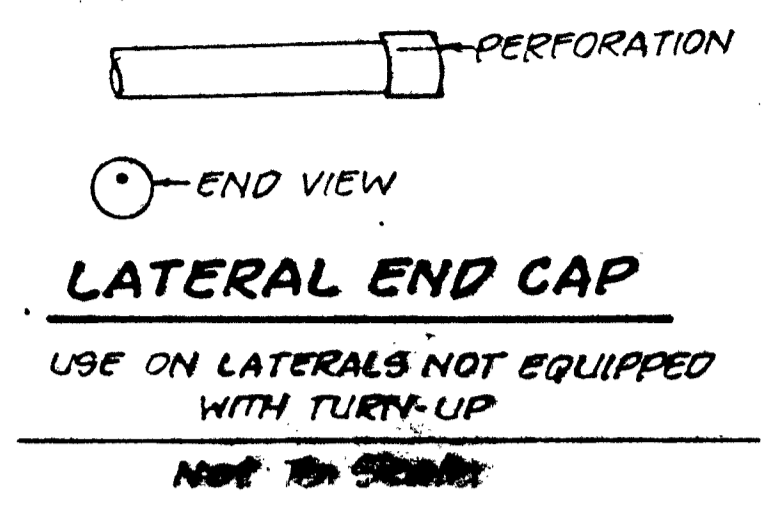


1,500 GALLON PUMP CHAMBER
 No Scale

Approved Septic System Plan
 Howard County Health Department
 Signature: *[Signature]* Date: 7/14/99



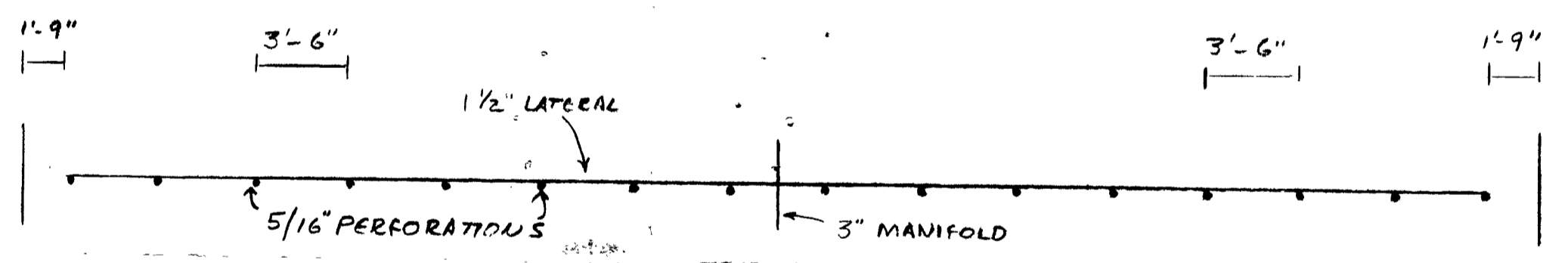
LATERAL END TURN-UP
 USE ON LATERALS FARTHEST FROM PUMP
 Not To Scale



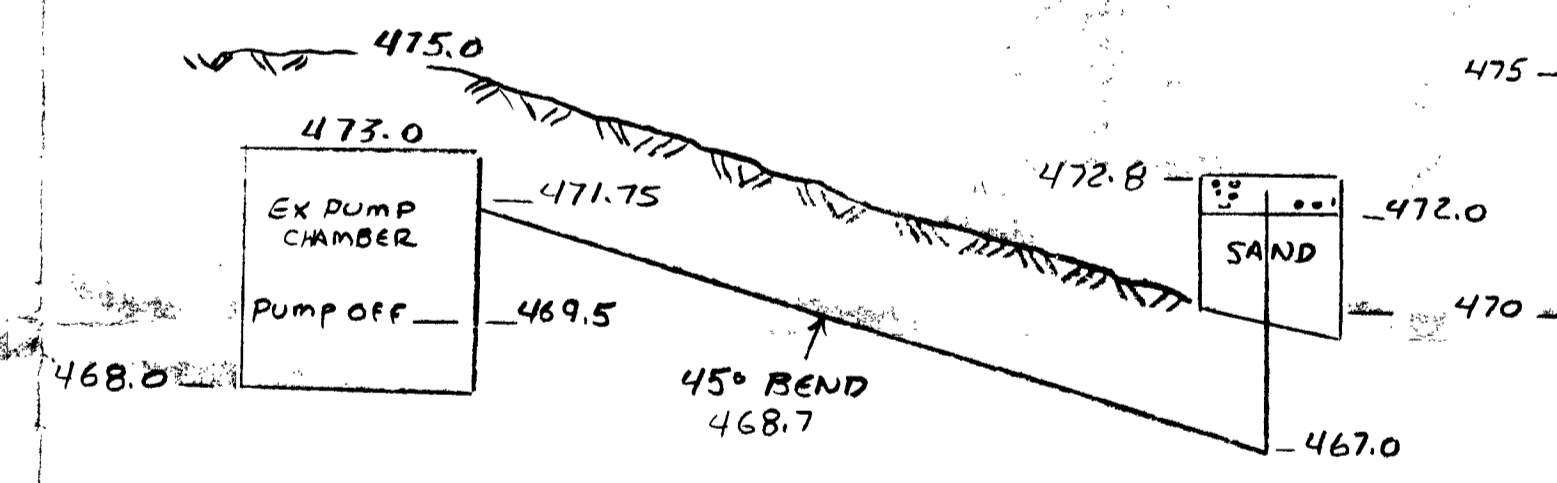
SUPPLY LINE / MANIFOLD DETAIL
 Not To Scale

Plan is OK MP 7/14/99
 Checked by me -
 Make sure installer has a copy - see for instructions
 Monday 7/19/99

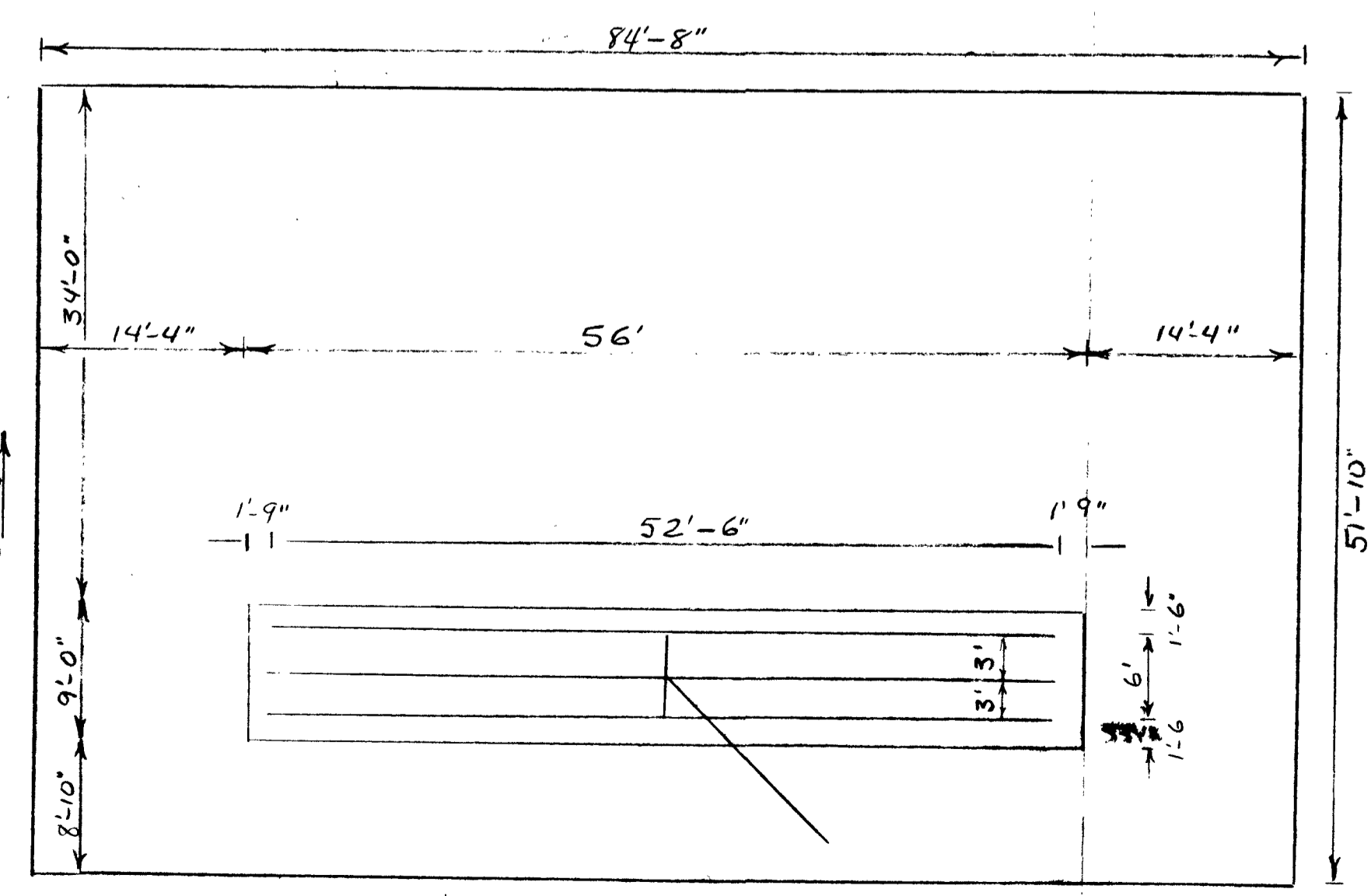
SITE PLAN
 Scale: 1" = 30'



