

5/30/89
2 pgs
12 noon

PERMIT

P 44601
A 39334

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 6/26/89

DATE SYSTEM APPROVED 6-30-89

INSPECTOR JEN

Dave Hopkins IS PERMITTED TO INSTALL X ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION Glenwood Springs ROAD 2710 Hobbs Road LOT 48

PROPERTY OWNER Edward J. Cassity
Barnard Brothers Construction

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 3/630 sqft

TRENCHES - 210 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 215 feet from the rear lot line and 175 feet from the left lot line as seen when facing the lot from Right-of-Way. Run trenches on contour toward the left lot line.

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

BLDG. PERMIT SIGNED
AND RETURNED [Signature]
Serial # 53286 - Deck
DATE 4/27/89

PLANS APPROVED BY Sid Abel

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

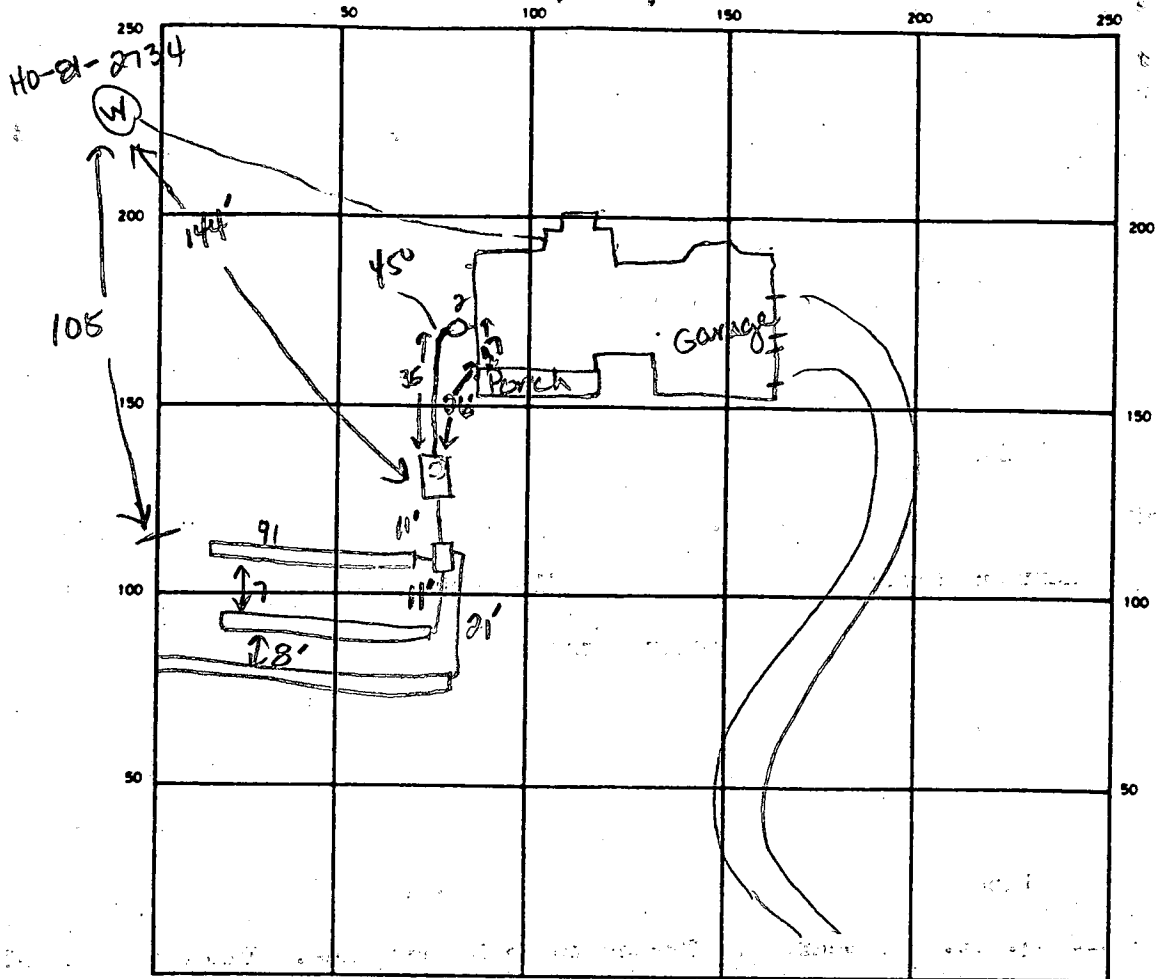
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS
- NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)
- NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION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

BLDG. PERMIT SIGNED
AND RETURNED [Signature]
Serial # 55328
Imprudent prob

A
39334

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Hobbs Rd

SEPTIC TANK LEVEL 1750 gal CLEANOUTS 1 at house, 1 to be placed on tank

DISTRIBUTION BOX LEVEL OK w/ baffle

DRAIN FIELD TILE FIELD DEPTH 6.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 4.0 3.5 3.5 FT.

