

11/18/97
a.m.
11/21
WPI
Harley

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59206
A 50853-B

DISTRICT 5th

DATE 11/7/97

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 11-18-97

INDEXED

INSPECTOR ALM

Olen Ketterman IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Route 144 Woodbine, Maryland 21797 PHONE (410) 442-1336

SUBDIVISION Davis Property LOT Parcel 2A ROAD 12850 Highland Road

PROPERTY OWNER Selfridge Builders

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 7½ feet below original grade. Effective area begins at 3½ feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the intersection of the 176.38' and 400.00' lot lines, place the distribution box 30 feet down the 400.00' lot line and 80 feet off the same lot line. Run trenches on contour in both directions. MAINTAIN A MINIMUM OF 100 FEET FROM THE WELL TO ALL PARTS OF THE SEPTIC SYSTEM.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 9/26/97*

PLANS APPROVED BY Mark Rifkin DATE 09/26/97

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

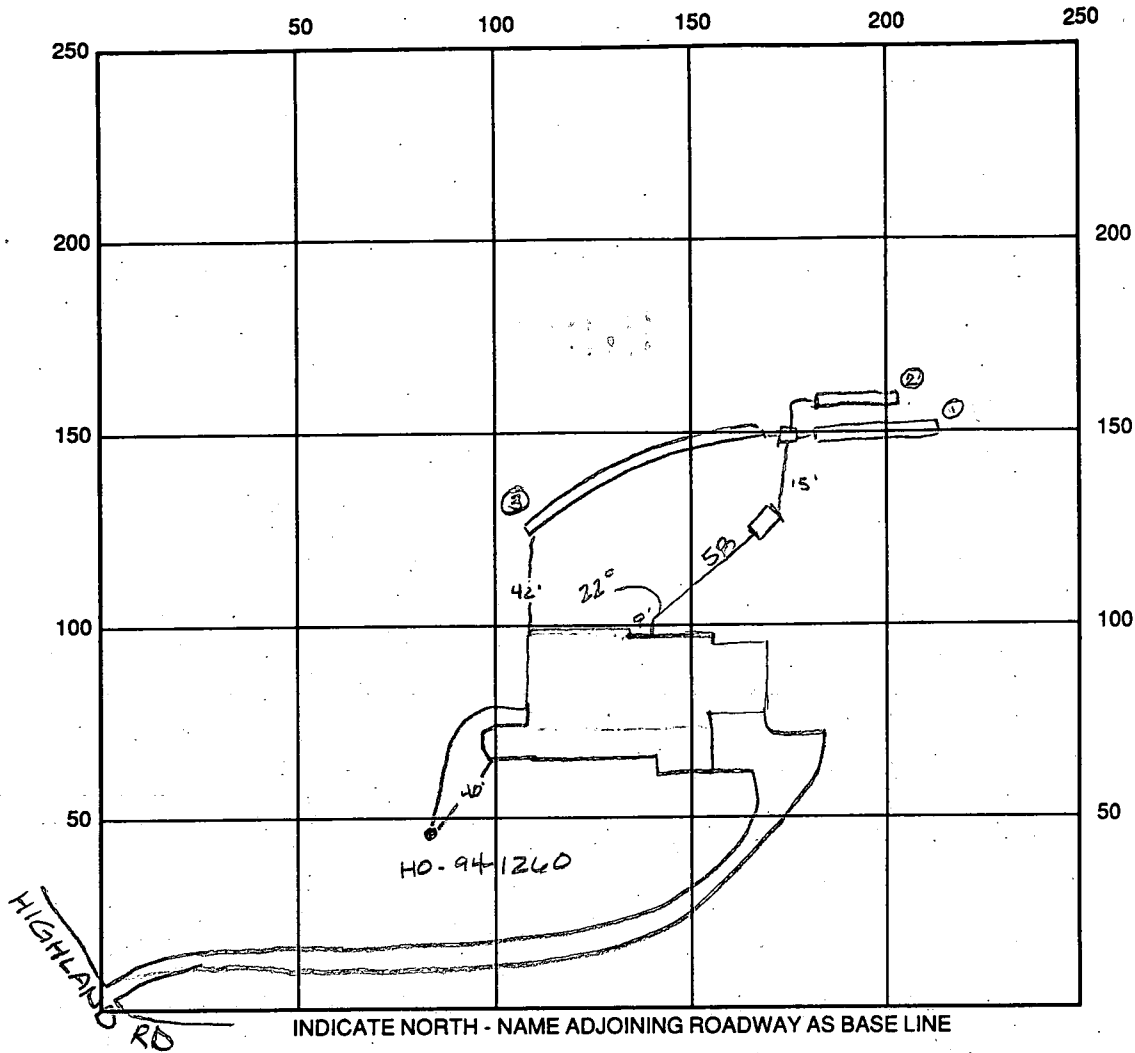
PERMIT VOID AFTER TWO YEARS

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 50853 B



SEPTIC TANK LEVEL OK 12.50 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH ① 7-8' ② 7-8' ③ 7.0 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH ① 3-4' ② 3-4' ③ 4.0 FT.