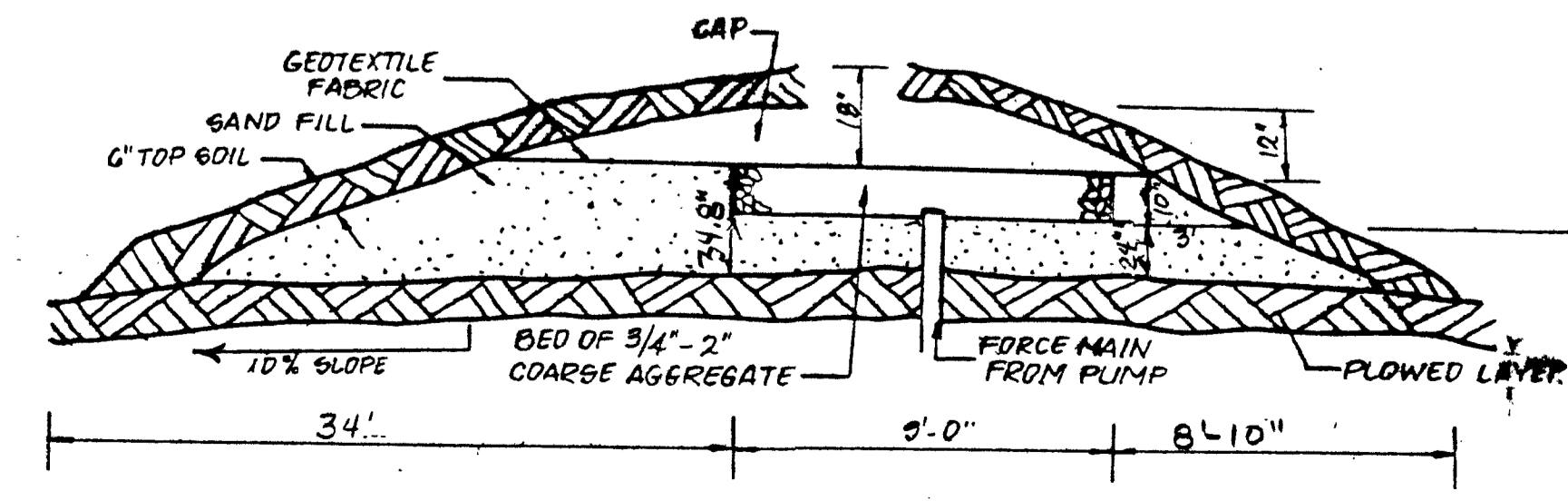
LATERAL DETAIL-TYPICAL
 Scale: 3/16" = 1'-0"



HYDRAULIC PROFILE
 Scale: V: 1/4" = 1'-0"
 H: NT S



MOUND LAYOUT
 Scale: 1" = 10'



MOUND DESIGN
 Not To Scale



APPROVED: FOR PRIVATE SEWERAGE SYSTEM BY THE HOWARD COUNTY HEALTH DEPARTMENT	
COUNTY HEALTH OFFICER	DATE
DATE	REVISION
S/E ENGINEERING, INC.	
WESTMINSTER MARYLAND	
SCALE: AS SHOWN	APPROVED BY: J.D.C.
DATE: JULY 1999	DRAWN BY: JDC
LOT 22 FOX HAVEN WAY GAITHER HUNT N.V. HOMES HOWARD CO., M.D.	
SANDMOUND	DRAWING NO. 1 OF 1

TEST DATA

NAME _____	FILE NO <u>A 56429 V</u>
LOCATION <u>Gaither Hunt - lot 22</u>	COUNTY <u>Howard</u>
<u>11045 Dorsch Farm Rd</u>	DATE <u>8/2/99</u>
RECORDED BY <u>DKS</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	1	18"-24"	10:10 10:25 10:40 10:55 11:10 11:25 11:40 11:55 12:10		8" 7 ²² / ₃₂ " 7 ²⁰ / ₃₂ " 7 ¹⁸ / ₃₂ " 7 ¹⁶ / ₃₂ " 7 ¹⁴ / ₃₂ " 7 ¹² / ₃₂ " 7 ¹⁰ / ₃₂ " 7 ⁸ / ₃₂ "	> 10/32 > 7 2/32 > 2 1/32" > 2/32 > 2 3/32 > 2 3/32 > 2 3/32 > 2 3/32 > 2 3/32
	2	18"-24"	10:22 10:37 10:52 11:07 11:22 11:37 11:52 12:07		8" 7 ¹⁴ / ₃₂ " 7 ⁸ / ₃₂ " 7" 6 ²⁶ / ₃₂ " 6 ²² / ₃₂ " 6 ¹⁸ / ₃₂ " 6 ¹⁴ / ₃₂ "	> 10/32 > 8/32 > 8/32 > 8/32 > 4/32 > 4/32 > 4/32 > 4/32

*1/4" in the
at 240 rpm
Fails*

*1/4" in 30 min
≈ 120 rpm*

TEST DATA

NAME _____	FILE NO <u>A 56429 V</u>
LOCATION <u>Gaither Hunt Lot 22</u>	COUNTY <u>Howard</u>
_____	DATE <u>8/2/99</u>
_____	GRID _____ E
RECORDED BY <u>DKS</u>	_____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	3		11:42		8"	7 14/32
			11:57		7 18/32"	> 4/32
			12:12		7 14/32"	> 4/32
			12:27		7 10/32"	> 4/32
			12:42		7 9/32"	> 4/32
			12:57		7 2/32"	> 4/32
			1:12		7"	> 2/32
			1:27			

*best packing
@ 1/4" in 1 hr
= 240 mm
Paulo*

TEST DATA

NAME <u>NV Homes</u>	FILE NO <u>A 56429 V</u>
LOCATION <u>Gaitner Hunt - Lot 22</u>	COUNTY <u>Howard</u>
<u>11045 Dorsch Farm Rd</u>	DATE <u>7/21/99</u>
RECORDED BY <u>DKS</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	1	18"-24"	10:48		8"	> 6/32
			11:03		7 ²⁶ /32	> 4/32
			11:18		7 ²⁴ /32	> 4/32
			11:33		7 ²² /32	> 4/32
			11:48		7 ²⁰ /32	> 4/32
			12:03		7 ¹⁸ /32	> 4/32
			12:18		7 ¹⁶ /32	> 4/32
			12:33		7 ¹⁶ /32	> 0/32
						<hr/> $\bar{x} = 180 \text{ mpi}$

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
 1414 Washington Road
 WESTMINSTER, MARYLAND 21157
 (410) 876-7740
 FAX (410) 840-9924

JOB LOT 22 - FOX HAVEN WAY

① SHEET NO. GAITHER HUNT OF _____

CALCULATED BY _____ DATE 7/7/99

CHECKED BY _____ DATE _____

SCALE _____

4 Bd Rm = @ 150 gpd = 600 gpd 120 min Rate =

$600 / 1.2 = 500$ sq. ft bed = 10% slope

Basal Area = @ 120 min rate = 0.25 gpd / ft² =
2400 sq. ft.

BED = 19' x 56' = 504 sq. ft.

Basal area = $2400 / 56 = 43'$
 (Down slopes $43' - 9' = 34'$)

SAUND - UP SIDE = 24"

Down Side = $24 + (0.1 \times 108) = 10.8 + 24 = 34.8"$

UP Slope = $(24 + 22) (3) (0.77) = 106" = 8' - 10"$

Side Slope = $\left(\frac{24 + 34.8}{2} + 28 \right) (3) = (29.4 + 28) (3) = 172"$
14' - 4"

MOUND AREA = $56 + 28' - 8" = 84' - 8"$ LONG

$9' + 34' + 8' - 10" = 51' - 10"$ WIDE

DOSE - 5X LATERALS = $5 \times 52.5 = 263' - 1\frac{1}{2}"$ @ 10.6 gal / 100'
 $2.63 \times 10.6 = 28$ gal = (835 gal still ≤ 100 gal base below.)

NOTE: FORCE MAIN SLOPES AWAY FROM PUMP CHAMBER -
 CAN NOT DRAIN BACK - MUST BE INSTALLED BELOW
 FROST LINE.

$600 \text{ gpd} / 6 = 100$ gal. DOSE

16 PERFORATIONS $\times 3 = 48 \times 1.63 = 78$ gpm PUMP RATE

100 gal DOSE = 13.4 cu ft. - PUMP STATION FLOOR AREA =
 $12.75' \times 4.75' = 60.6$ sq. ft. $13.4 / 60.6 = 0.22' = 2.7"$

($1\frac{1}{2}$ ft 3:0" using 2" pipe)

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
 1414 Washington Road
 WESTMINSTER, MARYLAND 21157
 (410) 876-7740
 FAX (410) 840-9924

JOB LOT 22 - FOX HAVEN WAY

(2) SHEET NO. GAITHER HUNT OF _____

CALCULATED BY _____ DATE 7/8/99

CHECKED BY _____ DATE _____

SCALE _____

TDH =

ELEV. DIFFERENCE $472.8 - 469.5 = 3.3'$
 DISTAL HEAD $2.0'$

F =

2" - $6' + \text{VALVE} + \text{EL} + \text{UNION} + \text{EL} + \text{EL}$
 $6' + 1.3 + 7 + 2 + 7 + 7 = 30.3'$

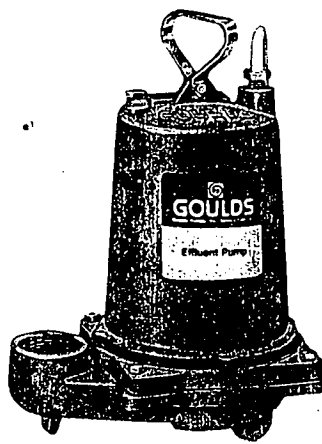
$78 \text{ gpm} - F = 0.0984 \frac{Q^{1.85}}{d^{4.87}} = 0.0984 \frac{3165}{29.24} = 10.7'/100'$

$0.303 \times 10.7 = \underline{3.25'} (2'')$

3" - $120' + 45^\circ + \text{EL} + \text{T}$
 $120' + 6 + 10 + 15 = 151'$
 $1.05 \times 1.51 = \underline{1.6'} (3'')$

TDH = $3.3 + 2.0 + 3.25 + 1.6 = 10.2'$

PUMP = $78 \text{ gpm} @ 10.2' \text{ TDH}$ GOULDS - WE 03 11 L
 $1/3 \text{ hp} - 115 \text{ V} - 1 \text{ ph.}$ OK 7/16/99 JPP



Goulds Submersible Effluent Pump

MODEL

3885

CANADIAN STANDARD ASSOCIATION



APPLICATIONS

Specifically designed for the following uses:

- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems

SPECIFICATIONS

Pump:

- Solids handling capabilities: ¾" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 128 GPM.
- Total heads: up to 123 feet TDH.
- Mechanical seal: silicon carbide-rotary seat/silicon carbide-stationary seat, 300 series stainless steel metal parts, BUNA-N elastomers.
- Temperature: 104°F (40°C) continuous 140°F (60°C) intermittent.
- Fasteners: 300 series stainless steel.
- Capable of running dry without damage to components.

Motor:

- Single phase: ½ HP, 115 or 230 V 60 Hz, 1750 RPM; ½ HP, 115 V, 60 Hz, 3500 RPM; ½ HP - 1½ HP, 230 V, 60 Hz, 3500 RPM. Built-in overload with automatic reset. Class B insulation.

- Three phase: ½ HP - 1½ HP 200/230/460 V, 60 Hz, 3500 RPM. Class B insulation, overload protection must be provided in starter unit.
- Shaft: threaded, 400 series stainless steel.
- Bearings: ball bearings upper and lower.
- Power cord: 20 foot standard length (optional lengths available). Single phase: ½ and ½ HP - 16/3 SJTO with three prong plug. ¾-1½ HP - 14/3 STO with bare leads. Three phase: ½-1½ HP - 14/4 STO with bare leads. On CSA listed models - 20 foot length SJTW and STW are standard.