EFFECTIVE GRAVEL DEPTH 2.0 2.5 2.5 FT. TOTAL LENGTH 91 89 105 FT.

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

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 6-30-89 OK to cover all trenches and all work after cleanout is added to tank - JEN

280
3) 840
6
24
105
89
91
285

DATE SYSTEM APPROVED 6-30-89

INSPECTOR Jane E. Nadeau

APPLICATION

PERCOLATION TESTING

A 39934
P _____

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

DISTRICT _____
DATE 5/15/87

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 BARNARD BROS CONSTRUCTION

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION Glenwood Est. LOT NO. Lot 48
46 page 2

ROAD AND DESCRIPTION 2710 Abbbs Rd. Revised 4/29/87

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 Fidny Abel FOR Standard Permit DATE 4-27-89

REJECTED BY _____ FOR _____ DATE _____

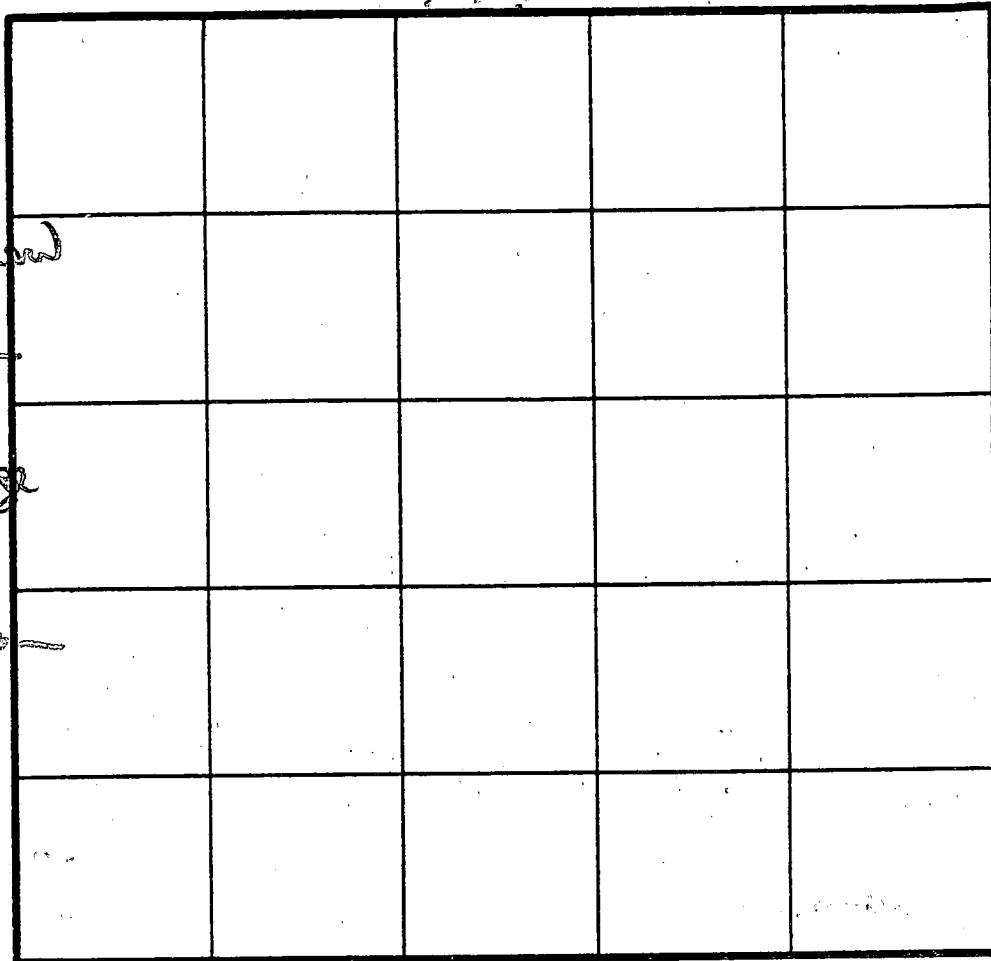
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 4-27-89