EFFECTIVE GRAVEL DEPTH 4.0 FT. TOTAL LENGTH ① 58' ② 30' ③ 102 FT. = 190

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 760 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 11/17/97 1st/2nd trench not on contour - installed at correct depth at beginning of trench - deeper at end to compensate for irregular topo - OK due to known good soil depths - OK to cover trench #1 & house to ST. ALM 11/18/97 OK to cover all work final ALM

11/21/97 WPE - OK to cover, P.A. 4.0' below grade, casing 1.5' above grade has 2 piece cap, cap needs to be securely fastened (km)

DATE SYSTEM APPROVED 11-18-97 INSPECTOR A McMullen

APPLICATION

PERCOLATION TESTING

A 50853B
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____
DATE 9-1-95

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Fred E. and Hazel S. Davis Selfridge Builders

ADDRESS 12812 Highland Rd, Highland 20777 PHONE 301-854-243

AGENT OR PROSPECTIVE BUYER Fred E. Davis

ADDRESS (as above) PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 2-A

ROAD AND DESCRIPTION 12850 Highland Rd -- 200 feet W of Rt 108

TAX MAP 40 PARCEL # 46

SIZE OF LOT 3ac. TYPE BLDG. Single Family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 9-26-97
Serial # 210107586-4Bim

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 _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING HOLD FOR PLAT - PERC OR MR 10/23/95

