

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-335325

P 50958

A REPAIR

DISTRICT \_\_\_\_\_

DATE 11-6-95

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~

313-2640

DATE SYSTEM APPROVED 12-20-96

INSPECTOR ALM

### INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER X

ADDRESS 558-R Obrecht Road, Sykesville, MD 21784 PHONE 795-5674

SUBDIVISION Glenwood Estates LOT 1-SECT ROAD 14580 Mustang Path

PROPERTY OWNER \_\_\_\_\_ Conover

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS

NUMBER OF BEDROOMS 4

N/A SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320 100

REPAIR - PURPOSE - SEPTIC SYSTEM HAS FAILED.

Call for inspection when ground is opened so sanitarian can recommend repair.

3-7-96 Install trenches with maximum bottom depth of 8.5 feet, inlet at 6.5', with 2.0' of stone. Trenches to be 30' wide. Begin first trench approx. 105 feet up the left property line and 60 feet off that same lot line which facing property with Mustang Path. Recommend additional stone depth as upgrade to system but not a requirement. Amy McMillan

PLANS APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

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 ABS

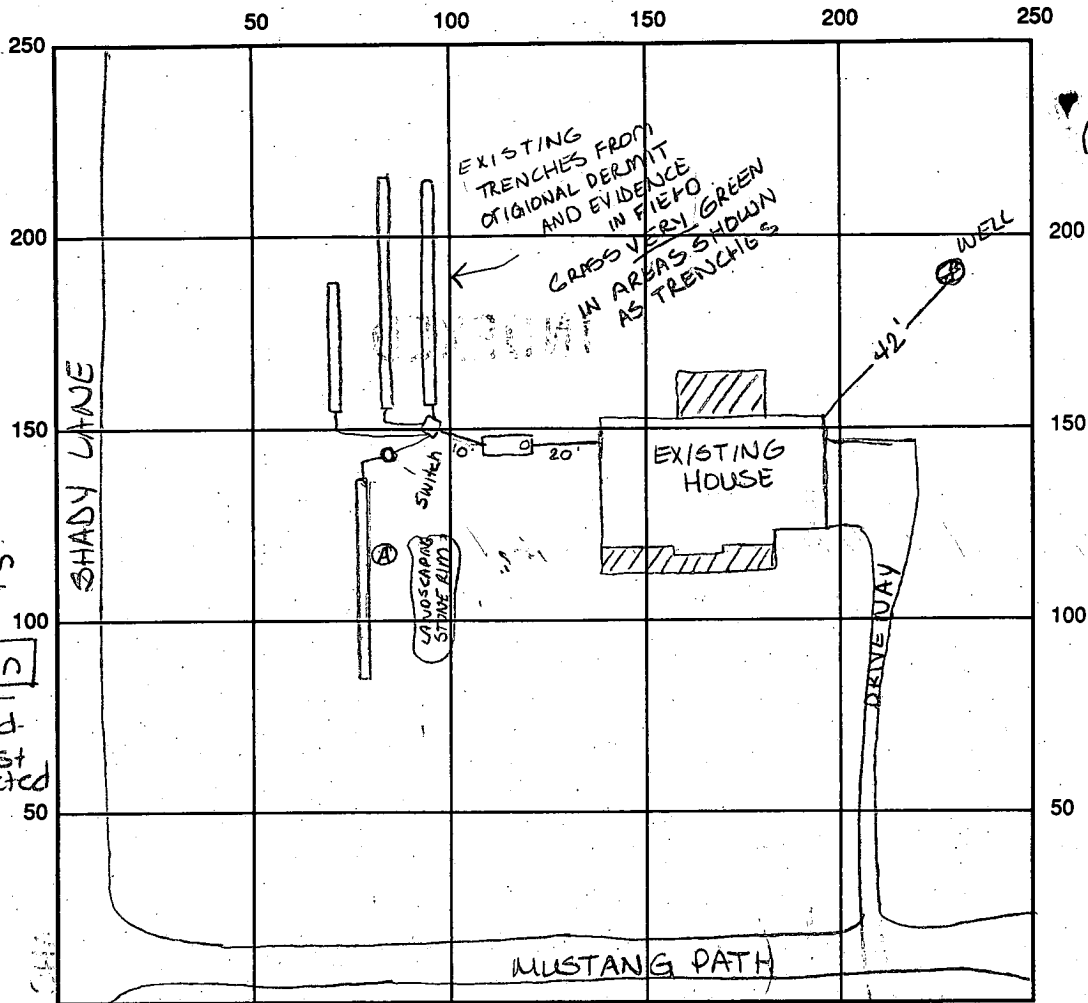
PERMIT VOID AFTER TWO YEARS

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 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**

P 50958



A

6'	plow layer
	dark brn/blck Clay very hard
2'	orange brn cilm
4'	lgt tan/yellow Silm some clay
8'	lgt tan Silm very fine

Tested at 4 1/2' & 6 1/2' - dd not perk > 30 min

8' - 10:53 11:05

11:21 16 min

2' 10:56 ← sand mound - test not completed

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
MUSTANG PATH

SEPTIC TANK LEVEL \_\_\_\_\_ CLEANOUTS \_\_\_\_\_

DISTRIBUTION BOX LEVEL \_\_\_\_\_

DRAIN FIELD/TITLE DEPTH 9.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 7.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 100 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 300 SQ. FT.

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 4/6/95 No solution found, appears to be drainage from road which is causing failure. Aug 3/5/96 Drainage from surrounding properties, church and road is causing excessive drainage to septic location Aug/RB

12/3/96 Spoke to Kenny Hatfield - advised 125 per bdm OK to keep old sys w/ alternative switch. Would like to run another test to see if shallower perc is possible to put in greater depth of stone than 2.0' ALM

12/20/96 OK to put only 100' of trench. space extremely limited for repair OK to cover final - switch pot in ALM

DATE SYSTEM APPROVED 12/20/96 INSPECTOR A McMeel

3/16/87 PM  
3/17/87 RN  
2 PM

File property under 2

P. 38927  
A 19174

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 4th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

DATE 3/13/87

DATE SYSTEM APPROVED 3/24/87

INSPECTOR S. ABEL

\* Time Expired for C.O.P. Compliance

T & R Plumbing & Heating, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 11974 Scaggsville Road, Fulton, Maryland 20759 PHONE 725-2392

SUBDIVISION Glenwood Estates 21738 ROAD 14580 Mustang Path LOT 1 Section 1

PROPERTY OWNER Dave Colburn Vick Lawrence

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES \_\_\_\_\_ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 240 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place distribution box 100 feet from the centerline of Shady Lane and 160 feet from the centerline of Mustang Path. Run trenches along contour roughly parallel to Shady Lane on this property only, trenches may be as much as 120 feet in length.