BP25239 Sab

THIS IS NOT A PERMIT



SOIL PROFILE

0

orange/yellow
clay/
clay loam
3 1/2

to to orange
powdery
chunky
silty loam

↓

11' D

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

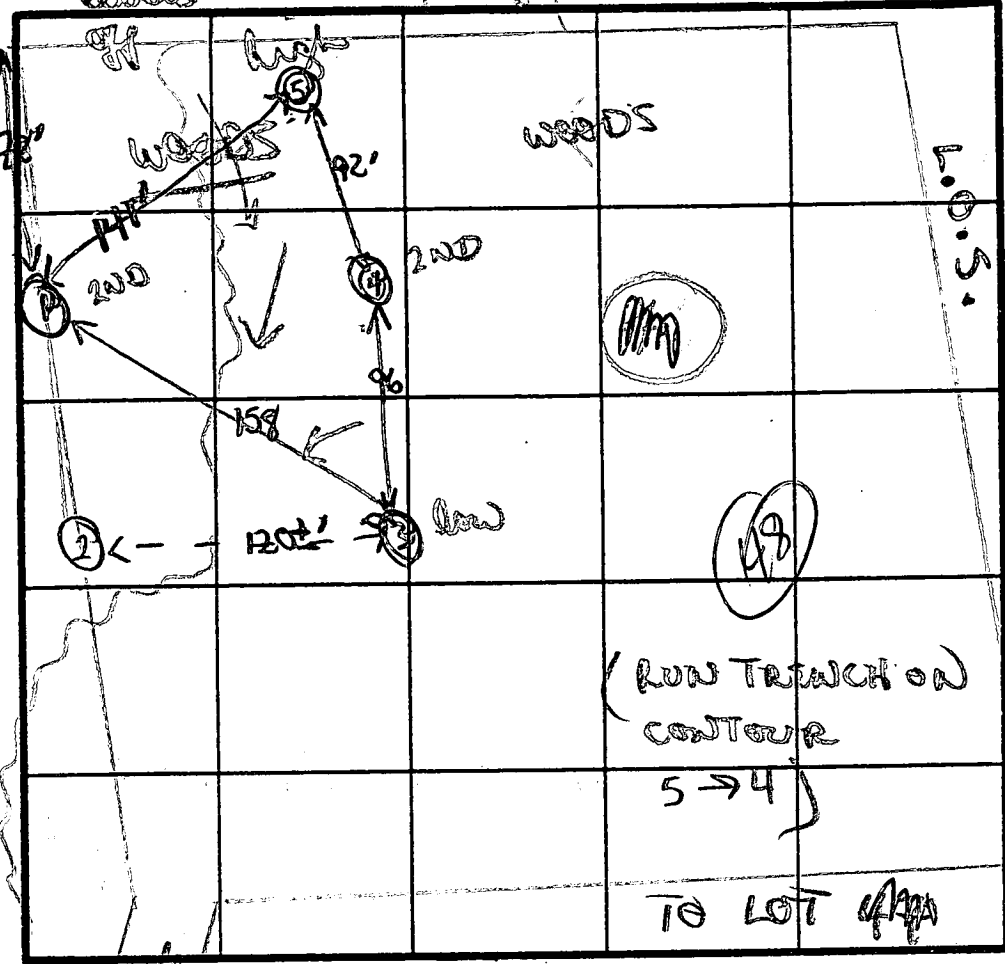
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/21/87	5	4' S	1220	1225	1225	1239	9 AM	
		11' D	Bottom (see profile)					

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

levels TO LOT 399



$\bar{x} = 14 \text{ min}$
INLET 4
MAX $6\frac{1}{2}$
200 P/BD

SOIL PROFILE

purple/brown clay/silt loam 3'
to purple powdery chunky silty loam
↓
11'D

④

orange/brown clay 3 1/2
to clay loam 4'
to purple powdery silty mica loam
↓
11 1/2'D

⑤ (common)

yellow/orange clay/silt loam 3 1/2'

