

10/23/84
10:30 P.M. trench in st

W.P.I. - 11/1/84
P.M. Inapt.

APPROVED
10/23/84
R. Hodges P 34/144

PERMIT

A 33585

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 3rd.
DATE 7/26/84

INDEXED

Fogle Septic IS PERMITTED TO INSTALL ALTER

ADDRESS 1115 Streaker Road, Sykesville, Maryland PHONE 795-5670

SUBDIVISION Friendship Manor ROAD 21015 Luanne Court LOT 30

PROPERTY OWNER Thomas and Kathleen Ratican
ADDRESS 4004 Bee Court, Westminster, Maryland

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 168 sq. ft per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade with 5 feet of stone below distribution pipe. LOCATION: Start first trench 375 feet from the lot line that borders Route 144, and 85 feet from the 608 ft lot line. Run trench(s) along level ground toward front corner of property. Note: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

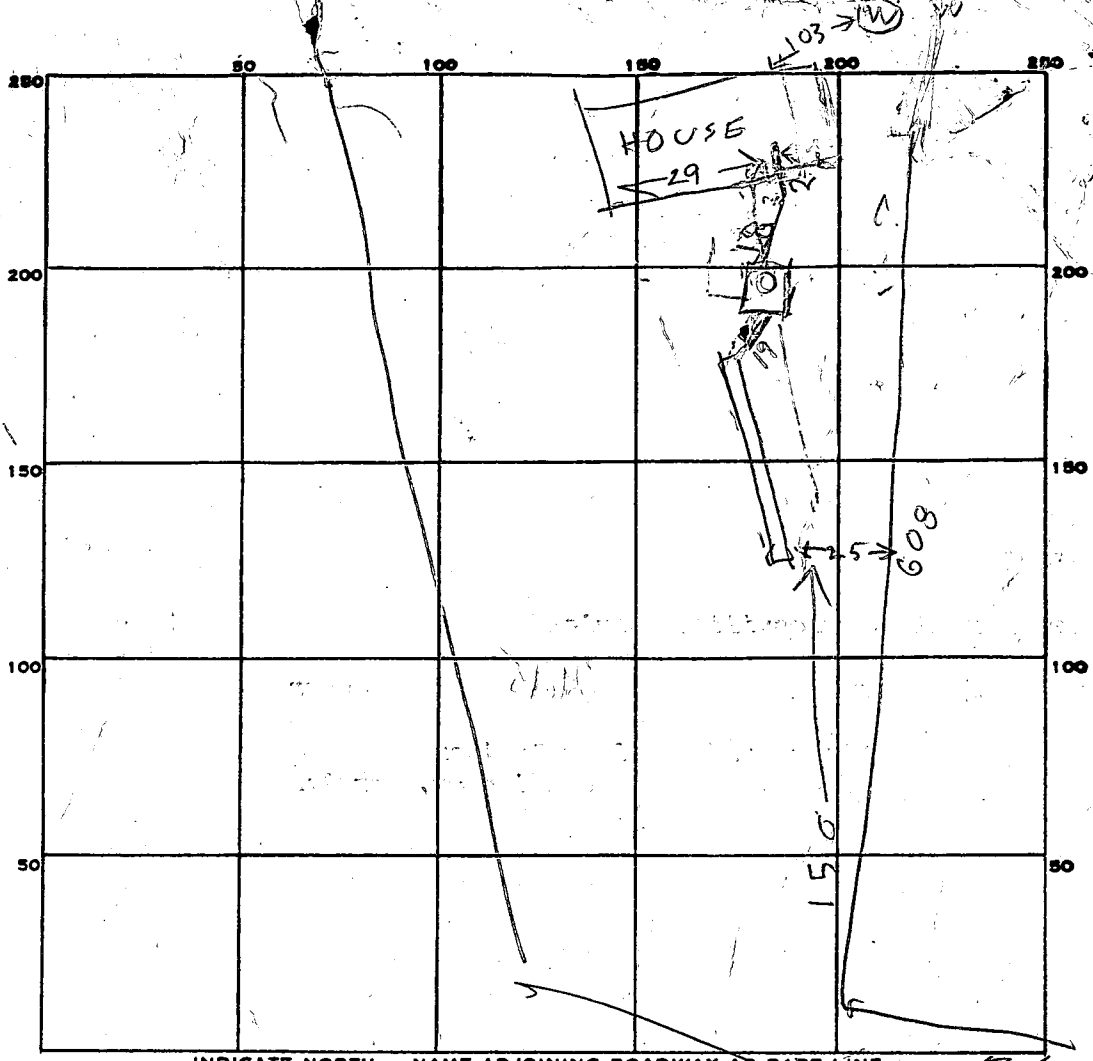
10/23/84 OK TO DIG TRENCH 9 1/2 FT DEEP INSTEAD OF 8 1/2 FT DEEP

PLANS APPROVED BY C. Williams DATE 5/28/84

- 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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.
- 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 THREE 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.