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

PLANS APPROVED BY C. Williams/S. Abel DATE 11/26/86

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: 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 TRENCH(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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.

BUDG. PERMIT SIGNED  
AND RETURNED 11/18/86  
Serial # 22545 Abel

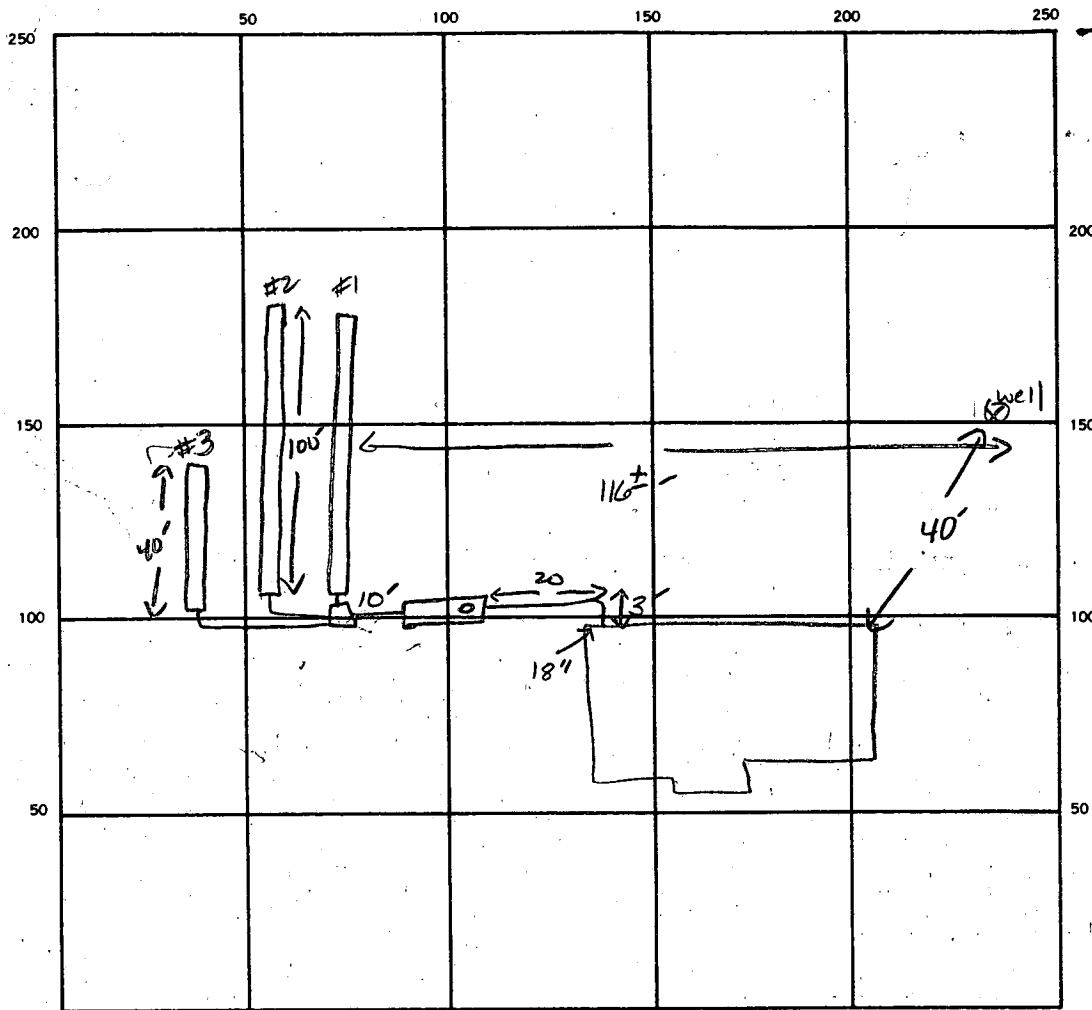
\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A-1288927

2740 LF-T  
 S. Hill St



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

MUSTANG PARK

SEPTIC TANK LEVEL 1500 GAL CLEANOUTS

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TILE FIELD DEPTH 9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 960 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 960 SQ. FT.

REMARKS 3-16-87 OK TO ADD STONE TO ALL TRENCHES. JAG

DATE SYSTEM APPROVED

3-24-87

INSPECTOR

S. Abel

# APPLICATION

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY *in shallow system - between 5 & 10'*

ELLICOTT CITY

DISTRICT 4th

DATE 10/30/77

A 19174  
P \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER Justice Tract, Joint Venture

ADDRESS 1131 University Blvd. W. #215, Silver Spring, Md. 20902 PHONE 301-649-1500

PROPERTY LOCATION:

SUBDIVISION Glenwood Estates LOT NO. 1 *Sec I*

ROAD AND DESCRIPTION S.E. Quadrant of intersection of Shady Lane & Burntwoods Rd

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

SIZE OF LOT 1.0 acre *4v.000 s.f* TYPE BLDG. 3-4 bedrooms  
NUMBER OF BEDS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

SIGNATURE OF APPLICANT Justice Tract, Joint Venture By Martin Royal Partner

APPROVED BY R. Monfichet (p.m.) FOR Trenches DATE JUN 17 77  
(KIND OF SYSTEM)