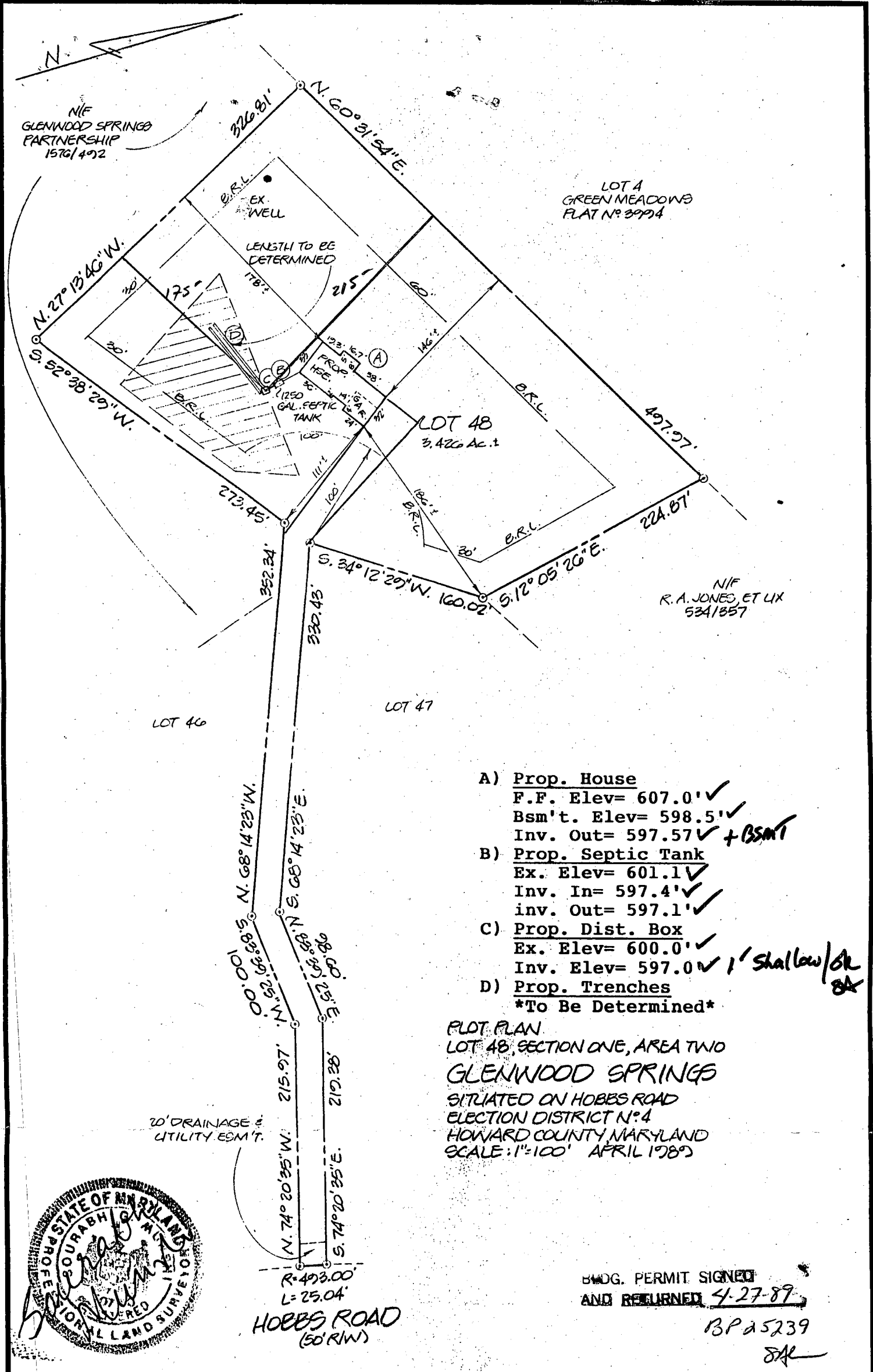
to purple chunky/silty mica loam
↓
12'D

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

TO HOBBS RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/21/87	40	4'5"	1032	1046	1046	1114	28 MIN	
		8' M	1032	1041	1041	1102	21 MIN	
	common w/ lot 41	12' D	both - (see profile)					
	②	16' D	11' tested and not used					
		12' D	both (see profile)					
	③	4'5"	1109	1112	1112	1116	4 MIN	
		7' M	1109	1112	1112	1115	3 MIN	
		11' D	both (see profile)					
	④	4 1/2' S	1117	1130	1120	1125	25 MIN (should be faster)	
		8 1/2' M	1117	1120	1120	1124	4 MIN	
		11 1/2' D	both (see profile)					

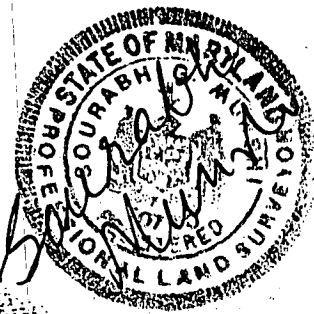
REMARKS: hole #1 common hole w/ lot 41; fence partially in woods
TYPE OF SOIL: orange/yellow clay loams, mostly orange purple silty loam
TESTED BY: B. W. J. ALSO PRESENT: Phil, Cliff



- A) Prop. House
 F.F. Elev= 607.0' ✓
 Bsm't. Elev= 598.5' ✓
 Inv. Out= 597.57' ✓ + BSMT
- B) Prop. Septic Tank
 Ex. Elev= 601.1' ✓
 Inv. In= 597.4' ✓
 inv. Out= 597.1' ✓
- C) Prop. Dist. Box
 Ex. Elev= 600.0' ✓
 Inv. Elev= 597.0' ✓ 1' shallow/OK
- D) Prop. Trenches
 To Be Determined

PLOT PLAN
 LOT 48, SECTION ONE, AREA TWO
 GLENWOOD SPRINGS
 SITUATED ON HOBBS ROAD
 ELECTION DISTRICT N°4
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' APRIL 1989

MDDG. PERMIT SIGNED
 AND RETURNED 4-27-89
 BP 25239
 JAL



HOBBS ROAD
 (50' RW)
 R=493.00'
 L=25.04'

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.