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

10/23/84
33585



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

PERMIT CARD _____

SEPTIC TANK, LEVEL OK 1000 CLEANOUTS OK 10/23/84

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 9 1/2 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 3 6 IN. TOTAL LENGTH 90 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 540

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 10/23/84 - LOCATION OK PER PLANS OK TO ADD STONE TO TRENCH FINISH HOOKING UP TANK RU

10/23/84 - 504 SQ FT REQUIRED FOR 3 BR HOUSE

DATE SYSTEM APPROVED 10/29/84 INSPECTOR Raymond Hodger

B 1 **7608** SEQUENCE NO. (OEP USE ONLY)
NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
HO-81-0440
fill in this form completely

Date Received **5/21/84**
030584
OWNER INFORMATION
RAFICAN KATHLEEN
4004 BEE CT.
WESTMINSTER MD 21157

B 3 LOCATION OF WELL
HOWARD COUNTY
FRIENDSHIP MANOR SUBDIVISION
SECTION **2** LOT **30**
WEST-FRIENDSHIP NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) **2** MI

DRILLER INFORMATION
Stanley W. Dollinger Jr. License No. **308**
Stan's Well Drilling Inc.
2095 West. Md 21157
Stanley W. Dollinger Jr. 2/13/84

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
NEAR WHAT ROAD **LOUANNE CT.**
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD **1400** FT
ENTER FT or MI **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 COUNTY NAME
A 33585 COUNTY NO.
OEP SIGNATURE **Frank Shuman** DATE ISSUED **9/8/84**
NORTH GRID **534000** EAST GRID **0813000**

APPROXIMATE DEPTH OF WELL **165** FEET

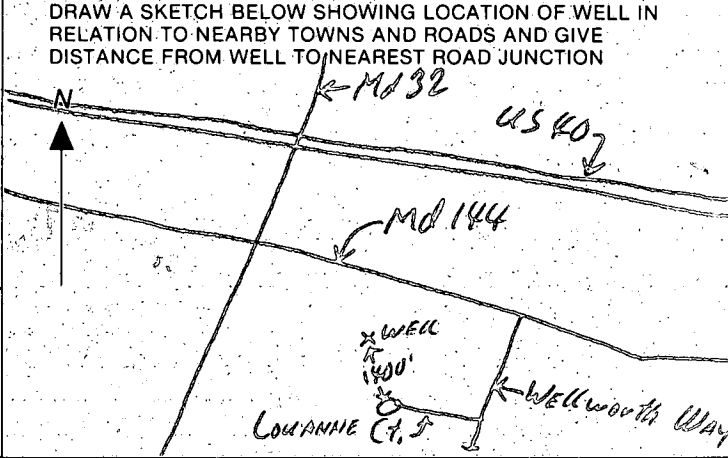
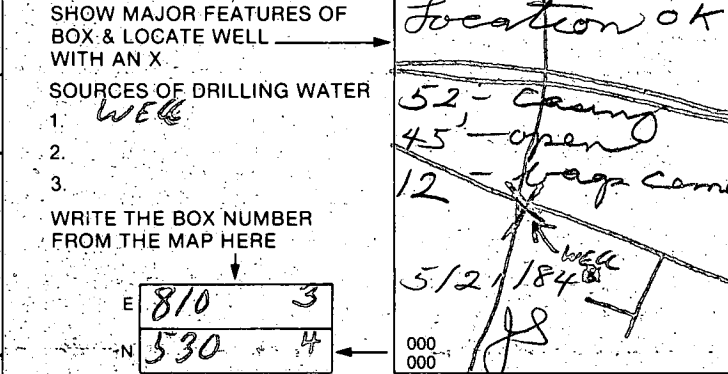
APPROXIMATE DIAMETER OF WELL **6** INCH

METHOD OF DRILLING (circle one)
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 **FS** INITIALS IN BOX PERMIT No. **HO-81-0440**

SPECIAL CONDITIONS



SUBDIVISION: FRIENDSHIP MANOR

LOT NUMBER: 30

(THOMAS RATICAN)

DRY WELL OR DRY WELL AND TRENCH

		_____ sq. ft./bedroom
	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.
 Bottom maximum depth _____ feet below original grade.
 Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

168 sq. ft./bedroom

Trench to be 2 wide.
 Inlet 3 1/2 feet below original grade.
 Bottom maximum depth 8 1/2 feet below original grade.
 Effective area begins at 3 1/2 feet below original grade.
5 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: START FIRST TRENCH ³⁷⁵ 350 FEET FROM THE
LOT LINE THAT BORDERS ROUTE 144, AND ⁸⁵ 60 FEET FROM
THE 608 FT LOT LINE. RUN TRENCH(S) ALONG LEVEL
GROUND TOWARD FRONT CORNER OF PROPERTY,

5/28/84

C. Williams

APPLICATION

Retest

2/27/84
11:30 A.M.
Retest

A 33585

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 3rd

DATE 2/22/84

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 Thomas and Kathleen Ratican

ADDRESS 4004 Bee Court, Westminster, Md. PHONE 875-2742

PROPERTY LOCATION:

SUBDIVISION Friendship Manor LOT NO. 30

ROAD AND DESCRIPTION End of Luanne Court

Lot is at the corner of Route 144 and Route 32

SIZE OF LOT 3 ac. TYPE BLDG. _____ (NUMBER OF BEDROOMS)

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. Sylvia Beard
(SIGNATURE OF APPLICANT)

APPROVED BY F. SKINNER (PERCU) FOR TRENCHES DATE 3-21-84

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2/27/84 Hold for plat. & certified holes.

