

11/16/92 am  
11/17/92 ANYTING

Tax ID - 04 - 316894

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 48352

A 46266

DISTRICT 4th

DATE 7/5/92

**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**  
461-9933

### INDEXED

DATE SYSTEM APPROVED 11-17-92

INSPECTOR JEN

*Chuck Zopp - C & C Utility*  
~~Betty Howard~~

410-549-4987  
301-774-3781

IS PERMITTED TO INSTALL  ALTER

ADDRESS 2100 Florence Road, Woodbine, Maryland 21797 PHONE ~~854-6927~~ 549-4987

SUBDIVISION Howard Property LOT 2 ROAD 2106 ~~Florence~~ Woodbine Road

PROPERTY OWNER Betty Howard (2110 Woodbine Road)

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 135

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the lot corner at end of the flagstem, place the distribution box 180 feet down the right (437.72') lot line and 85 feet off this same lot line. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 7/14/92 RH*

*(ok to design to 90° trenches at high part of septic storage)  
2/20/92 11/10/92 C.B.D. at office*

PLANS APPROVED BY Mark Rifkin DATE 6/05/92

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.

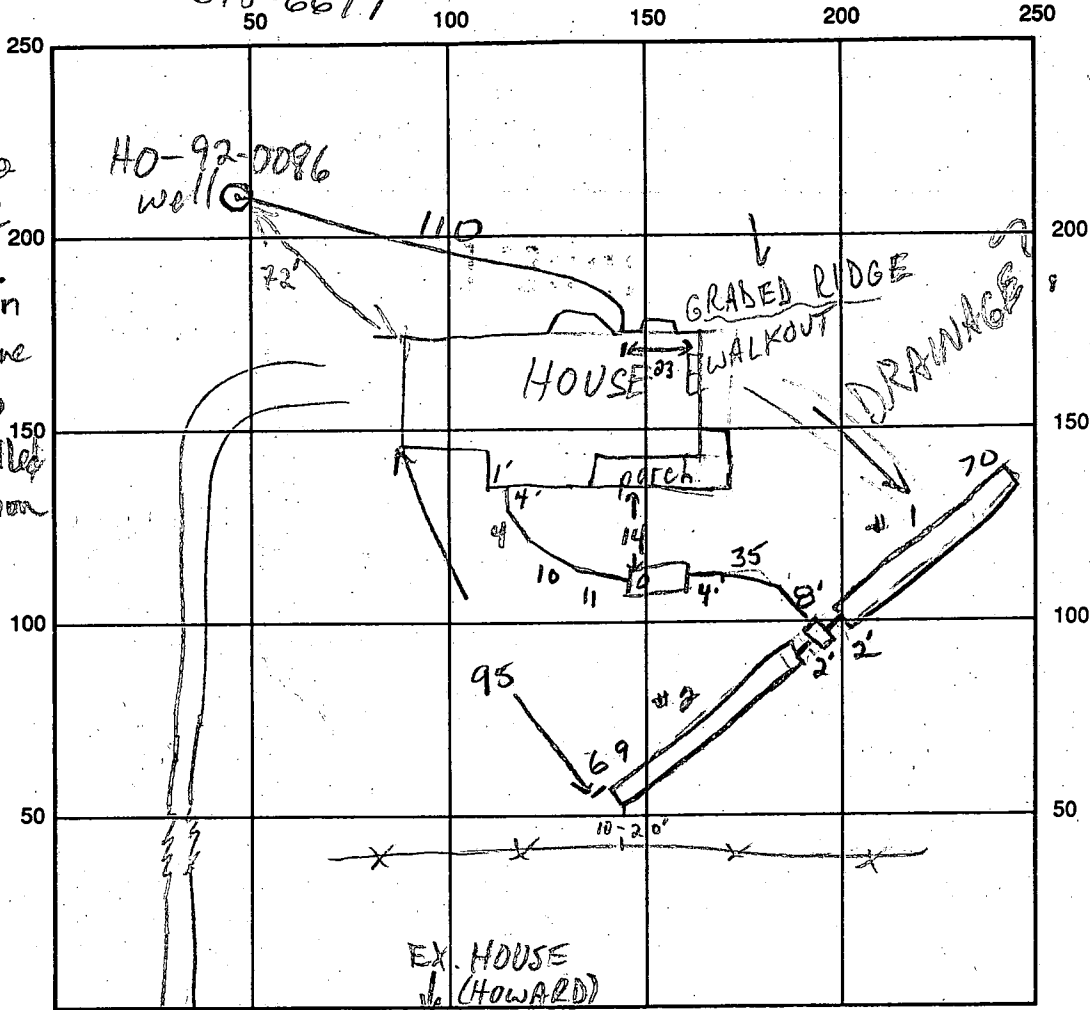
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A  
4102106

