

6/17/91
11:30
6/19/91
WASH

Tax ID - 04-350340

PERMIT

File

P 47244
A 42105

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

"INDEX - TIME EXPIRED"

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

FOR F.C.O.P. COMPLIANCE DATE 4/19/91

DATE SYSTEM APPROVED 6/21/91

INDEXED De Williams / C. Ed

INSPECTOR C. Ed

M. G. Fulton Services _____ IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 14898 Bushy Park Road, Woodbine, Maryland 21797 PHONE 442-2772

SUBDIVISION Quail Meadows LOT 10 ROAD 16630 Bahner Court

PROPERTY OWNER Fraih Developers, Inc. John Fisher

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 84

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210-280 6-17-91 JEN

210
31840
280

HO-88-0556

TRENCHES - 210 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Start first trench 90 feet from the left (455') lot line and 235' from the rear (365') lot line and run on contour.

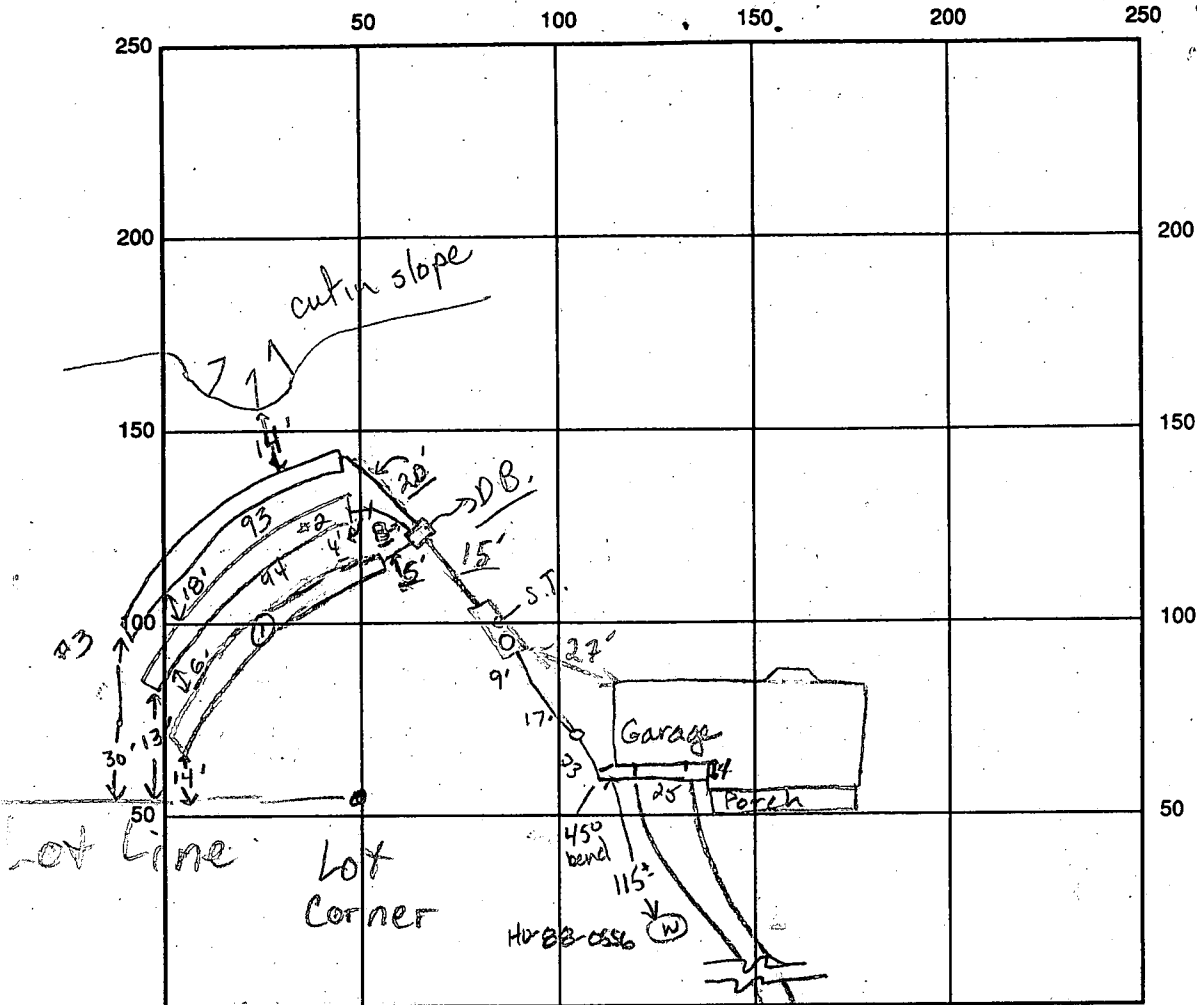
NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 14