FEATURES

Impeller: Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge adaptable for slide rail systems.

Mechanical Seal: Silicon carbide vs. silicon carbide sealing faces. Stainless steel metal parts, BUNA-N elastomers.

Shaft: Corrosion-resistant stainless steel. Threaded design. Locknut on three phase models to guard against component damage on accidental reverse rotation.

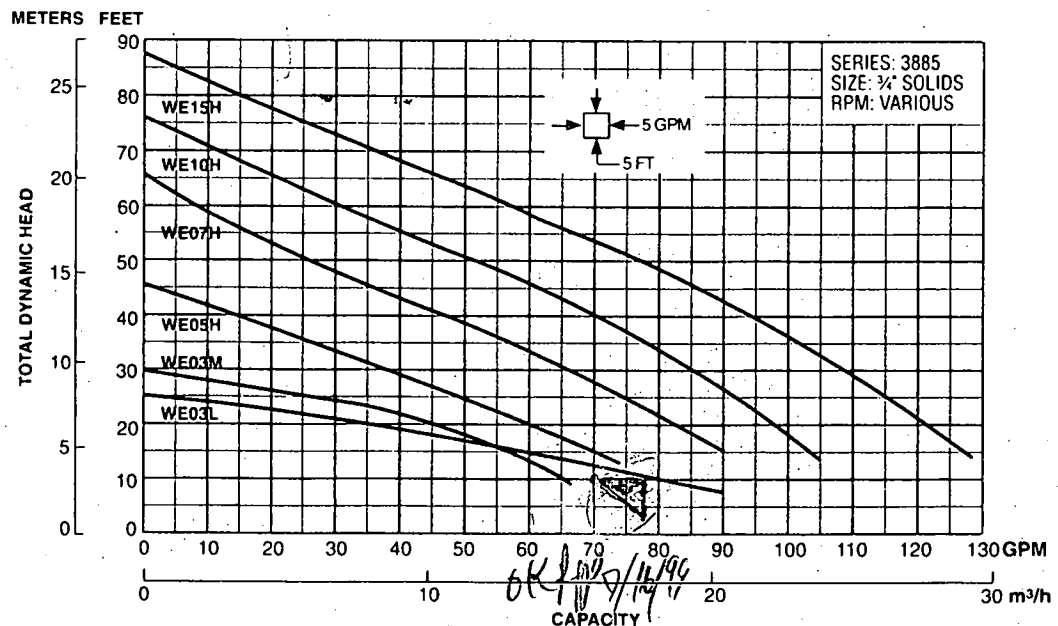
Motor: Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.

Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage.

Bearings: Upper and lower heavy duty ball bearing construction.

Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking.

O-ring: Assures positive sealing against contaminants and oil leakage.



HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043

FAX: 313-2648 PHONE: 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # _____ Date 6/26/99
Name of Installer ROBERT L. FEEZER CO., INC. Telephone 410-781-4651
License Number 2122
Certified Well Pump Installer Well Driller _____ Registered Plumber
Name of Property Owner NV-Homes Telephone 410-795-1405
Subdivision GRATHER HUNT Lot # 22 Well Tag # HO-94-1418
Site Address 11045 DORSEY FARM ROAD

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible
2. Make FOUNTAIN WALL
3. Model # 4P67505301
4. Capacity 7 GPM
5. Pump exceeds well capacity Yes _____ No
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Motor
1. Horsepower 1/2
2. RPM 3450
3. Voltage _____
a. 110 _____
b. 220 _____

Pitless Adapter
1. Make HOXUMED
2. Model # PT500
3. Depth 42"

Tank WELL-X-TANK
WELL-X-TANK
1. Capacity 36 GALS.
2. Pressure relief valve? YES

Piping
1. Type Poly.
2. Size 1"
3. NSF and/or BOCA Code approved YES
4. Depth of supply line 42"

Well data
1. Depth 200 ft.
2. Yield 15 GPM
3. Static water level _____ ft.
4. Will water supply be disinfected by installer? YES

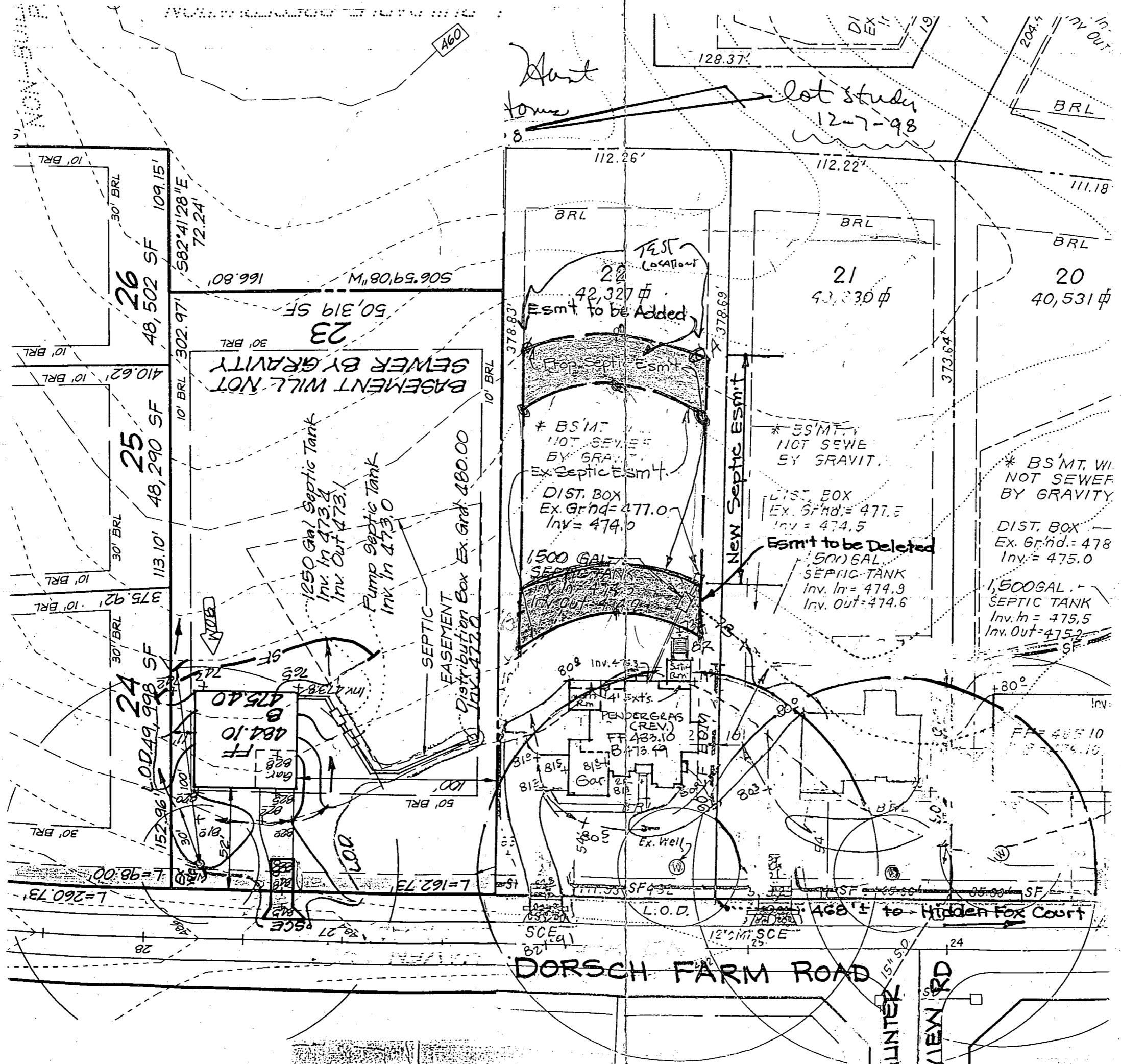
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Robert L. Fezer

Date: 6/26/99

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.



Hunt
 Home
 lot study
 12-7-98

HEALTH DEPARTMENT
 DEC 23 1998
RECEIVED

Lot 22
 GAITHER HUNT
 Section 1 Area 1
 Scale 1" = 50'

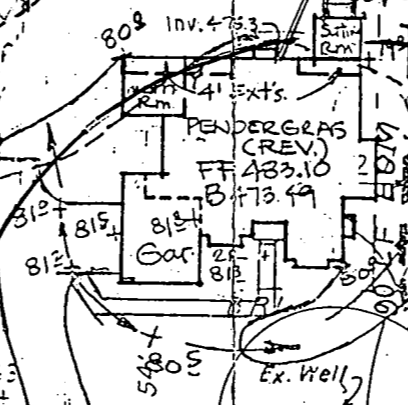
BASEMENT WILL NOT
 SEWER BY GRAVITY

TEST
 LOCATION
 22
 42,327 sq ft
 Esmt to be Added

* BSMT
 NOT SEWER
 BY GRAVITY
 Ex. Septic Esmt
 DIST. BOX
 Ex. Grnd = 477.0
 Inv = 474.0

* SSMT
 NOT SEWER
 BY GRAVITY
 DIST. BOX
 Ex. Grnd = 477.5
 Inv = 474.5
 Esmt to be Deleted
 500 GAL
 SEPTIC TANK
 Inv. In = 474.9
 Inv. Out = 474.6

* BSMT, WI
 NOT SEWER
 BY GRAVITY
 DIST. BOX
 Ex. Grnd = 478
 Inv = 475.0
 1,500 GAL
 SEPTIC TANK
 Inv. In = 475.5
 Inv. Out = 475.2



DORSCH FARM ROAD

468' to Hidden Fox Court

WINTER
 VIEW RD

APPLICATION

PERCOLATION TESTING

A 56429V

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 4-19-96

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER J Thomas Servenot N V HOMES

ADDRESS c/o Land Design & Development PHONE 410 740 5176

AGENT OR PROSPECTIVE BUYER Donald R. Rewer Jr

ADDRESS 10805 Hickory Ridge Rd PHONE _____
21044

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 221

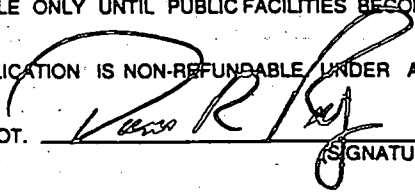
ROAD AND DESCRIPTION 11045 Dorsch Farm Road

TAX MAP 29 PARCEL # 21

SIZE OF LOT 1 + Acres TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMITS SIGNED
AND RETURNED 3-8-99
Serial # B00115984
SFD - 4 Bero.

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.