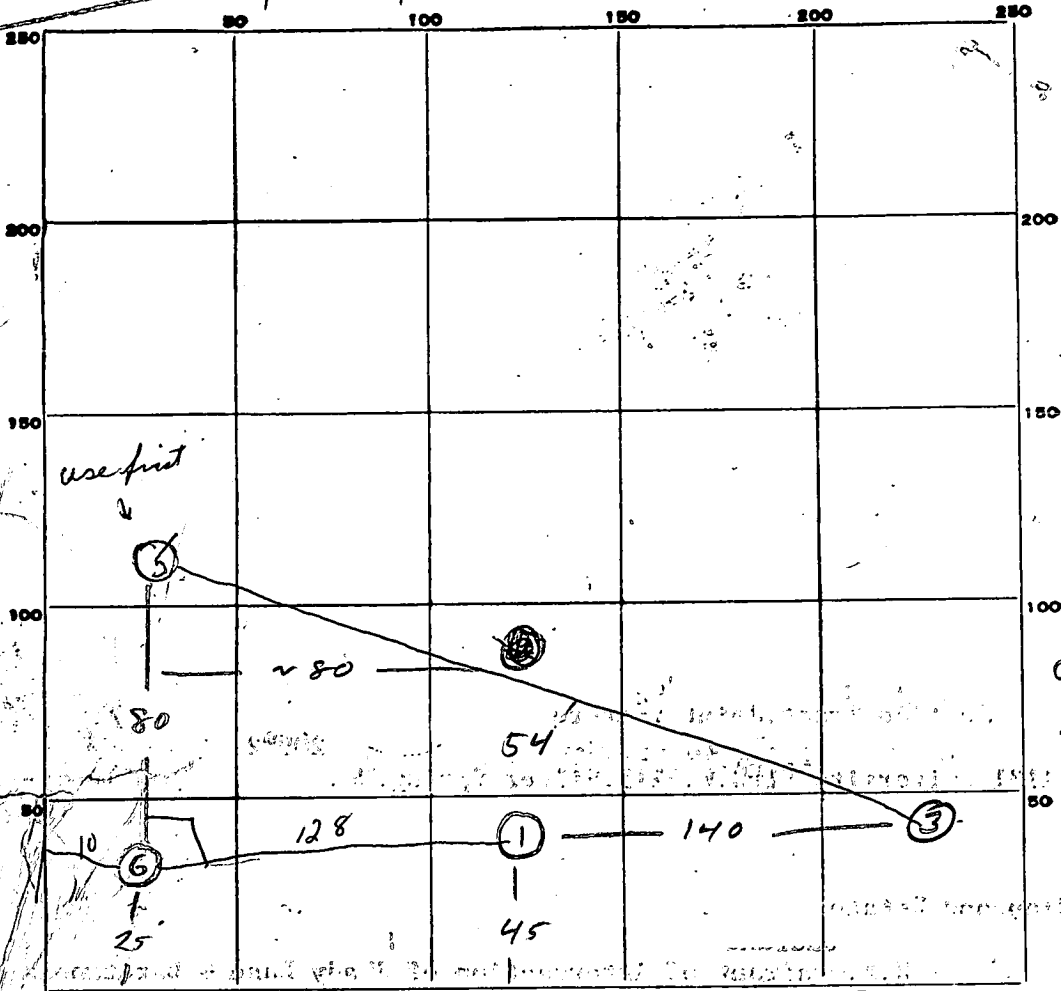
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING System to be installed first  
*H.M.*

# THIS IS NOT A PERMIT

OR if 1/2 of lot 2 combined with lot 1



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Shady Lane

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/30	6	4'	2 <sup>51</sup>	2 <sup>57</sup>	2 <sup>57</sup>	3 <sup>12</sup>	15
	6A	12 1/2'	2 <sup>57</sup>	2 <sup>58</sup>	2 <sup>58</sup>	3 <sup>14</sup>	16

SOIL AUGER FINDING

TESTED BY

REMARKS

system to be installed first

# APPLICATION

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 4th

DATE 10/30/73

A 19174

P \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER Justice Tract, Joint Venture  
20902  
ADDRESS 1131 University Blvd. W. #215, Silver Spring, Md. PHONE 301-649-1500

PROPERTY LOCATION:

SUBDIVISION Glenwood Estates LOT NO. 001 Sec I  
ROAD AND DESCRIPTION S.E. Quadrant of intersection of Shady Lane & Burntwoods Rd.

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

SIZE OF LOT ~~1.0 acre~~ 42,000 s.f. TYPE BLDG. 3-4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

SIGNATURE OF APPLICANT Justice Tract, Joint Venture: By *Walter D. Royal* Partner

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ (KIND OF SYSTEM) DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ (KIND OF SYSTEM) DATE \_\_\_\_\_

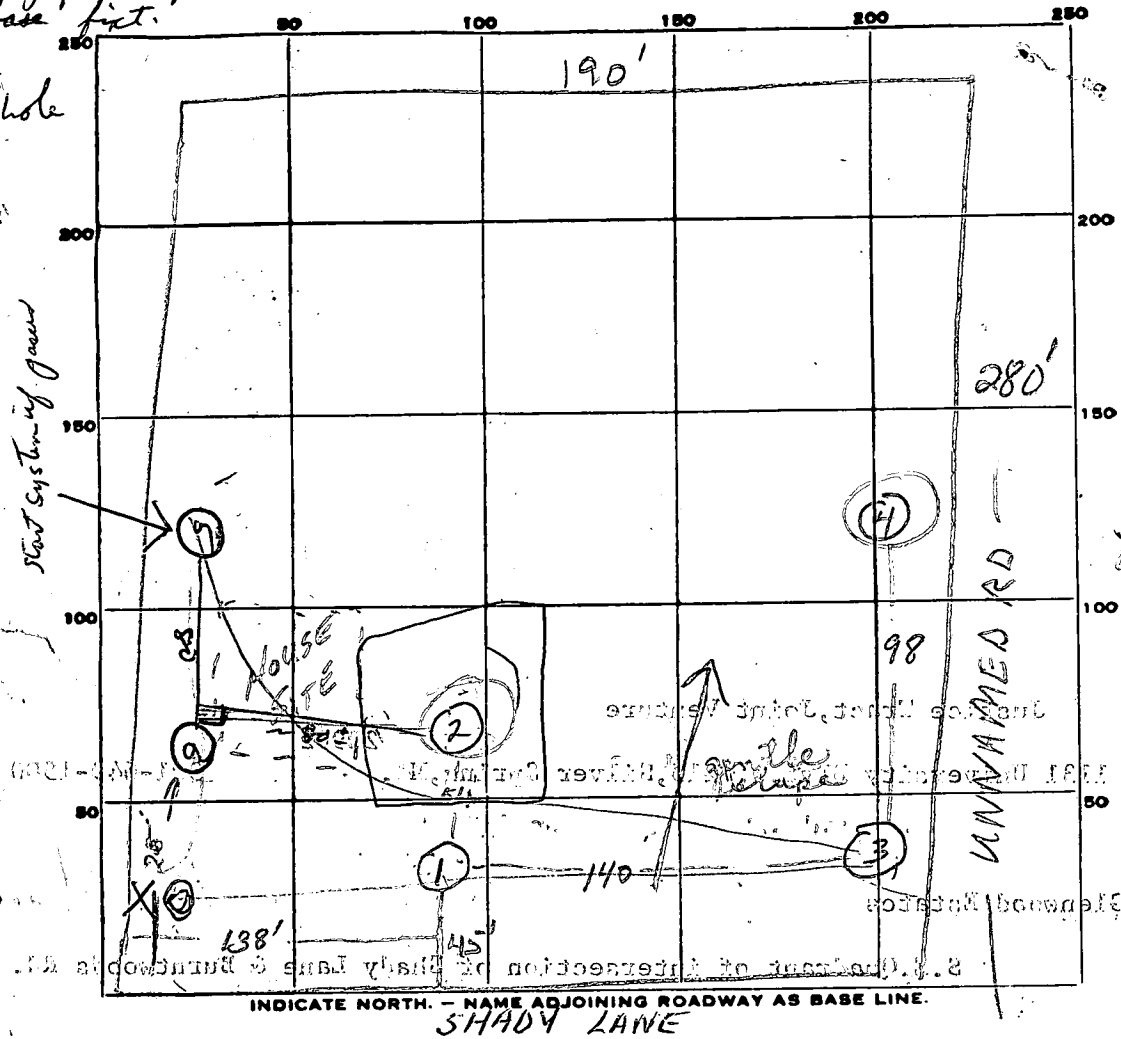
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

check house location  
 gravity flow for trench + 1/2 lot 2  
 no base frict.