PLANS APPROVED BY Fred Frommelt cm DATE 06/14/91

- 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**
*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A
42105



SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS 1 in line, 1 on septic tank
 DISTRIBUTION BOX LEVEL OK (with baffle)
 DRAIN FIELD/TITLE DEPTH 1 1/2 / 3 FT. TRENCH WIDTH 3 FT. INLET DEPTH 1 1/2 / 3 FT.
 EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 97 FT. 93 FT. 93 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 291/282/277 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 ABSORBENT AREA 852 SQ. FT.

REMARKS: 6-17-91 Discussed location w/ septic contractor. JEN 6/19/91 CENTER
STRAIGHTEN PIPE IN TRENCH #1. OK TO CONTINUE MR
6-20-91 OK to cover trenches 1 & 3. Add stone to #2. OK to cover sewer
line from house to distribution box. JEN 6/21/91 P.M. Final - per above
and work complete. covered to P. Box.

Note 6/21/91 (?) on W.P.I. - mud covered f. P.M. C.R. (C.O. only. Things in folder)
No inspections
 DATE SYSTEM APPROVED 6/21/91 INSPECTOR C. B. Street

APPLICATION

PERCOLATION TESTING

A 42105
P _____

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

DISTRICT 4TH
DATE 4/1/88

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 EDWARD J. AND PATRICIA KUNTZE John Fisher

ADDRESS 2328 FLORENCE ROAD, WOODBINE, MD. 21797 PHONE 796-1421
434-4919

PROSPECTIVE BUYER CARMAN ASSOCIATES

ADDRESS P.O. BOX 122, ELLICOTT CITY, MARYLAND 21043 PHONE 442-5613

PROPERTY LOCATION: N/S MD. ROUTE 144 APPROX 1200' EAST OF WATERSVILLE ROAD

SUBDIVISION PROPERTY OF LAVINIA L. HOOD LOT NO. 10 on Final

ROAD AND DESCRIPTION COURT 'A' (16630 Bahner Court)

TAX MAP 7 PARCEL # 432

SIZE OF LOT 3 ACRES + TYPE BLDG SFD
(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]
CARMAN ASSOCIATES
GENERAL PARTNER
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Ubel FOR Standard Touch DATE 11-21-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/25/88 Perc Satisfactory - Hold for Permt. Sale