(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

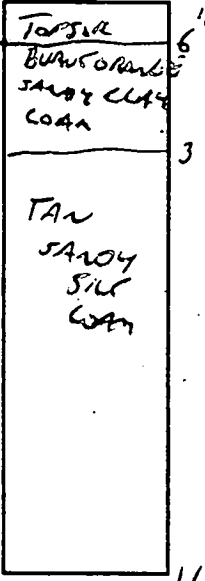
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

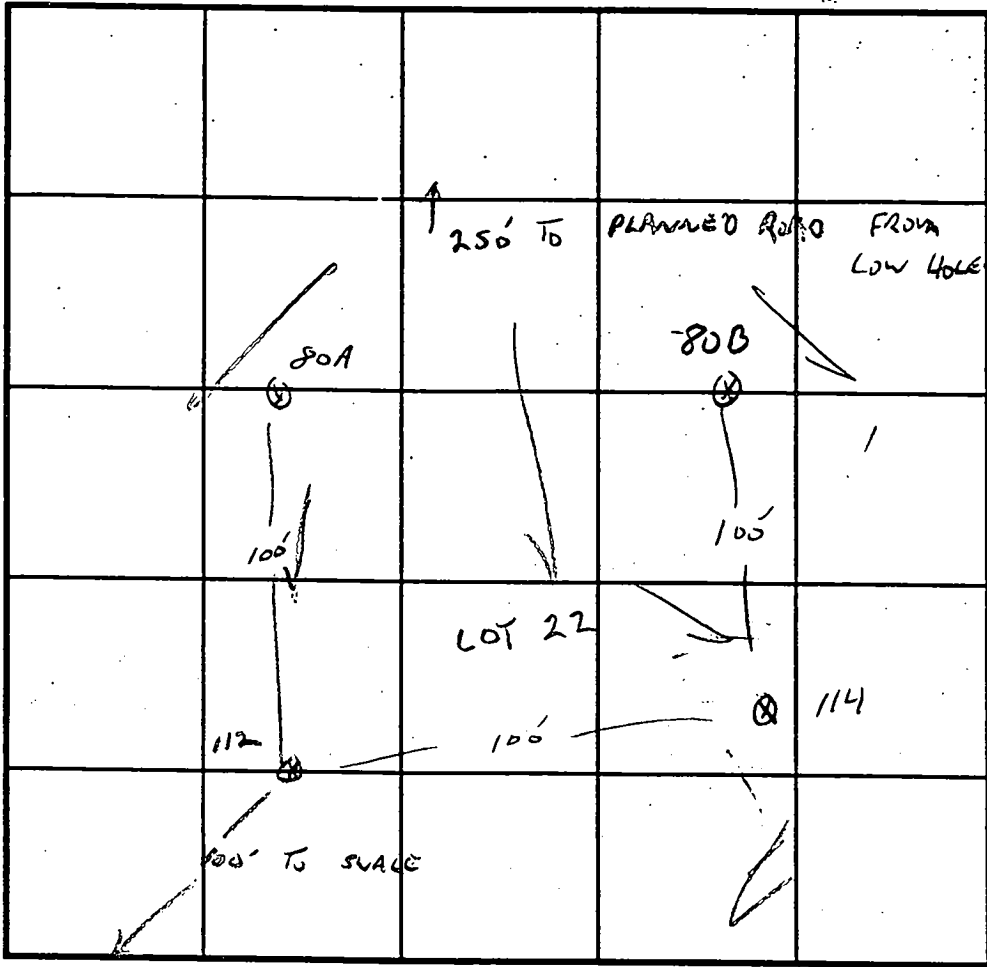
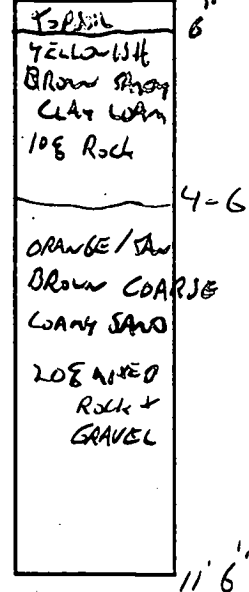
THIS IS NOT A PERMIT

A56429V
COUNTY #

SOIL PROFILE 80A



SOIL PROFILE 80B .112



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-19-96	112	5' / 11.6"	11:12	TRENCHES IN 1 MW			
	REORG	5'	11:16	11:20	11:20	11:26	6 MW
	80A	5' / 11"	11:22	11:25	11:25	11:30	5 MW
	114	5.6' / 11"	11:30	11:38	11:38	1:54	16 MW
	80B	4.6' / 10.6"	11:42	NO MOVEMENT	TEST STOPPED		
	80B	5.6'	12:05	12:07	12:07	12:11	4 MW

REMARKS LOT 38 HOLES OUGHS HIGHER THAN PLAN
 TYPE OF SOIL LOT 22 (NEW)
 TESTED BY G. SAVAGE ALSO PRESENT JOHN REUMER AXE + MIKE
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 8 MIN TRENCH WIDTH 3
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180

PERC CERT AOS. 7.13.98

HUNTERS VIEW ROAD

UNBUILDABLE
SITUATION
E

HAVEN

WAY

HIDDEN FOX COURT

Ex. Well

Well 19

Septic Easmt

Well

Well 50' BRL
Prop. Hse.

Well 50' BRL
Prop. Hse.

Well

482

480

478

476

474

472

Well

Septic Easmt

480

21
10' BRL
30' BRL

22
10' BRL
30' BRL

Septic Easmt

470

468

466

464

462

25

26

478
476

474

472

470

468

460

UN-BUILDABLE

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

*1-19-98 TENTATIVE
10:00 PROPOSED
ADJUSTMENT TO RECLOSED
S.D.A.*

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER N.V. Homes, Inc.

ADDRESS 2200 Defense Highway, Suite 301 PHONE (410) 721-4703
Crofton, MD 21114

AGENT OR PROSPECTIVE BUYER N.V. Homes, Inc.

ADDRESS 2200 Defense Highway, Suite 301 PHONE (410) 721-4703
Crofton, MD 21114

PROPERTY LOCATION:

SUBDIVISION Gaither Hunt 1/1 LOT NO. 22

ROAD AND DESCRIPTION Lot 22 is located 468 feet[±] north of Hidden Fox Court, east of Dorsch Farm Road. The Lot is 111.19 feet wide 378 feet[±] rectangular in shape and fronts on a 50 foot open ditch public R/W. The property slopes from front to back

TAX MAP 29 PARCEL # 21 & 322

Single Family Detached

SIZE OF LOT 42,327 sq. ft. TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

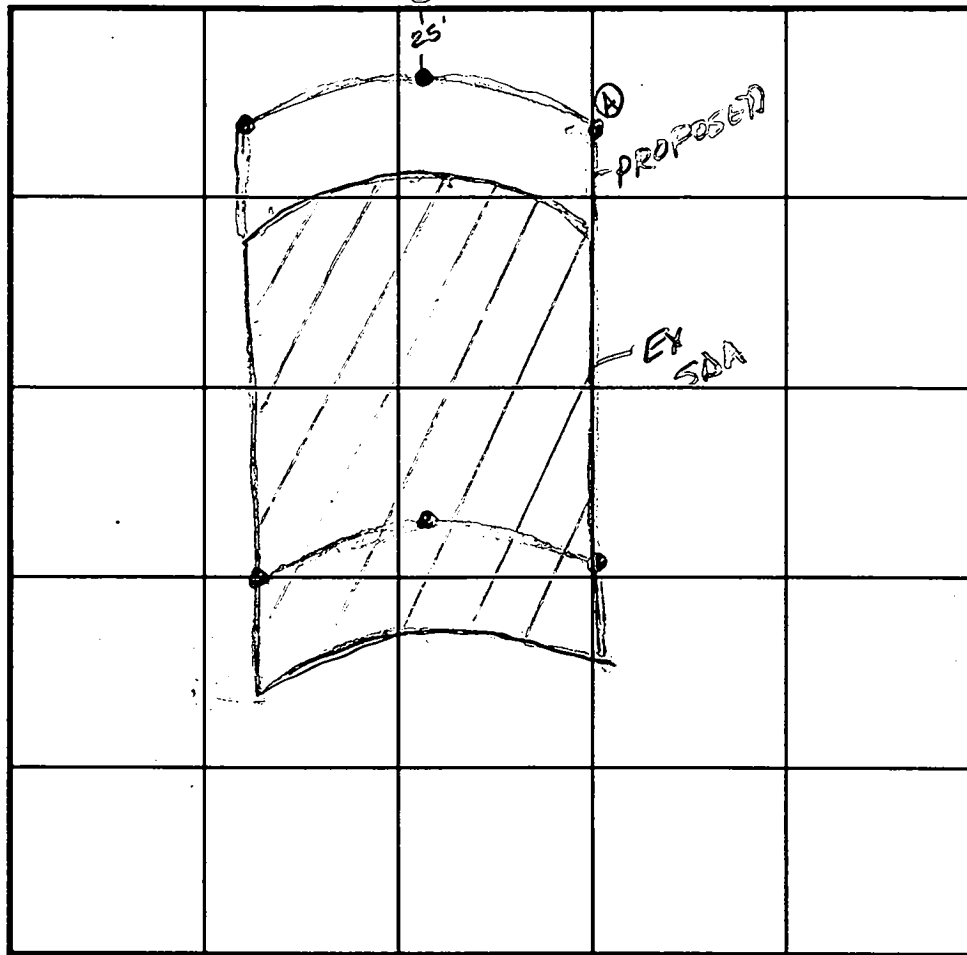
SOIL PROFILE

0' A
 or red
 SiClm

2.0
 dull
 brn/blk
 Sa
 gravelly
 refusal
 @
 8.0'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

2/1

B
 or red
 SiClm

2.0
 like
 A
 potential
 H₂O

9.0 refusal

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-19-98	A, B	See profile	insufficient				
		depth to potential H ₂ O					F

REMARKS _____

TYPE OF SOIL _____

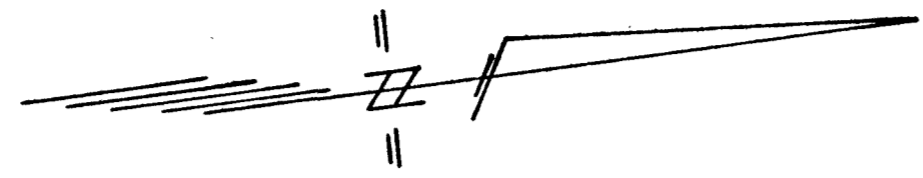
TESTED BY Amy McMillen ALSO PRESENT Kenny Schissler

