

04-328493

8-3-90 Need to test pumps. JEN

7-20-90
8-10-90
7-30/90 9:30
8-2-90 am
8-3-90 am/pmc

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 5/8/91

DATE SYSTEM APPROVED 8/31/90

INSPECTOR M. Ripkin

P 45881
45881
A 09019

INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 875-4197

SUBDIVISION Burntwoods ROAD 140²¹/₂ Celbridge Court LOT 5, Section 3

PROPERTY OWNER Louis Spisso

ADDRESS _____

INSTALL: _____

- 1500 Gallon Septic Tank
- 1000 Gallon Pump Chamber
- Alternating Effluent Pumps with Alarms (See Attached for Complete Detail)
- 3 Bedrooms

1 system / 180 ft trench
2 @ 90 ft each
Install both systems at same time.

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet ^{2 1/2} 3.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade. ^{2 1/2} 2 1/2 feet of stone below distribution pipe.

LOCATION - Place the distribution box ¹⁰⁵ 105 feet from the right (192') lot line and ⁶⁰ 40 feet from the rear (272') lot line as seen when facing the property from Celbridge Drive. Run trenches along contour toward Celbridge Court.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/cw

PLANS APPROVED BY C. Williams ir DATE 2/01/90

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

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

PERMIT SKIPPED

AND RETURNED 8-19-92

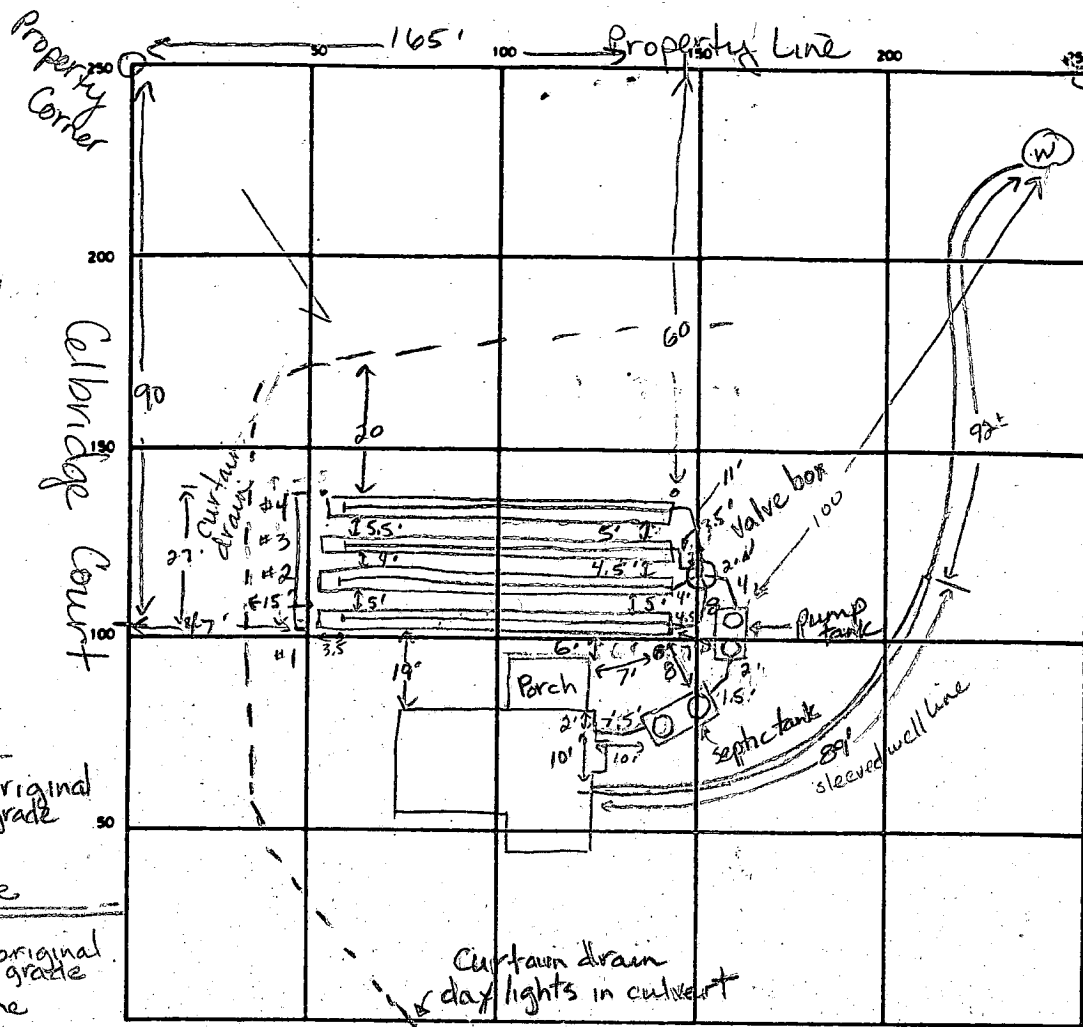
Serial # 911 15038

deck

45881

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.



well Ho 88-0864

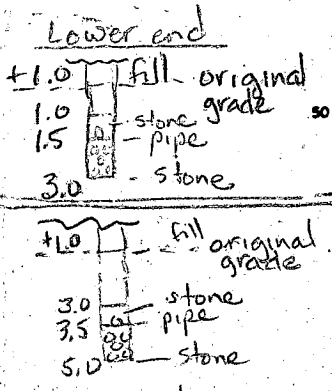
Observation port 5' below bottom of trench 4 ft slotted in stone 1 ft below trench. Total pipe 9' 4" from top of #4 coupling.

Valves #1 #2 #3

2 in supply line from pump

1/4 in feed lines into laterals

Valve Box



Upper end (To be cut 2 ± ft)

SEPTIC TANK LEVEL 1500 gal, pump tank 1000 gal CLEANOUTS 4 manholes (2/tank) vs

DISTRIBUTION BOX LEVEL value box set so upper trenches #4 & 3 run first, #2 is closed

DRAIN FIELD/TILE FIELD. DEPTH 3' to 5' FT. TRENCH WIDTH 3 FT. INLET DEPTH 1.5 to 3.5 FT. 1 ft of fill at lower end of bed.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 102 102 102 102 * 90' pipe in each trench

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 306 306 306 306 50 FT. 1 ft ± fill at upper end of bed.

DRYWELL INSIDE DIAMETER #1 2 FT #3 4 FT EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 62' x 61' 50 FT.

REMARKS 7-20-90 Issued stop work order. House location not per plans. JEN 11:50 am

7-30-90 OK to set tank & pump pit. JEN 7-31-90 OK to lay filter cloth over trench #1, leave ends open. JEN. 8-1-90 OK to add stone and pipe to trench #2, leave ends open. JEN. 8-2-90 OK to cover trenches #1 & 2 JEN. 8-3-90 OK to cover trench #3. JEN 8-3-90 OK to cover all work. Pumps need to be tested to prove working order. JEN 8/31/90 Pump float OK 1 alarm float OK

DATE SYSTEM APPROVED 8/31/90

INSPECTOR M. RITKIN other alarm float not operating - Bidr to investigate & CALL

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3

DATE 8/27/69

P 14761

A 09021

INDEXED

Kenneth Schrader IS PERMITTED TO INSTALL ALTER

ADDRESS 4526 Wisconsin Ave., N. W. Washington, D. C. PHONE 363-0205

A SEWAGE DISPOSAL SYSTEM LOCATED AT _____

SUBDIVISION Burnt Wood ROAD Celbridge Court LOT 6, Blk. D,
Sec. 3, Pt. 1

PROPERTY OWNER Burnt Woods Development Co., Inc.

ADDRESS _____

SPECIFICATIONS - 3 bedrooms

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

SEPTIC TANK CAPACITY 750 GALLONS tank to be no deeper than
ft. below grade when tested.

FOR GARBAGE GRINDER; INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

~~OTHER Leaching bed - 184 sq. ft. bottom area per bedroom - bottom of gravel to be
7 ft. below original grade when tested. Locate leaching bed in the area between
20 ft. and 90 ft. from the left side line and in the area between 25 ft. to 60 ft.
from the front lot line as lot is seen when facing it from Celbridge Ct.~~

~~NOTE: CALL FOR INSPECTION WHEN LEACHING BED IS EXCAVATED BEFORE ANY GRAVEL IS
INSTALLED.~~

PLANS APPROVED BY R. Fletcher DATE 9/28/64

NOTE: CALL FOR SECOND INSPECTION AFTER GRAVEL IS INSTALLED.
FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK
UNTIL INSPECTED AND APPROVED.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON.
NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE
SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMIT VOID AFTER THREE YEARS.

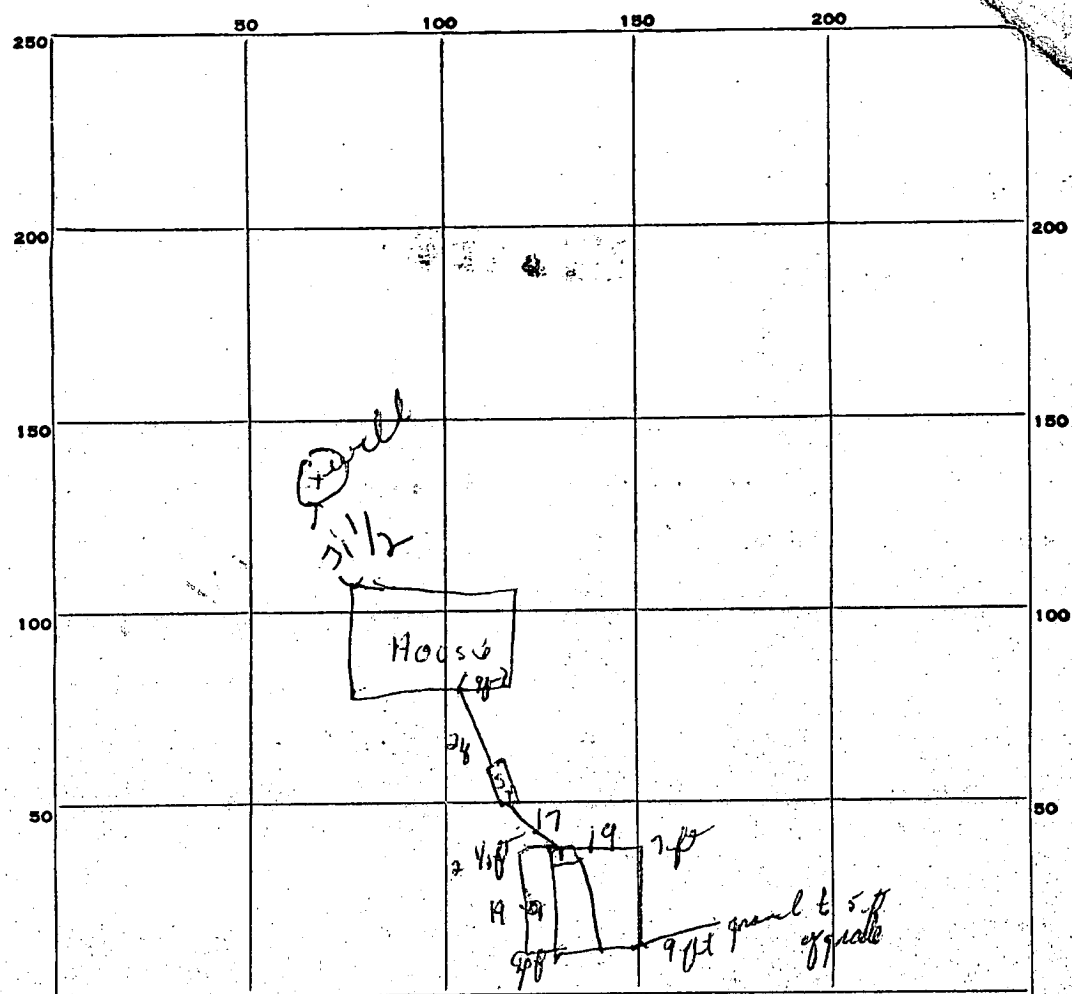
**NOTIFY THE HEALTH DEPARTMENT 48 HOURS
BEFORE EXCAVATIONS ARE TO BE BACK FILLED.**

09021

*1/29/69
Ready and
proof as
possible*

*app - 8-27-69
DWM*

19
31
19
57
589



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.
Gilbridge Ct

PERMIT CARD OK

SEPTIC TANK, LEVEL OK CLEANOUTS _____

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 7.69 ft FT. TRENCH WIDTH 19 FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH 31 FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA 589

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

ABSORBENT AREA _____ SQ. FT.

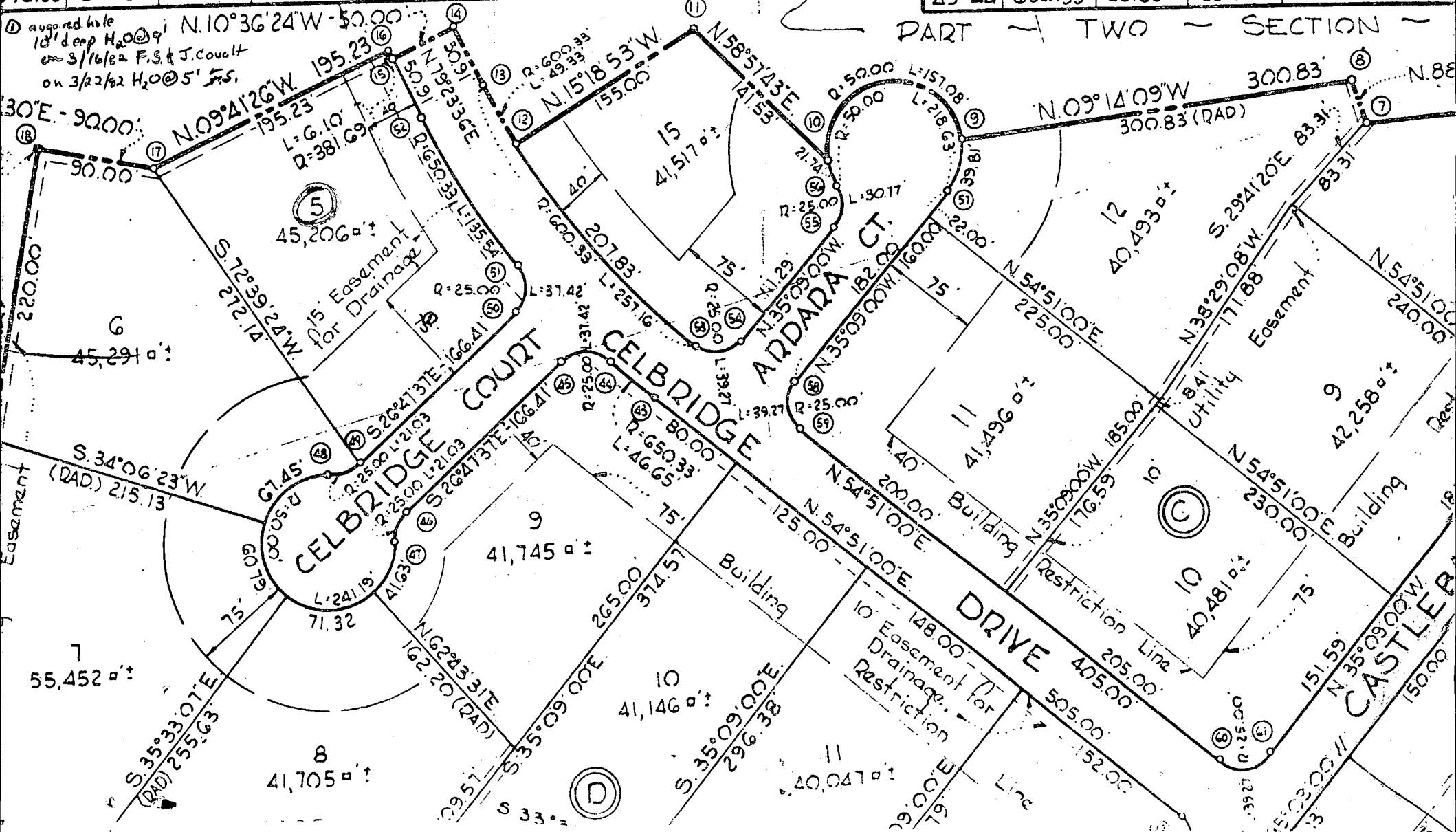
REMARKS 8/27/69 - OK to put gravel in bed