one more hole



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.  
 SHADY LANE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/31/74	1	5	10:19	10:30	10:30	10:49	19	
	1-A	12 1/2	10:20	10:25	10:25	10:33	8	
	2	5	10:30	10:43	10:43	11:04	21	
	2-A	12 1/2	10:30	10:55	10:55	11:38	43	
	3	12	Visual; sim to 1, 1-A; dry					
	4	5	10:52	11:25	11:25	12:05	40	
	4-A	12 1/2	Water @ 12'					
8/30	5	5	2:39	2:42	2:42	2:50	8	
	5A	9	2:39	2:41	2:41	2:42	6	
	5B	13	2:40	2:52	2:52	3:06	14	

SOIL AUGER FINDING Loam-type

TESTED BY WWR

REMARKS Hold for review & for retesting

2nd CBS

2491

SEQUENCE NO. (OEP 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 19174

DATE RECEIVED

DATE WELL COMPLETED 1/1/58

DEPTH OF WELL 252 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-1229

OWNER COLBURN, DAVID last name MUSTANG PATH first name TOWN GLENWOOD SUBDIVISION GLENWOOD ESTATES SECTION LOT 1

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows: Brown Shale (0-15), Sand (15-42), Gray Mica Rock (42-252)

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 28 NO. OF POUNDS 2632 GALLONS OF WATER 168 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 46 ft.

CASING RECORD casing types insert appropriate code below (ST) CO STEEL CONCRETE (PL) OT PLASTIC OTHER MAIN CASING TYPE (ST) Nominal diameter (nearest inch) 60 Total depth (nearest foot) 46

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below (ST) BR HO STEEL BRASS OPEN HOLE (PL) OT PLASTIC OTHER

DEPTH (nearest ft.) 45 252

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED ELECTRIC LOG OBTAINED 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)

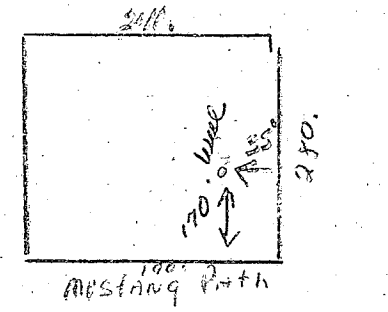
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

PUMPING TEST C 3 HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 10 METHOD USED TO MEASURE PUMPING RATE bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 27 WHEN PUMPING 150 TYPE OF PUMP USED (for test) (S) submersible

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 LAND SURFACE (nearest foot) (-) below

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)



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

4 Bed - Ne  
WELL & SEPTIC

New Installation X Replacement \_\_\_\_\_  
Receipt # 38928  
Date 3-12-87  
Name of Installer TIMOTHY J. ROLLMAN Telephone 725-2392  
License number 7079  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber X  
Name of Property Owner DAVE COLBURN Telephone \_\_\_\_\_  
Subdivision GIENWOOD ESTATES Lot # 1 Well tag # \_\_\_\_\_  
Site Address 14580 MUSTANG PATH  
GIENWOOD, MD. 20707

Pump  
1. Type  
a. Deep well jet \_\_\_\_\_  
b. Shallow well jet \_\_\_\_\_  
c. Submersible X  
2. Make JACUZZI  
3. Model # \_\_\_\_\_  
4. Capacity 10 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 \_\_\_\_\_  
2. RPM \_\_\_\_\_  
3. Voltage \_\_\_\_\_  
a. 110 \_\_\_\_\_  
b. 220 X

Pitless Adapter  
1. Make HARVARD  
2. Model # \_\_\_\_\_  
3. Depth 4'

Tank  
1. Capacity 42 gal EQUIP  
2. Pressure relief valve? yes

Piping  
1. Type CRESTLON  
2. Size 1"  
3. NSF and/or BOCA Code approved yes  
4. Depth of supply line 4'

Well data  
1. Depth \_\_\_\_\_ ft.  
2. Yield \_\_\_\_\_ GPM  
3. Static water level \_\_\_\_\_ ft.  
4. Will water supply be disinfected by installer? yes