ST Mechanical  
695-6677

WPI 11-17-92  
Well line 4 1/2"  
in bg. P.A 37 in  
bg. Copper line  
attached. Pump  
tank not installed  
House connection  
ok. JEN



RT. 94

SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL OK w/ baffle

DRAIN FIELD TITLE DEPTH 1 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 2.5 FT.

EFFECTIVE GRAVEL DEPTH 4 4.5 FT. TOTAL LENGTH 70 69 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 290 310 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 590 SQ. FT.

REMARKS: 11/16/92 OK TO CONTINUE MR. 11-17-92 OK to cover  
all work. JEN

DATE SYSTEM APPROVED 11-17-92 INSPECTOR Gene E. Maden

# APPLICATION

PERCOLATION TESTING

A 46266

P \_\_\_\_\_

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

DISTRICT 4

DATE August 9, 1990

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: Melvin C. Howard Betty Howard

ADDRESS 2110 Rt. 94 Woodbine Maryland 21797 PHONE 854 - 6927

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION:

SUBDIVISION Howard Property LOT NO. 2

ROAD AND DESCRIPTION 2100. Blk Rt. 94 Woodbine, Maryland 21797

Lisbon ( 4th ) Election District Howard County Maryland (2106 Florence Road)

TAX MAP 7 PARCEL # 365 & 386

SIZE OF LOT 3.4524 AC TYPE BLDG. Single Family Dwelling  
(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.

Melvin C. Howard  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 9/27/90 Per OK Hold for Plat B.H.

BLDG. PERMIT SIGNED

AND RETURNED 6/20/92

Serial # 44256 - SPD

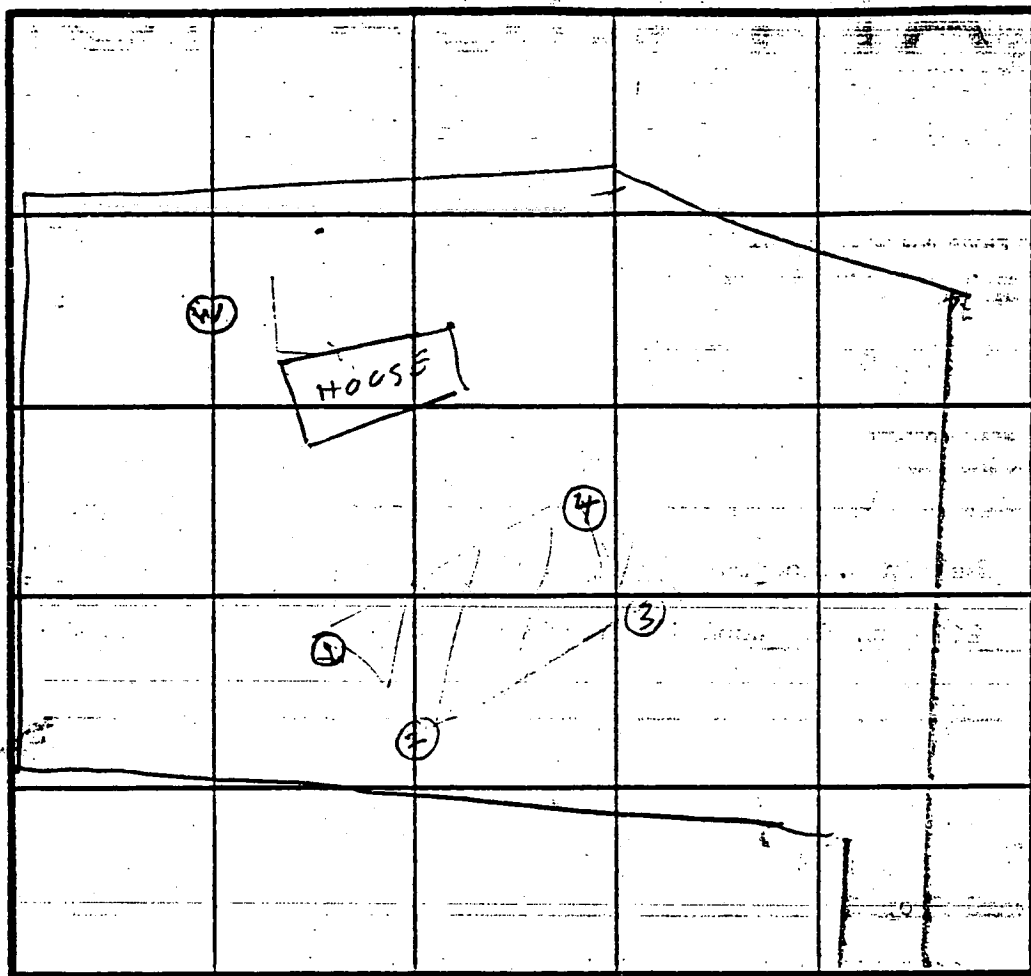
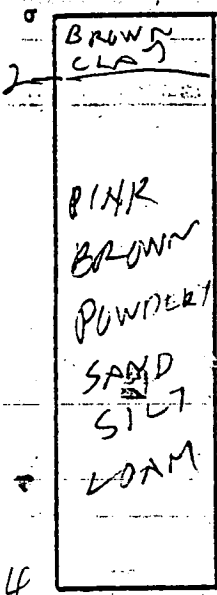
3 Bedrooms