BLDG. PERMIT SIGNED
AND RETURNED 4/1/88
Serial # 37308-SFD
4 Bedrooms

THIS IS NOT A PERMIT

HD-216

A-42105

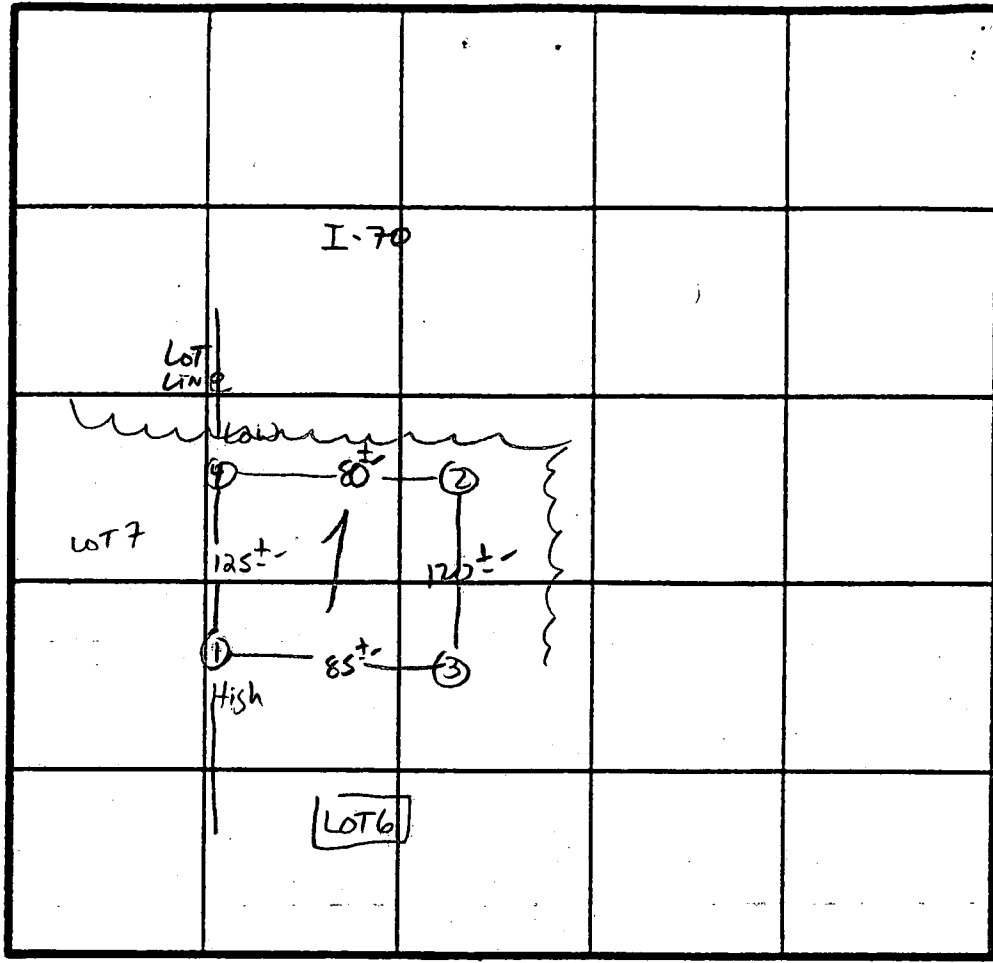
SOIL PROFILE

0
4"
3"
11"

AP
Strong BR
Silt loam
(clayey)
20-25%
Frags

Yellow Bk/
Strong BR
Silt loam
Frags
35-50%

MASSIVE
ATID



X Perc
4 min
180 PSI
Inlet 3"
Bottom 5"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Rt 144