VANMAR ASSOCIATES INC.
 Engineers · Surveyors · Planners
 310 South Main Street, Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015

REFERENCE	JOB NO.
PLAT N° 7735	89-2219

N106656

B 1 **5621** SEQUENCE NO. (DP USE ONLY)
 THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-81-2734
 fill in this form completely

Date Received (APA) _____
OWNER INFORMATION
 15 Last Name **UNDEMAN** Owner First Name **ASCOE**
 36 Street or RFD **192**
 57 Town **ELLSWORTH** 70 State **MD** Zip **21043**

DRILLER INFORMATION
 Driller's Name **Joseph L. Mayne** 77 License No. **80**
 Firm Name **Joseph L. Mayne Well Drilling**
 Address **5519 MILK RD. N.H. HIGH 11721**
 Signature **Joseph L. Mayne** Date **4/16/88**

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

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

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

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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER **GAP**
 FORCE **GW** WRITE INITIALS IN BOX PERMIT No. **HO-81-2734**

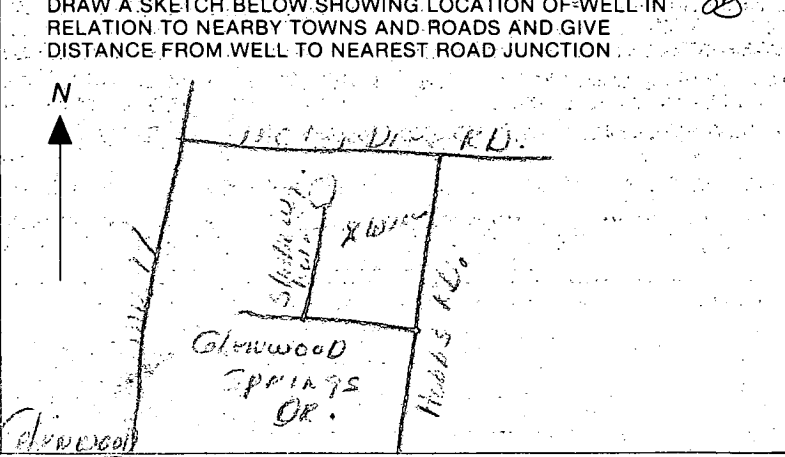
SPECIAL CONDITIONS

LOCATION OF WELL
 HOWARD COUNTY
 GLENWOOD SPRINGS
 SECTION **48** LOT **48**
 GLENWOOD
 MILES FROM TOWN (enter 0 if in town) **6** MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 NEAR WHAT ROAD **Shelton Roll Ct.**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **700** FT or MI **FF**

NOT TO BE FILLED IN BY DRILLER. HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **Howard** COUNTY NO. **A39334**
 STATE SIGNATURE _____ DATE ISSUED _____
 CO SIGNATURE **Ch. Will** EXP. DATE **11/12/88**
 NORTH GRID **533000** EAST GRID **0796000**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **190**
 N **530**
 Bags of cement: 5
 ft of casing: 25'
 OPEN HOLE: 22'
 4-8-88
 GREAT NOT WHOSE



C1 9502

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 39334

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for Date Received

070888

145

H0-81-2734

OWNER: CANNAN ASSOCIATES; STREET OR RFD: GLENWOOD SPRINGS DR; TOWN: GLENWOOD; SUBDIVISION: GLENWOOD SPRINGS; SECTION: ; LOT: 48

WELL LOG

Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed) FEET FROM TO Check if water bearing

Table with columns for Description, Feet From, Feet To, and Check if water bearing. Includes handwritten entries: SANDSTONE 0-18, GRAY SILICA ROCK 18-145.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N); TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC; NO. OF BAGS: 5; NO. OF POUNDS: 110; GALLONS OF WATER: 30; DEPTH OF GROUT SEAL: from 0 to 22 ft.

CASING RECORD

MAIN CASING TYPE: ST (STEEL); Nominal diameter: 6 inches; Total depth of main casing: 25 feet.

OTHER CASING (if used)

Grid for other casing diameter and depth.

SCREEN RECORD

screen type or open hole: HO (OPEN HOLE); insert appropriate code below.

DEPTH (nearest ft.)

Grid for screen depth measurements from 8 to 51 feet.