# THIS IS NOT A PERMIT

HD-216

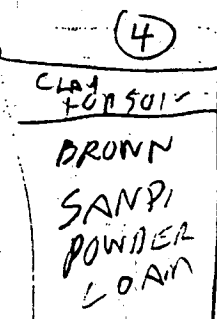
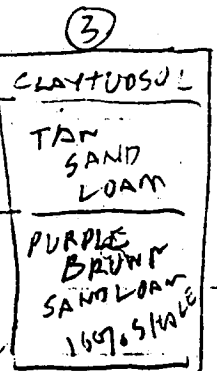
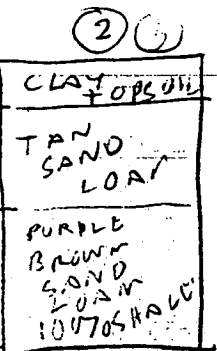
lot 2  
#6266

SOIL PROFILE



X=6  
180 BR  
Inlet 3.5'  
Bot 7.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



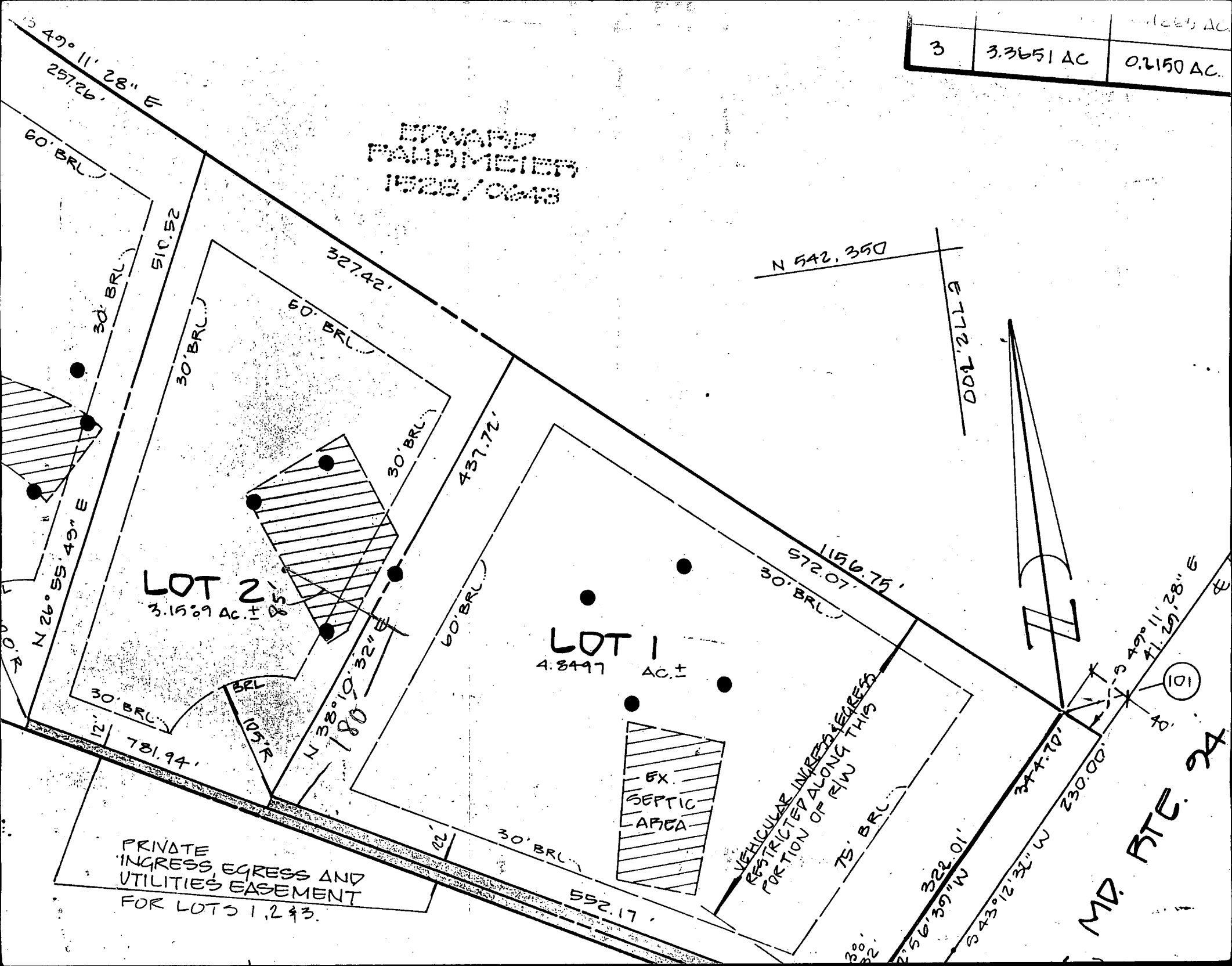
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/27/90	1 S	4	1143	1143	1143	1146	3
	1 V	14	OK				
	2 S	3	1149	1150	1150	1152	2
	2 D	8.5	1149	1201	1201	1212	10
	2 V	11.5	OK				
	3 S	3.5	1157	1158	1158	1200	2
	3 D	18	1158	1205	1205	1214	9
	3 V	12	OK				
	4 S	3	1218	1219	1219	1223	4
	4 D	10	1219	1220	1220	1231	11
	4 V	14	OK				

REMARKS Hole (1)(2)(3)(4) dug per Test Plat