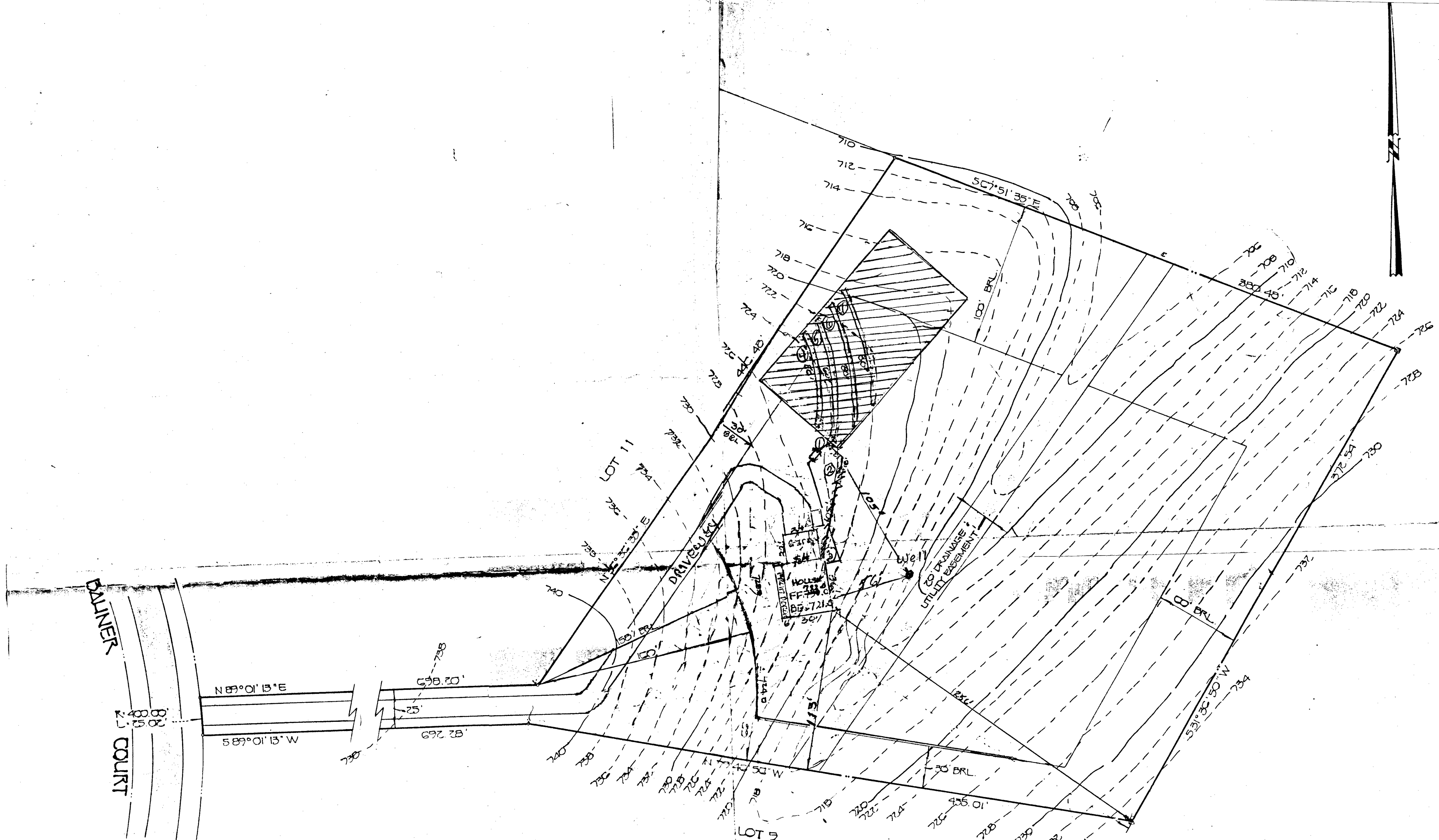
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/25/88	1 S	4.0	1:16	1:18	1:18	1:23	5 min
		8.0	1:16	1:18	1:18	1:22	4 min
	1 V	11.5	Less frags than profile				
	2 S	4.5	1:27	1:29	1:29	1:32	3 min
	2 V	11" AS profiled					
	3 S	3.5	1:23	1:25	1:25	1:30	5 min
	3 V	11.5	Similar to profile w/ a massive structure				
	4 S	3.5	1:18	1:20	1:20	1:23	3 min
	4 V	11.5	Less frags than profile				

REMARKS Holes Approx PLAT - SHALLOW SYST ONLY

TYPE OF SOIL MANOR

TESTED BY S. Abel ALSO PRESENT Phil M. Amelius

Ruby
C. Cosset



DWELLING HAS THREE (3) BEDROOMS
 SIZE OF SEPTIC TANK - 1250 GALLONS
 AREA OF TRENCHES - 180' PER BEDROOM
 4 BEDROOM x 180' x 7.82' DEPTH OF STONE 2' DEPTH OF TRENCH

J.H.S.