SLOT SIZE

DIAMETER OF SCREEN: ; (NEAREST INCH)

GRAVEL PACK

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY

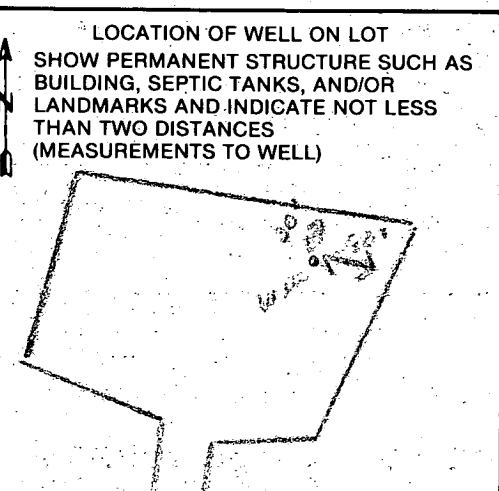
TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST

HOURS PUMPED: 3; PUMPING RATE: 20 gal. per min.; METHOD USED TO MEASURE PUMPING RATE: Bucket; TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES (NO); TYPE OF PUMP INSTALLED: ; CAPACITY: ; PUMP HORSE POWER: ; PUMP COLUMN LENGTH: ; CASING HEIGHT: ; LAND SURFACE: ; LOCATION OF WELL ON LOT



CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.

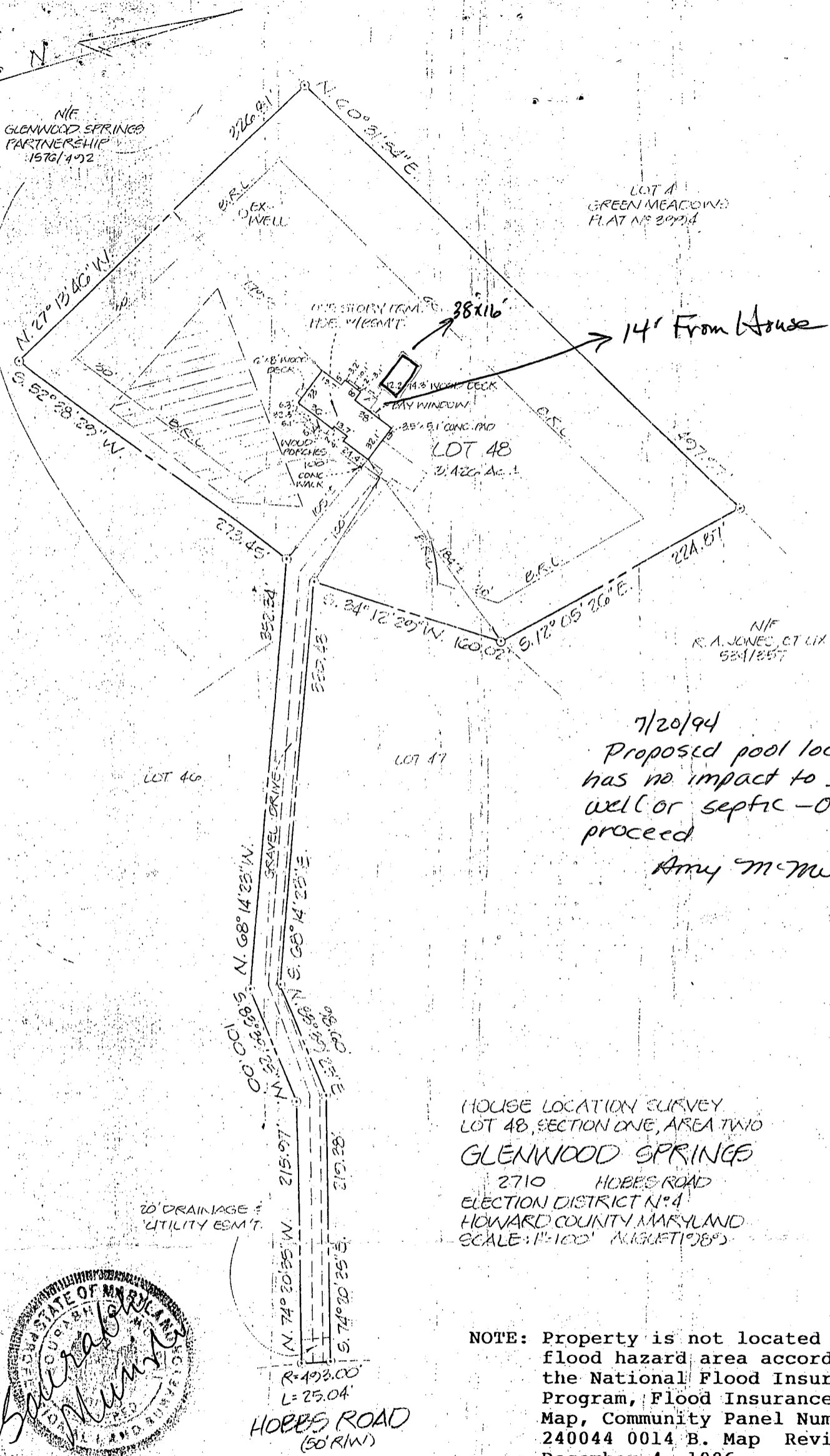
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. ; DRILLERS SIGNATURE