DATE SYSTEM APPROVED 8/29/69 INSPECTOR DW. Morgan

TABLE OF CURVE DATA					
RADIUS	LENGTH	TANGENT	DELTA	CHORD BEARING	CHD. DIST
0.00	157.08	—	180° 00' 00"	N. 09° 14' 09" E.	100.00
00.33	49.33	24.68	04° 42' 29"	N. 77° 02' 21" E.	49.32
81.69	6.10	3.05	00° 54' 58"	S. 79° 51' 05" W.	6.10
5.00	39.27	25.00	90° 00' 00"	S. 28° 54' 00" E.	35.36
5.00	39.27	25.00	90° 00' 00"	S. 61° 06' 00" W.	35.36
172.59	354.20	177.53	09° 47' 30"	S. 20° 59' 45" W.	353.77

*Final Arcs and
Point bands See 3*

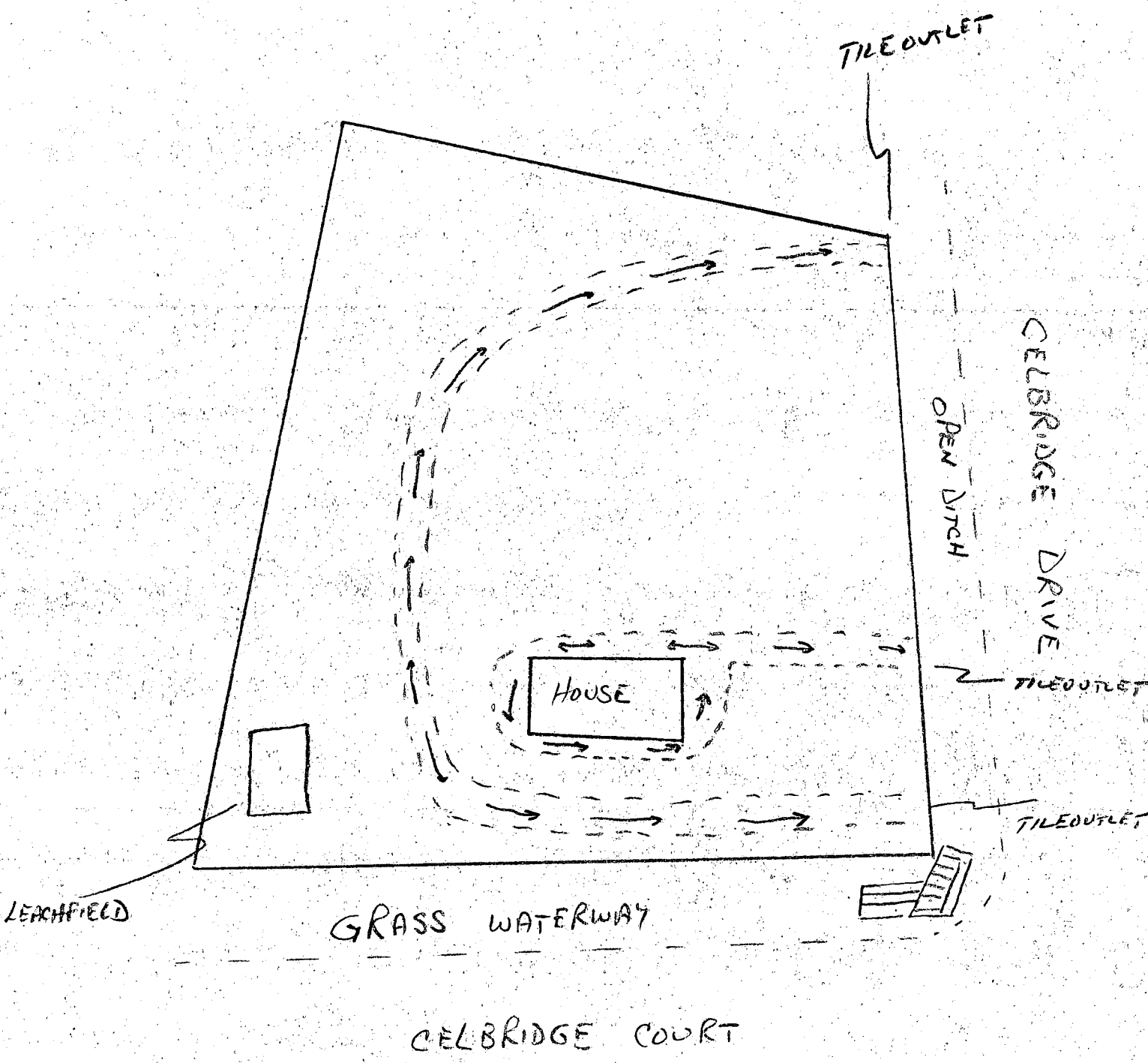
No To No	RADIUS	LENGTH	TANGENT	DELTA	
33-34	25.00	39.27	25.00	90° 00' 00"	S
35-36	25.00	39.27	25.00	90° 00' 00"	M
36-37	2022.59	345.65	173.25	09° 47' 30"	N
38-39	25.00	39.27	25.00	90° 00' 00"	M
40-41	225.00	157.17	79.13	38° 45' 00"	M
41-42	25.00	39.27	25.00	90° 00' 00"	M
43-44	650.33	46.65	23.34	04° 06' 37"	S



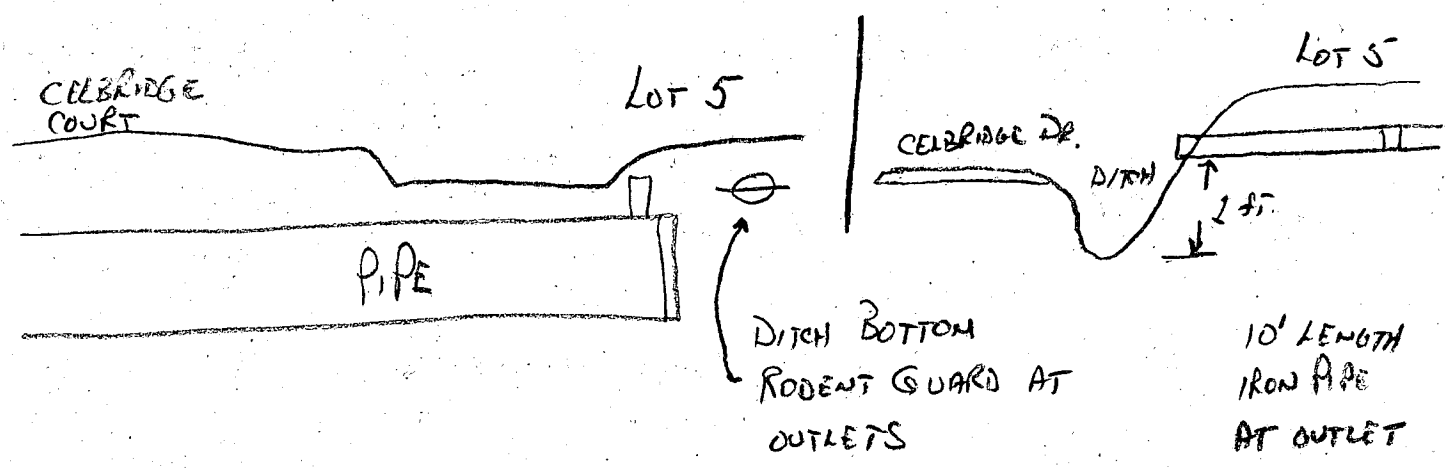
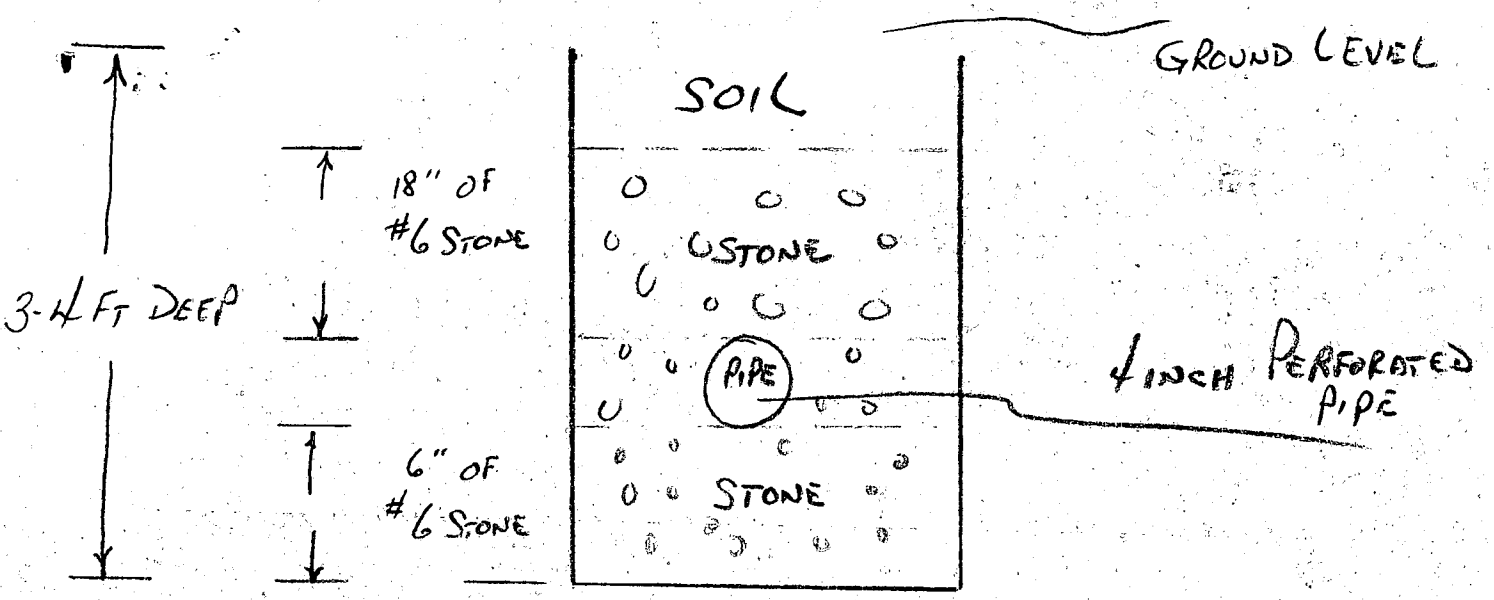
1 augered hole
18" deep H₂O @ 9'
on 3/16/82 F.S. & J. Coult
on 3/22/82 H₂O @ 5' F.S.

4-6-76

Louis Spisso
Burntwoods
Lot 5, Sec 3



4-6-76 444



Louis Spisso
Burntwoods
Lot 5, Sec 3

Howard County Health Department

To: CRARY

H₂O TABLE AT 12[±] Soils
CLAYOY TO N.S.S-4.0'. SYSTEM
WOULD NEED TO BE MAX 5' DEEP.
INLET NOT CRITICAL. I WOULD
RECOMMEND DOSING (PRESSURE TYPE)
USING 2 COMPARTMENT TANK, TOP SEAM
ONLY, WELL SITE IS LIMITED AND HOUSE
SITE. SHOULD HAVE VERY GOOD SITE
DEVELOP. PLAN PRIOR TO ANY FINAL
DECISION.

From: SID

Date: _____

HD-170

APPLICATION

PERCOLATION TESTING

A 09019
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE _____

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 Louis Spisso _____

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION BURNWOODS Lot 5 Sec. 3 LOT NO. 5

ROAD AND DESCRIPTION 14012 Cambridge Ct.

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 _____

REJECTED BY _____ FOR _____ DATE _____

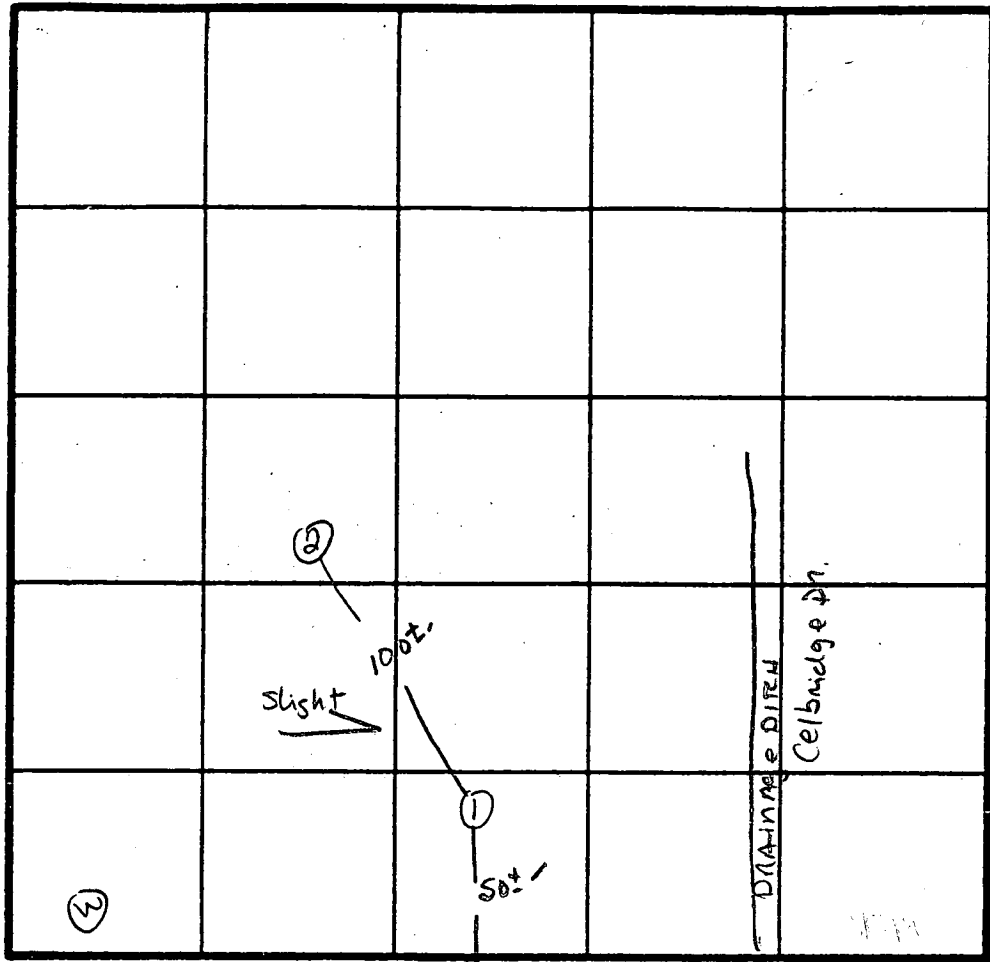
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Celbridge Ct.