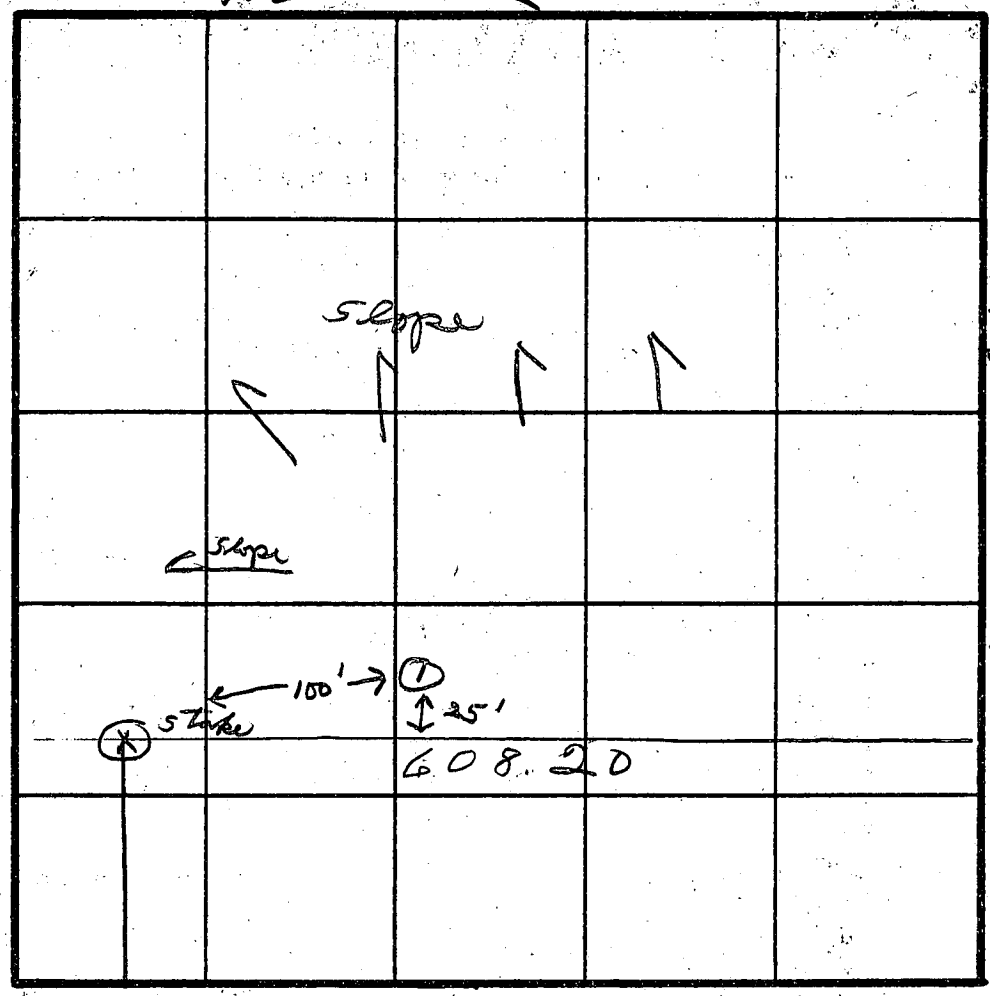
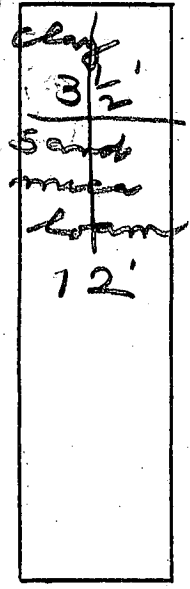
BLDG. PERMIT SIGNED
AND RETURNED 8/14/84
605567 S.A. S.F.A.