TYPE OF SOIL \_\_\_\_\_  
TESTED BY R. G. H. J. G. H. MELVIN HOWARD  
KENNETH WAYNE OF SHERBORN

3	3.3651 AC	0.2150 AC
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EDWARD  
PALPMEIER  
1928 / 0648



LOT 2  
3.1509 AC ±

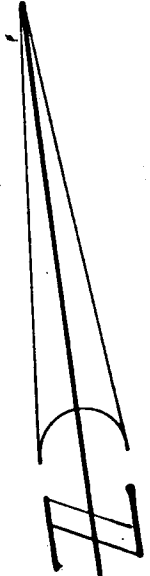
LOT 1  
4.8497 AC ±

EX  
SEPTIC  
AREA

PRIVATE  
INGRESS EGRESS AND  
UTILITIES EASEMENT  
FOR LOTS 1, 2 & 3.

VEHICULAR INGRESS  
RESTRICTED ALONG THIS  
PORTION OF RIW THIS

MD RTE. 24



N 49° 11' 28" E  
257.26'

60' BRL

N 26° 55' 49" E

510.52

327.42'

N 542, 350

001.2112

437.72'

1150.75'  
572.07'

781.94'

N 38° 19' 32" E  
180

N 49° 11' 28" E  
41.29' ±

101

60' BRL

30' BRL

30' BRL

105' R

30' BRL

75' BRL

552.17'

322.01'

