

9/18/86
anytime

tap 10103-310892

9-18-86
approved
S. Alu

P 34667
A 35689

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
932-2330X
461-9933

INDEXED

ELLICOTT CITY
DISTRICT 3rd
DATE 9/17/86

Merit Construction IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 442-1490

SUBDIVISION Gaither Farms ROAD 11060 Gaither Farm Road OT 17

PROPERTY OWNER GYC Builders/George A. Adrian Ralph Leasure

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 256 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 145 feet from the front lot line and 50 feet from the right sideline, as seen when facing the lot from Gaither Farm Road. Place the second trench parallel to and 8 feet away from the first trench. Continue to dig trenches on level ground running more or less towards the right front corner of the lot.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Frank Skinner DATE 5/02/86

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

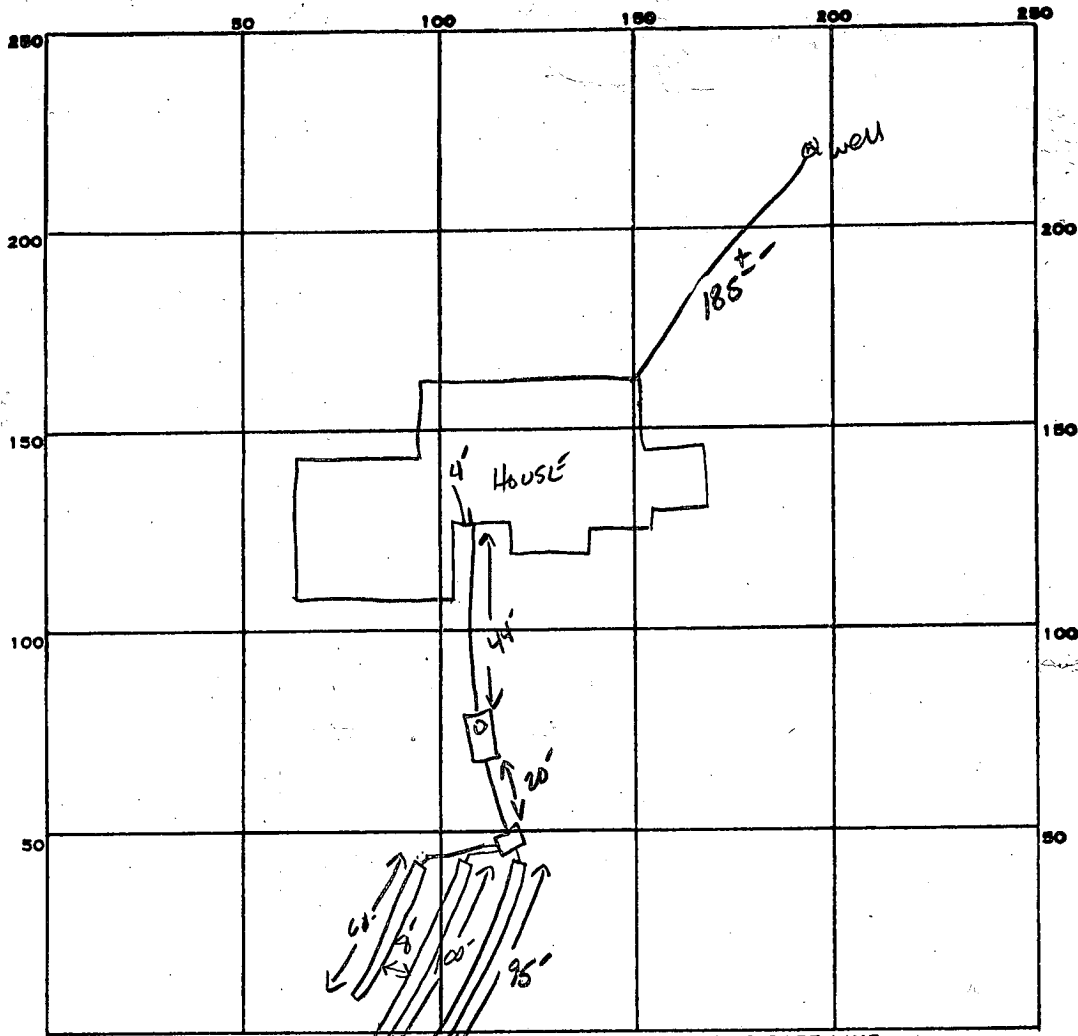
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A
35689