- ① EX. GROUND OVER DISTRIBUTION BOX - 724.0
 INV. IN @ BOX - 721.1
 INV. OUT @ BOX - 720.0
- ② EX. GROUND OVER SEPTIC TANK - 725.0
 INV. IN @ TANK - 721.7
 INV. OUT @ TANK - 721.4
- ③ PROP. GROUND @ HOUSE - 725.0
 INV. @ HOUSE - 722.1
 FIRST FLOOR - 732.0

- ④ EX. GROUND OVER TRENCH - 723.5
 INV. @ PIPE - 720.5 50 lf
- ⑤ EX. GROUND OVER TRENCH - 723.0
 INV. @ PIPE - 720.0 60 lf
- ⑥ EX. GROUND OVER TRENCH - 723.5
 INV. @ PIPE - 720.5 80 lf
- ⑦ EX. GROUND OVER TRENCH - 722.0
 INV. @ PIPE - 719.0 80 lf

Prepared by,
 John H. S. [Signature]
 3722 Folger Rd
 Ellicott City, Md.
 21043
 988-9828

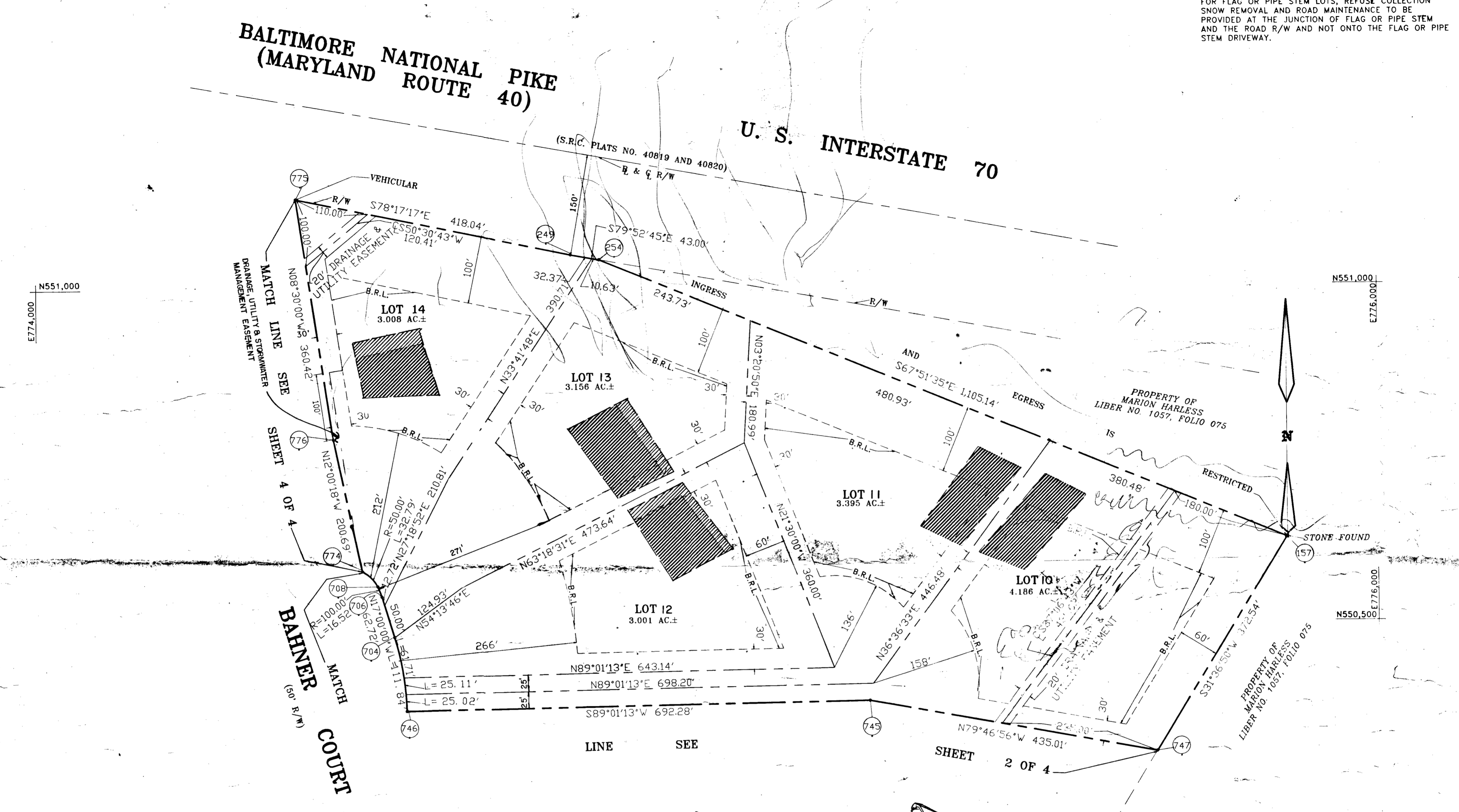
4/24/91
 PLANS OK
 R.H.

