

8/11/88 ASAP
8/16/88 APM

314387

8/16/88 Partial need HOUSE CONNECTION

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 5/10/88

DATE SYSTEM APPROVED 11/4/88

INSPECTOR S Abel

Ensor Homes IS PERMITTED TO INSTALL X ALTER

ADDRESS Columbia, Maryland PHONE 992-4444

SUBDIVISION Ensor Property ROAD Jennings Chapel Rd LOT 4430

PROPERTY OWNER Douglas N. Ensor

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 1000 GALLONS NUMBER OF BEDROOMS 3

DRYWELLS - ¹⁵⁰ 170 sq. ft. per bedroom. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade.

LOCATION - Install septic tank 55 feet down the left lot line from the rear left corner and 115 feet of the same line as seen when facing the lot from Jennings Chapel Road. Install 2 drywells 15' x 15' with 7' center rings. Center the first drywell 45 feet up the left lot line from the front left lot corner and 120 feet off the same lot line as seen when facing the lot from Jennings Chapel Road. Place 2nd drywell 45 feet to the right of drywell #1 and drywell #3 - 45 feet to the right of drywell #2 as seen when facing the property from Jennings Chapel Road.

NOTE - Provide 6" - 8" diameter cleanouts and cap to grade or above on septic tank and plans approved by drywells. Sid Abel DATE 1/05/88

COVER NO WORK UNTIL INSPECTED AND APPROVED. RINGS Required to be 4.5' TALL SAW
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

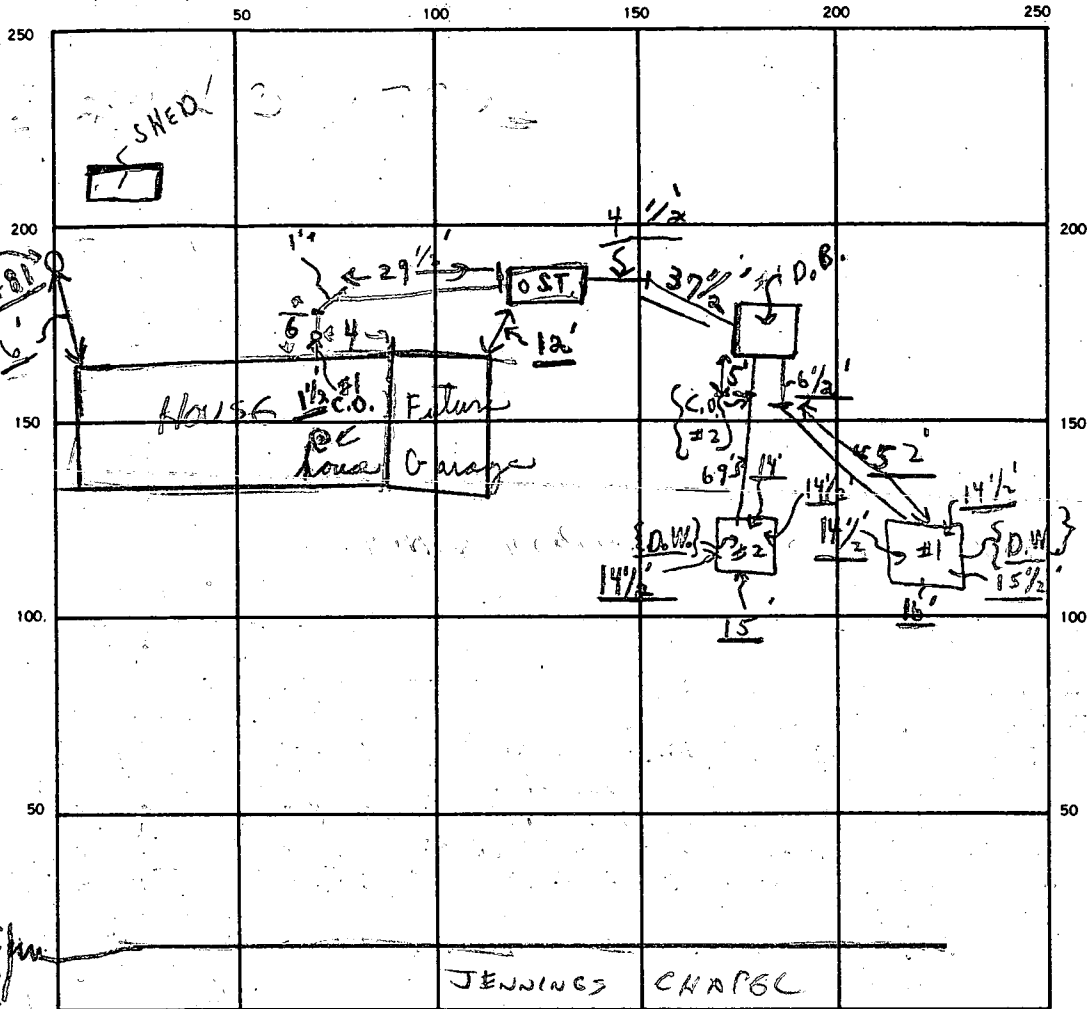
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS.
- NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E., TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL. (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)
- NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR 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 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.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 39988