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

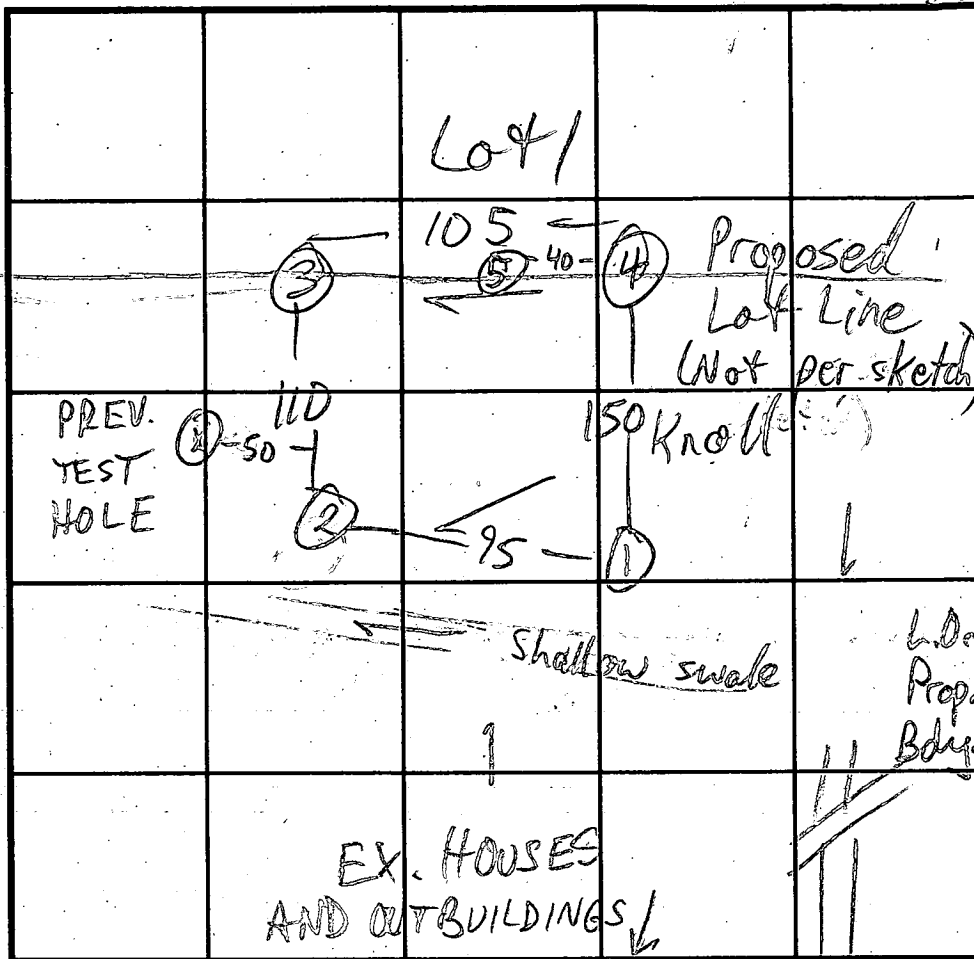
THIS IS NOT A PERMIT

A50853B Lot 2
COUNTY #

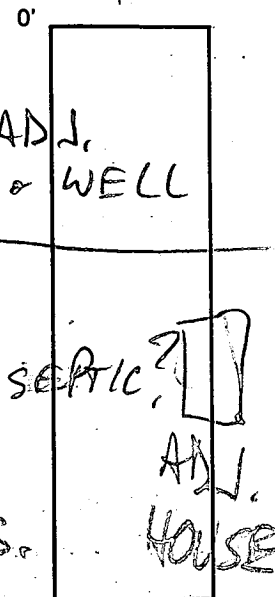
SOIL PROFILE
0' ALL HOLES

large
brn sa
cl lm
tan beige
sa lm
10%
frags
w/ a few
whi patches
(soapstone?)

2 1/2
3
11 1/2
12



SOIL PROFILE



HIGHLAND RID

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/18/95	1 S	5'9"	10:32	10:34	10:34	10:37	3 REDIG	
	1 M	9	10:36	SLOW	DIRT FELL IN?			
	1 V	11 1/2	10:51	10:53	10:53	10:55	2	
	2 S	4 1/2	10:40	10:43	10:43	10:46	3	
	2 V	12						
	3 S	4'9"	10:57	11:00	11:00	11:02	FAST 2	
	3 V	12						
	4 S	5	11:04	11:05	11:05	11:07	2	
	4 V	11 1/2						
10/18/95	5 V	8	XTRA HOLE NOT TESTED - OK					
10/2/95	PREV. HOLE	?	H ₂ O @ 10' PER CONTRACTOR					