PLAN TO ACCOMPANY BUILDING PER
 QUAIL MEADOW
 LOT 10
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 SCALE: 1" = 50'

NOTE:
FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION
SNOW REMOVAL AND ROAD MAINTENANCE TO BE
PROVIDED AT THE JUNCTION OF FLAG OR PIPE STEM
AND THE ROAD R/W AND NOT ONTO THE FLAG OR PIPE
STEM DRIVEWAY.

**BALTIMORE NATIONAL PIKE
(MARYLAND ROUTE 40)**

U. S. INTERSTATE 70



AREA TABULATION FOR SHEET 3 OF 4

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED.....	5
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED.....	0
TOTAL NUMBER OF LOTS TO BE RECORDED.....	5
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED.....	16.746 AC±
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED.....	0.000 AC±
TOTAL AREA OF ROADWAY TO BE RECORDED.....	0.000 AC±
TOTAL AREA TO BE RECORDED.....	16.746 AC±

OWNER AND DEVELOPER
FRALL DEVELOPERS, INC.
P.O. BOX 659
MT. AIRY, MARYLAND 21771

FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
TEL.: (301) 461-2855

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Jogen Boyle 3-7-90
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Joseph R. Keith 4/25/90
DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
James W. Lee 4/4/90
DIRECTOR DATE

OWNER'S CERTIFICATE

WE, FRALL DEVELOPERS, INC., A MARYLAND CORPORATION, BY JAMES M. FREY, PRESIDENT, AND BY HOLLY J. HARRISON, SECRETARY, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPT. OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND 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 RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE OF THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE OF THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, 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, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY.

WITNESS OUR HANDS THIS 15th DAY OF FEBRUARY, 1990.

James M. Frey
JAMES M. FREY (PRESIDENT)
FRALL DEVELOPERS, INC.

Holly J. Harrison
HOLLY J. HARRISON (SECRETARY)
FRALL DEVELOPERS, INC.

Brett S. Gossel
WITNESS

Brett S. Gossel
WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY EDWARD J. KUNTZE AND PATRICIA M. KUNTZE TO FRALL DEVELOPERS, INC BY DEED DATED MAY 15, 1989 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 2003, FOLIO 186 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE 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

Terrell A. Fisher Feb. 20, 1990
TERRELL A. FISHER, L.S.# 10692 DATE

RECORDED AS PLAT NO. 9355 ON 4-30-1990 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

QUAIL MEADOW
LOTS 5-20
(A RESUBDIVISION OF LOT 4,
PROPERTY OF LAVINIA L. HOOD
LOTS 1-4, PLAT#3946)

ZONING R

TAX MAP 7 PARCEL 482
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1"=100' DECEMBER 12, 1989
SHEET 3 OF 4

S88-87 P89-07 F89-209

F-89-209

C1 2413 SEQUENCE NO. (DENY USE ONLY)

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER A-42105

DATE RECEIVED

DATE WELL COMPLETED 051189

DEPTH OF WELL 205 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" A0-88-0556

OWNER CALMALL ASSOCIATES STREET OR RFD CALMALL RD. TOWN GAITHERSBURG

SUBDIVISION QUAIL MEADOWS SECTION LOT 110

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, FEET (FROM, TO), Check if water bearing. Includes entries for Brown Shale and Blue Rock.

GROUTING RECORD WELL HAS BEEN GROUTED YES (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 5 NO. OF POUNDS 470

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter 1 Total depth 205

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

Table for screen depth with columns for depth (nearest ft.) and rows for each screen.