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

N/E
GLENWOOD SPRINGS
PARTNERSHIP
1576/492

LOT A
GREEN MEADOWS
PLAT NO 20994



N/E
R.A. JONES ET AL
534/257

7/20/94
Proposed pool location
has no impact to existing
well or septic - OK to
proceed
Amy McMullen

HOUSE LOCATION SURVEY
LOT 48, SECTION ONE, AREA TWO
GLENWOOD SPRINGS
2710 HOBBS ROAD
ELECTION DISTRICT N°4
HOWARD COUNTY, MARYLAND
SCALE: 1"=100' AUGUST 1988

NOTE: Property is not located in a
flood hazard area according to
the National Flood Insurance
Program, Flood Insurance Rate
Map, Community Panel Number
240044 0014 B. Map Revised
December 4, 1986



HOBBS ROAD
(50' R/W)

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MARYLAND, AS REFERENCED HEREON.



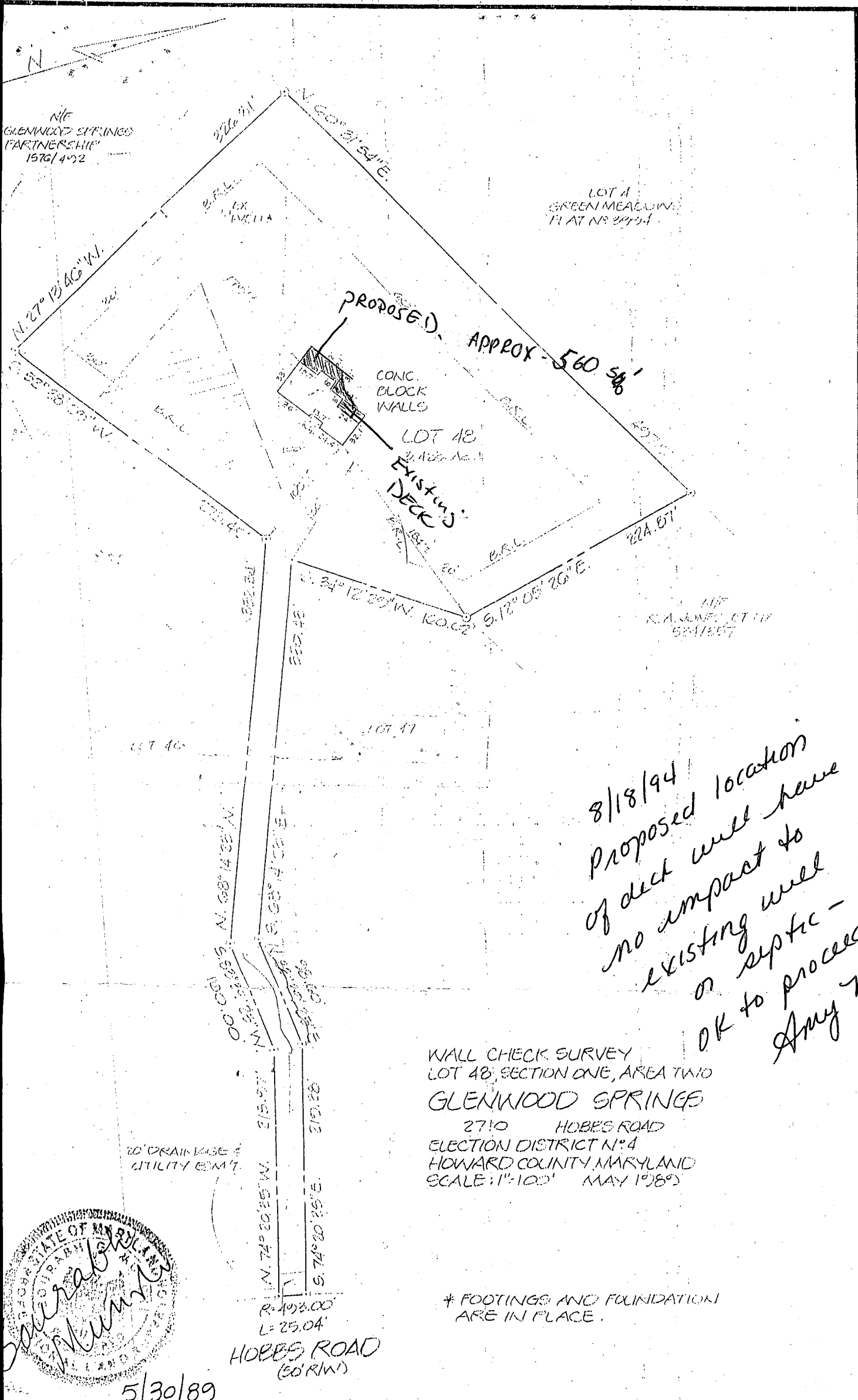
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N/E
GLENWOOD SPRING PARTNERSHIP
1576/4052