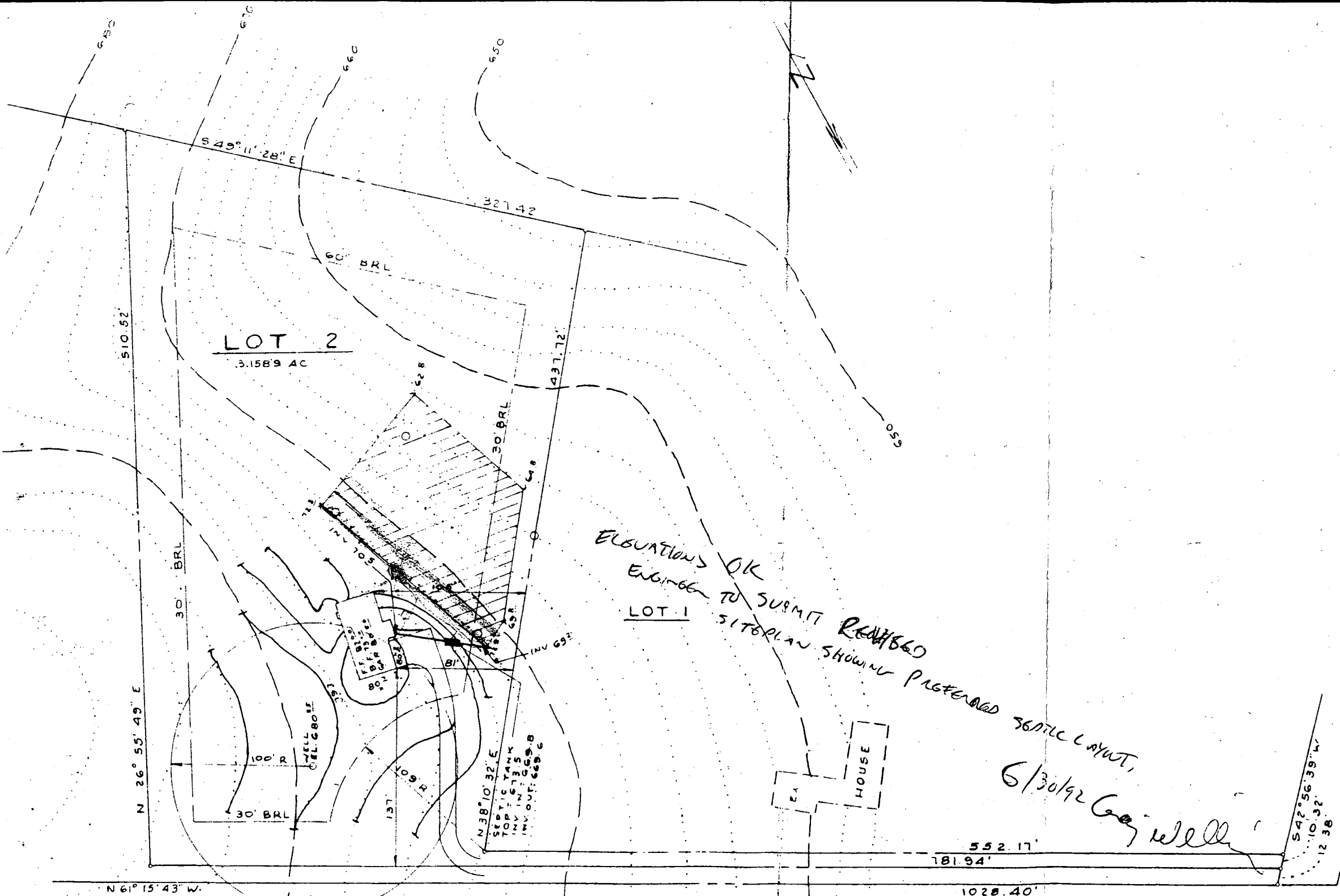
N 73° 21' 34" W  
543.12' ±

377.70'

230.00'