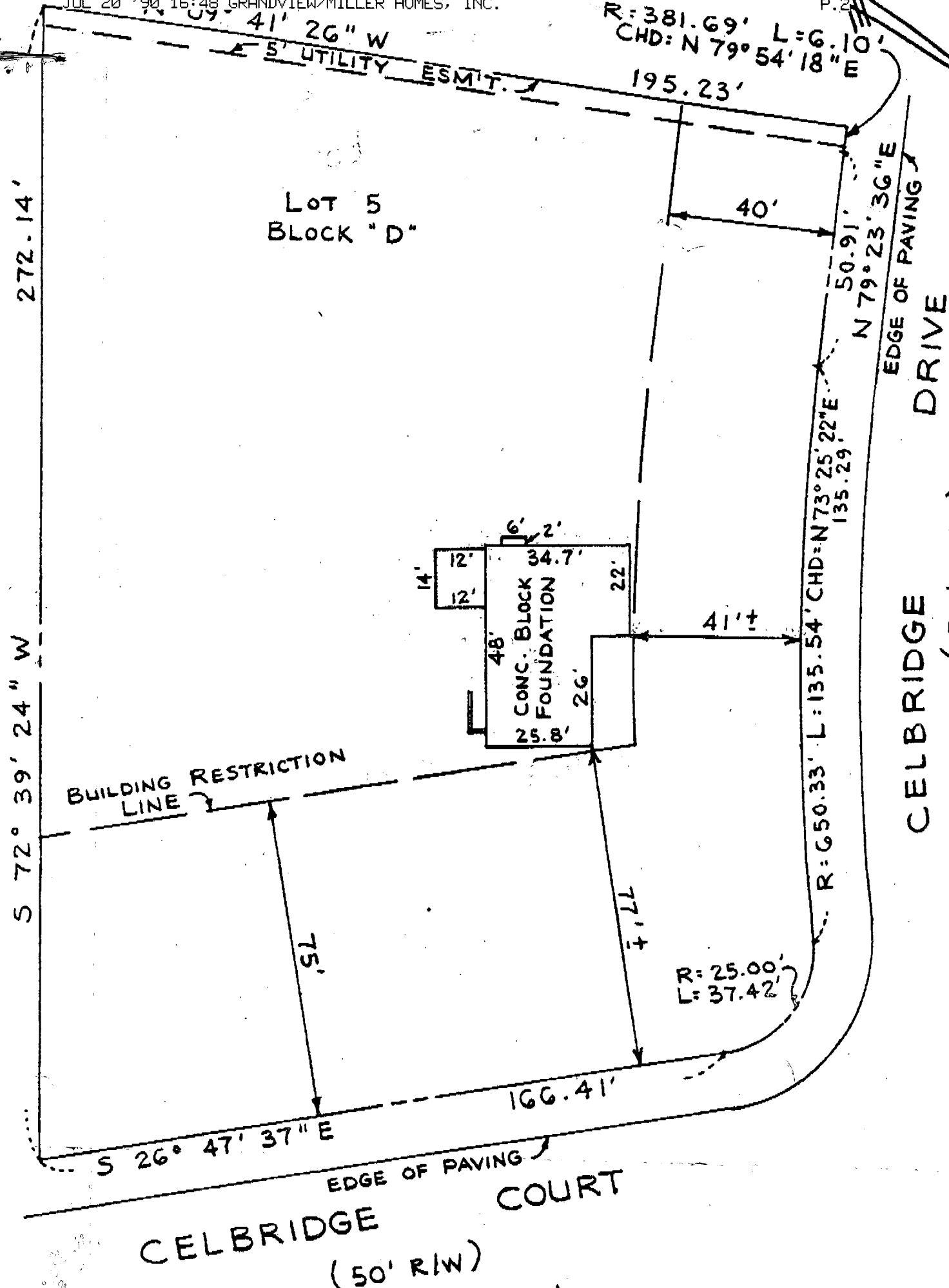
② ①
 0
 4" A1-3
 Yellow Br
 w/ Red Br
 Veins - clay
 loam,
 <100% Frap
 4" Brown Red
 w/ Grey
 Mottles
 Throughout
 Profile
 12"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/89	1 S V	5" 13"	10:00	10:08	10:08	10:23	15 min
	2 S V	4" 14" Hole caving in	10:03	10:06	10:06	10:14	8 min
						12" Clay to 3.5'	-40"

REMARKS _____

TYPE OF SOIL _____

TESTED BY S. Abel ALSO PRESENT J. Fyock



R: 381.69' L: 6.10'
CHD: N 79° 54' 18" E

EDGE OF PAVING
DRIVE

CELBRIDGE
(50' R/W)

BUILDING RESTRICTION
LINE

COURT

CELBRIDGE
(50' R/W)

LOCATION SURVEY
#14012 CELBRIDGE DRIVE
LOT 5 BLOCK "D"

ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: 1" = 30' 4/30/90
DEED: G55-039

I HEREBY CERTIFY THAT THE LOT HAS BEEN SURVEYED FOR THE PURPOSE OF LOCATING THE IMPROVEMENTS THEREON AND THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN.

M. & H. DEVELOPMENT ENGINEERS, INC.
200 EAST JOPPA ROAD
ROOM 101, SHELL BUILDING
TOWSON, MARYLAND 21204

#7024

REGION _____

AREA _____ RATING _____

ACKNOWLEDGMENT AND CONTROLS	DATE
✓	

Howard County Department of Health
BUREAU OF ENVIRONMENTAL HEALTH

RECORD OF INVESTIGATION

DISPOSITION	DATE

LOCATION Burntwoods Lot 5 Sec 3 ZIP _____

OWNER ADDRESS _____ PHONE _____
OCCUPANT

COMPLAINANT _____ ADDRESS _____ PHONE _____

REASON FOR INVESTIGATION _____

CODES _____

RECEIVED BY _____ DATE _____ ASSIGNED TO _____ DATE _____

DATE OF INVESTIGATION 5/9/90 TIME 3 PM WEATHER _____

REPORT Surface septic effluent was observed approx 45' from the lot line common to this and the adjacent lot 14016 Celbridge Ct. Approx 35' on the other side of the lot line, a septic tank c/o was observed. The tax map indicates the owner of 14016 Celbridge Ct is Harry E. Henderson

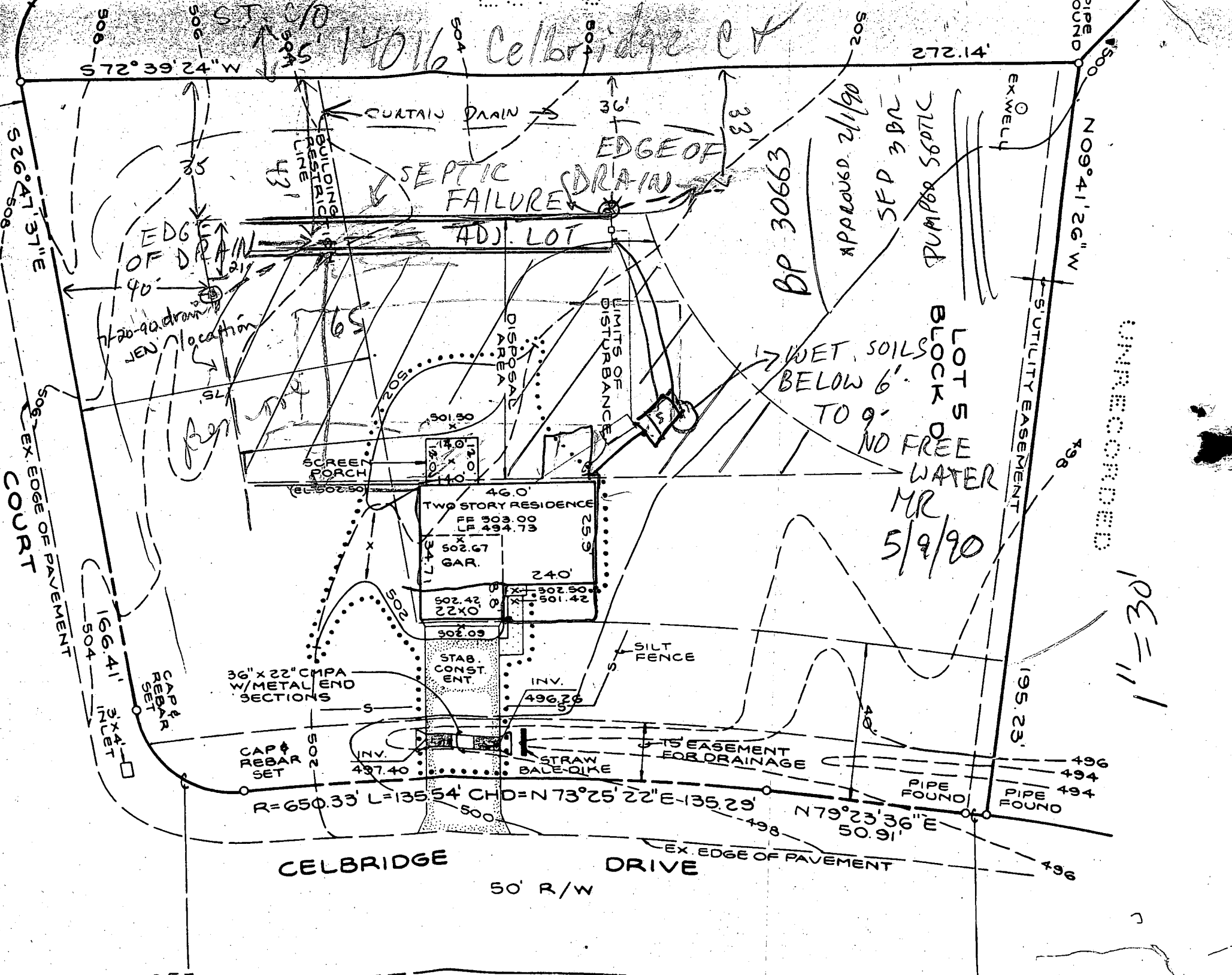
DATE SUBMITTED _____ SANITARIAN _____

MR 5/10/90

Burntwoods Lot 5 sec 3

During inspection of this lot, I observed the location of the curtain drain to be 43' off the property line (as indicated by a stake), and about 100' down the property line, the drain was observed at 33' off the property line. The distance from the curtain drain to the house under construction was about 65'. The location of the curtain drain appears to be at the high part of the SDA. Additionally standing water areas were observed at the surface of the curtain drain; this standing water had the appearance & odor of septic effluent.

A 9' hole was dug near the s.t. location, and wet mottled soils were observed at depths below 6'. Based upon this observation, I would recommend a top-seam tank.



14016 Celbridge Cr

SEPTIC FAILURE DRAIN

BP 30663
APPROVED 2/1/90
SFP 3 BR
PUMP 68 S60TC

WET SOILS BELOW 6' TO 9' NO FREE WATER MR 5/9/90

UNRECORDED
1" = 30'

TWO STORY RESIDENCE
FR 803.00
LR 494.73

STAB. CONST. ENT.

5' EASEMENT FOR DRAINAGE

CELBRIDGE DRIVE

DRIVE

50' R/W

PIPE FOUND

PIPE FOUND

PIPE FOUND

S72°39'24" W

272.14'

N09°41'26" W

S26°41'37" E

EX. EDGE OF PAVEMENT

UTILITY EASEMENT

36" x 22" CMPA W/METAL END SECTIONS

CAP & REBAR SET

R=650.33 L=135.54 CHD=N 73°25'22" E-135.29'

N 79°23'36" E 50.91'

EX. EDGE OF PAVEMENT

496

494

494

498

496

496

496

496

496

496

6/22

Lot 5, Section 3
Burntwoods
Howard County

SPECIFICATIONS

Pumping Chamber and Gravity Flow Disposal System

1. Design Parameters

Design Flow - 3 Bedrooms - 450 gpd
2 - 1500 gallons compartmented top seam septic tanks
500 Gal. pump chamber (secondary chamber of second septic tank)
Duplex pumping system
85 gallon pump dose @ 34 gpm
4 disposal trenches, 100' long x 36" wide, 9'8" apart on centers. Depth to be determined when excavated.

2. Sewage Treatment, Pumping

Two 1500 gallon compartmented top seam septic tanks are to be installed.

The second compartment of the second tank is to serve as the pumping chamber. The tank is to provide 12" of depth for pump submergence, 7" of depth for the pump cycle dose, and 4" of leeway for activation of the second pump and high water alarm.

A submersible duplex pumping system is to be provided. Pumps are to be mounted 8" above the pump chamber floor on blocks as shown on the drawing. Each pump is to be capable of delivering approximately 34 gallons per minute against 12' of head. The pumps should be Goulds Model WE 0311 L, 1/3 hp, 115v, single phase, or equal, and should be provided with a duplex control panel to allow pumps to alternate and to activate the second pump and alarm in the event of high water level. The control system should be Goulds Model A6-0511, or equal. The panel and high level alarm should be located inside the house.

3. All pressure piping is to be 2" Schedule 40 PVC.

4. Disconnect unions are to be divided on the pump discharge line. Gate valves are to be provided on the laterals as shown on the valve box drawing.