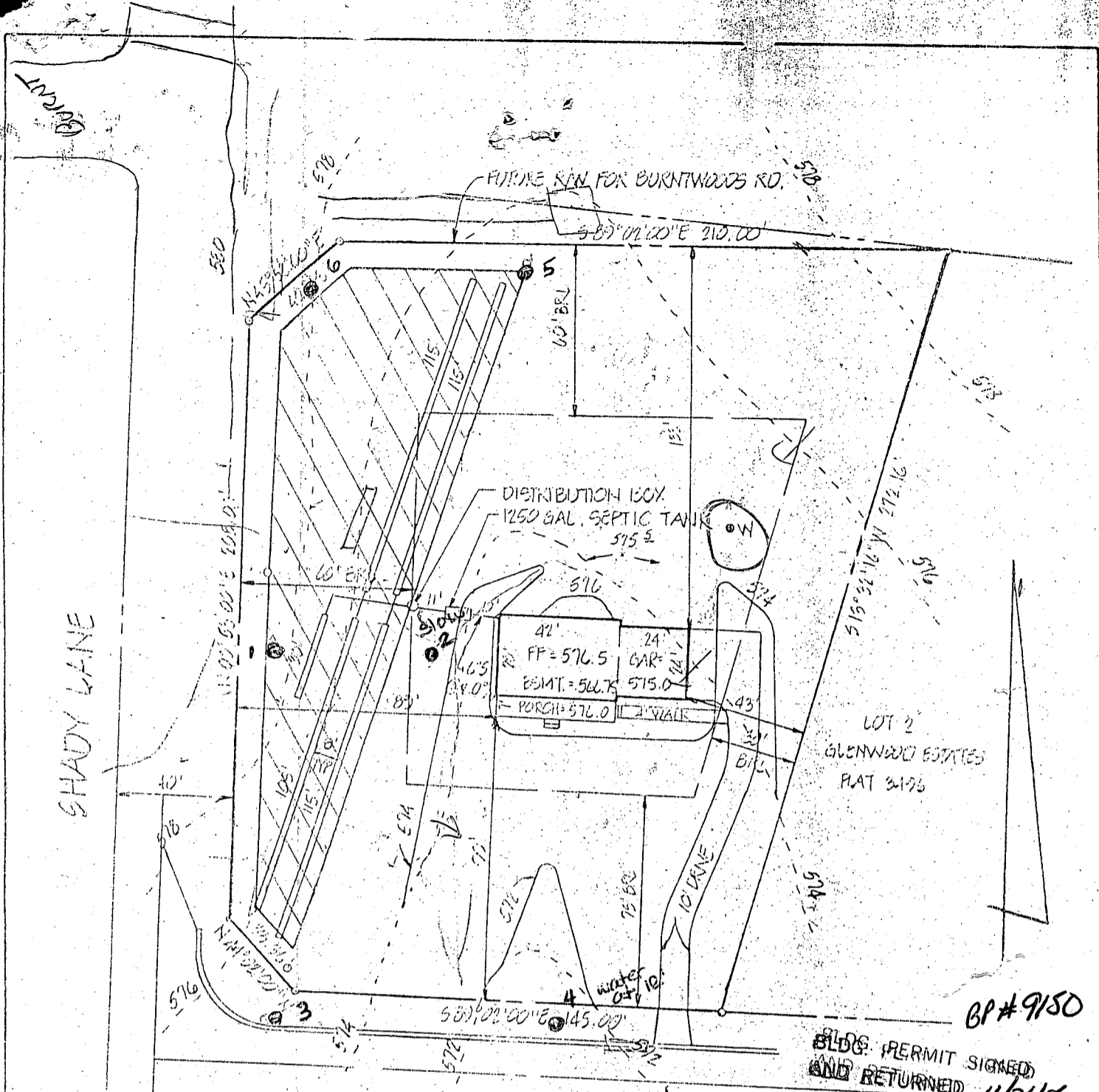
3-24-87 all work covered JS

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: 3-12-87

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



BP # 9150

BLDG. PERMIT SIGNED  
AND RETURNED 11/24/86  
S. Abel

elevations ok  
11/26/86  
S. Abel

5'-9" 240  
MUSTANG PATH  
50' R/W

HOUSE:	DISTRIBUTION BOX
EXIST. ELEV. = 566.75 ✓	INV IN = 570.00 ✓
FF ELEV. = 576.50 ✓	EX. GR. = 575.00 ✓
INV OUT = 570.67 ✓	FIN. GR. = 575.00 ✓
SEPTIC TANK	WELL
INV IN = 570.47 ✓	EX. GR. = 575.0 ✓
INV OUT = 570.22 ✓	FIN. GR. = 575.0 ✓
EX. GR. = 574.0 ✓	
FIN. GR. = 574.0 ✓	

NOTES:

- TAX MAP: 21, PARCEL: 05, BLK: 5
- TOPOGRAPHY SHOWN HEREON IS BASED ON A PLAN PREPARED BY H. MALMUD AND ASSOCIATES, INC.
- CONTRACTOR TO SET GRAVES IN FIELD.
- SEWER NOT PROVIDED TO BASEMENT LEVEL
- TRENCHES ARE 2' WIDE AND 9" DEEP

11/26/86  
Trenches shown  
sufficient for 600  
house.  
SAB

PLAT REFERENCE: "GLENWOOD ESTATES - SECTION ONE" - PLAT 3496

TITLE: GRADING STUDY				
PROJECT: GLENWOOD ESTATES - SECT. 1 - LOT 1				
LOCATION: 4TH ELECTION DISTRICT HOWARD CO., MD.				
SCALE: 1" = 50'	DESIGNED BY: JN	DRAWN BY: DP	CHECKED BY: JN	DATE: NOV., 1986
FIELD BOOK:	PAGE NO.:	JOB NO.: 80438	DRAWING NO.: 1 OF 1	

**boender associates**  
inc.  
consulting engineers  
land surveyors  
land planners

COURTHOUSE SQUARE  
3565 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD. 21043  
13011 465-7777