REMARKS HOLES NOT PER SKETCH PLAN

TYPE OF SOIL

TESTED BY M. Ripkin

ALSO PRESENT C. Cissel, owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

2

TRENCH WIDTH

2

INLET DEPTH

3

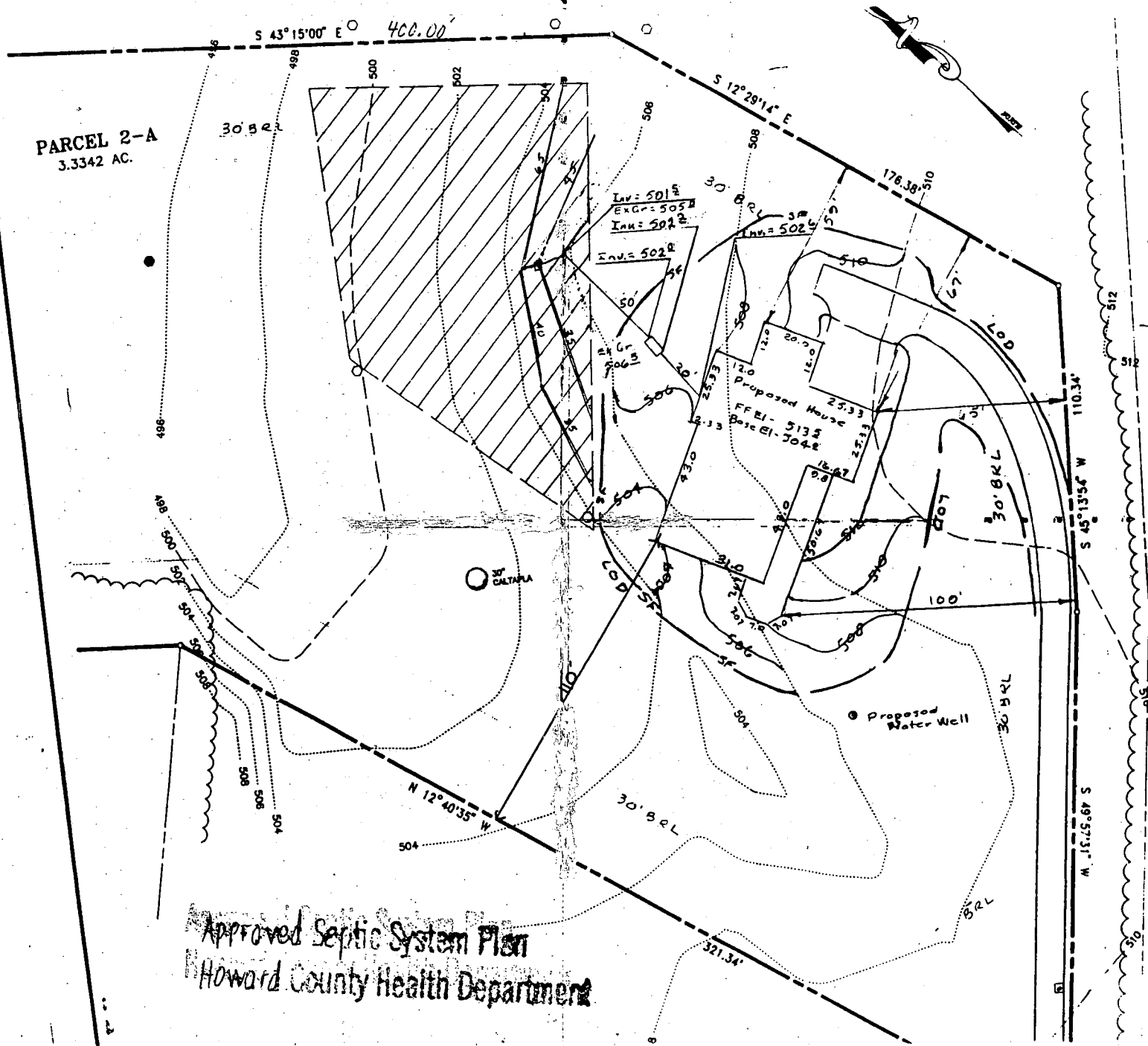
MAXIMUM BOTTOM DEPTH

7

SQ. FT./BEDROOM

180

PARCEL 2-A
3.3342 AC.



PLAN by
Jack Clark
7/97

1:50

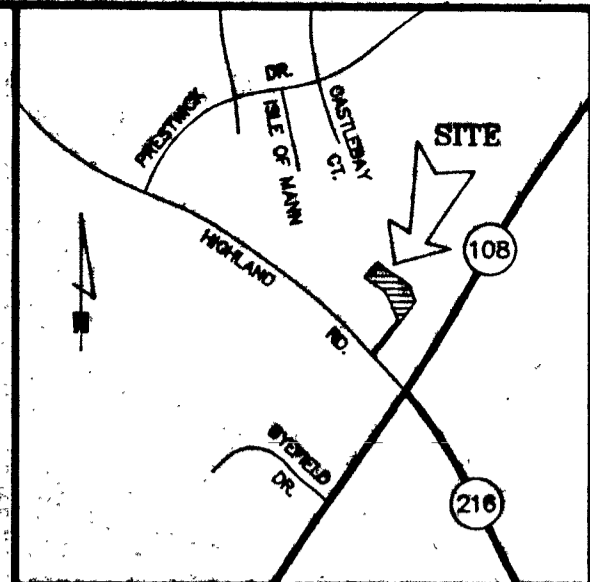
Notes:
1.
A.