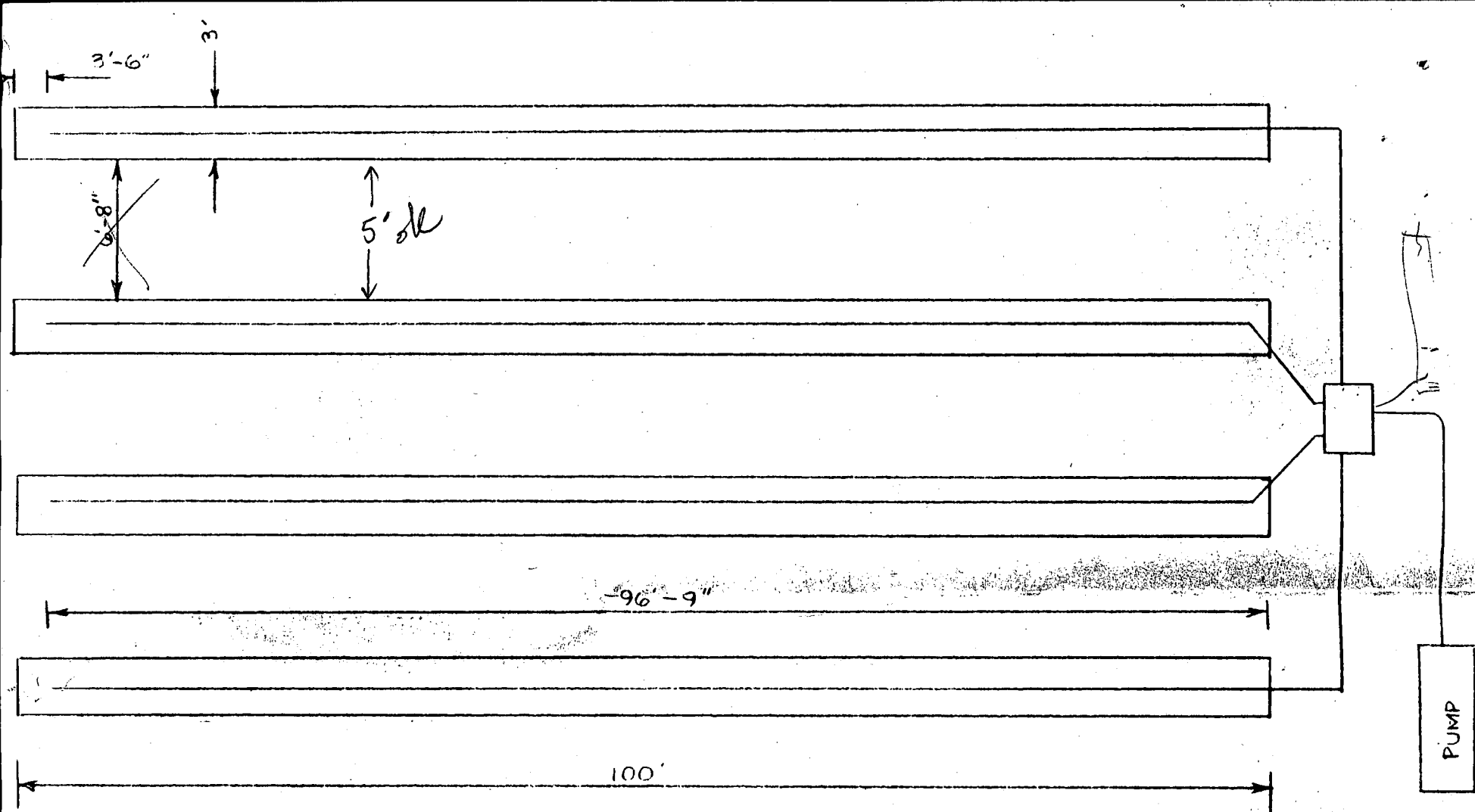
Specifications
Disposal System
Burntwoods

-2-

5. Disposal trenches are to be 100' long, 3' wide. Trench depth is to be determined as they are excavated. Trench bottoms are to be level with gravel beneath the distribution laterals.

6. The supply line from the pump chamber to the distribution box is to be installed on a continuous slope to assure complete drainage of the effluent following each pump cycle.

7. Tank dimensions are based on 1500 gallon top seam tanks as manufactured by Mayer Bros., Elkridge, MD.

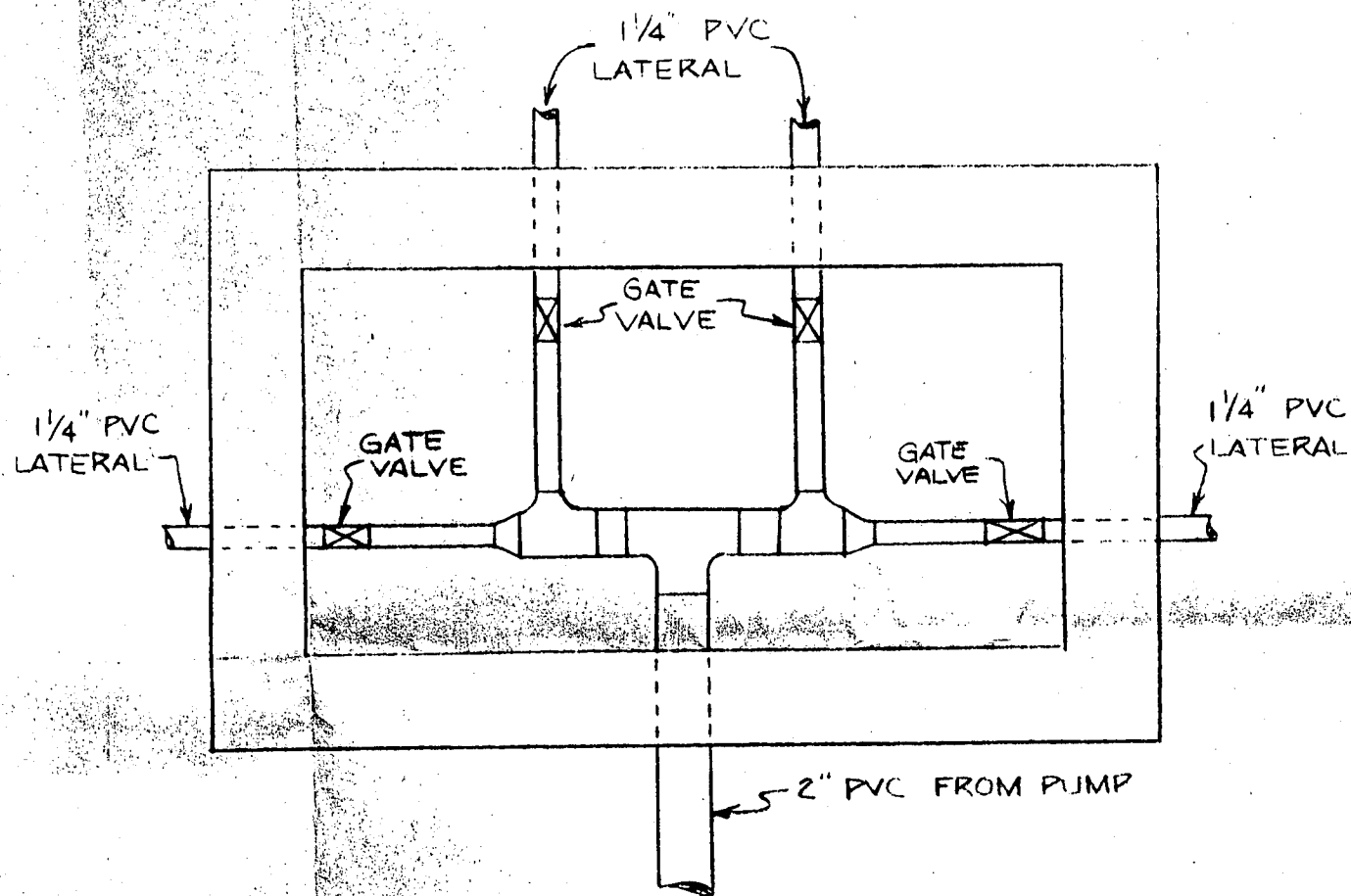


TRENCH PLAN

NOT TO SCALE

7-26-90 spoke to ^{Jim} Chase re: spacing of trenches. Decrease in distance ~~of~~ to 5 ft between trench edges will not change effectiveness of system. Distance from pump tank to valve box is not critical. Pump has been oversized to handle several changes in system. JEN

NOT TO SCALE



VALVE BOX

NOT TO SCALE

HOWARD COUNTY HEALTH DEPARTMENT

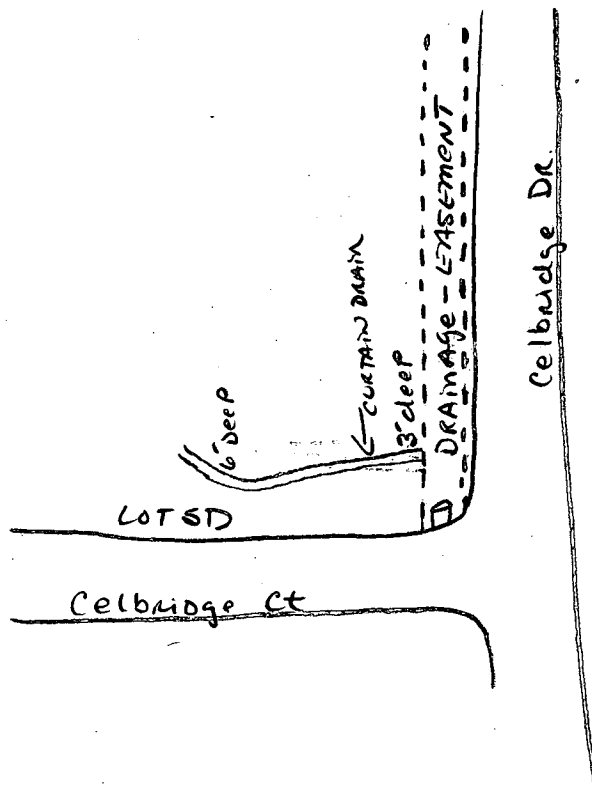
JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

1-10-89



INSP. CURTAIN DRAIN INSTALLATION. INSTALLER JACK FROCK & CO.

CURTAIN DRAIN BEING INSTALLED ON HIGH SIDE OF LOT WITH DRAINAGE
OUTLET HIGHEST END ON DRAINAGE EASEMENT ALONG FRONT OF LOT. (CELBRIDGE DR.)
CUT LOT DEPTH 3' BELOW ORIGINAL GRADE AND 6' BELOW ORIGINAL AT HIGH END
CURTAIN DRAIN. 12" OF GRAVEL IN TRENCH w/ ROLL TYPE DRAIN PIPE ON TOP, COVERED w/ STONE
AND RED ROSIN PAPER COVER FINAL STONE. ALL OF CURTAIN DRAIN EITHER BELOW OR
INTERCEPTING OBSERVED FLAGIPAN. TEST HOLE DUG 13' REVEALED H₂O AT 13'
AFTER 30 MIN.

SM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement _____

Receipt # 416196
Date 7/27/90

Name of Installer Catonsville Plumbers & Heating
102 Bloomsbury Ave.

Telephone 747-2293

License Number 3104
Certified Well Pump Installer _____

Well Driller _____ Registered Plumber ✓

Name of Property Owner Louis Heidemarize

Telephone _____

Subdivision Burntwood Lot # 5 Well Tag # 40-88-0864

Site Address 14012 Celbridge Dr Glenwood MD 21738

Pump

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

Motor

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

Pitless Adapter

- 1. Make _____
- 2. Model # _____
- 3. Depth _____

- 2. Make _____
- 3. Model # 7E H05412
- 4. Capacity 8 GPM

- 5. Pump exceeds well capacity Yes _____ No X
- 6. If Yes, is low pressure cutoff switch installed? Yes X No _____
- 7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards X Other _____

Tank

- 1. Capacity 82
- 2. Pressure relief valve? yes

Piping

- 1. Type Plastic
- 2. Size 1/2 IPS
- 3. NSF and/or BOCA Code approved _____
- 4. Depth of supply line 42"

Well data

- 1. Depth 160 ft.
- 2. Yield 10 GPM
- 3. Static water level 10 ft.
- 4. Will water supply be disinfected by installer? _____

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: [Signature]

Date: 7/27/90

8/1/90 OK
566 BACK
FOR COMMENTS

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

HOWARD COUNTY HEALTH DEPARTMENT
 Bureau of Environmental Health
 3525-B Elliott Mills Drive
 Ellicott City, MD 21043
 410-3823

APPLICATION FOR PUMP AND PRESSURE TANK INSTALLATION

Name of Installer: _____
 Address: _____
 Telephone: _____
 Date: _____
 Receipt #: _____
 Name of Property Owner: _____
 Address: _____
 Telephone: _____
 Well Tag #: _____

Name of Applicant: _____
 Address: _____
 Telephone: _____
 Well Tag #: _____
 Name of Well: _____
 Depth of Well: _____
 Type of Well: _____
 Location of Well: _____
 Name of Contractor: _____
 Address: _____
 Telephone: _____

8-1-90 Well line at house connection ok.
 well line at 54 inches below grade and sleeved
 from house to 89 ft (20± ft on other side
 of pump pit) Ground line attached. Pitless adaptor
 at 38 inches below grade. H. Nadeau

Signature of Applicant: _____
 Date: _____
 Signature of Inspector: _____
 Date: _____
 RECEIVED HOWARD COUNTY HEALTH DEPT.

28
 24
 55
 76
 912

C1 1004

SEQUENCE NO. (DENV 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 COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A-09019

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED 082989

Depth of Well 160 (TO NEAREST FOOT)

PERMIT NO. 40-88-0864

OWNER Spisso Lou last name Celbridge DR first name TOWN Glenolg SUBDIVISION Roundwoods SECTION 3 LOT 5

WELL LOG Not required for driven wells

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)

C 3 PUMPING TEST

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

TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY

HOURS PUMPED (nearest hour) 3

DESCRIPTION (Use additional sheets if needed)

CEMENT CM BENTONITE CLAY BC NO. OF BAGS 21 NO. OF POUNDS 2100

PUMPING RATE (gal. per min. to nearest gal.) 10

FEET FROM TO

GALLONS OF WATER 105 DEPTH OF GROUT SEAL (to nearest foot)

METHOD USED TO MEASURE PUMPING RATE Bucket

Top Soil 0 1

from 0 ft. to 3 ft. (enter 0 if from surface)

WATER LEVEL (distance from land surface)

Red clay 1 2

NO. OF BAGS NO. OF POUNDS

BEFORE PUMPING 10

Red mica 3 30

DEPTH OF GROUT SEAL

WHEN PUMPING 80

White clay 30 35

ST CO STEEL CONCRETE

TYPE OF PUMP USED (for test)

Red mica 35 55

PL OT PLASTIC OTHER

A air P piston T turbine

Green mica 55 110

MAIN CASING TYPE Nominal diameter top (main) casing

C centrifugal R rotary O other (describe below)

Red mica 110 115

Total depth of main casing

J jet S submersible

Clay 115 160

OTHER CASING (if used) diameter depth (feet)

PUMP INSTALLED

Check if water bearing

screen type or open hole insert appropriate code below

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO)

Check if water bearing

SCREEN RECORD ST BR HO STEEL BRASS OPEN HOLE

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

Check if water bearing

PL OT PLASTIC OTHER

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

Check if water bearing

DEPTH (nearest ft.)