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

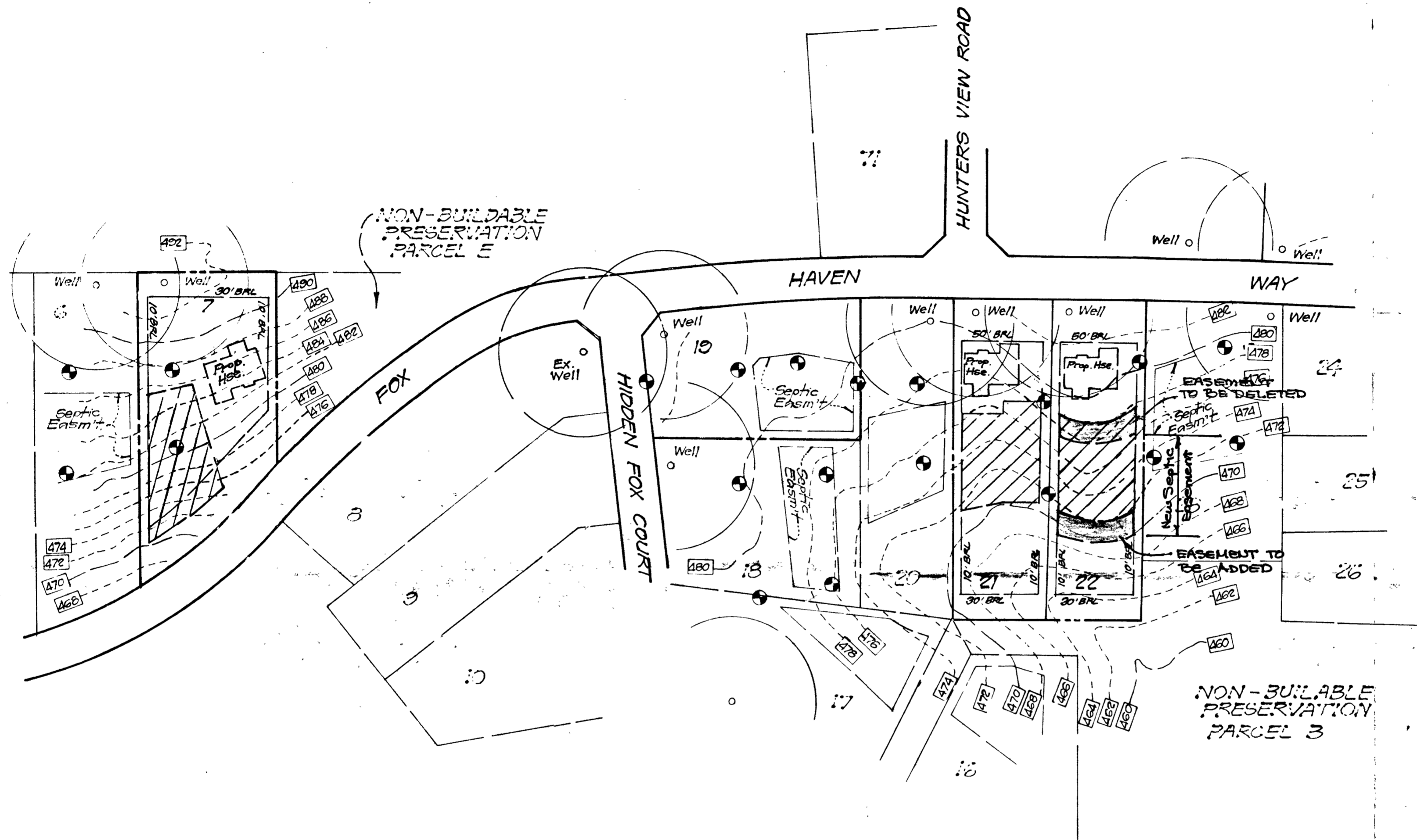
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

LEGEND

- Contour Interval 2 Ft
- Existing Contour
- Passed Percolation Test Pit



RECEIVED
 DEC 23 1998
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING



GENERAL NOTES

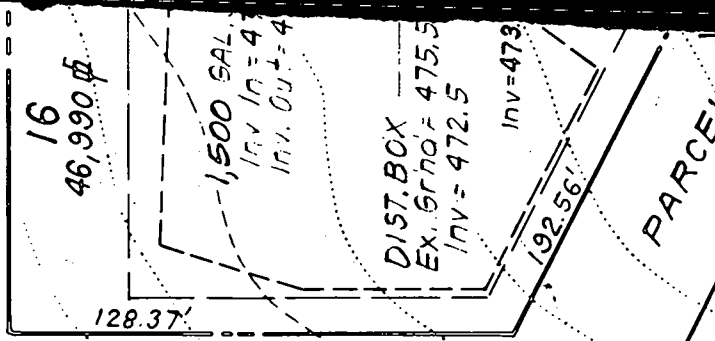
1. Existing topography was taken from plans prepared by Fisher, Collins and Carter, Inc.
2. All existing and proposed septic systems and wells within 100' feet of the adjoining property have been shown.
3. This area designates a private sewerage easement of 10,000 sq. ft. as required by The Md. State Dept. of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system.
4. No grading shall be performed over any portion of a septic easement unless specifically approved by the Health Dept.
5. The purpose of this plat is to adjust the individual private easements for lots 7, 21 and 22 of Gaither Hunt, Section 1 Area 1.

APPROVED: For onsite private water and sewerage systems, Howard County Health Dept. Bureau of Environmental Health.

Joselyn Boyd 7-13-98
 County Health Officer Date

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH.		
DESIGNED	PERC CERTIFICATION PLAT Lots 7, 21 and 22 GAITHER HUNT <i>Signed</i> SECTION 1 AREA 1 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=100'
DRAWN	BAL	DRAWING 4 OF 1
CHECKED	J.M.E.	JOB NO.
DATE	6-24-98	FILE NO. 98-008x
For: N.V. HOMES 2200 Defense Highway #301 Crofton, Maryland 21114		

18 from
 to Leesbu
 ow new septic es
 usement and move hse
 sed septic esmt & add notes
 D. lot 66 to clear 100' behind
 E & GRD. LOT 21 FROM GEN BOX TO KING'S
 E & GRD. LOT 22 FROM GEN BOX TO PENDERG
 SE & GRD. LOT 20 FROM GEN BOX TO POTOMAC II
 septic esmt. lot 22, as approved by Ho. Co. Health
 add extra parking paving to lot 66
 add 3 car gar. to rise. lot 22 and add extra septic tank
 and add 2-15'x15' drywells to lot 21
 FREE FT. TO BRL 3-2-99

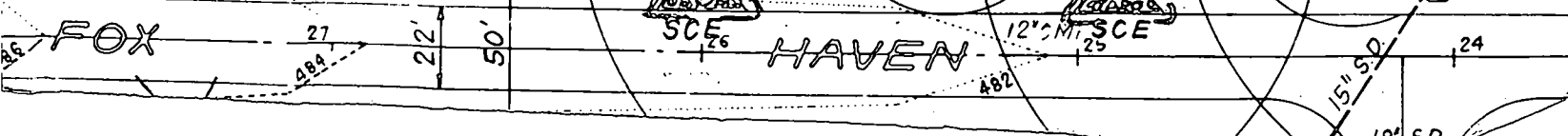
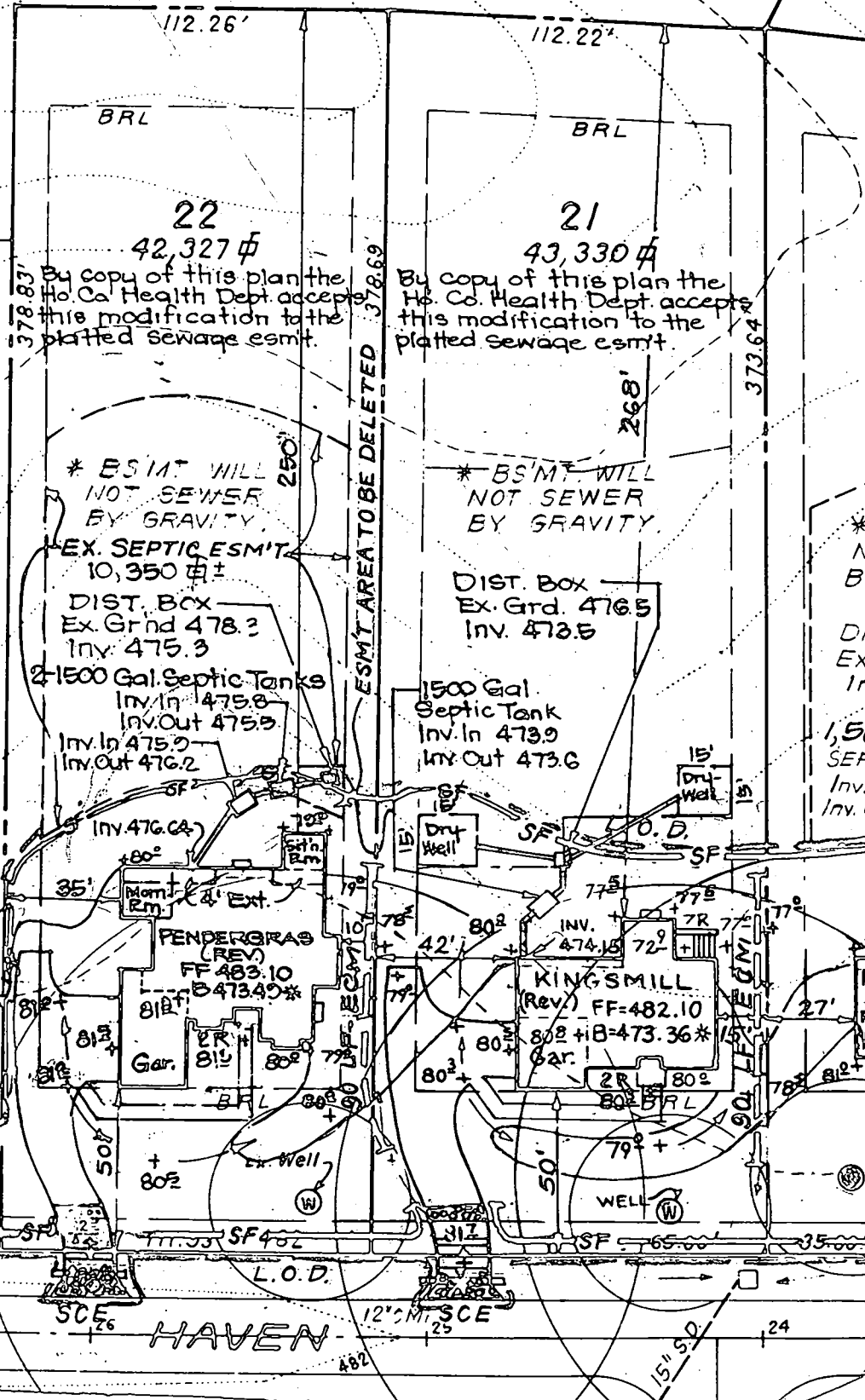


Approved Septic System Plan
Howard County Health Department

Signature Ann M. Mell Date 3/8/99
 468

- Total linear feet of trench required 240 feet
- Width of trench(es) 30 feet
- Depth of trench(es) 50 feet
- Depth of stone required below distribution pipe 2.0 feet

NOTE:
 LOCATION OF
 DOUBLE WELLED
 EXIT TO BE
 DETERMINED AT
 LATER DATE.