INDICATE NORTH & NAME ADJOINING ROADWAY AS BASE LINE.
GATHER FARM RD.

22504
1024
254

PERMIT CARD

SEPTIC TANK, LEVEL 2000 GAL

CLEANOUTS 5

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET 4"

GRAVEL DEPTH 4" 4" 4" TOTAL LENGTH 95 100 69 FT. TOTAL 255

NUMBER OF TRENCHES 3 ONE SIDE WALL TOTAL BOTTOM AREA 1024 LF

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 1024 SQ. FT.

REMARKS OK TO STONE PIPE PAPER + COVER TRENCH #1 ; OK TO STONE # 2 + 3

DATE SYSTEM APPROVED 9-18-84

INSPECTOR S. Abel

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 35689

P _____

DISTRICT 3

DATE 4/21/85

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

owner: Phillip Dorch
Purchaser: George A. Adrian
~~PROPERTY OWNER~~ Patricia McLean
1000 Equitable Bank Bldg.
ADDRESS Columbia, MD 21044 PHONE 730-9091

PROPERTY LOCATION:

SUBDIVISION Gaither Farm LOT NO. TS NEW 17

ROAD AND DESCRIPTION Home wood Rd. and Rte
11060 Gaither Farm Rd

SIZE OF LOT 3 acres TYPE BLDG. 3-5
(NUMBER OF BEDROOMS)

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. Christine Richards
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6/26/85 DIG MORE (SLOW PERC & WATER) RH
7/16/85 DIG MORE (SLOW & WATER) RH
7-18-85 Perc. SATISFACTORY. hold for Certified Subdivision Plat SAH

B.P. 70703
5-29-86

THIS IS NOT A PERMIT

16

789

SOIL PROFILE

0	AP
9"	BROWN CLAY LOAM L10% SAPROLITE
4.5	Yellow BR SAND LOAM L10% SAPROLITE
12	

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/16/85	6 S	6.5	318	342	342	414	LITTLE PERC
	6 V	9	LOOKS		UNSAT		
7/18/85	7 S	5'	1:09	1:22	1:22	1:47	25min
	m(12)	9'	1:09	1:16	1:16	1:25	9min
	8 S	4.5'	1:12	1:27	1:27	1:58	31min
	m(12)	8.5'	1:12	1:15	1:15	1:22	7min
	9 S	5'	1:22	1:28	1:28	1:46	18min
	m(12)	9'	1:26	1:31	1:31	1:49	18min
	10 S	5'	1:36	1:40	1:40	1:48	8min
	m(12)	9'	1:47	1:49	1:49	1:53	4min
	A	WATER AT 11 FT					

OK 6" FORCE DOWN

at 10 min
15 min

max depth
4.5

REMARKS 7/16/85 - BACK HOE BROKE DOWN

TYPE OF SOIL

TESTED BY 7/16/85 R. HOPPER

ALSO PRESENT

7/16/85

RLO BACKHOE
JANE MADEAV
CHRIS RICHARD

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 35689

P _____

DISTRICT 3

DATE 4/20/85

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER

Patricia M. Curran

ADDRESS

1000 Lyndhurst Ave. Ellicott City, MD 21044

PHONE

730-9091

PROPERTY LOCATION:

SUBDIVISION

Gaither Farm

LOT NO.

18

ROAD AND DESCRIPTION

Home wood Rd, and Rte.