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

Check if water bearing

1 Ho 10 160

PUMP HORSE POWER

Check if water bearing

2

PUMP COLUMN LENGTH (nearest ft.)

Check if water bearing

3

CASING HEIGHT (circle appropriate box and enter casing height)

Check if water bearing

SLOT SIZE 1 2 3

LAND SURFACE - below (nearest foot)

Check if water bearing

DIAMETER OF SCREEN (NEAREST INCH)

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)

Check if water bearing

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

DRILLERS IDENT. NO. 40

Check if water bearing

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

Check if water bearing

TELESCOPE CASING LOG INDICATOR OTHER DATA

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

Check if water bearing

COUNTY

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

Check if water bearing

COUNTY

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

Check if water bearing

COUNTY

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COUNTY

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

Check if water bearing

COUNTY

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

CHRONOLOGY REPORT - RE: BURNTWOODS SUBDIVISION

LOT 5, SECTION 3.

1. September 11, 1964 - date of percolation tests.
2. September 21, 1964 - date of approval for leaching bed system.
3. January 2, 1970 - plans submitted and approved for sewage disposal system.
4. February 20, 1973 - owner (Mr. Cerniglia) informed by Mr. Wine that due to heavy rainfall since original percolation test - system would have to be installed before building permit would be issued or have a 12 ft. visual hole dug in percolation test area to determine change in water table.
5. March 3, 1973 - visual hole dug - water at 3 1/4 ft. from grade. *Polished the Driv*
6. March 16, 1973 - all specification were voided and perc test procedures to start over again.
7. March 20, 1973 - letter and diagram received from Soil Conservation Service re: draining of lot to lower water table. (No follow up on this was done).
8. Mr. Cerniglia was in contact with this department and had stated that he would give up idea of building on lot and would not try to re-sell lot. (Date not known).
9. Copy of letter to prospective buyers - re: aerobic system and drain fields could be used on this lot. No approval for this was given by this department. (Date not known).
10. March 27, 1975 - this department was contacted by Mr. Spisso and Mrs. Carol Glynn of Allnut Realty Co., and was informed of the problems connected with this property.
11. *May 1973 - Spisso bought Lot - Settled Dec. 1973*
This department contacted Mr. Norman Lowery - Division of General Sanitation about withdrawing approval of this lot. He informed us that we could indeed withdraw our approval if there would be any potential public health problem. (Exact date not known).
12. Mr. and Mrs. Spisso came to this office and discussed this property and its problems. They were told that the situation could not be corrected. (Date not known). *after March 1975*
13. November, 1975 - Mr. Saxton, attorney for Mr. Spisso, contacted this office and was given a copy of all information regarding this property.
14. January 5, 1976 - this department met with Mr. Healy who was representing Mr. Saxton. It was decided at this time, to try to retest this lot and to try to work out the problems.
15. January 21, 1976 - date of retest - water was encountered at a depth of 5 ft. from grade and came up to 4 ft. from grade. The second pit showed water at 4 ft. from grade. Mr. Jack Fyock who was the digger, Mr. Spisso, Mr. Saxton, Mr. John Hagan, Soil Scientist with the Soil Conservation, along with Mr. Fred Frommelt and Mr. Donald Monaghan from this department were present.
16. January 21, 1976 - Mr. Spisso was told that a modified sand filter - chlorinator system might be acceptable and that he should submit plans for review by this office and to the Division of General Sanitation of the Environmental Health Administration, 201 W. Preston Street, Baltimore, Maryland.

17. February 11, 1976 - letter received from Soil Conservation Service stating that ground is not suitable for any conventional type sewage disposal system.
18. February 2, 1976 - Mr. Spisso submitted specifications as requested. These specifications were reviewed by this department and it was determined that they would not be approved. It was also decided to have a representative of the Division of General Sanitation review these specifications.
19. February 18, 1976 - said specifications and situation were reviewed by Mr. John Covalt, Regional Sanitarian - Division of General Sanitation. It was decided that the proposed type system would not adequately serve this property.
20. February 25, 1976 - certified letter sent to Mr. Spisso denying approval of the proposed sewage system. Letter also advised him of right to a hearing under the Administration Procedures Act.
21. March 3, 1976 - letter received from Mr. Saxton requesting a hearing - all pertinent information was reviewed by Dr. J. Brett Lazar, Deputy State and County Health Officer. Dr. Lazar upheld this department's decision.
22. March 4, 1976 - steps taken to initiate hearing.

Prepared by:

Donald W. Monaghan,
Sanitarian
Howard County Health Department

DWM: jr

INVENTORY & EVALUATION

* { INDIVIDUAL
GROUP
UNIT OF GOVERNMENT

REQUESTED BY HSCD - 1-20 Palmer Wine LOCATION Burntwoods - Lot 5, Sec. 3

ASSISTED BY James M. Helm DATE 3/20/73

SITUATION: In 1964 percolation tests were made in the Burntwoods Subdivision. At that time lot No.5, of Section 3 met the existing requirements. However, in 1973 another percolation test was made on Lot 5, and at this the results were not acceptable.

At the request of Mr. Palmer Wine, Howard County Health Dept., SCS Soil Scientist, Horace Smith and Soil Conservationist, Edward Null and Gene Skinner evaluated the soils on the lot to determine the influence of adverse conditions and whether or not these conditions to some extent can be overcome. The dominate soils on the lot are identified as Glenville Silt Loam which are moderately well drained, but which have a perched watertable at about 3 feet of depth due to a clay pan which impedes the downward movement of percolating water. Approximately 15% of the lot consists of a soil identified as Chester Silt Loam which normally is suitable for use as a site for on-site sewage disposal systems. This soil is however at a higher elevation than is the Glenville Soil at the proposed house location.

SUGGESTED SOLUTION(S): (1) Locate the house approximately as shown, utilizing a crawl space type of foundation to elevate the house well above the original ground in order to obtain suitable fall in the effluent lines which must drain to the on-site sewage treatment system location. Back fill around the foundation as required for esthetic purposes and to provide surface drainage. Note: also- the foundation of the dwelling should be such that the saturated soil condition as well as any heaving due to freezing and thawing will be overcome. (2) Locate the on-site sewage treatment system and drain fields within the more suitable Chester Silt Loam area on the south and east side in accordance with Health Dept. Requirements. (3) Install two tile drainage systems about as shown on the attached sketch. (a) provide foundation drainage for the dwelling. Outlet the line into the open ditch adjacent to Celbridge Drive. Line should be 3 ft. deep and in accordance with the attached sketch. (b) Install a system for removing excess sub-surface water within the lawn that will outlet at two places into the open ditch adjacent to Celbridge Drive. This line should be no closer than 25-30' (ft.) from the nearest sewage system tile field line.

(continued)

* Circle appropriate category.

INVENTORY & EVALUATION

* { INDIVIDUAL
GROUP
~~UNIT OF GOVERNMENT~~

Page 2

REQUESTED BY HSCD 1-20 Palmer Wine LOCATION Burntwoods Lot 5, Sec. 3

ASSISTED BY _____ DATE _____

SITUATION: _____

SUGGESTED SOLUTION(S): The attached sketch will show about how both tile lines should be installed.

Be sure to provide an iron or steel end section for all outlets into the open ditch. These end sections should also have animal guards to prevent the entry of rodents or other animals into the lines which could possibly block the lines and prevent proper functioning.

* Circle appropriate category.



UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

cooperating with

Howard

Conservation District

OUR SOIL ★ OUR STRENGTH

Owner

Burntwoods Lot 5 Sec. 3

Plan No.

Date

3/19/1

Scale 1" = 50'

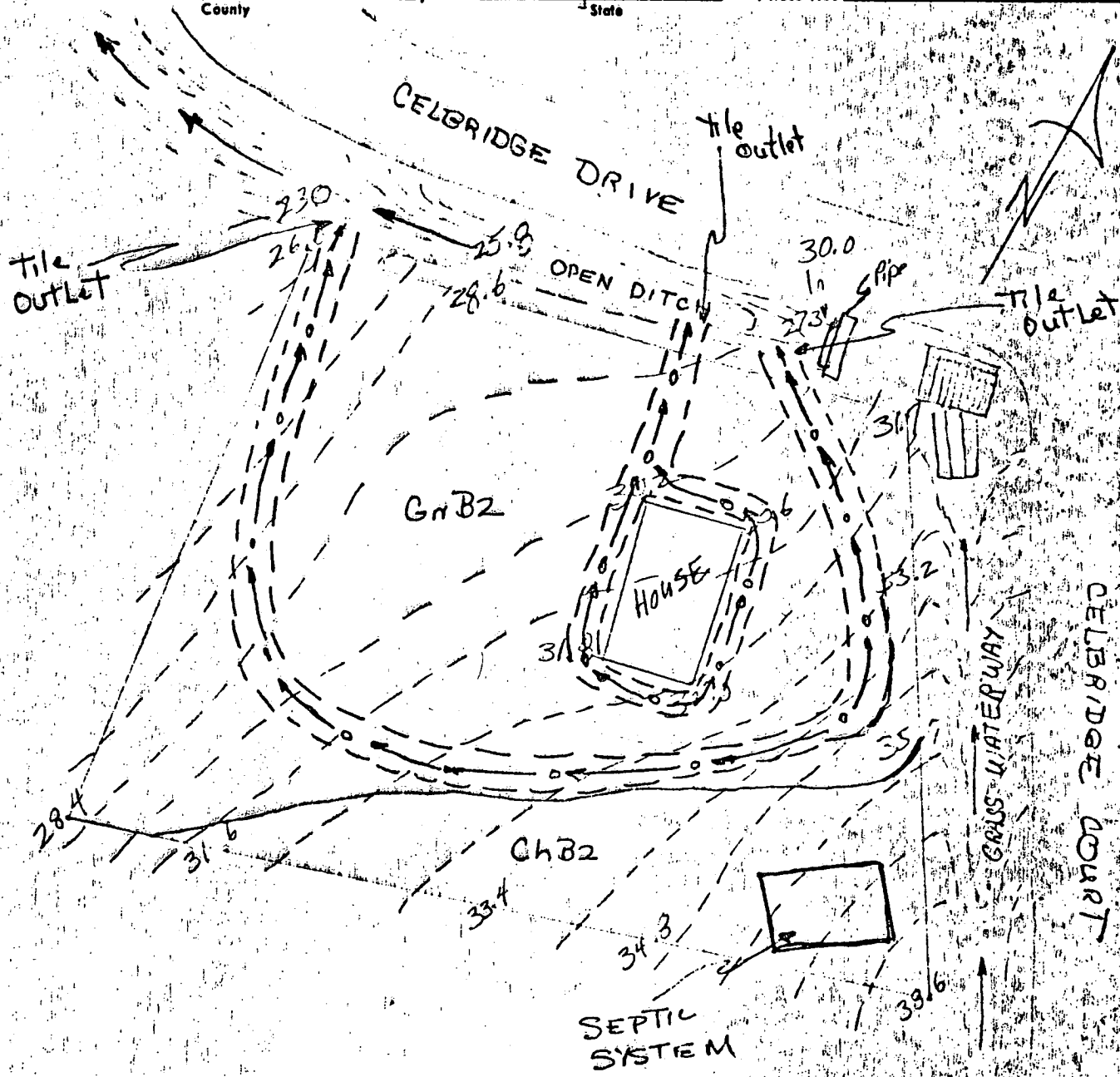
Acres

Approximate

Photo No.

Howard
County

MARYLAND
State



ChB2 - Chester silt loam
 GNB2 - Glenville silt loam

10/45. Lawyer came in & asked for copy
of reports.

U. W. M. said give him anything
he wanted.

Lawyer wanted copy of everything.