3-8-99

Gaither Hunt Lot 22 - Sequence of events (overall)
exact details have been lost:

Owner applied for perc test to adjust SDA
down hill

Perc test failed for water table which makes
lower portion of SDA suspect.

Builder came in - it was negotiated that they
could put the house where it ~~was~~ ^{is} ~~is~~ ^{is} approved on the BP plan if they
installed 2 septic tanks for additional
treatment - this will make the system
last longer

A McMulle

C1 05117 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER H56429-V

ST/CO USE ONLY DATE RECEIVED MM 3-5-98

DATE WELL COMPLETED 02-26-98

Depth of Well 22 200 26 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL 170-94-1418

OWNER Woodlot Enterprises STREET OR RFD 1st name Manor Lane TOWN Wilde Lake SUBDIVISION Gaither Overlook SECTION LOT 22

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries like ORANGE SILT SOIL, LIGHT TAN SILT SOIL, etc.

GROUTING RECORD Form with checkboxes for YES/NO, CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS, DEPTH OF GROUT SEAL.

CASING RECORD Form with checkboxes for STEEL, CONCRETE, PLASTIC, OTHER, MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING (if used) Form with fields for diameter and depth.

SCREEN RECORD Form with checkboxes for STEEL, BRASS, OPEN HOLE, PLASTIC, OTHER, screen type or open hole.

PUMPING TEST Form with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL.

PUMP INSTALLED Form with fields for DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER: A, E, P

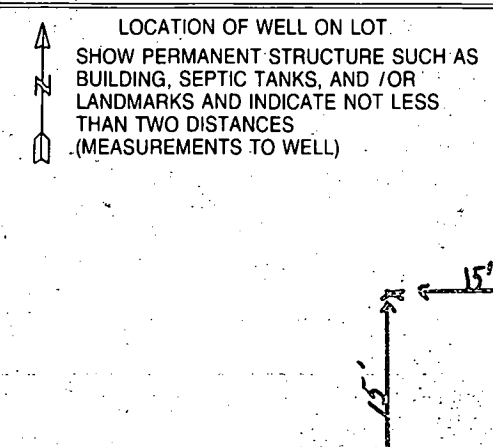
DRILLERS LIC. NO. MWD 355 DRILLERS SIGNATURE

LIC. NO. MWD 546 SITE SUPERVISOR SIGNATURE

DEPTH (nearest ft.) Table with columns for casing depth and screen depth.

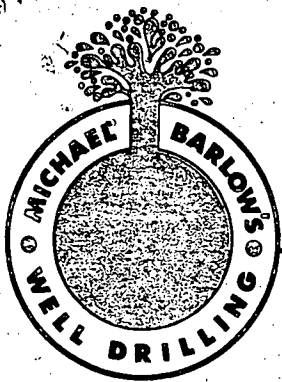
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q



Right Prop Line

OK KM 6-25-98



MICHAEL BARLOW'S WELL DRILLING & Service, Inc.

912 FAWN COURT · JOPPA, MARYLAND 21085 · (410) 838-6910 FAX (410) 838-3582

Michael Barlow
(410) 838-6910

Date Test Completed: 2/26/98

page 1 of 1

Well Depth: 200 feet

Permit No. HO 94 1418

Subdivision Gathers Overlook

Section _____

Lot 22

Road Manor Lane

District _____

	Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
1	10:00	23	4sec.	15
2	10:15	38	4sec.	15
3	10:30	56	4sec.	15
4	10:45	56	4sec.	15
5	11:00	56	4sec.	15
6	11:15	56	4sec.	15
7	11:30	56	4sec.	15
8	11:45	56	4sec.	15
9	12:00	56	4sec.	15
10	12:15	56	4sec.	15
11	12:30	56	4sec.	15
12	12:45	56	4sec.	15
13	1:00	56	4sec.	15
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				

} 33'

B 1 2019 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL STATE PERMIT NUMBER HO-94-1418
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) please print or type fill in this form completely.

Date Received (APA) 1-5-98
OWNER INFORMATION
 Last Name WOOD Owner LOT ENTERPRISES First Name
 Street or RFD 5026 DORSEY HALL De Site 204
 Town ELICOTT CITY MD State MD Zip 21042

B 3 LOCATION OF WELL
 COUNTY Howard
 SUBDIVISION GATHER OVERLOOK
 SECTION 44 LOT 22
 NEAREST TOWN WILD LAKE
 MILES FROM TOWN (enter 0 if in town) 4 M I

DRILLER INFORMATION
 Driller's Name MICHAEL BARLOW License No. MWD 355
 Firm Name MICHAEL BARLOW WELL DRILLING SR. INC.
 Address 912 FAUN CT JOPPA, MD 21085
 Signature [Signature] Date 2-3-98

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 NEAR WHAT ROAD MANE LANE
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD 1500 FT
 ENTER FT OR MI. TAX MAP: BLK: PARCEL:

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 5
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED-IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME Howard COUNTY NO. A 56429-V
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED 2-10-98 Kim Minto 2-10-99
 NORTH GRID 830.00 EAST GRID 514.00

APPROXIMATE DEPTH OF WELL 200 FEET
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

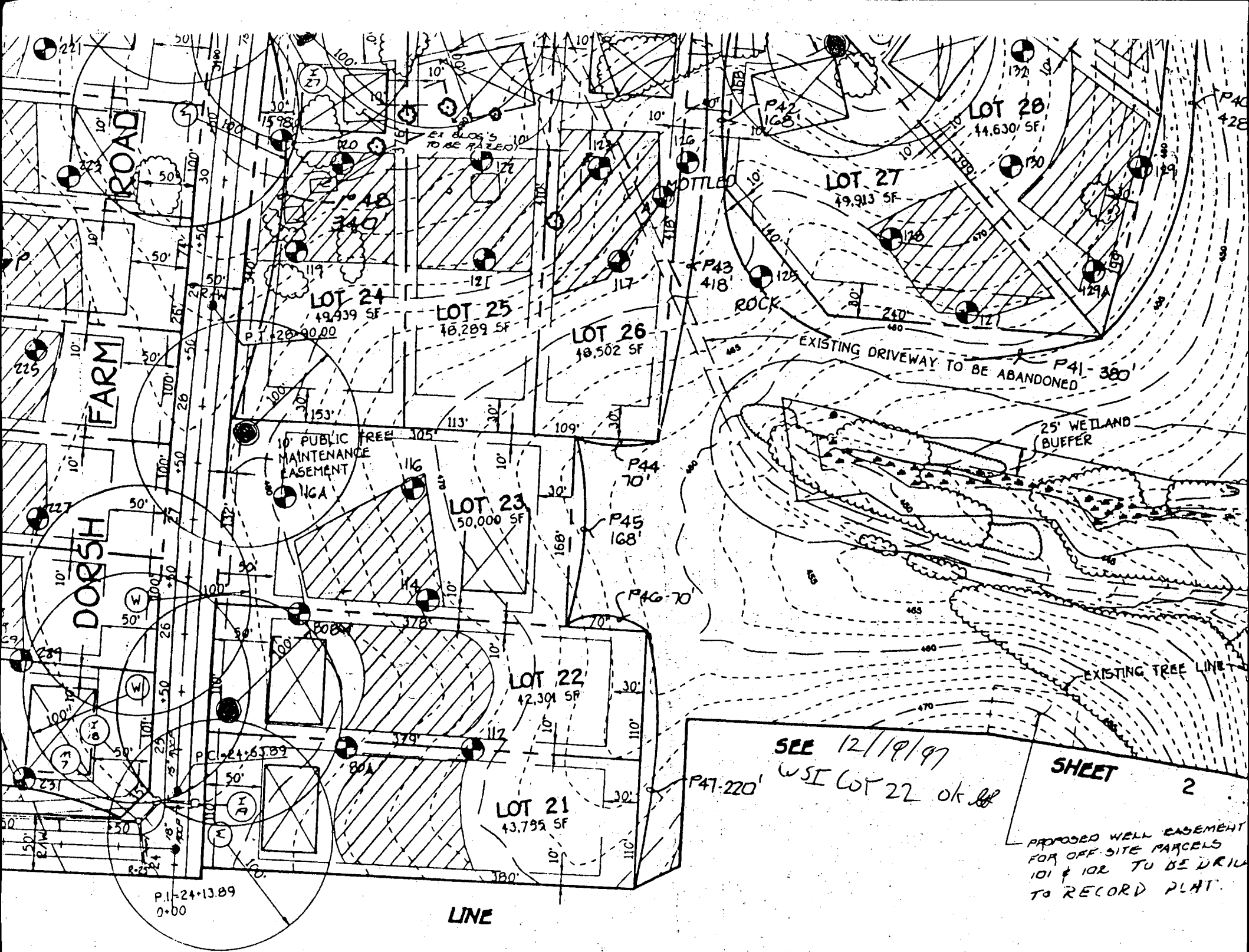
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. 2/23/98
 2. Grout 12:00
 3. NO insp
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 52014
 N 830

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

 COUNTY

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G.A.P. _____
 FORCE Km WRITE INITIALS IN BOX PERMIT No. HO-94-1418
 SPECIAL CONDITIONS _____
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



RUSSELL DEVELOPMENT, LLC
8808 CENTRE PARK DRIVE, SUITE 209
COLUMBIA, MARYLAND 21045
PHONE (410)-964-5522 FAX (410)-964-2620

December 13, 1999

Ms. Cindy Hamilton
Howard County Department of Planning and Zoning
3430 Court House Drive
Ellicott City, Maryland 21043

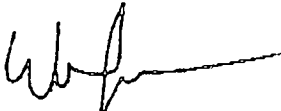
RE: Gaither Hunt Lot 22 Septic Reserve Area

Dear Cindy:

As requested in your October 26, 1999 letter, Russell Development, LLC has recorded the septic reserve area easement benefiting Lot 22 in Gaither Hunt. The current owner of Lot 22 (Caroline Ardolini) has also signed a letter indicating her awareness of this easement.