SIZE OF LOT

3 acres

TYPE BLDG.

3-5

(NUMBER OF BEDROOMS)

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.

Christina Richards

(SIGNATURE OF APPLICANT)

APPROVED BY _____

FOR _____

DATE _____

REJECTED BY _____

FOR _____

DATE _____

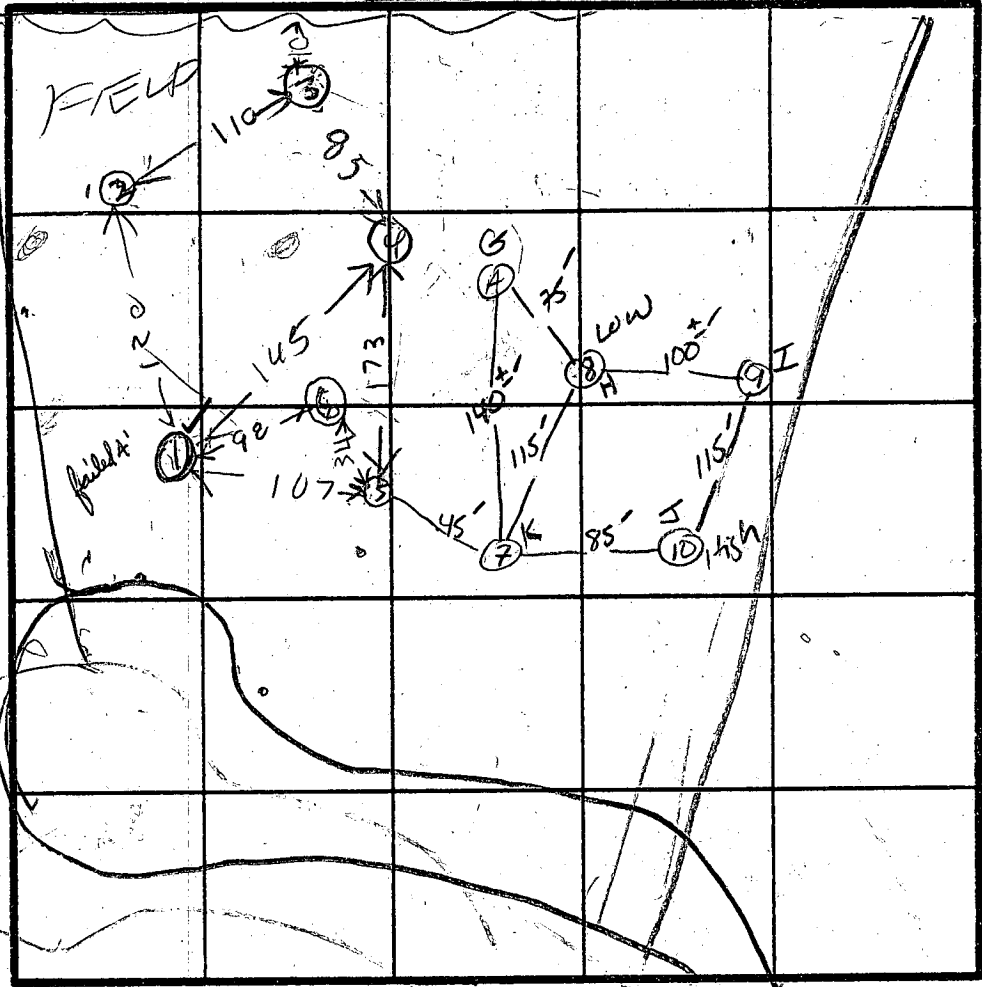
HOLD PENDING FURTHER TESTS _____

DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

110002



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

RH#	LETTER SURVEYOR
1	C
2	D
3	A
4	B
5	E
6	F
	(5)