8/16/88
WELL #2481

1 D.W.
29 #1
3 1/2
60 1/2

29 #2
29
58

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

S.T. | ^{#1 #2} C.O. | C.O. | D.W. #1 | D.W. #2

SEPTIC TANK LEVEL OK CLEANOUTS OK | OK | OK | ok | ok

DISTRIBUTION BOX LEVEL OK with balls.

DRAIN FIELD/TILE FIELD. DEPTH — FT. TRENCH WIDTH 11 FT. INLET DEPTH 4.5 FT. below O.G. ^{#1 D.W.}

EFFECTIVE GRAVEL DEPTH — FT. TOTAL LENGTH — FT. ^{#2 D.W.}

NUMBER OF TRENCHES — ONE SIDEWALL/BOTTOM AREA — ⁴ SQ. FT. 119

DRYWELL INSIDE DIAMETER 60 1/2 ⁺ FT. EFFECTIVE DEPTH BELOW INLET 4 FT. 185

ABSORBENT AREA 1011 ⁺ SQ. FT. 595
952

REMARKS #1 8/16 Partial metal house connection of 1'-3" to be decided yet
OK to cover all from #1 C.O. to end the drywells

DATE SYSTEM APPROVED 11/4/88 INSPECTOR Sab

APPLICATION

PERCOLATION TESTING

A 39988

P _____

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

DISTRICT _____

DATE Aug. 8, 1987

8/31/87

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 JOSUA D. ENSOR

ADDRESS 4450 JENNINGS CHAPEL RD. PHONE 854-6364

PROSPECTIVE BUYER DOUGLAS N. ENSOR (SON)

ADDRESS SAME PHONE 740-1111
w/ 992-4444 Lv. Miss.

PROPERTY LOCATION:

SUBDIVISION N/A LOT NO. _____

ROAD AND DESCRIPTION JENNINGS CHAPEL RD. + HOWARD CHAPEL RD.

TAX MAP 21 PARCEL # 13418

SIZE OF LOT 1.0 ACRE TYPE BLDG. SINGLE FAM. DWELL
(SINGLE FAMILY DWELLING OR COMMERCIAL) IND

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] 8-8-87
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9-21-87 Pending perc hole location, well & house site availability & 10,000 sq ft. area. JEN