Approved Septic System Plan
Howard County Health Department

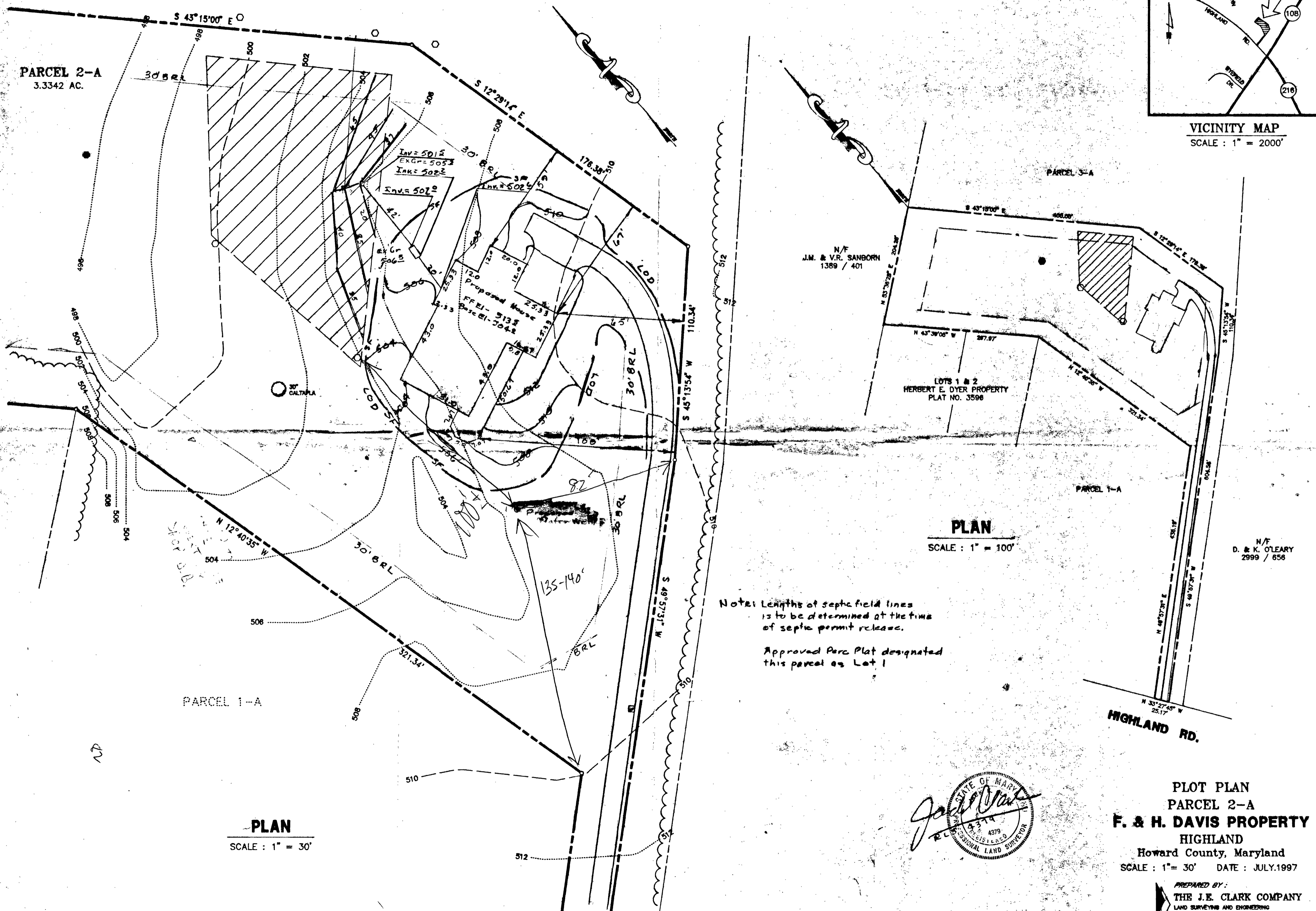
Mark E. Ruffin 9/6/97
Signature Date

PARCEL 3-A

PARCEL 2-A
3.3342 AC.



VICINITY MAP
SCALE: 1" = 2000'

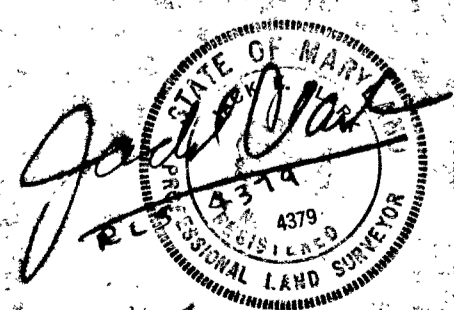


PLAN
SCALE: 1" = 30'

PLAN
SCALE: 1" = 100'

Note: Lengths of septic field lines
is to be determined at the time
of septic permit release.