53602 sq ft

LAND DEDICATED TO HOWARD COUNTY FOR PURPOSES OF PUBLIC ROAD WIDENING \*

BURNTWOODS ROAD

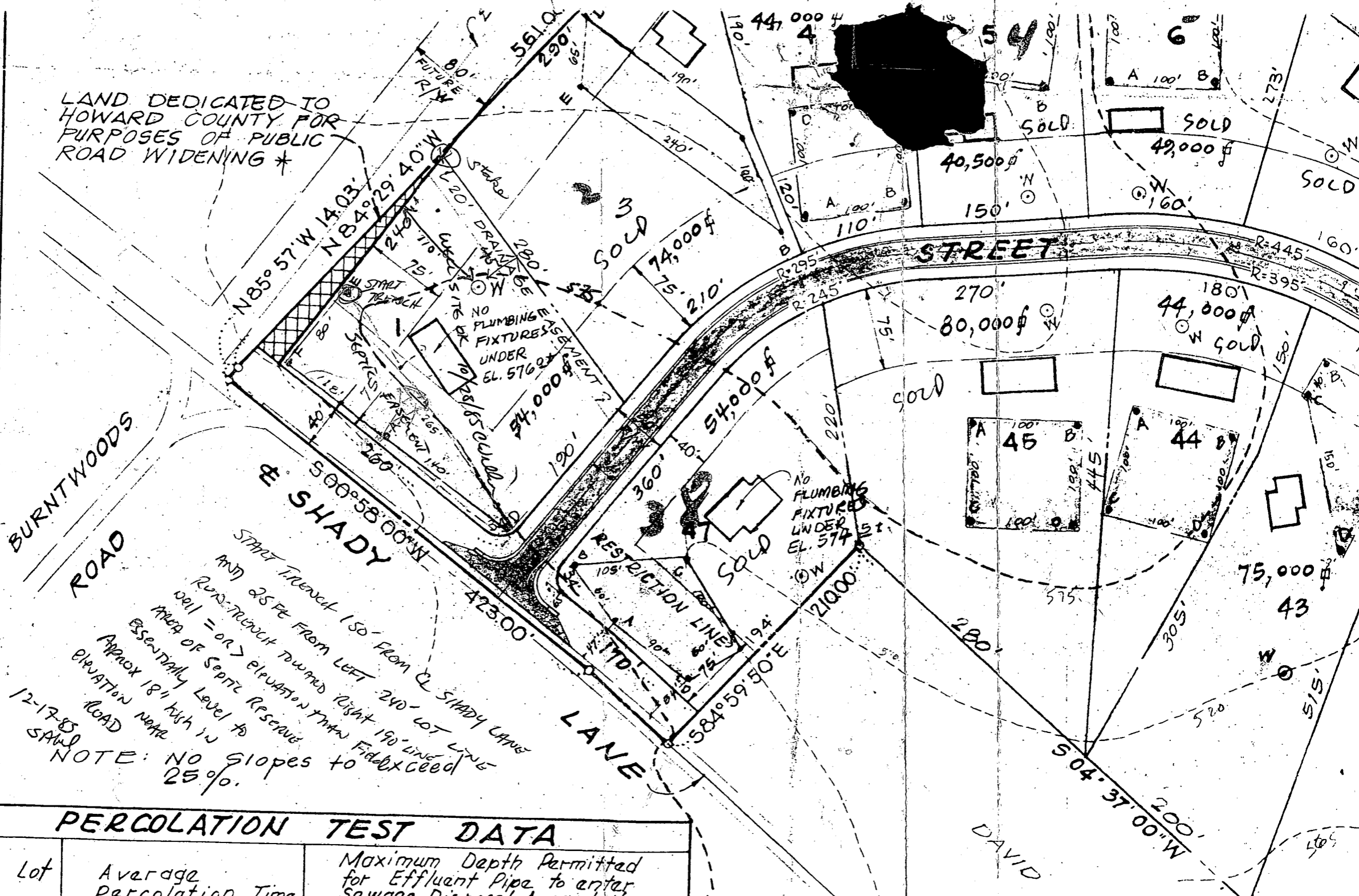
E SHADY LANE


STREET

START TRENCH 150' FROM CL SHADY LANE AND 25 FT FROM LEFT 240' LOT LINE AND TRENCH TOWARD RIGHT 190' LINE AREA OF SEPTIC RESERVE ESSENTIALLY LEVEL TO APPROX 18" HIGH IN ROAD ELEVATION NOTE 12-17-85 S.W.D. NOTE: NO SLOPES TO EXCEED 25%.

PERCOLATION TEST DATA

Lot	Average percolation Time	Maximum Depth Permitted for Effluent Pipe to enter Sewage Disposal Area at

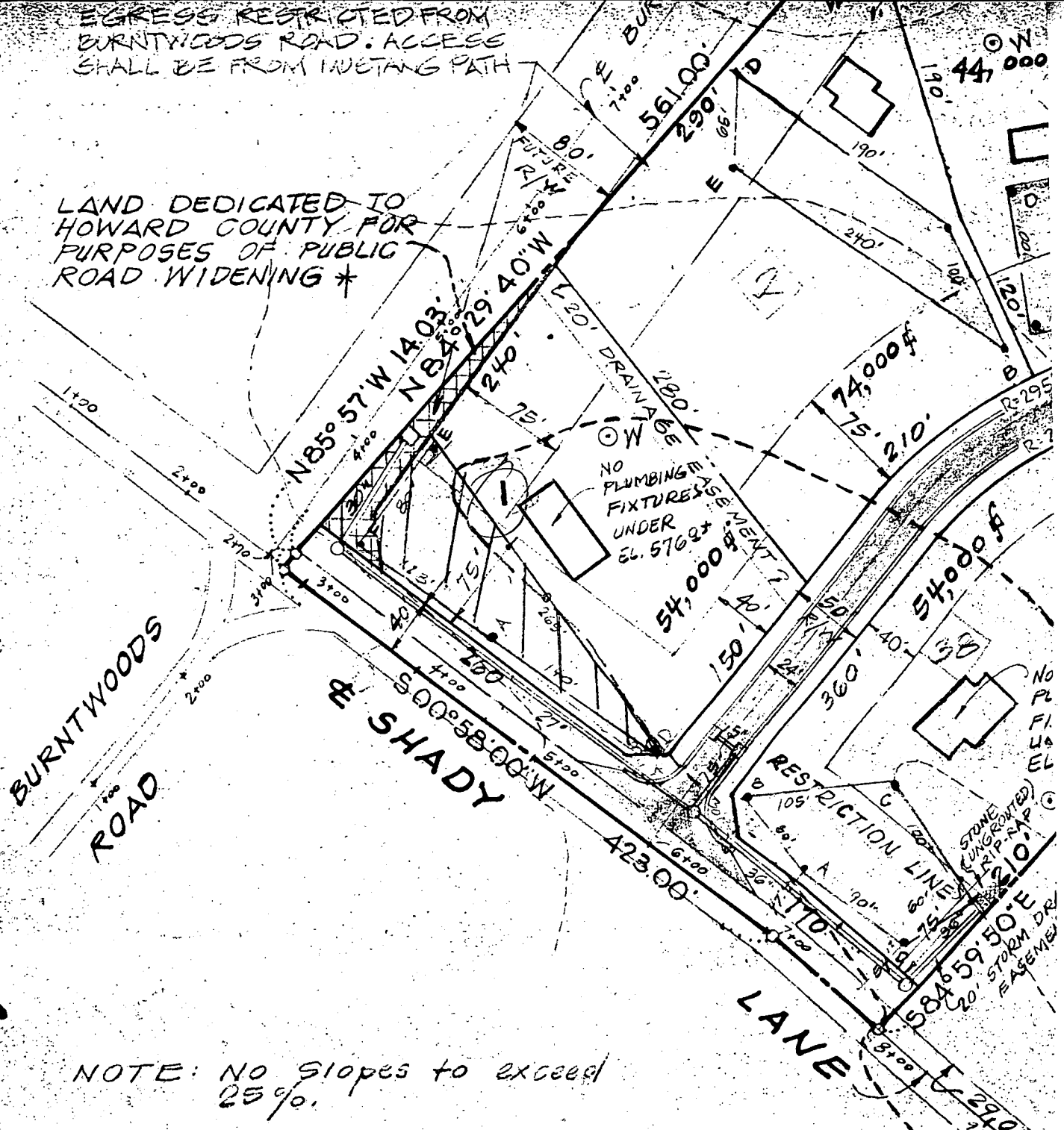




DAVID COLBURN  
10108 HIGHRIDGE RD  
LAUREL, MD 20707  
301-725-8931

EGRESS RESTRICTED FROM BURNWOODS ROAD. ACCESS SHALL BE FROM INLETANG PATH

LAND DEDICATED TO HOWARD COUNTY FOR PURPOSES OF PUBLIC ROAD WIDENING \*



NOTE: No slopes to exceed 25%.