CONSERVATION PLAN MAP



UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

cooperating with

Conservation District _____

Owner _____

Plan No. _____

Date _____

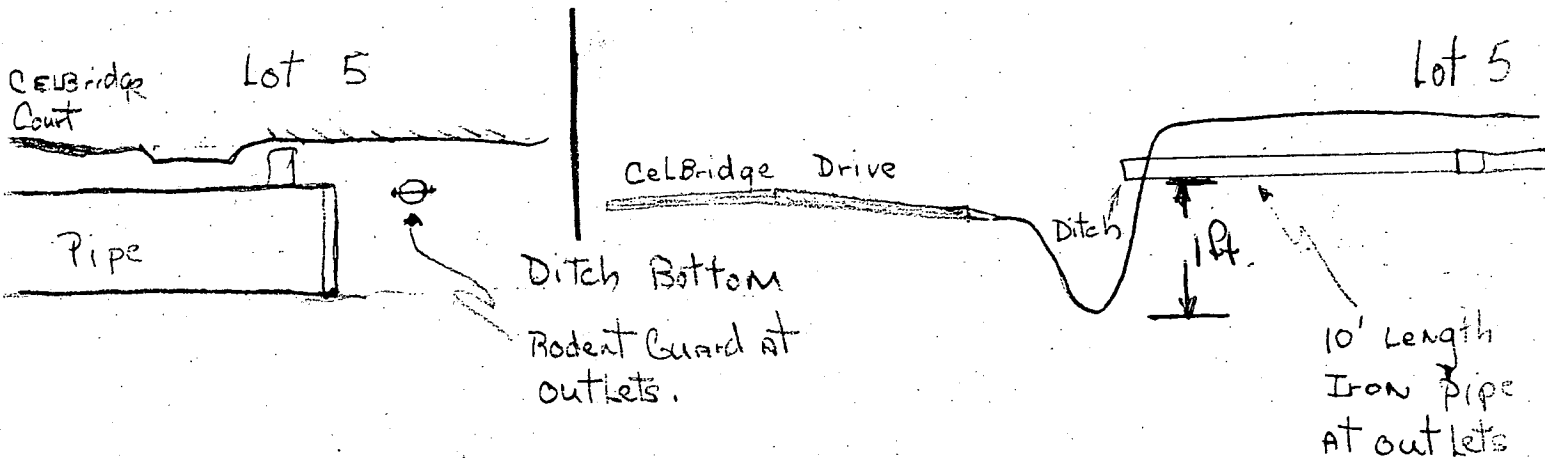
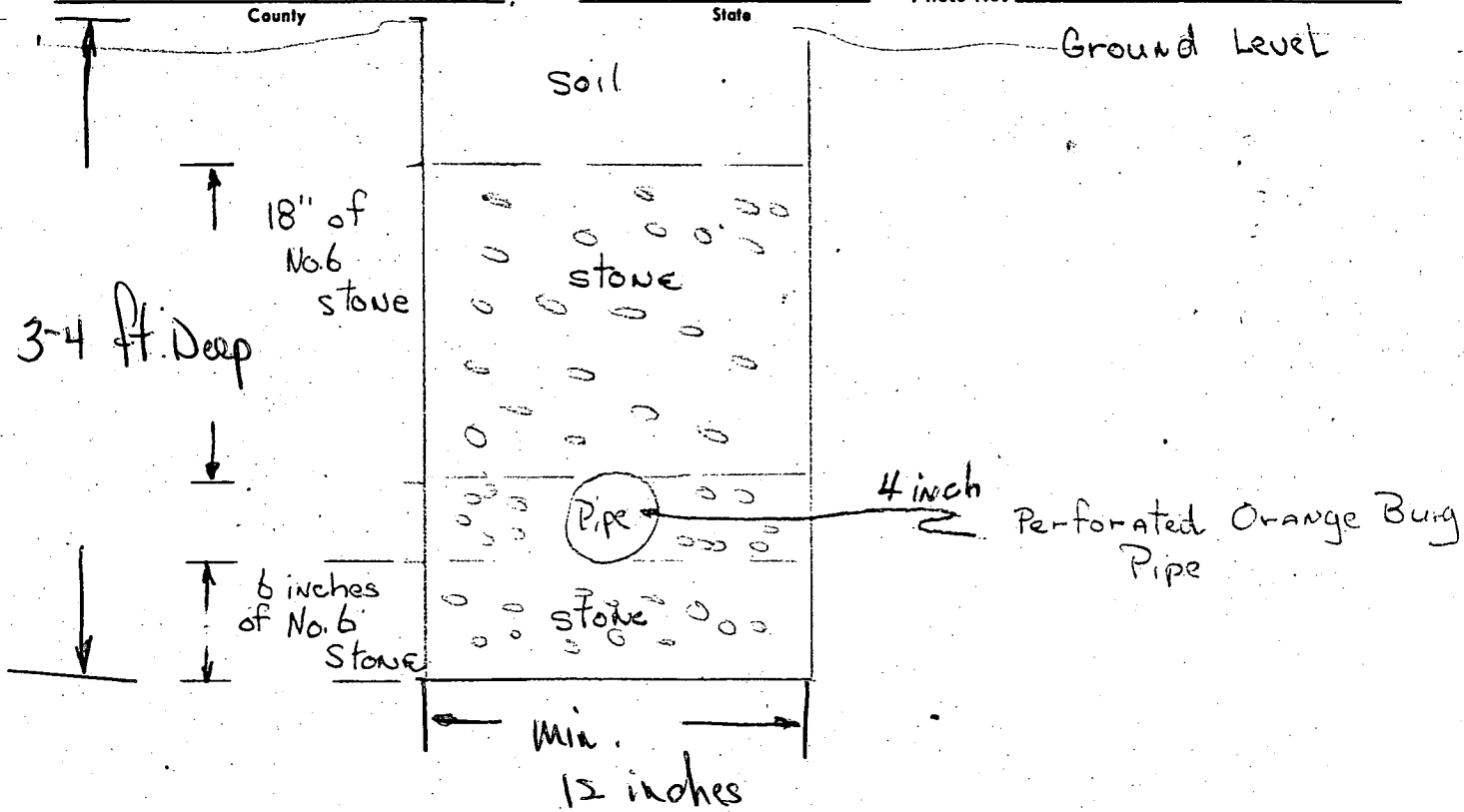
Operator _____

Scale _____

Acres _____

Approximate

Photo No. _____

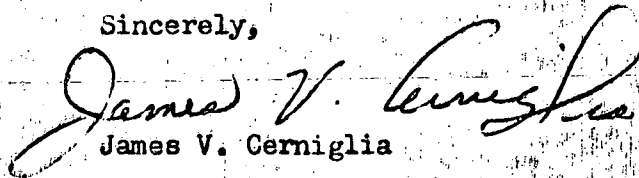


TO WHOM IT MAY CONCERN,

This is a registered perked lot and is able to be developed but with the following modifications:

A drain field must be installed and an aerobic system must be used. Also, if you plan to build in the near future, your house must be built without a cellar. This is due to all of the rain we have been having since Hurricane Agnes causing the water table in Howard County to rise. The aerobic system is a full-proof disposal system allowing you to use up to 600 gal. of water a day. Any overflow comes out as an odorless clear water. It never has to be cleaned as do your septic tanks. Further information can be obtained by calling Mr. Harting at 242-5825. His unit is one of two approved by the Health Dept. We were honestly all set to build and our permit was waiting upon completion of the drain fields but due to a conflict with our builder over money we cancelled our contract with him. Due to mental strain over this bickering back and forth with him, we decided to stay where we are at this time.

Sincerely,


James V. Cerniglia

Louis Spisso
602 Glenrock Road
Pikesville
Maryland 21208

January 29, 1976

Mr. Palmer Wine
Director
Howard County Health Department
County Office Building
Ellicott City, Maryland 21043

RE: Proposed Septic System for Burntwoods
Lot 5 Sec 3

Gentlemen:

The perked water table is approximately four (4) feet in depth. A one thousand (1,000) gallon septic tank will be installed (in accordance with county specifications for a three (3) bedroom dwelling). Attached to the septic outlet will be a chlorinator, comparable to the one now in use at the state farm on Folly Break Road ("Sanuril" manufactured by Diamond Shamrock Corp, Cleveland, Ohio) Howard County. A leach field will be utilized for drainage. This will consist of four (4) feet of graduated sand, covered with six (6) inches gravel. Treated water will pass through three (3) perforated distribution pipes.

Attached is a diagram of the proposed septic system.

Very Truly yours,

Louis Spisso

Louis Spisso

cc: Donald D. Saxton Jr.

1504 Copeland Road
Baltimore, Maryland
April 15, 1982

Department of
Environmental Health
P. O. Box 476
Ellicott City, Maryland 21043

Att: Mr. Palmer Wine

Gentlemen:

On or about February 24, 1982, Mr. John Covalt of the State Department of Health and Mental Hygiene, with Mr. Frank Skinner of the Howard County Department of Environmental Health, Howard County in attendance drew auger soil samples of Lot 5 Block D Section 3 Burntwoods Subdivision, the lot being owned by my wife Heidemarie Spisso and myself. It was determined the water level to be five feet below grade at lowest point of the lot and at the same location of the test pits taken in January, 1976.

Because this condition will not support a conventional septic system, my wife and I request the State consider an innovative or alternate type system which will be acceptable under the existing conditions of the lot.

I also authorize the State to use my lot to test such a system.

Very truly yours,


Louis Spisso

CC: David Carney



OFFICE OF ENVIRONMENTAL PROGRAMS

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

201 WEST PRESTON STREET • BALTIMORE, MARYLAND 21201 • Area Code 301 • 383-2054

Harry Hughes, Governor

Charles R. Buck, Jr., Sc.D. Secretary

September 22, 1982

SEP 24 10 25 AM '82

Mr. Palmer F. Wine, Director
Environmental Health
Howard County Health Department
8306 B Forrest Street
Ellicott City, Maryland 21043

Re: Field Evaluations on Spisso Property;
Burntwood Estates; Howard County

Dear Mr. Wine:

On August 4, 1982 and August 10, 1982 staff from this office, accompanied by a member of your staff, evaluated the soils at the referenced site for a proposed elevated sand mound system. Attached, for your information, are four (4) shallow soil profile descriptions (records of deeper soil excavations and profile descriptions were available in your office from previous evaluations) and the results of permeability tests conducted at the site.

During the initial visit, the shallow soil profiles were described and four (4) vertical infiltration tests utilizing 4" PVC pipe were conducted. Excluding test #1, which we believe was conducted too close to a previous backhoe excavation to be valid, the infiltration rates exceeded 60 minutes per inch drop which currently is our maximum allowable infiltration rate for the use of mound systems serving new construction. One test of the four (4) failed to achieve even the first inch drop (used for prewetting) in 60 minutes.

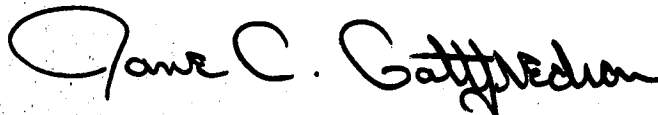
Since hand augering was difficult at some locations on this site, because of the presence of rocks, a second field evaluation was planned during which several conventional percolation tests would be conducted at a shallow depth of 21". The locations of these tests and the results are attached. It can be seen from these results that the conventional test, which measures both vertical and lateral or horizontal soil permeability (unlike the 4" PVC pipe tests conducted on August 5, which largely measure vertical permeability by inhibiting lateral water movement via the PVC pipe which covers the side wall of the boring) yielded permeability values of 30 minutes per inch or less.

Mr. Palmer F. Wine
Page 2

The results of these field evaluations indicate that while measured vertical infiltration rates are too slow to support the use of a mound system at this site, it may be possible to take advantage of the lateral plus the vertical soil permeability with a shallow trench-type disposal field. A shallow depth would keep the system above the seasonally high water table and above the less permeable clays found deeper in the profile.

If you have any questions or would like more information, please feel free to contact us.

Sincerely,



Jane C. Gottfredson, Geologist
Division of Residential Sanitation

JCG:mew

Attachments

cc: Mr. Dane S. Bauer
Mr. Jack R. Holthaus
Mr. John F. Covalt
Mr. Thomas M. Teutsch

HYDROGEOLOGICAL DATA

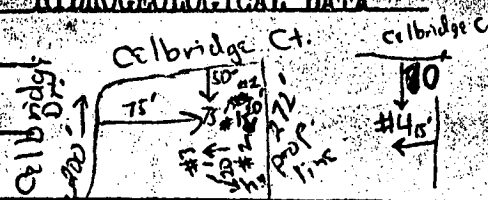
PROJECT NAME: Louis Sp... Prop. / Burntwood Estates

Cellbridge Ct.

cellbridge Ct.

COUNTY: Howard

DATE: 8/4/82



Boring Number	Soil Symbols	Depth From Surface	Texture	Color		Depth Of Groundwater	Other Remarks
				Matrix	Mottles		
#1 near lower of 2 original pitches		0-16"	silt loam	Yellow brown			
		16"-20"	" "	reddish brown			
		20"-25"	heavy silt loam (clay balls)	orange brown	gray ↓ (distinct) gold		
2	#2 20' from #1	0-6"	silt loam				
		6"-21"	clayey silt loam	orange brown			
#3		0-8"	clayey silt loam	lt. gold brown			
		8"-19"	" " "	lt. gold brown	gray (faint)		
		19"-22"	" " "	orange brown	rust & gray (distinct)		
#4 15' off 1st prop. line		0-17"	silt loam	Yellow/gold brown			
		17"-21"	" "	orange brown			

HYDROGEOLOGICAL DATA

PROJECT NAME: Louis Spisso/Burntwood Estates

DATE: 8/4/82

COUNTY: Howard

upper left corner had
lg boulders protrude
near surface - could
not penetrate
w/ auger. Used
short down
to: not test done
near 5 - could
not avoid
rock

#6
15' 82'
75' Dr.

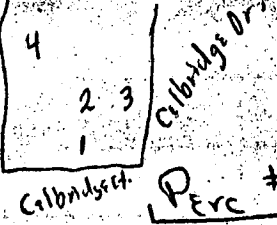
Boring Number	Soil Symbols	Depth From Surface	Texture	Color		Depth Of Groundwater	Other Remarks
				Matrix	Mottles		
#5	20' from left pop line + 30' to ae l bndry Ct.	0-	silt loam	yellow brown			
#6		0-6"	sandy loam	lt yellow brown			
		6"	silt loam	yellow brown			

near previous backhoe trench (could have been in old loose material)

Perc #1 test @ 22" ≈ 8" head

Time	Depth
start: 10:58	15 3/4"
11:08	17" } 1/8"
11:31	18 3/8" } 1/2"
12:07	19 7/8" } 1/8"
12:34	20 3/4" } 3/4"
35 minutes per inch { 1:02 1:28	21 1/2" } 3/4"
	22 1/4" } 3/4"

100' from prop. line
At prop. line (col. Dr.)
66' from



4" diameter PVC pipe vertical infiltration tests

Perc #2 test @ 21" ≈ 9" head

Time	Depth
start: 11:08	18 3/8"
11:30	20 1/4" } 3/4"
12:06	21" } 3/8"
12:35	21 3/8" } 4/8"
69 minutes per inch { 1:03 1:29	21 7/8" } 3/4"
	22 1/4" } 3/4"

Further back from col. ct. than #1

Perc #3 test @ 22" ≈ 7" head

Time	Depth
start: 11:30	20 3/8" } 1/8"
12:05	21 1/2" } 5/8"
12:35	22 1/8" } 3/8"
69 minutes per inch { 1:04 1:30	22 5/8" } 3/8"
	23" } 3/8"

22' toward Colbridge Dr. from #2

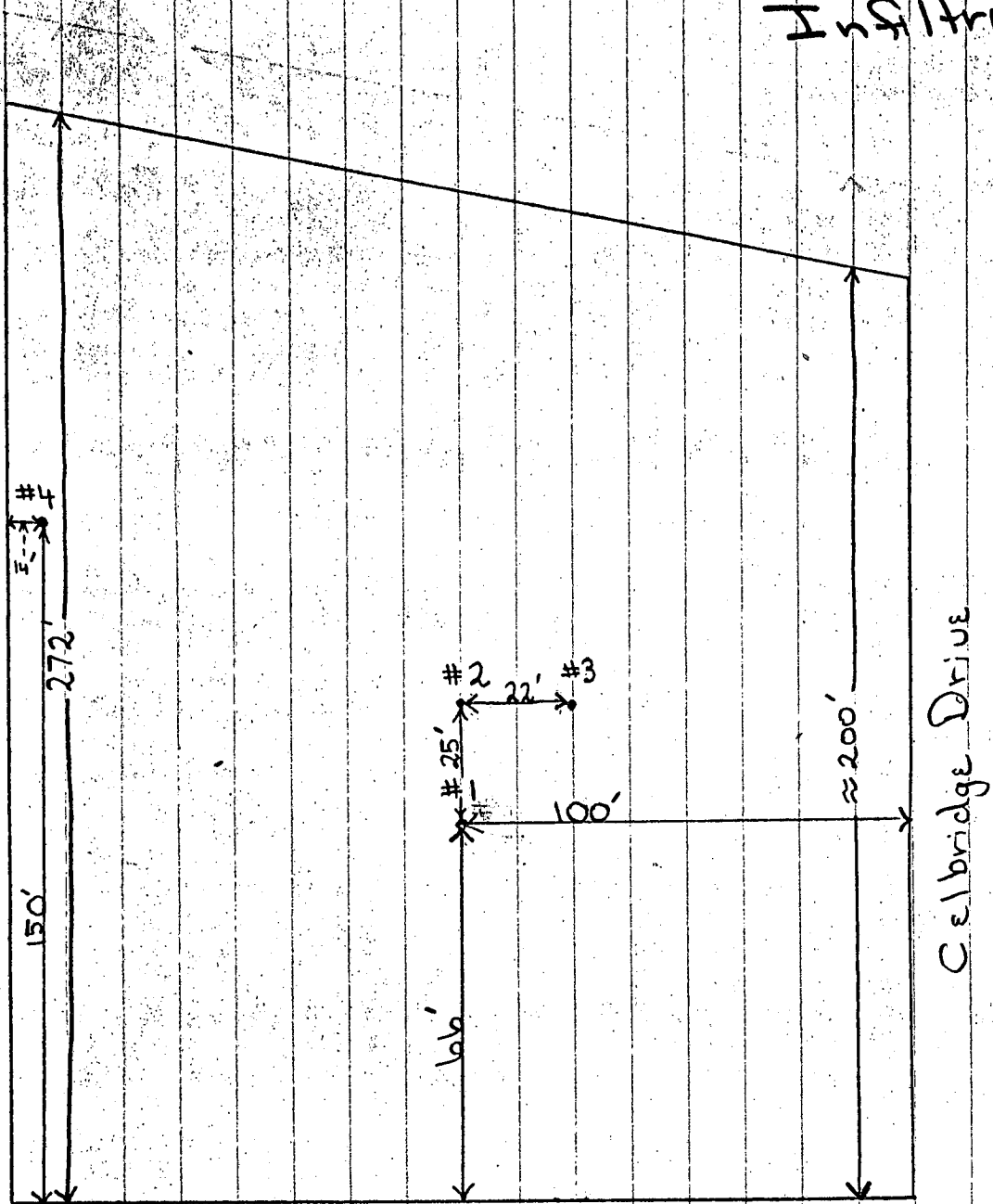
Perc #4 test @ 18"

Time	Depth
start: 12:04	16 1/2"
12:23	16 7/8" } 60 min. 1st 1" not achieved
12:37	17"
1:06	17 1/4"

pre-wet not achieved

16' from left prop. line
150' from col. ct.