2	TOPSOIL
	BROWN CLAY
5	BROWN & GRAY SILT LOAM
16	WATER
16 1/2	

SOIL PROFILE

0	TOPSOIL
5 1/2	RED BROWN CLAY LOAM
14	GRAY & BROWN SAND LOAM

(2)

4	BROWN CLAY GRAVEL
8	GRAY BROWN SAND CLAY
8 1/2	WATER

(3)

0	BROWN & GRAY CLAY
3	BROWN & GRAY SAND LOAM
7 1/2	WATER

(4)

15	CLAY
12	GRAY SAND LOAM
13	WATER

(6)

4	BROWN CLAY & TOPSOIL
9	TAN CLAY SILT LOAM

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
6/20/85	✓ 1S	4 1/2	1155	1233	little	pen	
	1D	8 1/2	1155	1158	1158	1203	5
6/26/85	✓ IV	14	LOOKS	OK			
6/26/85	2V	8 1/2	WATER	8FT	UNSAT		
	3V	9	WATER	7 1/2 FT	UNSAT		
	4S	4 1/2	1229	1249	1249	1150	pen
	4D	9	1229	1237	1237	1243	6
	4V	13	WATER				
	5S	5 1/2	131				
	5D	9 1/2	131	151	151	215	24
	✓ 1M	6	146	156	156	206	10
	3M	6	255	332	little	pen	
6/26/85	5V	16 1/2	WATER	16FT	UNSAT		

REMARKS (1)(2)(3)(4) DUG PER SURVEYOR STAKE (5) EXTRA (5)(7)(8)(9)(10)

TYPE OF SOIL _____

TESTED BY R HODGES ALSO PRESENT DAVE OF RLO BACKHOE
JANE NEABEAU
CHRIS RICHARDS

C1 00480

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER

A-35689

DATE RECEIVED

8 13

DATE WELL COMPLETED

04 29 86

Depth of Well

245

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-81-1424

OWNER BUILDERS GYC STREET OR RFD GATHER FARM ROAD TOWN ELICOTT CITY SUBDIVISION GATHER FARM SECTION LOT 17

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows: top soil (0-6), SANDSTONE (6-19), GRAY GRANITE (19-245)

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box)

Y N

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 112 NO. OF POUNDS 1128

GALLONS OF WATER 72

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 24 ft.

CASING RECORD

casing types insert appropriate code below

ST CO PL OT

MAIN CASING TYPE Nominal diameter (nearest inch) Total depth (nearest foot)

ST 4 27

OTHER CASING (if used)

Table for diameter and depth of other casing

SCREEN RECORD

screen type or open hole insert appropriate code below

ST BR HO PL OT

DEPTH (nearest ft.)

Table for screen depth intervals

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 52

METHOD USED TO MEASURE PUMPING RATE bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 24

WHEN PUMPING 175

TYPE OF PUMP USED (for test)

A P T C R O J S

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

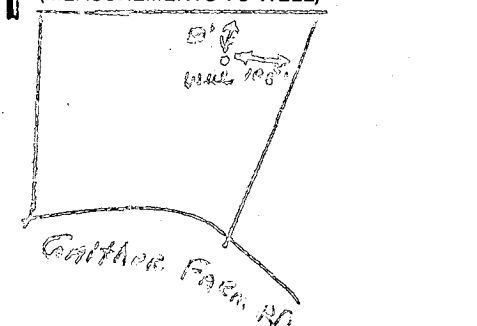
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

+ above - below LAND SURFACE

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 238 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

9/17/86 - Noon

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation 2-11-8
Replacement _____

Receipt # 37661
Date 9/16/86

Name of Installer Morris Plumbing & Heating Inc

Telephone 747-5615

License number M-3095

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X

Name of Property Owner G.Y.C Builders

Telephone 730-0554

Subdivision Frathers Farm Lot # 17 Well tag # _____

Site Address 11060 Gaither Farm Rd Ellicott City Md.