30' ±

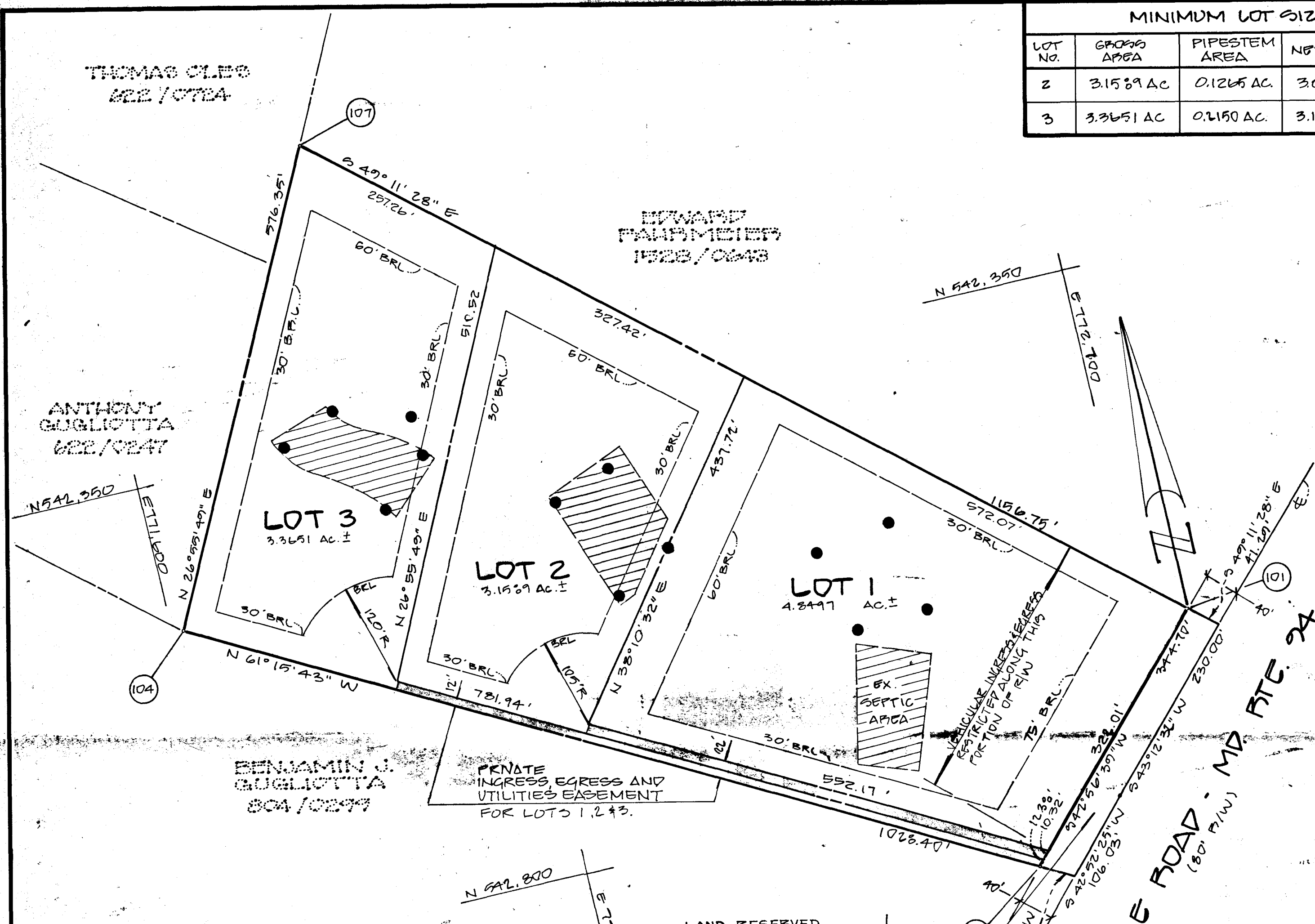
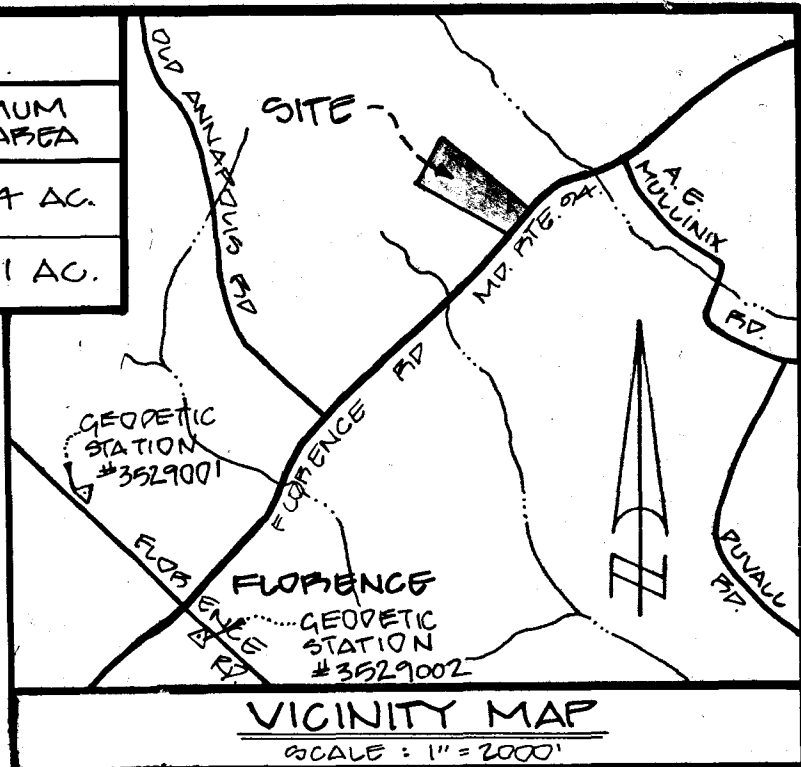
2' 56' 39" W