Infiltration Test locations
8/4/82



Celbridge Court

Celbridge Drive

Louis Spisso Property/Burntwood
Howard County
Estr

8/10/82

FRANK SKINNER
JOHN COVAL

① 10:01
 10:13 - 1"
 10:28 - 2"
 10:54 - 3"
 11:09 = 3 1/2" DROP

② 10:10
 10:27 - 2" DROP
 10:41 - 3"
 11:04 - 4" DROP

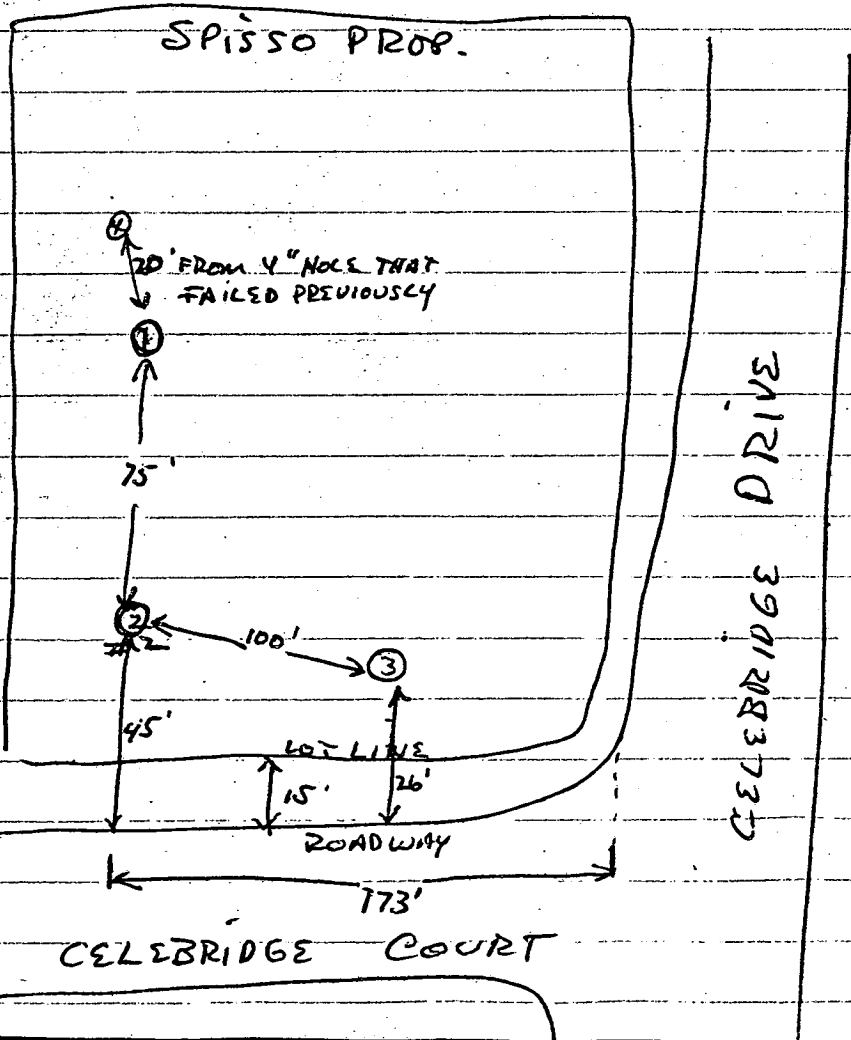
30 minutes per inch }
 23 minutes per inch }

③ 10:14
 10:30 - 2" DROP
 11:03 - 3 1/8" DROP

29 minutes per inch }

Tests performed @ 21" depth
on August 10, 1982

LOTS - SEC. III



HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH
TIBER PLACE
8308B FORREST STREET
ELLCOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

March 29, 1983

Mr. Louis Spisso
1504 Copeland Road
Baltimore, Maryland 21228

RE: Burntwoods, Lot 5, Section 3

Dear Mr. Spisso:

Based on recent field evaluations at the above referenced site, it is our opinion that a shallow trench disposal field would function properly if the area of the proposed disposal field and its two (2) replacement areas were adequately drained.

The installation of a curtain drain with an outlet at the drainage ditch at Celbridge Drive, may depress the water table enough to make a shallow system feasible.

A proposal detailing this curtain drain and septic system must be submitted and approved. The curtain drain may then be installed in a dry time of the year, and the water table must then be checked the following wet season. If the drain functions properly, then a permit to allow construction could be granted. This proposal must be prepared by a registered land surveyor or registered professional engineer. Prior to the initial design, please have this person contact this Bureau for comments.

Enclosed is a copy of the field evaluations performed in August, 1982 and their explanation.

If you have any questions please call me at 992-2330.

Very truly yours,

Frank A. Skinner, Director
Water and Sewerage Program

FAS:hs

cc: John Covalt

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

December 14, 1988

Mr. James D. Clise, P.E.
Sanitary/Environmental Engineering, Inc.
1414 Washington Road
Westminster, Maryland 21157

RE: Burntwoods Subdivision
Section III - Lot 5D
Celbridge Court

Dear Mr. Clise:

A copy of the attached curtain drain proposal for Lot 5D, Section III, Burntwoods Subdivision on Celbridge Court has been reviewed. It is agreed that this represents a reasonable attempt to overcome the water table limitations that have up to this time prevented approval as a buildable lot.

A minor design adjustment was discussed with you to provide greater separation between the curtain drain and the septic system on the adjoining lot. Subject to this adjustment, this office is in agreement with your intent to install this drainage system, provisional to obtaining such approvals from other County agencies as may be appropriate.

If you elect to proceed with this proposal, please advise this office upon beginning and upon completing the project. Once the drain has been installed, the lot will be eligible for a wet season percolation re-test.

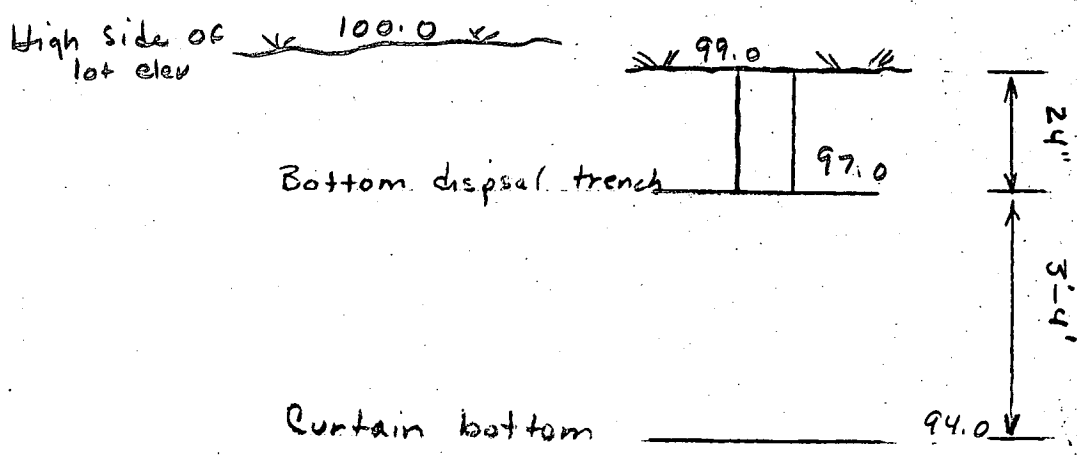
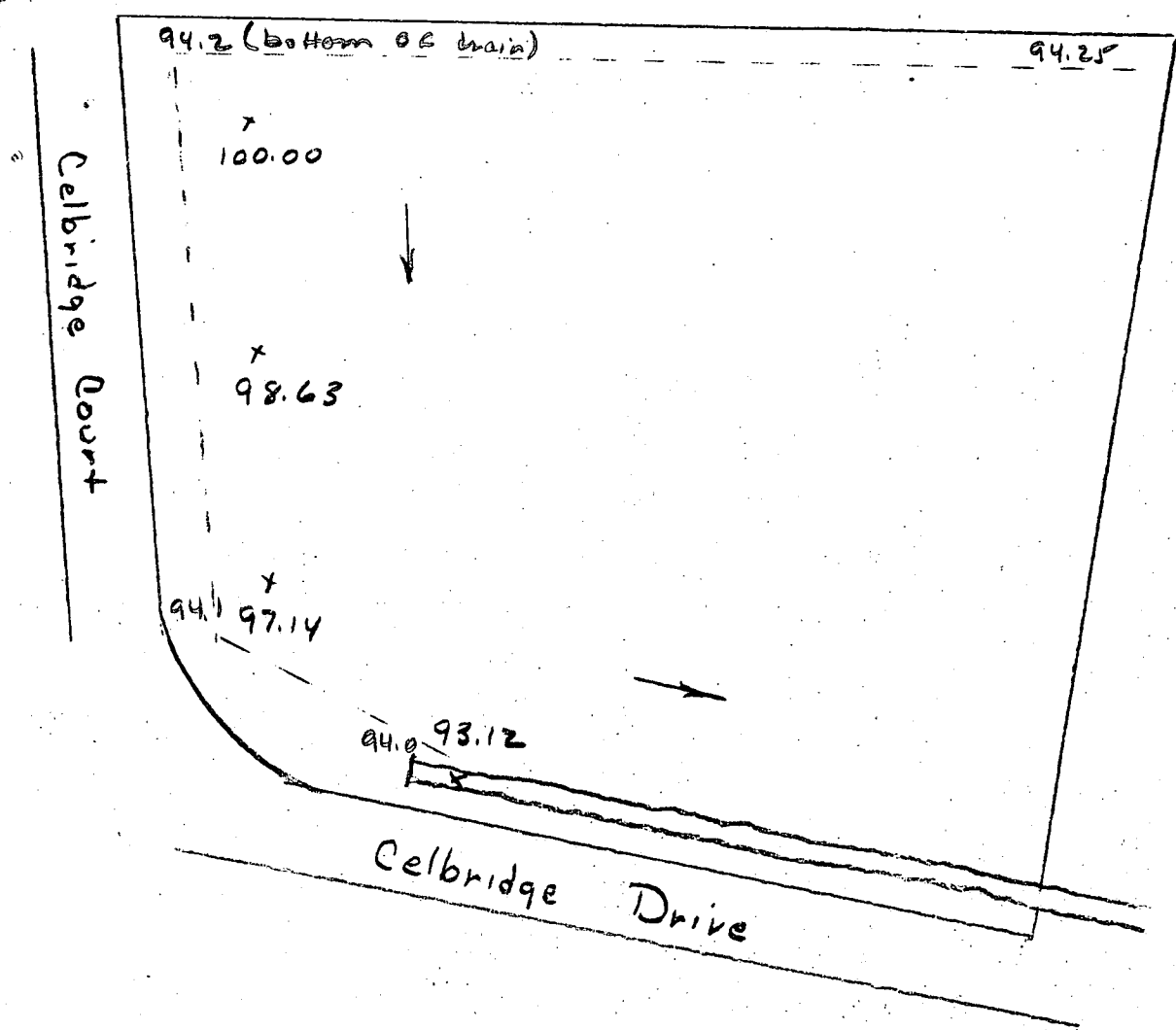
If you have any questions relative to this matter, please call me at 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

Enclosure



HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

April 20, 1989

Mr. James D. Clise, P.E.
Sanitary/Environmental Engineering, Inc.
1414 Washington Road
Westminster, Maryland 21157

RE: Burntwoods Subdivision
Section III - Lot 5D
Celbridge Court

Dear Mr. Clise:

A curtain drain has been installed on the above referenced property for the purpose of controlling the maximum height of the water table. Soils evaluation after curtain drain installation indicate a limited amount of acceptable area for septic system installation.

Further review requires a detailed site development plan showing location and elevation of the following:

- Curtain drain
- House site, well site
- Proposed septic system layout

If you have any questions relative to this matter, please call me at 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

June 14, 1989

Mr. James D. Clise
Sanitary/Environmental Engineering, Inc.
1414 Washington Road
Westminster, Maryland 21157

RE: Burntwoods Subdivision
Lot 5, Section 3
Site Plan

Dear Mr. Clise:

Thank you for your recent site plan submission of Lot 5, Section 3, of Burntwoods Subdivision.

Prior to approval of a site plan this office must require that the house site be established rather than an envelope. Also, complete elevations of the septic system should be shown on the site plan. For your convenience a sample drawing is enclosed.

In addition, because of the limited space for the initial septic system and future repairs, this office will require that all three systems be shown on the site plan. This will assure this department that ample area exist for these systems and at the same time meeting all required distance restrictions.

If you have any further questions relative to this matter, please call 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

Enclosures



County Council of Howard County

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GEORGE HOWARD BUILDING
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MARYLAND 21043-4392
992-2001

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M E M O R A N D U M

April 11, 1990

MEMO TO: Dr. Joyce Boyd
Health Department

SUBJECT: Lot Drainage of 14012 Celbridge Ct.

I have received a complaint from a constituent who is concerned about the property located at 14012 Clebridge Ct. According to the caller, this lot did not receive satisfactory "perc" test in the past due to a large volume of surface water.

Now it appears that the lot has had drainage tile placed in strategic points to remove this excess moisture and allow the lot to pass the "perc" test. Accordingly, I understand that a permit has been issued.