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible X

Motor

- 1. Horsepower 3/4
- 2. RPM _____
- 3. Voltage _____
 - a. 110 _____
 - b. 220 X

Pitless Adapter

- 1. Make Martin
- 2. Model # B10X
- 3. Depth 4'

2. Make Grundfos

3. Model # SES07412

4. Capacity 5 GPM

5. Pump exceeds well capacity Yes _____ No X

6. If Yes, is low pressure cutoff switch installed? Yes X No _____ *going to anyway*

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards X Other _____

Tank

- 1. Capacity WX302
- 2. Pressure relief valve? YES

Piping

- 1. Type Plastic AWWA
- 2. Size 1"
- 3. NSF and/or BOCA Code approved YES
- 4. Depth of supply line 230'

Well data

- 1. Depth 245 ft.
- 2. Yield 12 GPM
- 3. Static water level 24 ft.
- 4. Will water supply be disinfected by installer? NO

9-17-86 Pitless In AT 50", well line 44-52" ; INSIDE WORK NOT COMPLETE. S.A. BUILDER

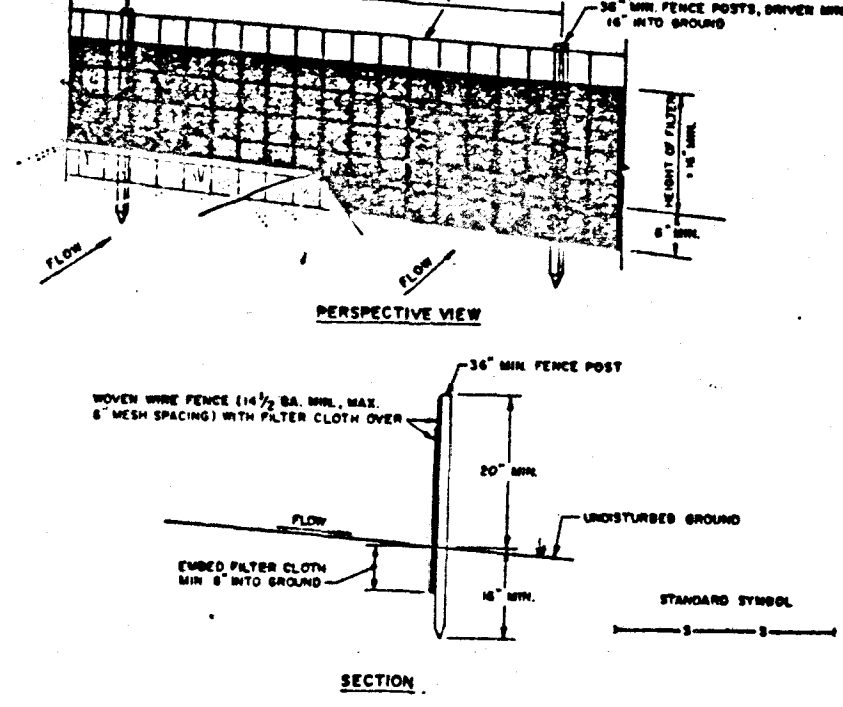
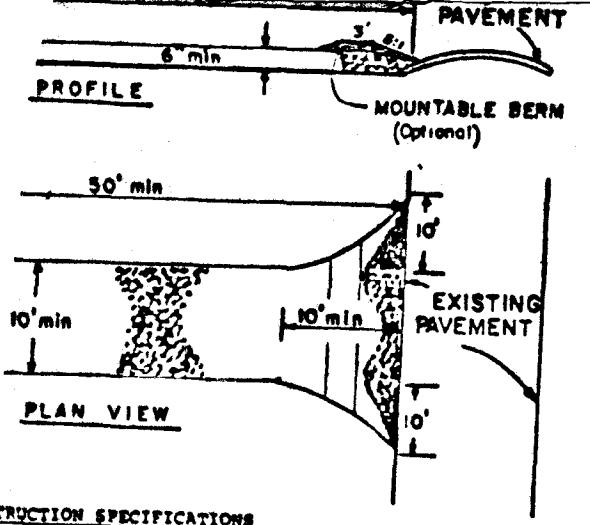
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