Approved Perc Plat designated
this parcel as Lot 1



PLOT PLAN
PARCEL 2-A
F. & H. DAVIS PROPERTY
HIGHLAND
Howard County, Maryland
SCALE: 1" = 30' DATE: JULY, 1997

PREPARED BY:
THE J.E. CLARK COMPANY
LAND SURVEYING AND ENGINEERING
P.O. BOX 147 LAUREL, MARYLAND 20728
(301) 728-3442

B 1 **8T91** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL please print or type STATE PERMIT NUMBER **HD-94-1260**
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) **0810697**
SELFRIDGE BUILDERS
 15 Last Name Owner First Name 34
14045 GARED DR
 36 Street or RFD 55
6 LEMWOOD **MD 21238**
 57 Town 70 State 72 Zip 76

DRILLER INFORMATION CIRCLE MSD/MGD/MWD
 Driller's Name **Ralph Mayne** 77 License No. **116**
 Firm Name **Ralph Mayne Well Drilling**
 Address **9120 Brown Church Rd. Mt. Airy**
 Signature **Ralph Mayne** Date **8/16/98**

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

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

APPROXIMATE DEPTH OF WELL **150** FEET
 APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

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)
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 D 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 (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER _____
 FORCE **MIR** WRITE INITIALS IN BOX PERMIT No. **HD-94-1260**

SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

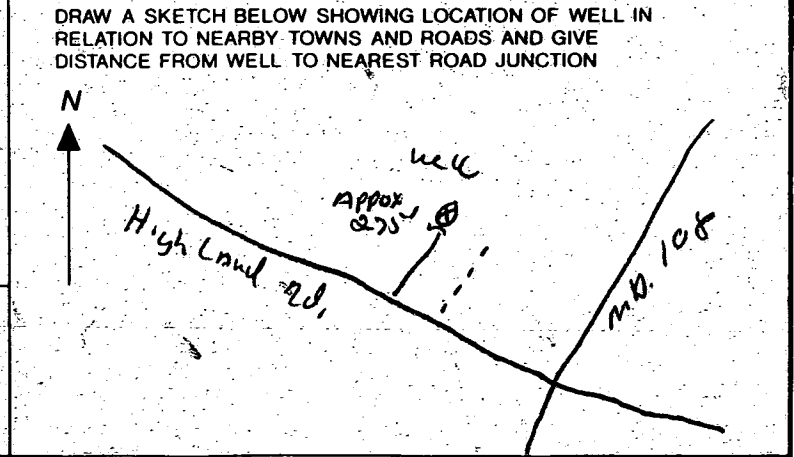
LOCATION OF WELL
HOWARD COUNTY
FEL DAVIS PROPERTY
 23 SUBDIVISION **Parcel 2A**
 SECTION _____ LOT _____
HIGHLAND NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **0** MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 NEAR WHAT ROAD **Highland Rd**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 WEST EAST
 DISTANCE FROM ROAD **275** FT
 ENTER FT OR MI **FT**
 TAX MAP: **40** BLK: **4** PARCEL **46**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 Howard COUNTY NAME A50853B COUNTY NO.
 STATE SIGNATURE _____ DATE ISSUED **081397** INSERT S
Mark E. Kiffin 8/13/98
 NORTH GRID **491000** EAST GRID **0812000**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. well
 2. **9.30 GROUT**
 3. **26 INSD**
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **8122**
 N **4901**



C1 9546 SEQUENCE NO. (MDE 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 COCS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A50853 B

ST/CO. USE ONLY DATE Received

DATE WELL COMPLETED 09/09/97

Depth of Well 185 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1260

OWNER Selfridge last name Bldrs first name Highland Rd TOWN Highland SUBDIVISION F & H Davis Prop SECTION LOT

WELL LOG Not required for driven wells

GROUTING RECORD (Y) (N)

C 3

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

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC)

PUMPING TEST HOURS PUMPED (nearest hour) 3

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone, MICKA Sand Stone, MICKA.

NO. OF BAGS 16 NO. OF POUNDS 1800 GALLONS OF WATER 5 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft to 30 ft

PUMPING RATE (gal. per min.) 100 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 18 ft WHEN PUMPING 90 ft

CASING RECORD (ST) (CO) (PL) (OT)

TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (J) jet (S) submersible

MAIN CASING TYPE (PL) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 50

PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED, FOR ALL WELLS

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

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

SCREEN RECORD (ST) (BR) (HO) (PL) (OT)

CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED: (Y) (N)

C 2 DEPTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE (nearest foot)

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

DEPTH (nearest ft.) 110 48 185

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

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

Diagram showing well location on lot with measurements to Prop Line and Road.

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 116

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) W Q

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. MSD 117

TELESCOPE CASING LOG INDICATOR OTHER DATA

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