THIS IS NOT A PERMIT

RT 32

RT 144

SOIL PROFILE



inlet 3 1/2'
bottom 8 1/2'
168φ/B.R

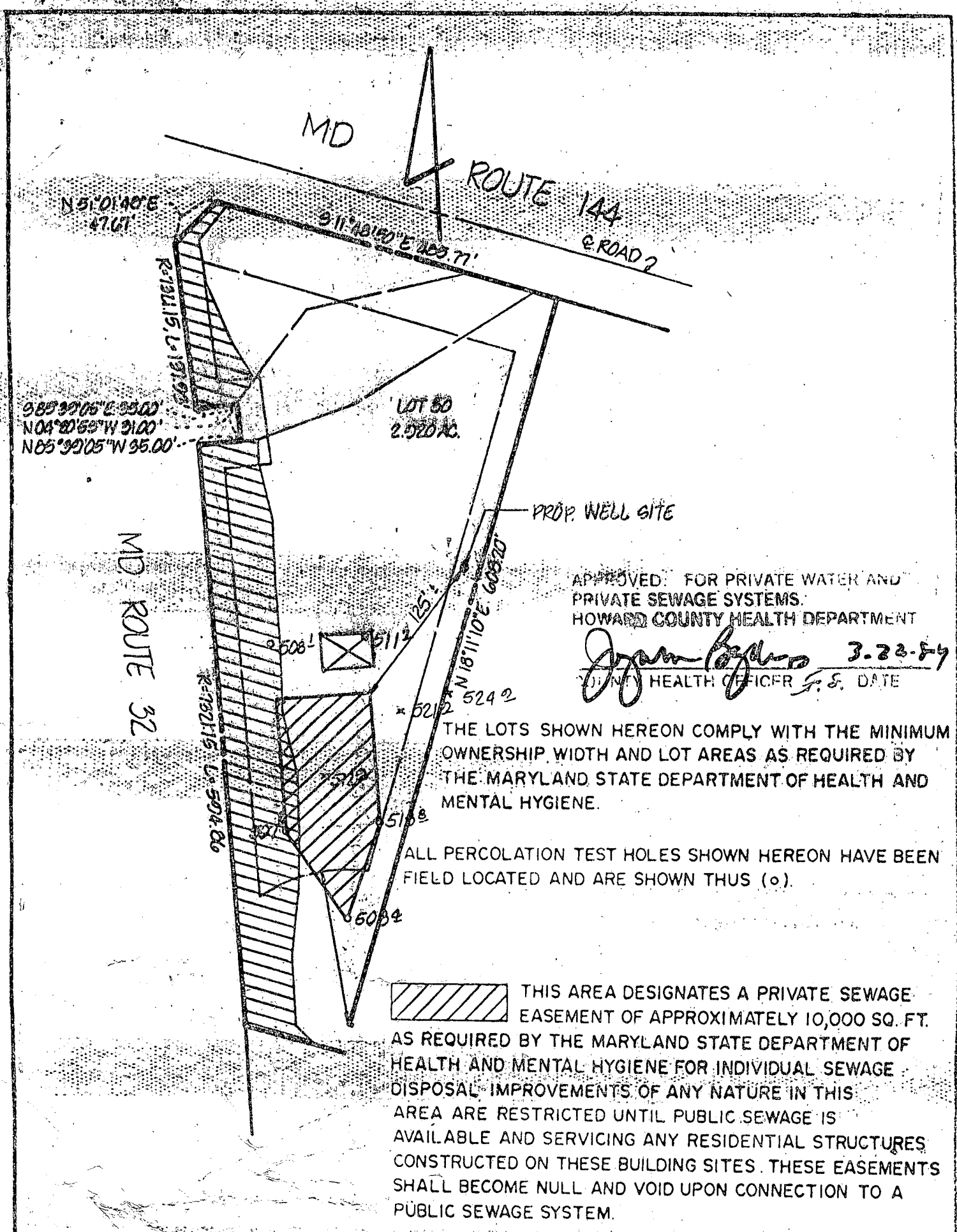
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/27/84	15	4 12	1:22	1:23	1:23	1:25	2