ELEVATIONS OK  
 ENGINEER TO SUBMIT REVISIONS  
 LOT 1 SITE PLAN SHOWING PROPOSED SEPTIC LAYOUT,  
 6/30/92 *Gay Wells*

FLORENCE ROAD - MD RTE 94

MINIMUM LOT SIZE TABULATION					
LOT NO.	GROSS AREA	PIPESTEM AREA	NET AREA	F.P. & S.L. AREA	MINIMUM LOT AREA
2	3.1589 AC	0.1265 AC	3.0324 AC	0	3.0324 AC
3	3.3651 AC	0.2150 AC	3.1501 AC	0	3.1501 AC



**GENERAL NOTES**

- PROPERTY ZONED: RUPAL
- THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE PLANE SYSTEM AND DERIVED FROM THE FOLLOWING HOWARD CO. GEODETIC CONTROL STATIONS: 3529001 & 3529002. (NAD 27)
- INDICATES CONCRETE MONUMENT TO BE SET.
- |— INDICATES IRON PIPE TO BE SET.
- B.F.L. INDICATES BUILDING RESTRICTION LINE.
- ▨ THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF A MINIMUM OF 10,000 S.F. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND SHOWN THIS: ●
- EXISTING DWELLING, SHED, DRIVEWAY, WELL AND SEPTIC SYSTEM TO REMAIN ON LOT 1.
- FLAG OR PIPESTEM LOTS SHALL NOT BE FURTHER SUBDIVIDED INTO LOTS ACCOMMODATING ADDITIONAL RESIDENCES UNLESS A PUBLIC ROAD CAN BE CONSTRUCTED ACCORDING TO COUNTY STANDARDS ON A MINIMUM 50' RIGHT-OF-WAY TO BE DEDED TO THE COUNTY.
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD RIGHT-OF-WAY AND NOT ONTO THE FLAG OR PIPESTEM.
- DRIVEWAYS WHICH SERVE TWO OR MORE LOTS MUST MEET THE REQUIREMENTS OF THE HOWARD COUNTY FIRE DEPARTMENT.
- A DECLARATION OF MAINTENANCE OBLIGATION AGREEMENT FOR THE USE-IN-COMMON ACCESS AREA HAS BEEN RECORDED FOR LOTS 1, 2 & 3, Liber 2414 Folio 0555 RECORDED Nov. 4, 1991.
- THERE ARE NO WETLANDS, STREAMS, AND/OR 100 YEAR FLOODPLAIN ON OR ADJACENT TO THIS PROPERTY.
- SUBJECT TO WP 91-77, JULY 2, 1991 WAIVER OF SECTION 16.113 F.7 AND 16.113 C.4 FOR DIRECT ACCESS TO FLORENCE ROAD AND SECTION 16.113 b.3 REDUCTION IN WIDTH OF PIPESTEMS.
- BOUNDARY SURVEY BY DEVELOPMENT CONSULTANTS GROUP, INC. ON JUNE 18, 1990.

COORDINATE LIST		
Pt. No.	Northing	Easting
101	541940.6675	772160.1355
103	541688.3413	772915.2073
104	542182.8024	771613.5639
107	542696.6509	771814.5944

AREA TABULATION	
TOTAL NUMBER OF LOTS:	3
TOTAL AREA OF LOTS:	495,430 S.F. or 11.3731 AC.
TOTAL AREA TO BE DEDICATED:	13,810 S.F. or 0.3170 AC.
TOTAL AREA OF SUBDIVISION:	509,240 S.F. or 11.6907 AC.