THIS IS NOT A PERMIT

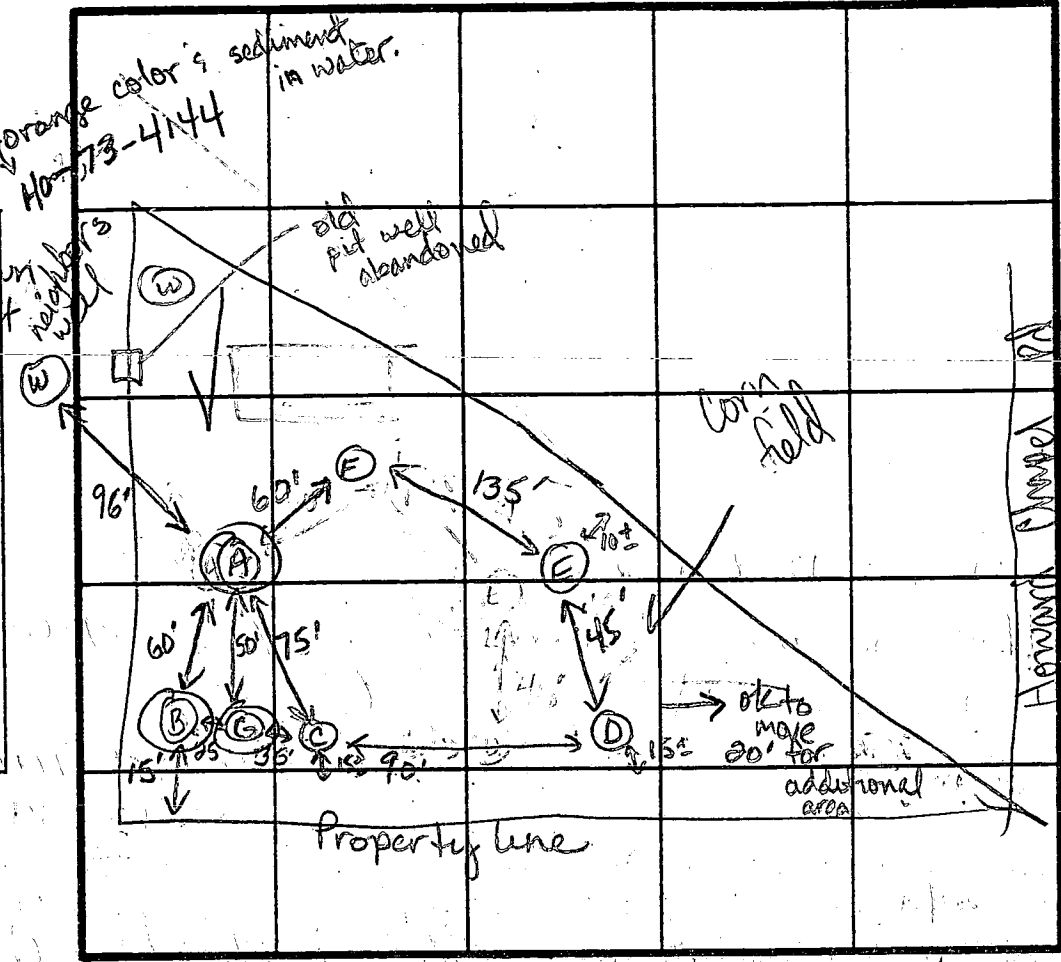
9-21-87
Prelim
1:30 PM

Highest E
D
A
C
C
B
B
Lowest

SOIL PROFILE
0-5.5 Red-brown cl sa silt
5.5-12.5 Brown sa silt
12.5 Bottom

(B)
0-6.0 Brown clayey sandy silt
6.0-7.5 Brown sa silt
7.5-10.5 Brown sandy silt
10.5-12 Gray silt
12.0 Bottom

(C)
0-3.0 Brown sandy silt
3.0-12 Tan sand
12.0 Bottom



(D)
0-3.0 Brown sandy cl silt
3.0-11.5 Tan sandy silt, trace of broken rock < 20%
11.5 Bottom

(G)
0-6.0 Red brown si cl fill of gray cl
6.0-11.0 Brown sandy cl silt
11.0 Bottom

(E)
0-2.5 Br cl silt
2.5-12.0 Tan sand
trace broken rock (schist) < 20%
12.0 Bottom

(F)
0-2 Brown silty silt
2-12.5 Tan sandy silt
12.5 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Jennings Chapel Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9-21-89	A	3.5 S	2:45	3:00	1/16 inch		Failed	
		5.0 S	3:16	3:31	1/32 inch		Failed	
		7.0 M	2:45	2:51	2:51	2:55	4	
		12.5 D	Bottom (see profile)					
	B	4.0 S	3:01	3:16	1/32 inch		Failed	
		6.0 M	3:23	3:57	1/32 inch		Failed	
		12.0 D	Bottom (see profile)					
	C	12.0 V	(see profile)					
		D	4.5 S	3:39	3:41	3:41	3:45	4 min
	E	12.0 D	Bottom (see profile)					
		3.5 S	3:47	3:51	3:51	3:53	2	
	F	12.5 V	(see profile)					ok
		G	11.0 V	(see profile)				
		12.0 D	Bottom (see profile)					





REMARKS: Very limited house & well site. May not have 10,000 sq ft.
 TYPE OF SOIL: 0-6' Red-br si clay (at low end) 6'-12' Tan sandy silt
 TESTED BY: JE Nadeau ALSO PRESENT: Doug, Barb