REMARKS Dad note perc below 4ft - all sandy

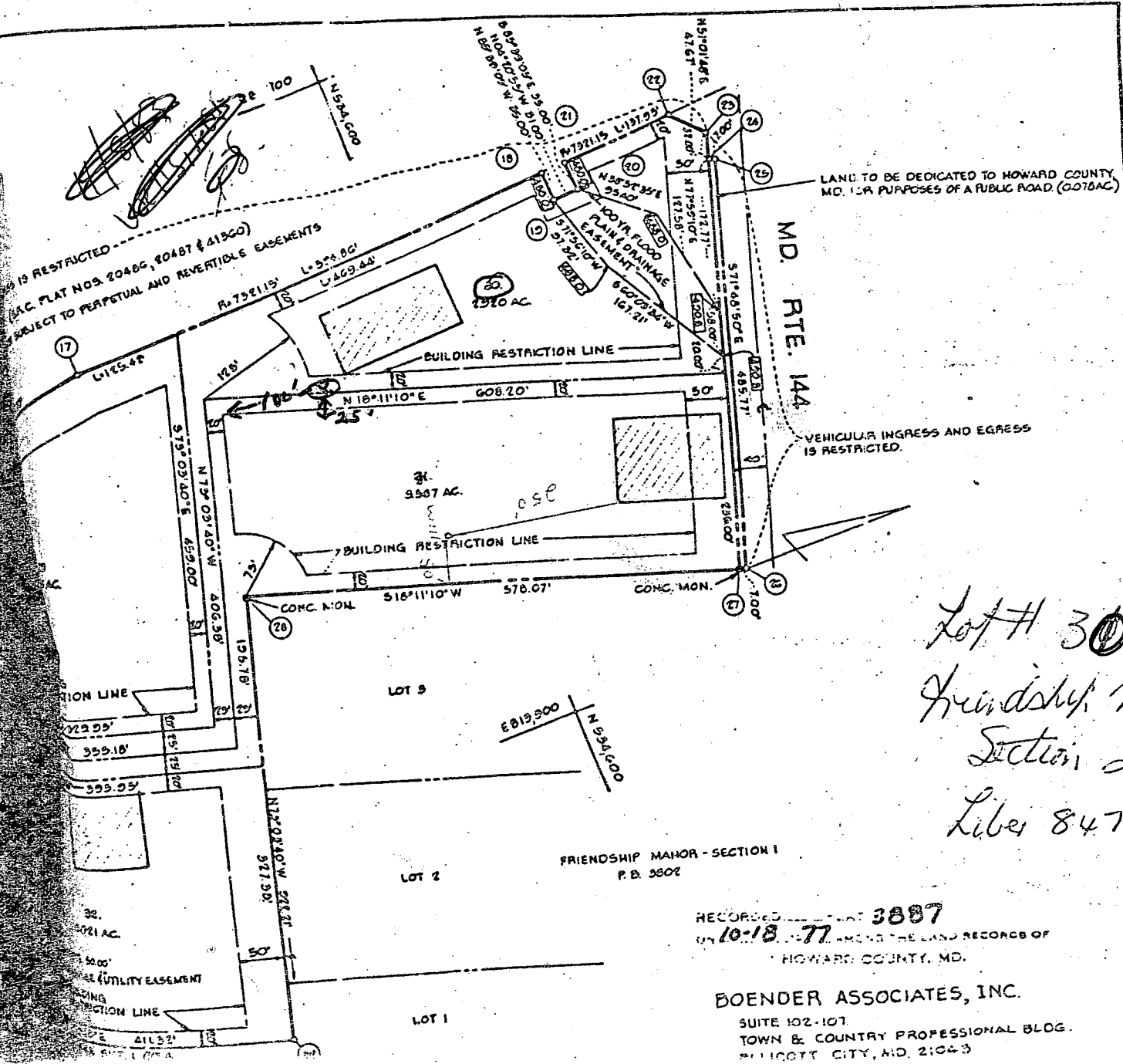
TYPE OF SOIL _____

TESTED BY [Signature] ALSO PRESENT H. Sirk



PLAT REFERENCE "FRIENDSHIP MANOR SECT. 2" PLAT 3887

TITLE PERC CERTIFICATION PLAT					SIGNATURE REG. NO. _____ DATE _____
PROJECT LOT 30 - FRIENDSHIP MANOR					
LOCATION 3 RD ELECTION DISTRICT HOWARD CO., MD.					
FIELD BOOK	PAGE NO.	DRAWN BY D.M.P.	CHECKED BY	DATE FEB., 1984	boender associates inc. consulting engineers land surveyors land planners COURT HOUSE SQUARE • ELLICOTT CITY, MD. 21043 (301) 486-7777
SCALE: 1" = 100'		JOB NO.: 84031			



LAND TO BE DEDICATED TO HOWARD COUNTY, MD. FOR PURPOSES OF A PUBLIC ROAD (0.078 AC)

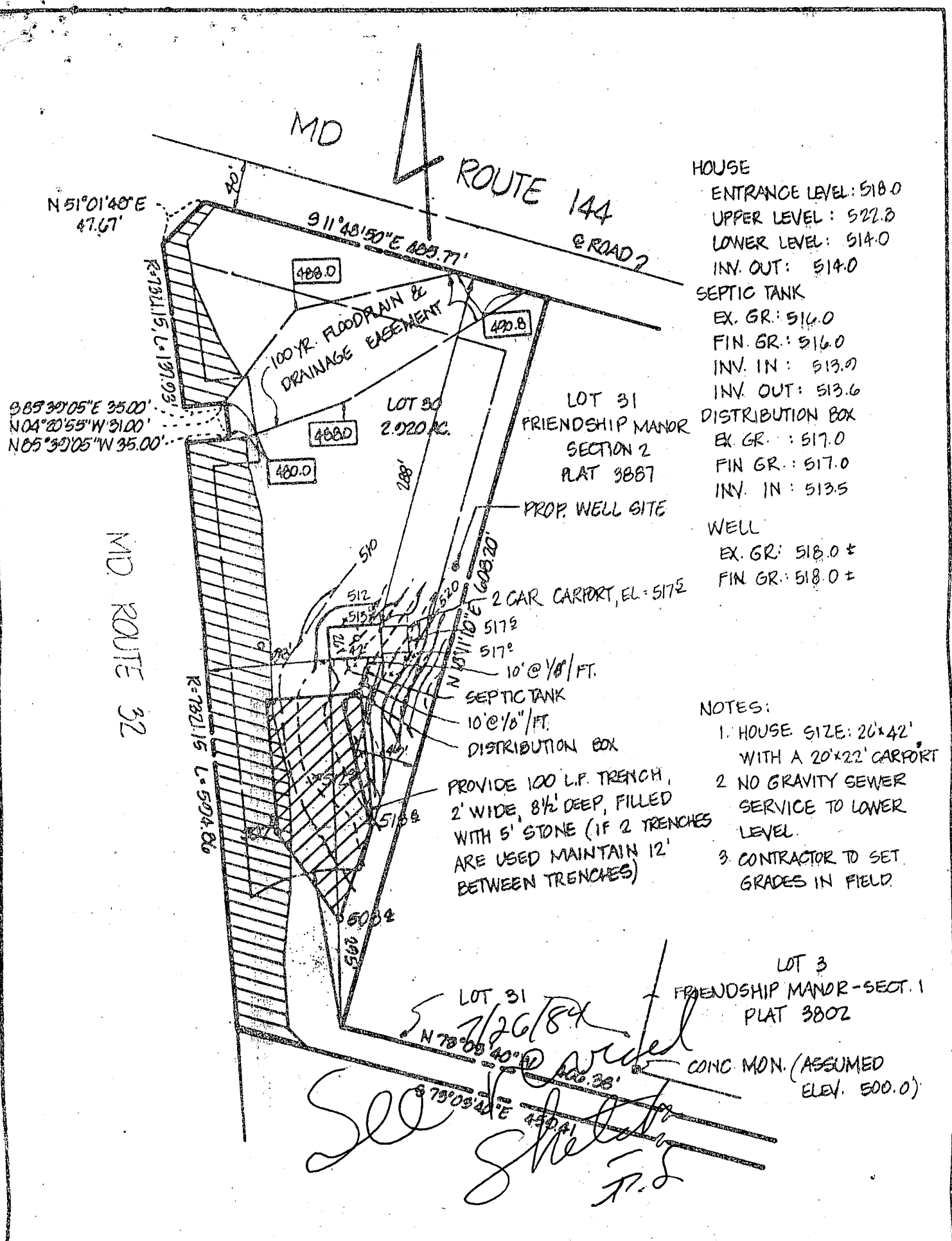
MD. RTE. 144

VEHICULAR INGRESS AND EGRESS IS RESTRICTED.