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"

DRILLERS IDENT. NO. 237 DRILLERS SIGNATURE

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

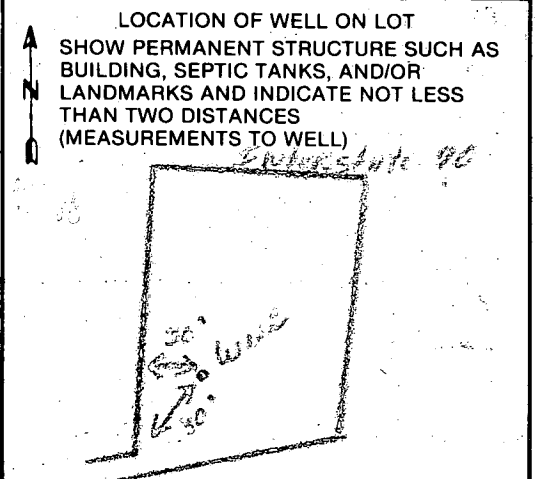
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED 2 PUMPING RATE 150 gal. per min. METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL BEFORE PUMPING 50 WHEN PUMPING 50 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE PUMP HORSE POWER PUMP COLUMN LENGTH CASING HEIGHT



B 1 **2228** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

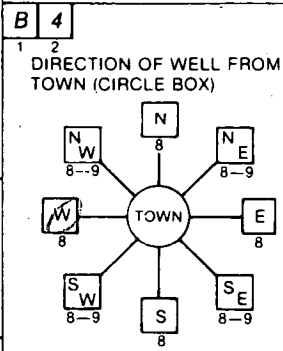
STATE OF MARYLAND
PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
40-88-0556
 fill in this form completely

Date Received (APA) **04/28/89**
OWNER INFORMATION
 CARMAN ASSOCIATES
 P.O. BOX 122
 ELKICOTT CITY MD 21043

B 3 LOCATION OF WELL
 HOWARD COUNTY
 SIMIL MENTIONS
 SECTION 44 LOT 1670
 LISBON
 MILES FROM TOWN (enter 0 if in town) 1 1/2 MI

DRILLER INFORMATION
 Joseph L. Mayne 238
 Joseph L. Mayne Well Drilling
 5512 RIDGE RD. Mt. Airy 21771
 Joseph L. Mayne 4/10/89



Bahner Court
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD 780 FT

B 2 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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 Howard A. 42105
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE INSERT S
 DATE ISSUED 04/18/89
 CO SIGNATURE EXP. DATE
 NORTH GRID 550000 EAST GRID 0774000

APPROXIMATE DEPTH OF WELL 260 FEET

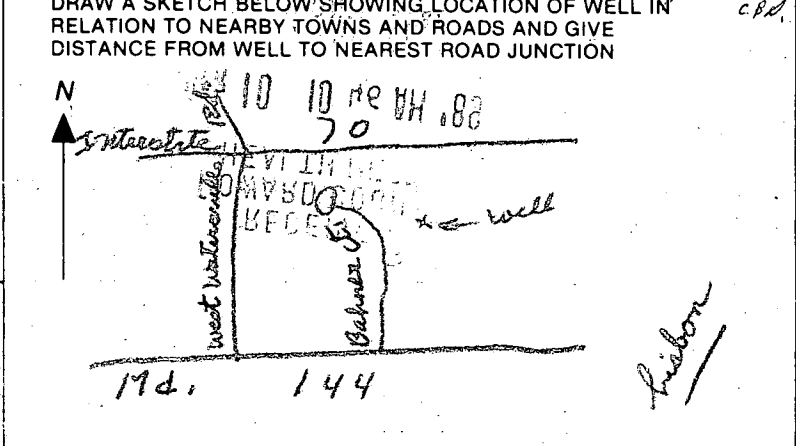
APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTary Drive-POINT

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 DEEPEM 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 SA PERMIT NO. 40-88-0556

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 770 4
 N 550 0



SPECIAL CONDITIONS
 COUNTY