The callers complaint concerns the effluent now being drained from the lot. Please provide me with any pertinent information and assist me in addressing the following questions:

If the lot located at 14012 Celbridge Ct. required drainage tile in order to pass the "perc" test, what will happen to the septic system during a wet spring?

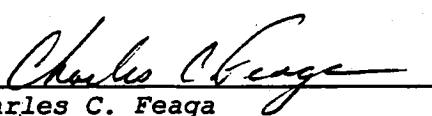
Could the current excess water effluent become contaminated by sewage should the septic system fail?

Where does the effluent from the drainage system currently empty?

Were any other attempts to have this lot pass a "perc" test made in the past? If so, how many, when were these tests completed and what were the results?

Where is the proposed septic system to be located in relation to the drainage system?

Thank you for your assistance in this matter and I look forward to hearing from you.


Charles C. Feaga
Council Member

CF000321/PAB/gc/HEA-1

Hugh J. Forton
Executive Secretary

DEAF TDD NUMBER - 992-2323

Ronald S. Weinstein
County Auditor



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

Reply to:

May 8, 1990

Charles C. Feaga, Council Member
County Council of Howard County
3430 Court House Drive
Ellicott City, Maryland 21043

RE: Burntwoods, Lot 5, Sec. 3
14012 Celbridge Court

Dear Councilman Feaga:

This is in response to your memorandum of April 11 inquiring about drainage and percolation testing of the above referenced lot. I understand that Craig Williams, Director of this office's Water and Sewage Program, has discussed some of the history of this property with Pete Beck of your office.

The question about percolation test history involves the most complex response. By answering it first, I believe the other questions you asked will be easier to approach.

- The lot was first tested in 1964. The results were successful. The lot was approved for installation of a conventional septic system.
- A confirming test was requested in 1973 by this office because experience had shown that wide fluctuations in groundwater tables had occurred due to severe wet weather in the early 1970's. The single observation hole was not successful due to high water table. The previous approval of the property was rescinded.

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- Follow-up testing was conducted in 1976 to determine if any solution was possible. Water table was again encountered at a prohibitive level. A specific septic system design proposal was submitted by the applicant to try to overcome the water table problem. This proposal was denied, but the right to consider alternative proposed septic system designs was upheld.
- Further testing was conducted in 1982, with water table still evident. This department expressed a willingness to accept a shallow design septic system if a curtain drain system could be installed to control the water table. This conditional approval required a curtain drain to be installed, and the water table monitored afterwards to demonstrate that the water table had been effectively lowered. If this could be accomplished, approval would be granted to install a septic system. A proposal to install a curtain drain was presented and accepted, but the drain was not installed at that time.
- A curtain drain was installed early in January of 1989, just prior to the spring wet season. A test hole did not encounter water until 12 feet, a depth not objectionable for routine installation of a shallow septic system. This suggested that the water table problem previously encountered was not so much due to routine seasonal fluctuations in water table, but was more related to the rare, severe, rainfall events of 1972 and had taken many years to subside.
- A follow-up inspection, with curtain drain installed, in April, 1989, "a wet spring", revealed no increase in water table from the level observed in January. The lot was accepted as eligible for issuance of a septic permit and the building permit was issued.

With this background, answers to the other questions are as follows:

- No water table problems were observed in the spring of 1989, by all accounts a wet spring. Installation of the "drain tile" (curtain drain) will provide some protection against the prospect of an extreme freak event such as prolonged wet weather. Few properties have this protection.
- The septic system is to be located 20 feet down gradient from the curtain drain trench. Even though the drainage trench is deeper than the proposed septic system, the septic system effluent would be expected to migrate away from, not towards, the drainage trench.
- The drainage trench empties to a shallow drainage ditch already in place at street level.

Charles C. Feaga

- 3 -

May 8, 1990

Should you have any questions, please contact Frank Skinner at 461-9956.

Very truly yours,



Joyce M. Boyd, M.D.
County Health Officer

JMB/CW:hs

cc: Elizabeth Bobo



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

May 15, 1990

Reply to:

Mr. Louis Spisso
1504 Copeland Road
Baltimore, Maryland 21228

RE: Burntwoods Subdivision
Lot 5 Section 3
14012 Celbridge Court

Dear Mr. Spisso:

This is to advise that approval for a septic system installation permit for the above referenced property is being withheld pending further study. There appears to be a conflict between the location of the installed curtain drain and the approved location for the septic system. This conflict must be resolved before the septic installation permit can be issued.

The curtain drain was proposed to be installed 15 - 20 feet from the upper property boundary; with the upper most sewage disposal trench to be 40 feet from that boundary. To be certain that proper separation was maintained, we requested the septic contractor excavate to confirm the location of the curtain drain before beginning installation of the septic system. The curtain drain was found to be 35 - 45 feet from the apparent property boundary.

If this measurement is correct, there may be insufficient area remaining to safely install the septic system and provide for future repair area. In order to confirm the extent of the problem and determine possible solutions, it is necessary that a plat be submitted by a registered engineer showing certified locations of all relevant features. These features would include property boundaries, installed curtain drain, drilled well and house under construction. Further excavation may be necessary to positively determine the location of the curtain drain. Once the drain is located, both the drain and the upper property boundary should be staked to allow field verification.

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May 15, 1990

I regret the need to request this information at this stage, but unless the location of the curtain drain is clearly established, we cannot safely proceed with installation of the septic system.

Thank you for your attention to this matter.

Very truly yours,



Craig Williams, Director
Water and Sewerage Program

CW:jr

cc: Mr. Stanly Miller
Mr. James Clise, Sanitary/Environmental Engineering, Inc.
Mr. J. Leasen, Spellman Larson & Associates, Inc.
Mr. Paul Schissler, South Carroll Backhoe
File



NOT SENT -
(INFORMATION
GIVEN BY
TELEPHONE)

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

June 13, 1990

Reply to:

MEMORANDUM

TO: Sanitary Environmental
Engineering, Inc.
1414 Washington Road
Westminster, Maryland 21157

Attention: Jim Clise

FROM: Craig Williams, Director
Water and Sewerage Program
Howard County Health Department

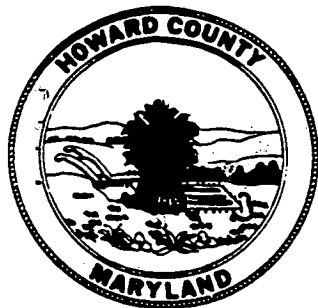
RE: Septic System Design
Burntwoods Subdivision
Section III - Lot 5

The following are several comments that need to be addressed regarding the above referenced plan:

- Trenches too close, reduce to four trenches, spaced equally.
(Differs from field discussion, but upon consideration, 4.5 feet between trenches not acceptable.)
- Provide for alternating fields by providing separate distribution box for each set of 2 trenches. Flow to distribution box to be controlled by "bull run" or equivalent valve.

(SEE DIAGRAM FOR ABOVE CHANGES.)
- Is there a pump outage alarm?
- Please discuss comment: "Supply line ... on continuous slope to assure complete drainage ...". Not sure which way you mean for it to drain.
- How deep are the tanks?
- Specify that trench depths are to be 5 feet "or shallower" as determined by health department at time of installation.

CW:jr



County Council of Howard County

Craig
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M E M O R A N D U M

July 23, 1990

MEMO TO: Joyce M. Boyd, M.D.
County Health Office

SUBJECT: Burntwoods, Lot 5, Sec. 3
14012 Celbridge Court

Thank you for your response to my earlier questions concerning the septic system planned for the residence located at 14012 Celbridge Court. I have one additional question relating to your July response.

I note that the "low pressure dosing" septic system planned has four 100 foot drainfields set for service/rest cycle. This system calls for the in-service fields to be re-set annually.

My question is; Who is supposed to insure that the in-service/rest fields are annually re-set?

If the Health Department is "out of the loop" except if a problem develops, what guarantee do the local residents have that the system will be maintained in a proper manner, in the event that the residence is sold?

Thank you for your assistance in this matter.

Charles C. Feaga

Charles C. Feaga
Council Member

CF000495/PAB/gc/HEA-1



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

August 3, 1990

Reply to:

To: Frank Skinner

From: Craig Williams *C.W.*

RE: Burntwoods Lot 5, Section 3
14012 Celbridge Ct.

In response to Councilman Feaga's inquiry of July 23 about this septic system:

Both the "low pressure dosing" and the "alternating fields" aspects of the above referenced septic system are optional upgrades to a standard septic ~~system~~ system. These upgrades were requested by the applicant; they were not mandated by this office as a condition of approval of the system.

Both features require some degree of homeowner maintainence. Presumably the homeowner would do the maintainence, it is certainly not very involved. If they are maintained, so much the better. If they are not maintained, we still have a conventional system that meets all Health Department requirements.

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County Council of Howard County

Craig
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M E M O R A N D U M

July 23, 1990

MEMO TO: Joyce M. Boyd, M.D.
County Health Office

SUBJECT: Burntwoods, Lot 5, Sec. 3
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I note that the "low pressure dosing" septic system planned has four 100 foot drainfields set for service/rest cycle. This system calls for the in-service fields to be re-set annually.

My question is; Who is supposed to insure that the in-service/rest fields are annually re-set?

If the Health Department is "out of the loop" except if a problem develops, what guarantee do the local residents have that the system will be maintained in a proper manner, in the event that the residence is sold?

Thank you for your assistance in this matter.

Charles C. Feaga

Charles C. Feaga
Council Member

CF000495/PAB/gc/HEA-1



Craig 8/8/90
Here is our response
Frank

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

Reply to:

August 8, 1990

MEMORANDUM

TO: Charles C. Feaga, Council Member
County Council of Howard County

FROM: Joyce M. Boyd, M.D.
County Health Officer

SUBJECT: Burntwoods, Lot 5, Sec. 3
14012 Celbridge Court

In response to your request regarding maintenance of the septic system at the above referenced property, I offer the following information.

The property owner is responsible for insuring that the in-service/rest fields are annually re-set. Both the "low pressure dosing" and the "alternating fields" aspects of the above referenced septic system are optional upgrades to a standard septic system. These upgrades were requested by the applicant; they were not mandated by this office as a condition of approval of the system. Both features require some degree of homeowner maintenance and it is certainly not very involved. If they are maintained, so much the better. If they are not maintained, a conventional system that meets all Health Department requirements remains.

The Health Department is "out of the loop" until a problem develops with a sewage disposal system. Extensive soils evaluation and reviews at the pre-subdivision, record plat, building permit application and construction phases provide us with reasonable assurances that a sewage disposal system will function adequately. Once the septic system is properly installed, the homeowner is responsible for its maintenance. In most cases, this is no more

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Charles C. Feaga

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August 8, 1990

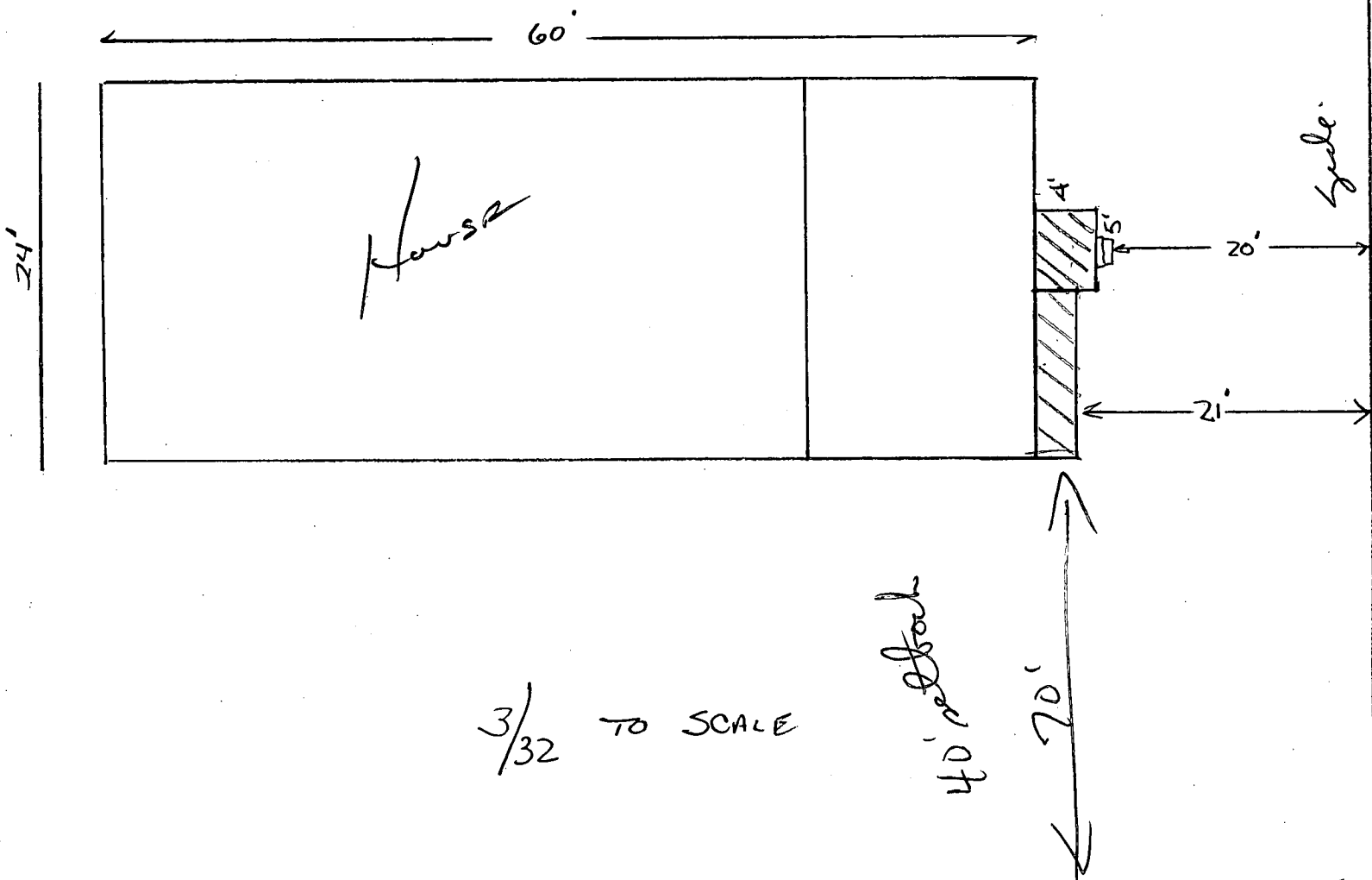
involved than being cautious with water usage and seeing that the septic tank is pumped out to remove solids every three to five years.

If you have any questions regarding this matter, please call Frank Skinner at 461-9956.

JMB/FAS:hs

cc: Elizabeth Bobo

8/19/99
Shown porch
location will have
no impact on the existing
well and/or septic.
A McMills



3/32 TO SCALE

40' setback

70'