Signature of Applicant: Joseph D. Morris

Date: 9-16-86

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



CONSTRUCTION SPECIFICATIONS

stone, or reclaimed or recycled concrete equivalent, but not less than 30 feet (except on a single residential lot minimum length would apply).

surface water flowing or diverted toward construction piped across the entrance. If piping is impractical, 5:1 slopes will be permitted.

entrance shall be maintained in a condition which will prevent flowing of sediment onto public rights-of-way. This may be done by dressing with additional stone as conditions demand. All dropped, washed or tracked onto public rights-of-way must be removed.

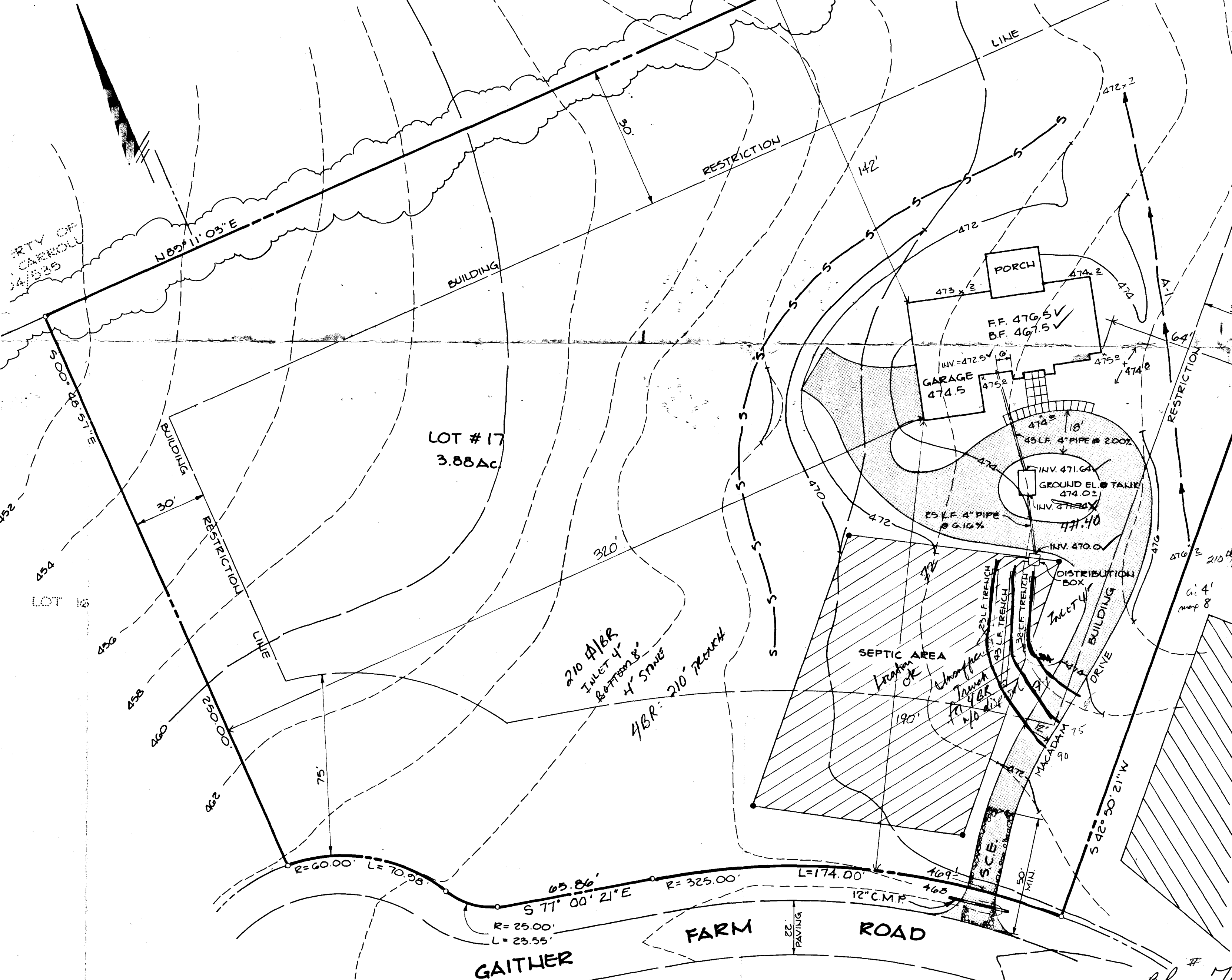
shall be cleaned to remove sediment prior to entrance onto way. When washing is required, it shall be done on an area which drains into an approved sediment trapping device and needed maintenance shall be provided after each rain.