Lot # 30 LOUVANNE COURT
 Friendship Manor
 Section 2
 Liber 847, Folio 521

RECORDED IN LIBER 847
 PAGE 521

BOENDER ASSOCIATES, INC.
 SUITE 102-107
 TOWN & COUNTRY PROFESSIONAL BLDG.
 BELLGATE CITY, MD. 21043



- HOUSE
 - ENTRANCE LEVEL: 518.0
 - UPPER LEVEL: 522.0
 - LOWER LEVEL: 514.0
 - INV. OUT: 514.0
- SEPTIC TANK
 - EX. GR: 516.0
 - FIN. GR: 516.0
 - INV. IN: 513.0
 - INV. OUT: 513.6
- DISTRIBUTION BOX
 - EX. GR.: 517.0
 - FIN. GR.: 517.0
 - INV. IN: 513.5
- WELL
 - EX. GR: 518.0 ±
 - FIN. GR: 518.0 ±

- NOTES:
1. HOUSE SIZE: 20'x42' WITH A 20'x22' CARPORT
 2. NO GRAVITY SEWER SERVICE TO LOWER LEVEL.
 3. CONTRACTOR TO SET GRADES IN FIELD.

PROVIDE 100 L.F. TRENCH, 2' WIDE, 8 1/2' DEEP, FILLED WITH 5' STONE (IF 2 TRENCHES ARE USED MAINTAIN 12' BETWEEN TRENCHES)

LOT 3
FRIENDSHIP MANOR-SECT. 1
PLAT 3802
CONC. MON. (ASSUMED ELEV. 500.0)

See sheet 7.2
7/26/84
7.2

PLAT REFERENCE "FRIENDSHIP MANOR-SECT. 2" - PLAT 3887

TITLE: GRADING STUDY				
PROJECT: LOT 30 - FRIENDSHIP MANOR SECT. 2				
LOCATION: 3 RD. ELECTION DISTRICT: HOWARD CO., MD				
FIELD BOOK	PAGE NO	DRAWN BY:	CHECKED BY	DATE:
		D.M.P.		FEB., 1984
SCALE: 1" = 100'		JOB NO.: 84031		
<i>Raticone</i>				

SIGNATURE _____
REG. NO _____ DATE _____

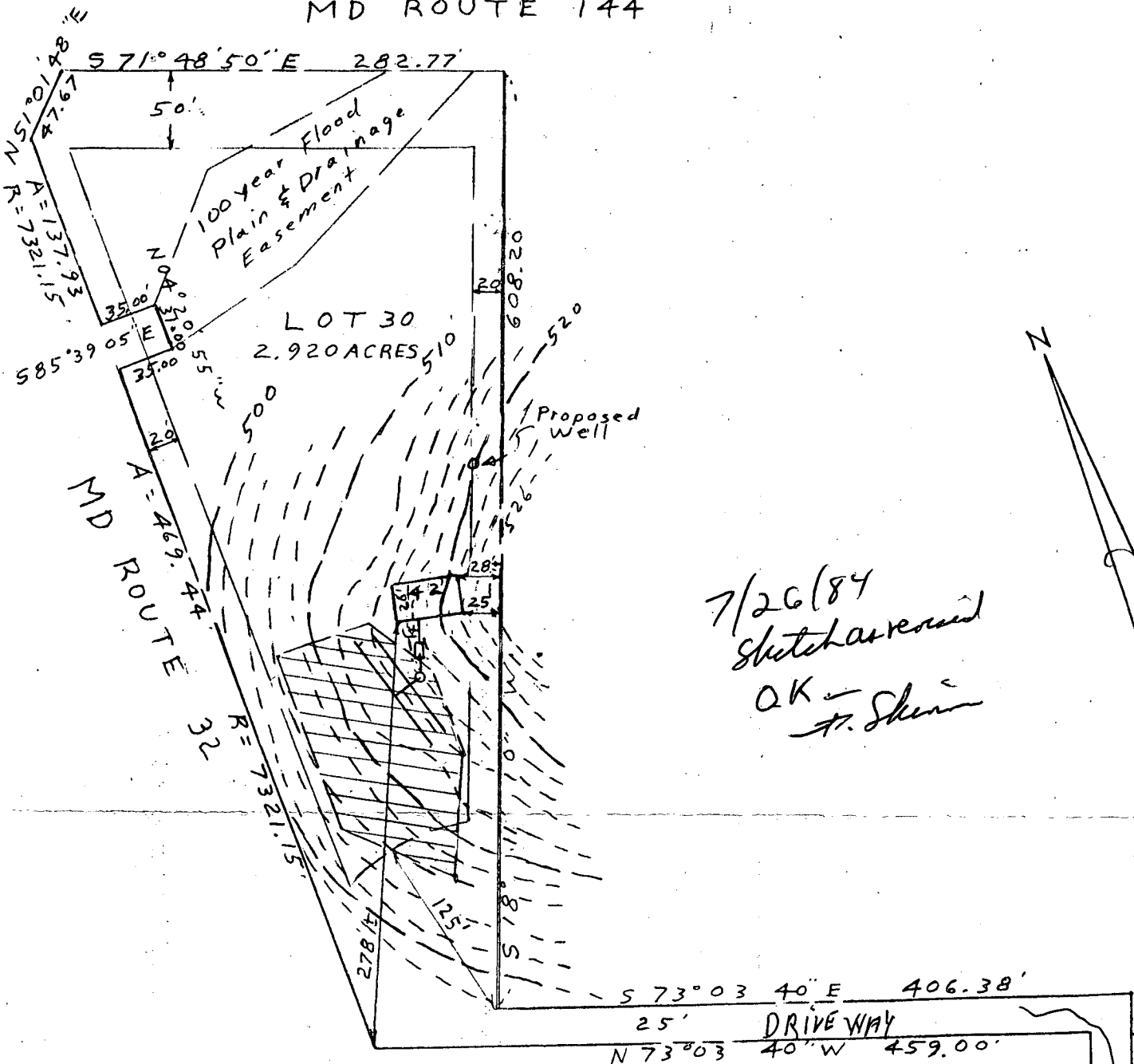
boender associates
inc.
consulting engineers
land surveyors
land planners
COURT HOUSE SQUARE • ELLICOTT CITY, MD. 21043
(301) 485-7777