I have attached both of these items for your files. If you need any additional information from me concerning this issue please let me know. Thank you for your cooperation with the establishment of this easement.

Sincerely,



William Grau
Russell Development, LLC

Cc: Caroline Ardolini
File

Caroline Ardolini
11045 Dorsch Farm Road
Ellicott City, Maryland 21042

November 17, 1999

Ms. Cindy Hamilton
Chief Division of Land Development
Howard County Dept. of Planning & Zoning
3430 Courthouse Drive
Ellicott City, MD 21043

Re: F-98-24
Gaither Hunt, Lot 22
Septic Reserve Area

Dear Ms. Hamilton:

This will acknowledge that I am the current owner of Lot 22 in the Gaither Hunt subdivision, and that I am aware that an easement for a reserve/repair septic area has been established on Non-Buildable Preservation Parcel "B." I understand that this area has been set aside if a repair septic area is needed in the future.

Sincerely,



Caroline Ardolini

237

AFTER RECORDATION RETURN TO:

E. Alexander Adams, Esquire
ADAMS & ADAMS
8808 Centre Park Drive, #205
Columbia, MD 21045

NO TITLE EXAMINATION
NO CONSIDERATION

GRANT OF EASEMENT

THIS GRANT OF EASEMENT is made this 17th day of November, 1999, by MANOR LANE GOLF, L.L.C., a Maryland limited liability company (the "Grantor") and CAROLINE ARDOLINI (the "Grantee").

WHEREAS, the Grantor is the owner of Non-Buildable Preservation Parcel 'B', as shown on Sheet 3 of 4 of the subdivision plats entitled "Gaither Hunt, Section 1, Area 1, Lots 1-33, Lots 63-71, Preservation Parcels 'B' thru 'E' and Buik Parcel 'F', recorded among the Land Records of Howard County, Maryland as Plat No. 13210;

WHEREAS, the Grantor desires to establish a private sewerage easement as set forth on Exhibit A, attached hereto and incorporated herein, for the use and benefit of the Grantee's adjacent parcel of land which parcel is more particularly described in a deed recorded in Liber 4208, Folio 436 among the Land Records of Howard County, Maryland,

NOW THEREFORE, in consideration of the premises and covenants herein contained, the Grantor hereby grants, declares and establishes the following easement for the benefit of the Grantee's parcel hereinabove set forth:

A private sewerage easement as set forth in Exhibit "A" attached hereto and incorporated herein for the purposes of construction and maintenance of a private single family residential septic system to be located within Non-Buildable Preservation Parcel B.

The Grantor herein, on its behalf and the behalf of its successors and assigns of the aforementioned lot, agrees and covenants to execute such other and further assurances as may be requisite to give effect to the purposes herein stated.

This Grant of Easement shall be binding upon and inure to the benefit of Grantee, her personal representatives and assigns and shall run with and bind Grantor's property as herein set forth, in perpetuity.

This Grant of Easement is limited to construction and maintenance, in accordance with all applicable regulations, at Grantee's sole expense and liability, of a private single family residential septic system for the existing house on the parcel described in the Deed recorded at Liber 4208, folio 436. This Grant of Easement may not be used to facilitate the subdivision of any new lots.

AND THE SAID GRANTOR does hereby warrant specially the property granted; and will execute such further assurances of the same as may be requisite

WITNESS, the hands and seals of the undersigned parties, on the day and year first above written

WITNESS:

MANOR LANE GOLF, L.L.C.

[Signature]

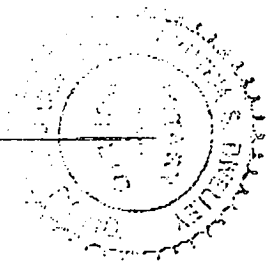
By [Signature] (SEAL)

STATE OF MD, COUNTY OF HOWARD, TO WIT:

I HEREBY CERTIFY THAT on this 17 day of Nov, 1999, before me, a Notary Public of the State and County, aforesaid, personally appeared James Seiden who acknowledged himself to be the member of MANOR LANE GOLF, L.L.C., a Maryland limited liability company, and that he as such member, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing in my presence, the name of the Company by himself as such member.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

[Signature]
Notary Public



My Commission Expires:

10-01-02

THIS IS TO CERTIFY that this instrument was prepared under the supervision of the undersigned, an attorney duly admitted to practice before the Court of Appeals of Maryland.

[Signature]

E. Alexander Adams

October 8, 1999

DESCRIPTION
OF A
PRIVATE SEWERAGE EASEMENT
ACROSS AND WITHIN
NON-BUILDABLE PRESERVATION PARCEL 'B'
FOR THE USE AND BENEFIT OF LOT 22
GAITHER HUNT, SECTION 1, AREA 1 (PLAT NO. 13210)
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

BEING a parcel or strip, of varying width, situate and lying in the Second Election District of Howard County, Maryland; and being also within, through, over and across Non-Buildable Preservation Parcel 'B', as shown on Sheet 3 of 4 of the subdivision plats entitled "Gaither Hunt, Section 1, Area 1, Lots 1 - 33, Lots 63 - 71, Preservation Parcels 'B' thru 'E' and Bulk Parcel 'F', recorded among the Land Records of Howard County, Maryland as Plat No. 13210; said parcel or strip being more particularly described in the Maryland State Coordinate System NAD'83 Datum, as follows:

BEGINNING FOR THE SAME at a point on the northwestern corner of Lot 16, as shown on said Plat No. 13210; said point being also at the end of the North 07°18'32" East 128.37 foot line on the western outline of Lot 16 in common with part of the outline of Non-Buildable Preservation Parcel 'B', as shown on said Plat No. 13210; thence binding reversely along said common outline of Lot 16 with Non-Buildable Preservation Parcel 'B':

- 1) South 07°18'32" West 128.37 feet, and
- 2) South 56°15'54" East 112.42 feet, thence crossing within said Non-Buildable Preservation Parcel 'B' for a new line of easement.
- 3) South 49°19'42" West 41.53 feet to a point on the North 56°15'54" West 204.45 foot line on the northeastern outline of Lot 17 in common with part of the outline of Non-Buildable Preservation Parcel 'B', as shown on said Plat No. 13210; thence binding along part of said common outline of Lot 17 with Non-Buildable Preservation Parcel 'B' and

**FISHER,
 COLLINS
 &
 CARTER,
 INC.**

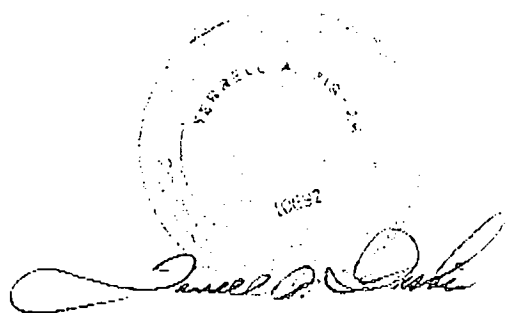
CIVIL ENGINEERING CONSULTANTS
 and LAND SURVEYORS

10272 Baltimore National Pike
 Ellicott City, Maryland 21042
 (410) 461-2855
 Fax (410) 750-3784

also Lots 21 and 22 with said Non Buildable Preservation Parcel 'B', for the following three (3) courses:

- 4) North 56°15'54" West 133.15 feet.
- 5) North 09°55'31" East 112.22 feet. and
- 6) North 09°10'48" East 37.92 feet, thence crossing within said Non-Buildable Preservation Parcel 'B' for a new line of easement,
- 7) South 82°41'28" East 40.00 feet to the point of beginning; containing 10,859 square feet or 0.249 of an acre, more or less.

SEE PLAT attached and marked as Exhibit



Prepared By T.B.

Checked By TAF

WO #30560

**FISHER,
COLLINS
&
CARTER,
INC.**

CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS
10272 Baltimore National Pike
Ellicott City, Maryland 21042
(410) 461-2855
Fax (410) 750-3784



30' R/W
WAY

HAVEN

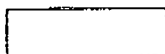
FOX

50' R/W

HIDDEN

FOX

COURT



PRIVATE SEWERAGE EASEMENT
ACROSS AND WITHIN
NON-BUILDABLE PRESERVATION
PARCEL 'B' FOR THE USE AND
BENEFIT OF LOT 22

10084 955 (11) 0699

N09°10'48"E
37.92'

S02°41'28"E
40.00'

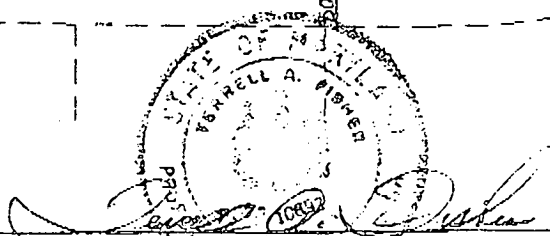
Point Of Beginning
For Description

N09°55'31"E
112.22'

S07°18'32"W
128.37'

N56°15'54"W
133.15'

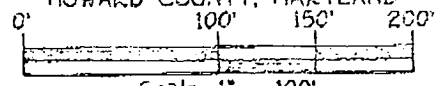
S49°19'42"W
41.53'



TERRELL A. FISHER, Professional Land Surveyor No. 10892

EXHIBIT TO ACCOMPANY DESCRIPTION OF A
PRIVATE SEWERAGE EASEMENT ACROSS
AND WITHIN NON-BUILDABLE PRESERVATION
PARCEL 'B' FOR THE USE AND BENEFIT OF
LOT 22, GAITHER HUNT, SECTION 1, AREA 1:
(PLAT No. 13210)

THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



Scale: 1" = 100'

DATE: OCTOBER 12, 1999

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELIJAH CITY, MARYLAND 21042
(410) 461-2855

**RUSSELL DEVELOPMENT, LLC
8808 CENTRE PARK DRIVE, SUITE 209
COLUMBIA, MARYLAND 21045
PHONE (410)-964-5522 FAX (410)-964-2620**

October 15, 1999

Ms. Cindy Hamilton
Howard County Department of Planning and Zoning
3430 Court House Drive
Ellicott City, Maryland 21043

RE: Gaither Hunt Lot 22 Septic Reserve Area

Dear Cindy:

The following letter outlines the substantiation for the establishment of an easement in Preservation Parcel "B" in the Gaither Hunt subdivision for the purpose of creating a septic reserve area for Lot 22.

The need for the creation of this septic reserve area outside of the lot boundary arose during the construction of the home. The previously approved perc area contained a band of rock through the middle of the drain field making the construction of a conventional septic system impossible. A sand mound system was installed in place of the planned septic system, but due to the extent of the rock reestablishment of the required reserve area on the lot was not possible.