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NECESSARY AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 1/4" GA. 6" MAX. MESH OPENING
 FILTER CLOTH: FILTER X TURF, LIME STABILIZED LINUM 1500 OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOPAR, ENVIRONMENTAL, OR APPROVED EQUAL.

- SEPTIC DESIGN INFORMATION**
- 1.) 210 Sq.Ft./Bedroom x 4 bedrooms = 840 Sq.Ft. x 22% = 1025 Sq.Ft. Req.
 - 2.) 1025 Sq.Ft. / 10 = 103 L.F. of trench.
 - 3.) Septic Tank Capacity shall be 1875 gallons minimum.
 - 4.) No trench to exceed 100 feet in length.
 - 5.) Trenches to be installed on level ground.
 - 6.) Call for inspection of trench before gravel is installed.
 - 7.) Provide 6"-8" diameter cleanout and cap to grade above septic tank.
 - 8.) This system is designed to accommodate a garbage disposal.
 - 9.) The basement floor elevation will not be servable with this septic sewer design.
 - 10.) Trench specification
 - a.) width - 2'-0"
 - b.) maximum bottom depth - 8'-0"
 - c.) Effective area beginning @ 4 feet below original ground
 - d.) Stone depth - 4'-0" below effective area.

ZONED CONSTRUCTION ENTRANCE
No Scale

SILT FENCE
No Scale



BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT SHALL BE CERTIFICATE OF ATTENDANCE AT A DEPARTMENT RESOURCES APPROVED TRAINING PROGRAM FOR THE PREVENTION OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

Phillip Carroll DEVELOPER

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

ENGINEER

REVIEWED FOR _____ NAME _____ AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE

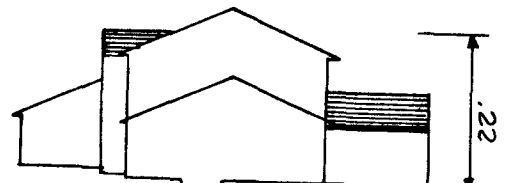
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD S.C.D.

well ok / BN.

SEQUENCE OF CONSTRUCTION

1. Obtain Erosion Control Permit
2. Install silt fence and earth dike.
3. Complete all grading as per plan.
4. Stabilize disturbed areas as per the permanent seeding notes.
5. Stabilize disturbed areas and remove all sediment control devices and remove all sediment control devices and remove all sediment control devices and remove all sediment control devices as per permanent seeding notes.



ADDRESS CHART

LOT NO.	STREET ADDRESS
17	11060 GAITHER FARM ROAD

SUBDIVISION NAME	GAITHER FARM	SECT./AREA	LOT/PARCEL NO.
PLAT NO./L.F.	6611	TAX ZONE	R
SEWER CODE	N/A	ELEC. DIST.	3
		WATER CODE	N/A

B.P. # 70703
ADRIAN