William E. Doyle

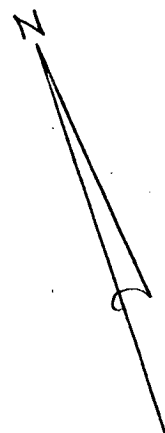
LAND SURVEYOR 5440

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210

MD ROUTE 144



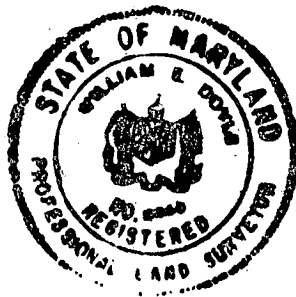
7/26/84
Sketch as revised
OK -
H. Shuman



EXIST. GRN. AT DISTR. BOX	516.00	<u>PLOT PLAN</u>
INV. IN DISTR. BOX	512.50	LOT 30 LOUANNE COURT
INV. OUT. OF SEPTIC TANK	512.70	FRIENDSHIP MANOR SEC. 2
INV. INTO SEPTIC TANK	513.20	SHEET 2 OF 4, PLAT 3887
INV. OUT. OF DWELLING	513.18	ELECTION DISTRICT 3
FIRST FLOOR ENTR. ELEV.	519.00	HOWARD COUNTY MD.
CELLAR ELEV.	515.00	SCALE: 1" = 100'
WELL ELEV.	520.00	DRAWN: JULY 21, 1984
NO. OF BEDROOMS	3	
ACREAGE	2.920 ACRES	

N 16° 56' 20" E 329.93
 DRIVE WAY
 S 16° 56' 20" W 355.18

PR = 50.00
 TR = 25.26
 LOUANNE COURT



I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.

signed William E. Doyle

WELL PUMP INSPECTION

Owner's Name:

Address:

Location of Property:

Well Tag Number;

H081-0440

Plumber or Certified Pump Installer:

CARROLL WATER SYSTEMS, INC

Phone Number: 795-5715

License Number: P.I No. 074

Receipt Number:

Date:

Comments:

Inspection: 11/1/84 - Pump, Pitless & lines installed 4 1/2 ft below grade. P.R.V. installed on tank line inside house. Inspection complete.

Date Well Pump Inspection was approved: 11/1/84

Inspector: Stayer

C1 **4514** SEQUENCE NO. (OEP USE ONLY)
 (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 **A33585**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **052184** Depth of Well **225** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-0440**

OWNER **Ratican Kathleen** last name first name
 STREET OR RFD **Louanne Court** TOWN **West Friendship**
 SUBDIVISION **Friendship Manor** SECTION **2** LOT **30**

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		Check if water bearing
	FROM	TO	
<i>Brown shale</i>	0	48	
<i>Gray mica rock</i>	48	225	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **12** NO. OF POUNDS **1128**
 GALLONS OF WATER **72**
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **45** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST CO PL OT
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter **6** inch Total depth of main casing **52** (nearest foot)

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
 STEEL BRASS OPEN HOLE PLASTIC OTHER

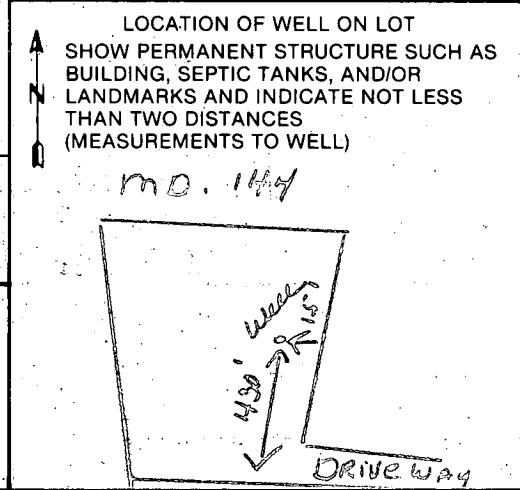
C2
 DEPTH (nearest ft.)
 E A C H S C R E E N
 1 **H0** **50** **225**
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) [] [] [] [] [] []