**PERCOLATION TEST DATA**

Lot No	KEYLINE	Average Percolation Time in Minutes Per Second Inch	Maximum Depth Permitted for Effluent Pipe to enter Sewage Disposal Area at its Highest Elevation with Reference to the Existing Grade at Time of Percolation Test.
1	1	19	IN 5' MAX DEPTH 9'
2	2		
3	2	16	" 5' " 9'
4	3	10	" 5' " 9'
5	4	9	" 5' " 8'
6	5	12	" 5' " 9'
7	6	11	" 5' " 9'
8	7	18	" 5' " 9'

NOTES FROM MEETING WITH OWNERS ON AUGUST 5, 1996  
BETWEEN 3:30 p.m. AND 5:00 p.m.

- Failing septic system is most likely a result of the following combination of factors:
  1. ground water
  2. road runoff
- Discussion about innovative and alternative systems in the event there is "no fix" to the current situation. The following systems were discussed:
  1. sand mound
  2. alternating trench system
  3. sand filters
  4. drip irrigation
- Per Ron Pinkley: He feels that the flow over the septic tank and trench was a major contributor to the early failure of the septic system.
- Currently the owners have disconnected the trenches and have been using the septic tank as a holding tank. We advised them to re-connect the trenches and wait a couple of months to see if the trenches have rejuvenated themselves now that the road runoff has been diverted elsewhere.
- If the trenches continue to fail they were advised to contact this office for a re-evaluation of the soil. they were advised that there is a possibility that the percable soil depth may change (ie. become shallower) due to the runoff being diverted. Re-evaluation will take place initially in the highest portion of the septic field first, if this fails, then lower portions will be tested.
- Ron Pinkley suggested a 300 foot minimum of trench.
- Mr. and Mrs. Conover presented photographs reportedly taken immediately following a rain storm. There was an area approximately 40 foot wide and 1 inch deep ( it covered the grass) of water running over the septic system.

9/6/96  
Amy M. Miller

CHRONOLOGY OF EVENTS RELATING TO 14580 MUSTANG PATH  
GLENWOOD ESTATES - LOT 1  
A-19174 P-50958

11-06-96

- Fogle's Septic Clean, Inc. applied and paid for a repair permit.
- A repair inspection was conducted by Amy Mc Millen. Results are as follows: Soil did not perc until 8.0 feet below grade, no water table was encountered. Test hole was dug to 14.0 feet.
- Per second hand conservation with Fogle's representative, owners are having severe drainage problems due to from Burntwoods Road. They were currently pursuing the State Highways Commission to remedy the problem.
- Due to the excessive drainage problems and questionable soil conditions, no action was taken to repair the septic at this time.

11-07-96

- A call was received from Mrs. Conover. Apparently Fogle's was not instructed to repair the system, they were to assess the situation without county involvement.
- Mrs. Conover was advised to wait on the septic repair, discontinue the use of their drainfields and begin to pump their septic tank regularly. They were also advised to begin using their trenches after the drainage problem was fixed and contact this office after the system was in use for a couple of months if their septic system continued to fail.

08-05-96

- A site inspection was conducted by Amy Mc Millen and Ron Pinkley at the request of Mr. Conover. At this time, the drainage problem had been fixed through a series of drainage pipes and culverts. The Conovers had not yet started using the drainfields, so at this time, Mr. Conover removed the ~~vice~~ which was preventing sewage from entering the drainfields.
- See attached notes for further information regarding this inspection.

Amy McMillen  
8/27/96

WRITTEN  
ASSESSMENT  
REQUESTED  
BY SEPTIC CONTRACTOR,  
BECAUSE OF CONCERNS  
EXPRESSED BY PROPERTY OWNER.



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## HOWARD COUNTY HEALTH DEPARTMENT

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

March 11, 1996

Mr. and Mrs. Conover  
14580 Mustang Path  
Glenwood, MD 21738

RE: Glenwood Estate, Lot 1 Sec.1  
14580 Mustang Path  
Repair Permit #P50958

Dear Mr. and Mrs. Conover:

Enclosed is a copy of your septic repair permit for the above referenced property. The original was given to the listed contractor. Please contact this office for inspection at time of installation.

While the original installation did not experience catastrophic failure, its useful life was somewhat shorter than typical. Excessive drainage over the septic area appears to have contributed to the shortened life of this system.

To maximize the life expectancy of the replacement system, surface drainage patterns should be directed away from the septic area by whatever means practical.

If you wish to discuss this matter further, please contact this office by calling 313-2640.

Very truly yours,

Craig Williams, Program Director  
Water and Sewage Program

CW:vr

cc: Fogle's Septic Clean, Inc.  
Pete Beck

N-45° 58' 00" E  
42.43'

Future R/W Line For  
Burntwoods Road

S-89° 02' 00" E - 210.00'

LOT 1  
53,602 sq ft

SHADY LANE

N-00° 58' 00" E - 208.00'

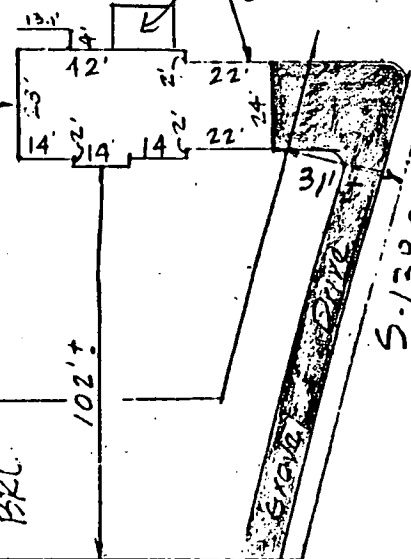
75' BRL

Concrete Block  
Foundation

12' x 21' deck  
wall cap

30' BRL

97'±



S-130° 22' 16" W 272.116'

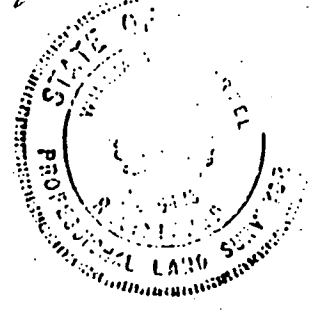
N-44° 02' 00" W  
33.36'

N-89° 02' 00" W - 145.00'

11/18/88

O.K. TO SIGN

RH



MUSTANG PATH  
(5' R/W)

Plat Reference - Section One, Glenwood  
Estates, recorded in Platbook 3496

TITLE <b>LOCATION SURVEY</b>				
PROJECT LOT 1 - GLENWOOD ESTATES - SEC. 1				
LOCATION 4TH ELECTION DISTRICT, HOWARD CO., MD				
FIELD BOOK —	PAGE NO. —	DRAWN BY: BH	CHECKED BY —	DATE: 1-16-87
SCALE: 1" = 50'		JOB NO.: 86433		

THIS IS TO CERTIFY THAT WE HAVE CONDUCTED A LOCATION SURVEY OF THE IMPROVEMENTS AND THAT THEY ARE LOCATED AS SHOWN HEREON