LOT 1
GREEN MEADOW
PLAT NO 20754

N/E
K.A. JAMES ET AL
5812557



8/18/94
Proposed location
of deck will have
no impact to
existing well
or septic -
OK to proceed.
Amy McMiller

WALL CHECK SURVEY
LOT 48, SECTION ONE, AREA TWO
GLENWOOD SPRING
2710 HOBBS ROAD
ELECTION DISTRICT N:4
HOWARD COUNTY, MARYLAND
SCALE: 1"=100' MAY 1989

* FOOTINGS AND FOUNDATION
ARE IN PLACE.



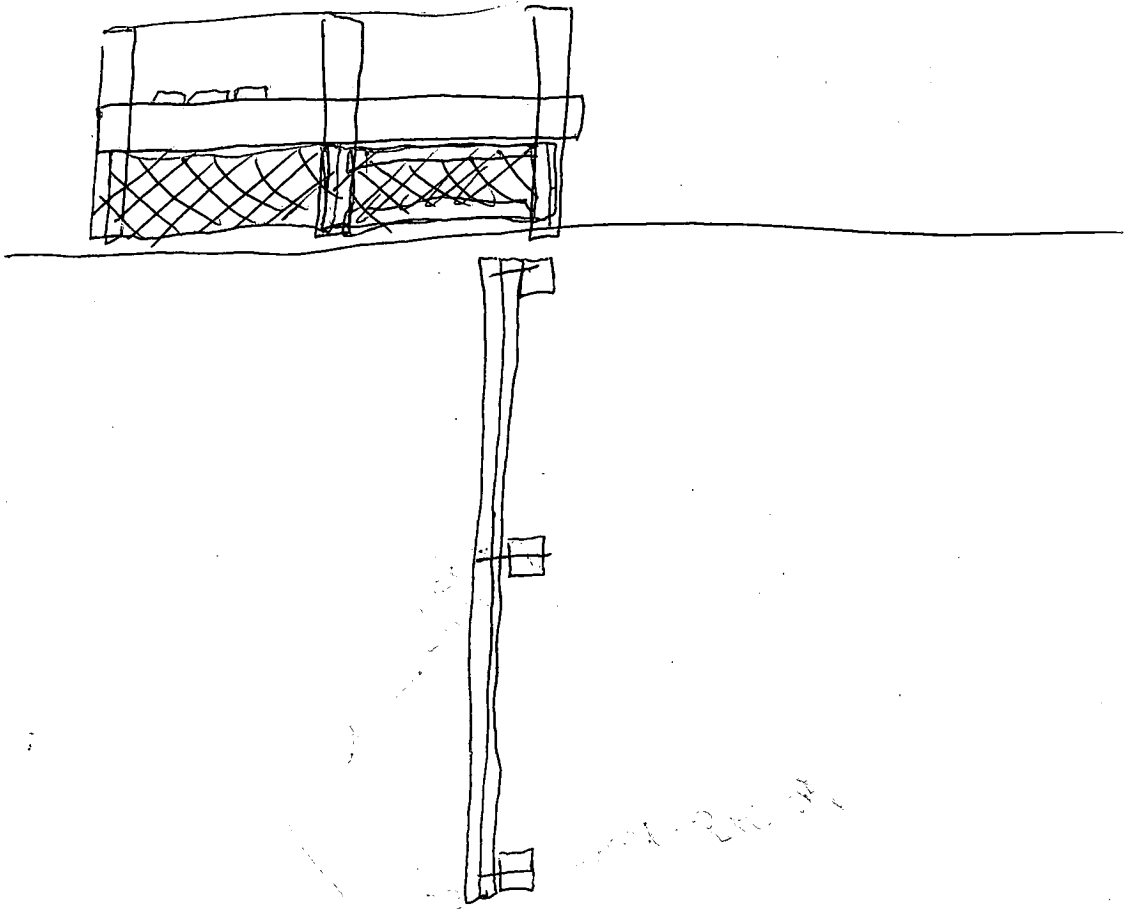
5/30/89

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REFERENCE	JOB NO.
AT No 7735	89-2219



BRO