EH-12-1079

SEPTIC SYSTEM DATA

INV. @ HOUSE : ~~453.0~~ 453.0

SEPTIC TANK

EX. GR. :  453.0
 FIN. GR. :  454.0
 INV. IN :  452.85
 INV. OUT :  452.75

DISTRIBUTION BOX

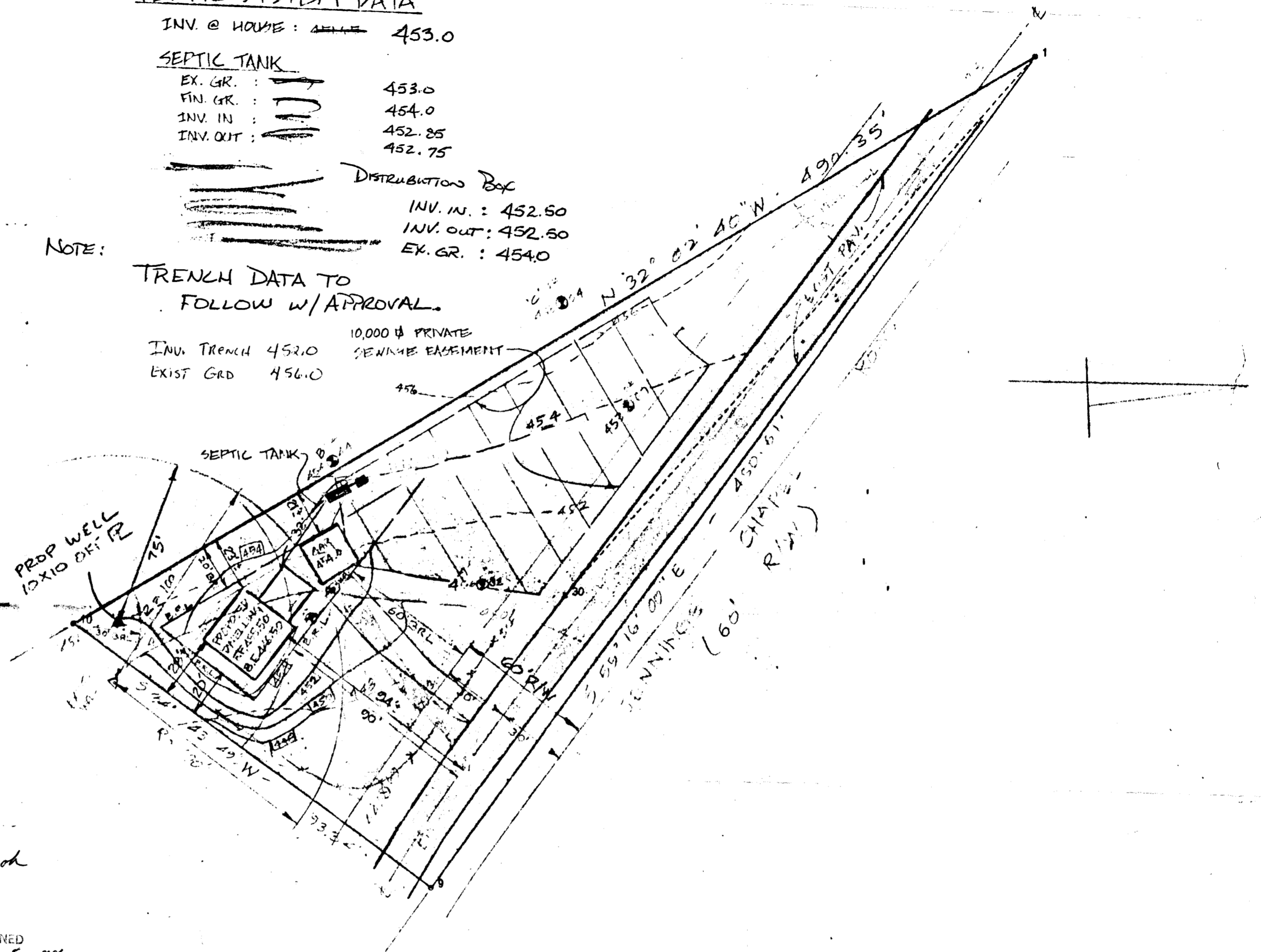
INV. IN. : 452.50
 INV. OUT : 452.50
 EX. GR. : 454.0

NOTE:

TRENCH DATA TO FOLLOW W/ APPROVAL.

INV. TRENCH 452.0
 EXIST GRD 456.0

10,000 \$ PRIVATE SEWER EASEMENT



12/31/87

elevation of
 S. uhl

BLDG. PERMIT SIGNED
 AND RETURNED 1-5-88

S. uhl
 BP 15899

- ▲ - PROTECTED WELL
- ⊗ - UNSUCCESSFUL R.F.E. TEST
- ⊕ - SUCCESSFUL R.F.E. TEST

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 203
 ELLICOTT CITY, MD 21043
 (301) 461-9563

SITE DEVELOPMENT & GRADING PLAN
 ENSOR PROPERTY
 4th ELECTION DISTRICT
 HOWARD COUNTY, MD
 SCALE: 1"=40' DATE: 10-2-87
 REV: 11-2-87
 REV: 12-4-87

C1 2099

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 & ON ALL CARDS)

COUNTY NUMBER A-39988

DATE Received

DATE WELL COMPLETED 01/05/88

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2481

OWNER ENSOR DOUGLAS
STREET OR RFD JENNINGS CHAPEL ROAD TOWN GLENWOOD
SUBDIVISION ENSOR PROPERTY MAP 21 SECTION P 13/18 LOT

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. Entries include Brown Slate (0-69) and Blue Rock (69-325).

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)
TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 13 NO. OF POUNDS 1222
GALLONS OF WATER 78
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 40 ft.

CASING RECORD casing types insert appropriate code below
STEEL (ST) CONCRETE (CO) PLASTIC (PL) OTHER (OT)
MAIN CASING TYPE (ST) Nominal diameter 6 Total depth 75

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

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

DEPTH (nearest ft.)
EACH SCREEN 1 HO 72 2 325

CIRCLE APPROPRIATE LETTER
A 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 Joseph P. ...
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH) 56 60

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
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 204
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 46
WHEN PUMPING 244
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)
LAND SURFACE (nearest foot)