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

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **4**
 METHOD USED TO MEASURE PUMPING RATE **bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **15** WHEN PUMPING **130**
 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 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) **2** }
- below }



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

SITE INSPECTION SHEET

OWNER: THOMAS RATICAN

DATE REQUESTED: 10/24/90

PHONE #: 2

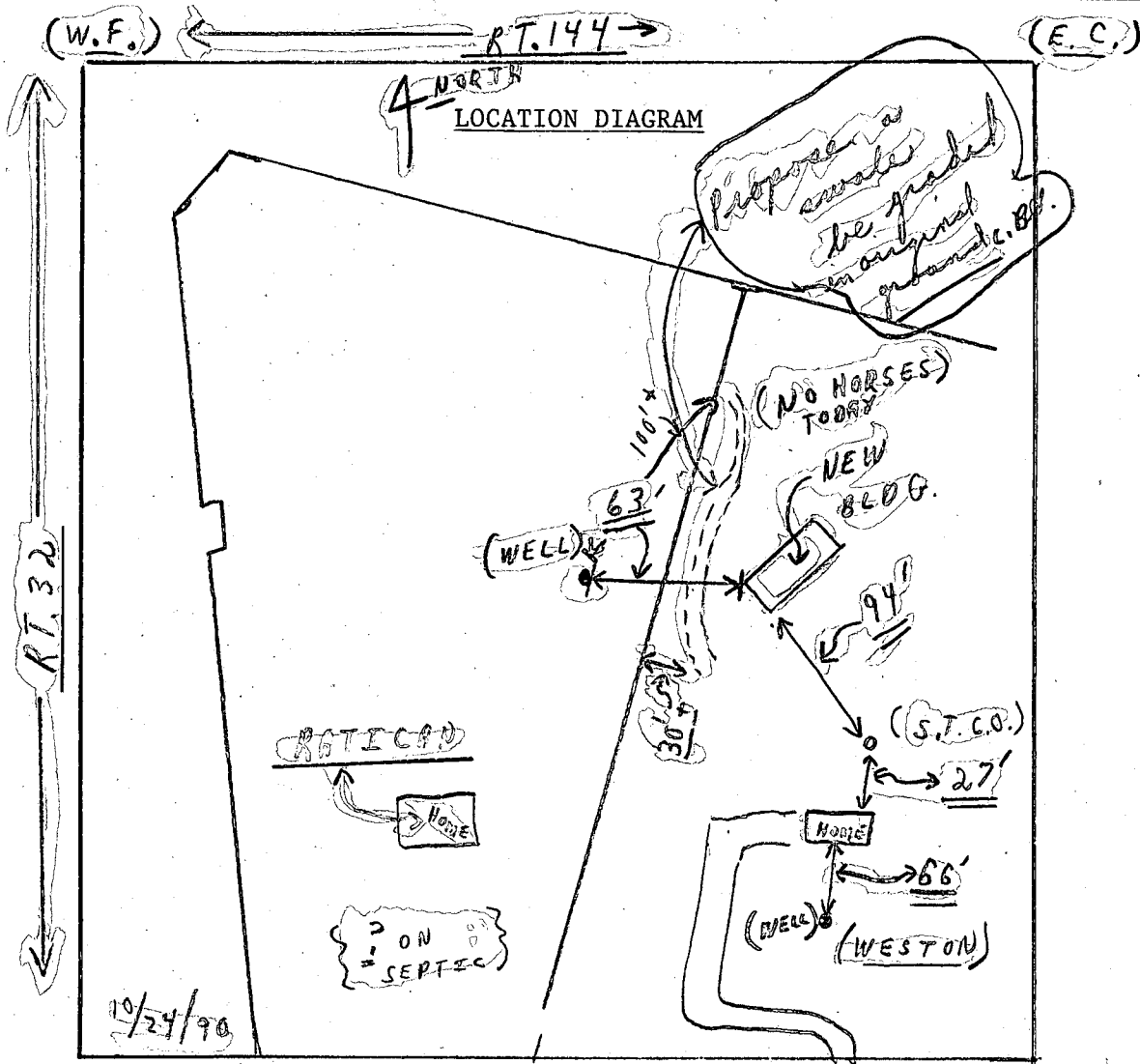
CONTRACTOR: _____

ADDRESS: 2615 LOUANNE CT
W FASHP

WELL TAG #: HO-81-0440

COUNTY #: A33585

PROPOSAL: MR RATICAN IS CONCERNED ABOUT RISK TO HIS WELL AS A CONSEQUENCE OF ANIMAL SHEDDEN (HORSE BARN) BUILT BY HIS NEIGHBOR (WESTON - 2607 LOUANNE CT.)



COMMENTS: 10/24/90. NO HORSES ON SITE, BUILDING STILL UNDER CONSTRUCTION; SEE ABOVE PLEASE.

Recommend a swale on Mr. Weston's property to be graded to direct surface run off away from

DATE: 10/24/90

INSPECTOR: Charles Bryan Check

water well of RATICAN. c.B.d.