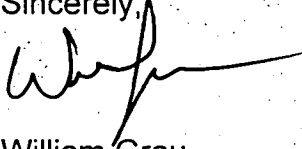
Consequently, the only option for creating a reserve area was to find an "off lot" location. Two possible options were considered. One was to establish the area on Non-Buildable Parcel "F" that is located 650 feet from Lot 22 across two public roads. The second was to find an acceptable area within the Non-Buildable Preservation Parcel "B" located directly behind the lot. An area was identified within the preservation parcel between Lots 16 and 17 where an easement can be created and satisfy the requirements of a reserve area. The location of this area has been reviewed and has been deemed acceptable by the Health Department. This second option is the only acceptable alternative for the reserve area for the following reasons:

- 1) I had a discussion with Jim Irvin today about the feasibility of creating a private easement in a public road. Mr. Irvin told me that this creates a serious liability issue for the county, would require County Council approval and could be years in being able to sort through the various legal issues between the county and the homeowner to create the easement.

- 2) The distance to the perc area on Parcel F is approximately 650 feet. The easement on the preservation parcel is located directly behind Lot 22 and the distance to the reserve drain field is less than 150 feet. This is a major factor in the ultimate cost and convenience to the homeowner if a repair is ever necessary.

I have attached a copy of the proposed easement area for your use. I am also forwarding this letter directly to Craig Williams for his review and concurrence with the contents for which he can agree to. He will then forward a written response to you. If you have any questions regarding this letter, please don't hesitate to contact me at your convenience, and I look forward to your approval of this proposal.

Sincerely,



William Grau
Russell Development, LLC

10/25/99

TO: Cindy Hamilton
Department of Planning & Zoning
FROM: Craig Williams, Program Chief (CW)
Water and Sewerage
Bureau of Environmental Health
RE: Gaither Hunt - Lot 22 - Septic Reserve Area

COMMENT:

This is to acknowledge Howard County Health Department concurrence regarding the condition of the septic system for Lot 22 and options for its remediation.

Either of the two listed options satisfies agency requirements.



DEPARTMENT OF PLANNING & ZONING

Joseph W. Rutter, Jr., Director

October 13, 1999

William Grau
Russell Development, LLC
8808 Centre Park Drive, Suite 209
Columbia, MD 21045

RE: F-98-24, Gaither Hunt, Lot 22

Dear Mr. Grau:

This is in response to your letter of October 1, 1999 in which you outlined your proposal to establish a reserve septic area for Lot 22 on Preservation Parcel B and requested written confirmation of the acceptability of your proposal.

This Department cannot endorse your proposal at this time. In accordance with departmental policy, the encumbrance of a recorded Preservation Parcel with a septic easement to serve another property will only be permitted if no alternative exists.

As outlined in the enclosed departmental memo of September 23, 1999, you must provide the following:

1. A written justification detailing the problems associated with the lot and explaining why an on-lot solution cannot be employed.
2. A summary of all of the alternatives which have been investigated.
3. Signed verification from the Health Department that your proposal is the only viable solution.

Once this Division receives the above listed statements, we will make an evaluation of your proposal and will issue a written response to both you and the Health Department.

If you have any questions, please contact me at (410) 313-2354.

Sincerely,

Cindy Hamilton, Chief
Division of Land Development

CH/cs/f9824.let

Enclosure

cc: Craig Williams - Health Department

8/11/99
10:00

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION GAITHER HUNT LOT NO. (to serve) 22

ROAD AND DESCRIPTION 11045 DORSEH FARM RD

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

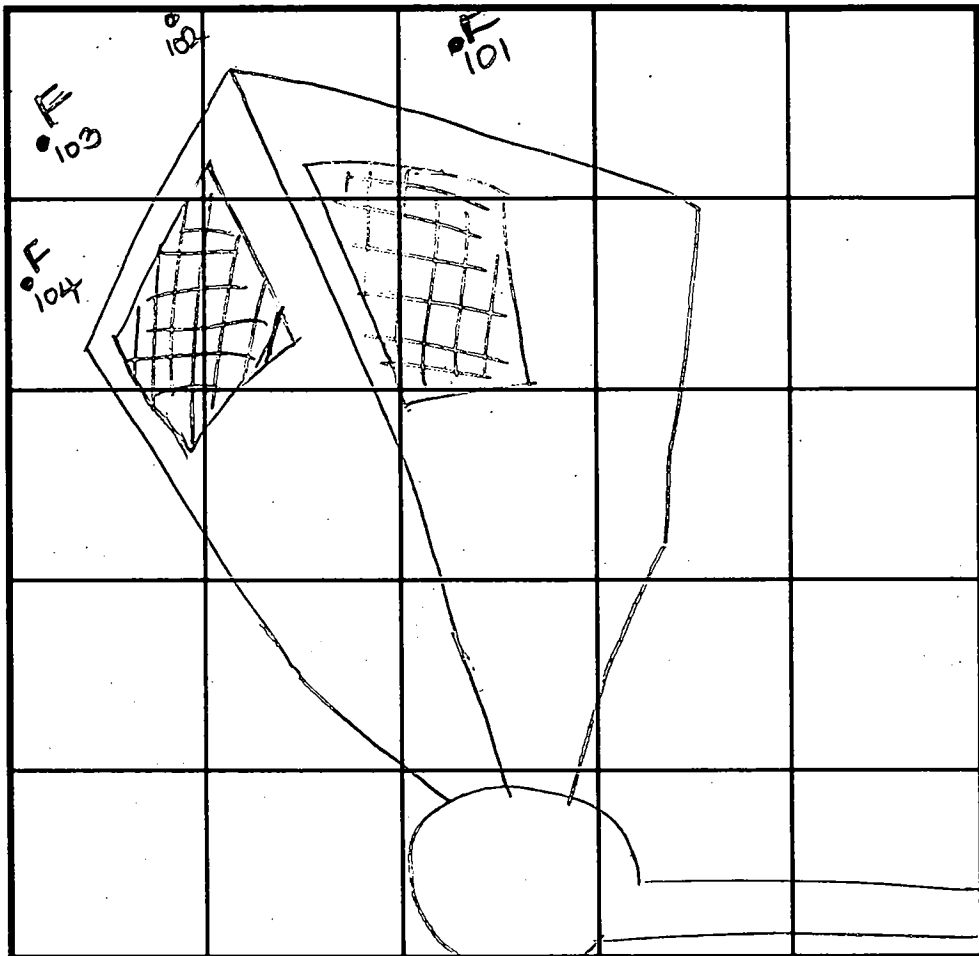
COUNTY #

SOIL PROFILE

0' 101
 1' topsoil
 red org
 brn
 cl Lm
 3.5'
 lt org
 brn
 to
 med brn
 sa Lm
 8.5'
 9' damp
 before
 sucl Lm
 12'

01 102
 1' topsoil
 org brn
 cl Lm
 4'
 org brn
 sa Lm
 9' 9.5' dk red
 brn
 si cl Lm
 w/ mottles
 12'

01 103
 1' topsoil
 red org
 brn
 cl Lm
 3.5'
 4' pale
 org brn
 sa Lm
 9.5' med red
 brn
 si cl Lm
 12' w/ some
 mottles



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 104
 1' topsoil
 red brn
 cl Lm
 pale
 org brn
 sa Lm
 6' Refusal

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-11-99	101	3.5'S	10:47	10:58	10:58	11:15	17
		12' 8" D	Visual	-see	profile		FAIL
	102	12.0'D	Visual	-see	profile		
	103	3.0'S	11:37	12:00	12:00	little slow	FAIL
		12.0'D	Visual	-see	profile		
	104	6.0'D	Refusal				FAIL

REMARKS holes tested as staked

TYPE OF SOIL _____

TESTED BY D. Soe ALSO PRESENT M. Johnson, S. Ellis

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

September 7, 1999

J. Thomas Scrivener
C/o Land Design & Development
10805 Hickory Ridge Road
Columbia, Maryland 21044

RE: Percolation test results
Gaither Hunt, Lot #22
11045 Dorsch Farm Road

Dear Sir:

Percolation testing was recently conducted on Preservation Parcel 'B' in attempt to establish sufficient septic reserve area for the existing house at the above referenced property. However, soils did not appear to be suitable for septic system installation. (As previously discussed, this testing was necessary due to unsuitable soil conditions encountered within the recorded sewage disposal area on the lot at the time of septic system installation.) A copy of these latest percolation test results is enclosed.

This office has been advised by the county Planning and Zoning office that use of preservation parcels or open space lots for septic easements is inappropriate when other opportunities for problem resolution exist.

It is suggested that you look to other locations in the subdivision not already encumbered by preservation areas as potential sites for septic repair area to serve Lot #22. Following assessment of the options available to you, please submit to this office a revised site plan showing possible sites for percolation testing to establish the required septic reserve area.

Thank you for your cooperation in this important matter. If you have any questions, please do not hesitate to contact me at the address below or by calling (410) 313-2640.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna K. Soe".

Donna K. Soe, R.S.
Water and Sewerage Program

DKS

Enclosure

Cc: Fisher, Collins & Carter, Inc.
NV Homes - Pat Inman
file

Bureau of Environmental Health

3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Water and Sewage Program Community Environmental Health Program Food Protection Program
Phone: 410-313-2640 FAX: 410-313-2648 TTD: 410-313-2323 TOLL FREE: 1-877-4MD-DEPT



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

July 29, 1999

NV Homes
2200 Defense Highway
Suite 301
Crofton, Md. 21114

Attention: Wayne Flack.

Dear Mr. Flack,

This is in summary of developments regarding septic system installation at Lot 22 Gaither Hunt - 11045 Dorsh Farm Rd.

The initial effort to install the specified conventional trench disposal system was unsuccessful due to the unexpected presence of bedrock at shallow levels. An alternative sand mound septic system was installed further back on the lot. This installation effectively used all remaining land area on the property suitable for septic system installation, leaving no area for future system replacement.

Despite full confidence in the installed system, it is normal for any septic system, whether it be a trench system or a sand mound system, to eventually clog and fail. Accordingly all approved properties require sufficient area be reserved to allow for future installation of at least one replacement system.

With no suitable replacement area remaining on the lot, the large preservation parcel behind this lot would seem to provide the most realistic option for establishment of the needed area. It is suggested that you contact the developer and the County Zoning office to confirm that the necessary arrangements can be made to access this area; then contact this office to schedule site evaluation.

gaither 22 - p2.



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

I appreciate the difficult position this condition has created for you and your client, and would be happy to meet with you or any affected parties to discuss and clarify any aspects of this situation.

Respectfully,

Craig Williams
Supervisor - Water and Sewerage Program

cc: Tom Scrivener - Developer
Cindy Hamilton - Howard County Office of Planning and Zoning
Donna Soe - Sanitarian
Charles and Caroline Ardolini - contract purchasers