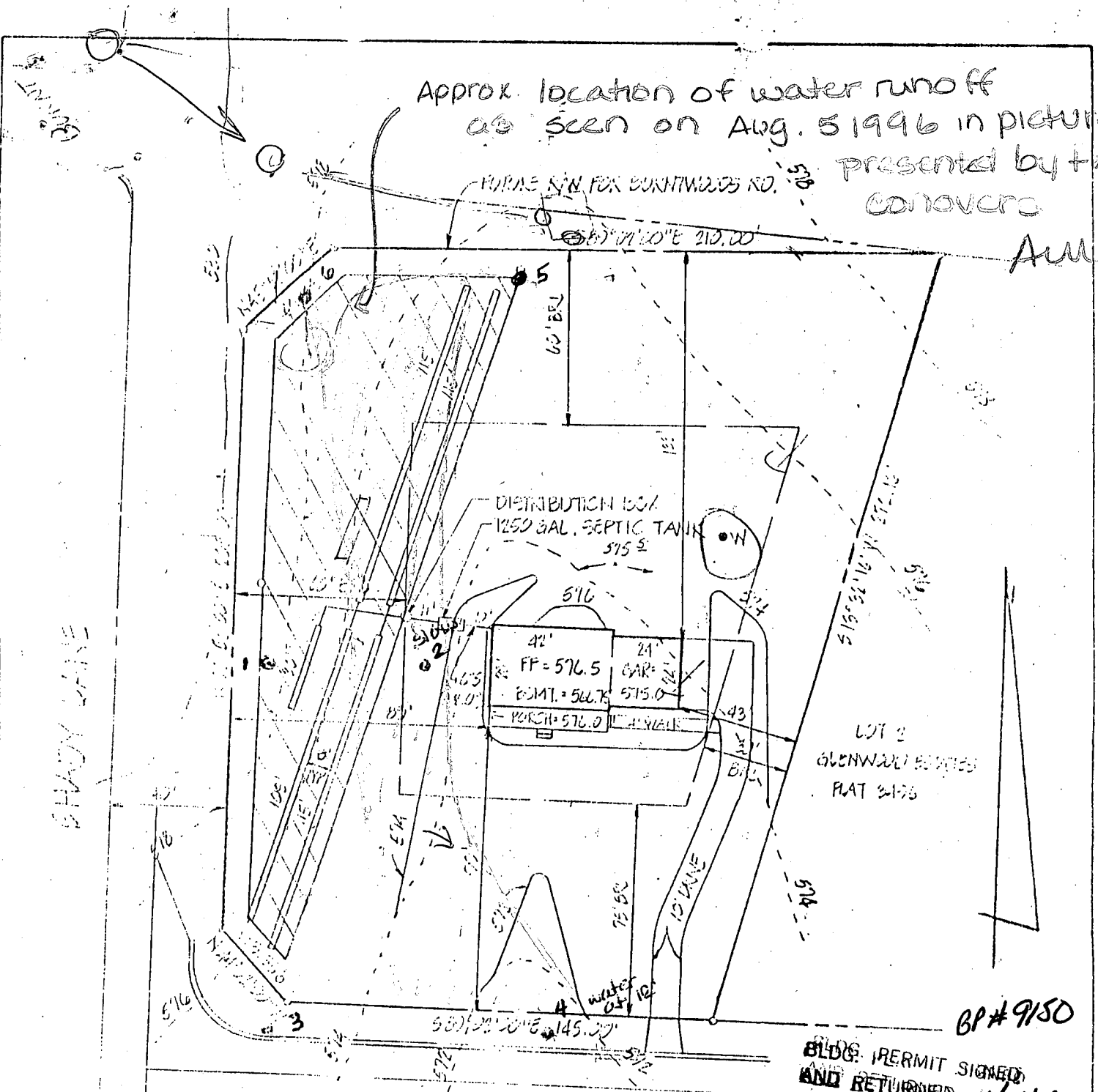
*William S. Hertel*  
SIGNATURE

REG. NO. 9436 DATE 1-16-87

**boender associates**  
inc.  
consulting engineers  
land surveyors  
land planners  
COURT HOUSE SQUARE • ELLICOTT CITY, MD. 21043  
(301) 465-7777

THE INFORMATION ON THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS INDICATED HEREON ARE CONTAINED WITHIN THE CONFINES OF THE LOT UPON WHICH THEY ARE ERECTED. THIS PLAT IS NOT TO BE CONSTRUED AS, OR USED FOR THE ESTABLISHMENT OF PROPERTY LINES.

Approx. location of water runoff  
as seen on Aug. 5 1996 in pictures  
presented by the  
contractor



SHADY LAKE

BP# 9150

BLDG. PERMIT SIGNED  
AND RETURNED 11/24/88  
S. Abel

elevations ok  
11/26/88  
S. Abel

5'-9"  
240

MUSTANG PATH  
50' W/W

HOUSE :	DISTRIBUTION BOX
EX. GR. ELEV = 566.75 ✓	INV. IN = 570.00 ✓
FF ELEV = 576.50 ✓	EX. GR. = 575.00 ✓
INV. OUT = 570.67 ✓	FIN. GR. = 575.00 ✓
SEPTIC TANK	WELL
INV. IN = 570.47 ✓	EX. GR. = 575.0 ✓
INV. OUT = 570.72 ✓	FIN. GR. = 575.0 ✓
EX. GR. = 571.0 ✓	
FIN. GR. = 571.0 ✓	

NOTES :

1. TAX MAP: 21, PARCEL: 55, BLDG: E
2. TOPOGRAPHY SHOWN HEREIN IS BASED ON A PLAN PREPARED BY H. KALMUD AND ASSOCIATES, INC
3. CONTRACTOR TO SET GRAVES IN FIELD.
4. SEWER NOT PROVIDED TO BASEMENT LEVEL
5. TRENCHES ARE 2' WIDE AND 9" DEEP

11/26/88  
Trenches shown  
sufficient for 600  
house.  
SAB

PLAT REFERENCE: "GLENWOOD ESTATES - SECTION ONE" - PLAT 3496

TITLE: GRADING STUDY				
PROJECT: GLENWOOD ESTATES - SECT. 1 - LOT 1				
LOCATION: ELECTION DISTRICT HOWARD CO., MD.				
DESIGNED BY: JH	DRAWN BY: UP	CHECKED BY: JH	DATE: NOV., 1988	
FIELD BOOK:	PAGE NO.:	JOB NO.: 80128	DRAWING NO.: 1 OF 1	

**boender associates**  
inc.  
consulting engineers  
land surveyors  
land planners

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PHONE 465-7777