LAND RESERVED FOR STATE OF MARYLAND FOR THE PURPOSE OF A PUBLIC ROAD (0.3170 AC.)

16. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE & EMERGENCY VEHICLES PER THE FOLLOWING MIN. REQUIREMENTS: WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE; SURFACE - 6" OF COMPACT CRUSHED RUN BASE WITH CHIP COATING; GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE, MIN. 45' TURNING RADIUS; DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YR. FLOOD WIND MORE THAN 1.0' DEPTH OVER DRIVEWAY SURFACE; MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

APPROVED: FOR HOWARD COUNTY HEALTH DEPT. FOR PRIVATE WATERS AND PRIVATE SEWAGE SYSTEMS.  
*[Signature]* 11-15-91  
 HOWARD COUNTY HEALTH OFFICERS DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*[Signature]* 12/24/91  
 DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPT. OF PUBLIC WORKS.  
*[Signature]* 12/20/91  
 DIRECTOR DATE

**OWNER'S CERTIFICATE**

WE, MELVIN C. HOWARD & BETTY L. HOWARD, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, & IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAN BY THE DEPT. OF PLANNING AND ZONING ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MD., ITS SUCCESSORS & ASSIGNS: (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAIN & OPEN SPACE WHERE APPLICABLE, AND FOR GOOP AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE-SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIRS AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAYS. WITNESS OUR HANDS THIS 3 DAY OF AUGUST, 1990.

Melvin C. Howard  
 BETTY L. HOWARD  
 WITNESSES

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF: (1) ALL THE LAND CONVEYED BY RICHARD T. BESSETTE TO MELVIN C. HOWARD AND BETTY L. HOWARD BY DEED DATED FEBRUARY 18, 1987, RECORDED IN LIBER 1026 AT FOLIO 594 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.; AND (2) ALL THE LAND CONVEYED BY MELVIN C. HOWARD AND BETTY L. HOWARD TO MELVIN C. HOWARD BY DEED DATED APRIL 23, 1988 RECORDED IN LIBER 1346 AT FOLIO 321 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.; AND THAT ALL MONUMENTS ARE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY, AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

10-25-91  
 DATE  
 JEFFERSON D. LAWRENCE  
 PROFESSIONAL SURVEYOR, MD. REG. # 5816

RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND ON 12-24-91 AS PLAT NUMBER 10176.

**HOWARD PROPERTY**

WP-91-77 LOTS 1-3 F 91-32  
 TAX MAP: 7 PARCELS: 365, 366  
 LISBON (4TH) ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 JULY, 1990 SCALE: 1" = 100'  
 ZONING - RUPAL R.C.G. # 21-809

OWNER:  
 MELVIN HOWARD  
 2110 ROUTE 94  
 WOODBINE, MD 21797  
 (301) 854-6927

DEVELOPMENT CONSULTANTS GROUP, INC.  
 17904 GEORGIA AVE.  
 SUITE 102  
 OWNEY, MD 20832  
 (301) 924-4570

C1 6820 SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A462606

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 062973

Depth of Well 175 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-92-0086

OWNER Howard Betty last name first name STREET OR RFD Florence Rd (Rt. 77) TOWN Lisbon SUBDIVISION HOWARD PROPERTY SECTION LOT 2

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Brown Shale 0-53, Fine sand 53-175 to 165.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 16, NO. OF POUNDS 604, GALLONS OF WATER 90, DEPTH OF GROUT SEAL from 0 to 67 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (57), Nominal diameter top (main) casing 6 inch, Total depth of main casing 63 feet.

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

SCREEN RECORD: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT).

DEPTH (nearest ft.) table with handwritten values: 70, 63, 175.

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 321

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

SLOT SIZE 1-2-3, DIAMETER OF SCREEN (NEAREST INCH) from to

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: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 8, METHOD USED TO MEASURE PUMPING RATE Time, WATER LEVEL (distance from land surface) BEFORE PUMPING 58, WHEN PUMPING 103, 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: 29, CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31-35, PUMP HORSE POWER 37-41, PUMP COLUMN LENGTH (nearest ft.) 43-47, CASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below, LAND SURFACE (nearest foot) 50-51.

