

7/20/93  
3134  
200  
Twp ID - 05-41368  
**PERMIT**

**SEWAGE DISPOSAL SYSTEM**

**DEPARTMENT OF HEALTH AND MENTAL HYGIENE**

P 49363

A 45180

DISTRICT 5th

DATE 6/23/93

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

**INDEXED**

DATE SYSTEM APPROVED 6/28/93

INSPECTOR RH

C. C. Cissel IS PERMITTED TO INSTALL  ALTER

ADDRESS 14079 Brighton Dam Road, Clarksville, Maryland 21029 PHONE 854-2006

SUBDIVISION Mat Pet Estates LOT 4 ROAD 13037 Hall Shop Road

PROPERTY OWNER Robert and Dawn Pettit

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS 5 Bedrooms 6 Bedrooms  
1500 gallons 1750 gallons

NUMBER OF BEDROOMS 4

180 SQUARE-FOOT PER BEDROOM 180 sq. ft. 180 sq. ft.

LINEAR FEET OF TRENCH REQUIRED 208 260 linear feet 312 linear feet

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum 3.5 depth 8 feet below original grade. Effective area begins at 4.5 feet below original grade! 3.5 feet of stone below distribution pipe. 3.5

LOCATION - Starting at the right rear lot corner as seen when facing the lot from Hall Shop Road, place the distribution box 235 feet down the rear lot line (1120') and 65 feet off the same lot line. Run trenches on contour toward both the rear lot line (1120') and right (659') lot lines. MAINTAIN 100 FEET FROM THE WELL.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 2/19/92 RH

OK TO HAVE INLET 3 1/2 FT DEEP 4 1/2 FT STONE

PLANS APPROVED BY Ray Hodges/Mark Rifkin/Jane Nadeau REVISED DATE 2/06/92

COVER NO WORK UNTIL INSPECTED AND APPROVED OBSERVED SOIL IN TRENCH

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM OK TO RAISE INLET & MAKE STONE DEEPER

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. 6/25/93 RH

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

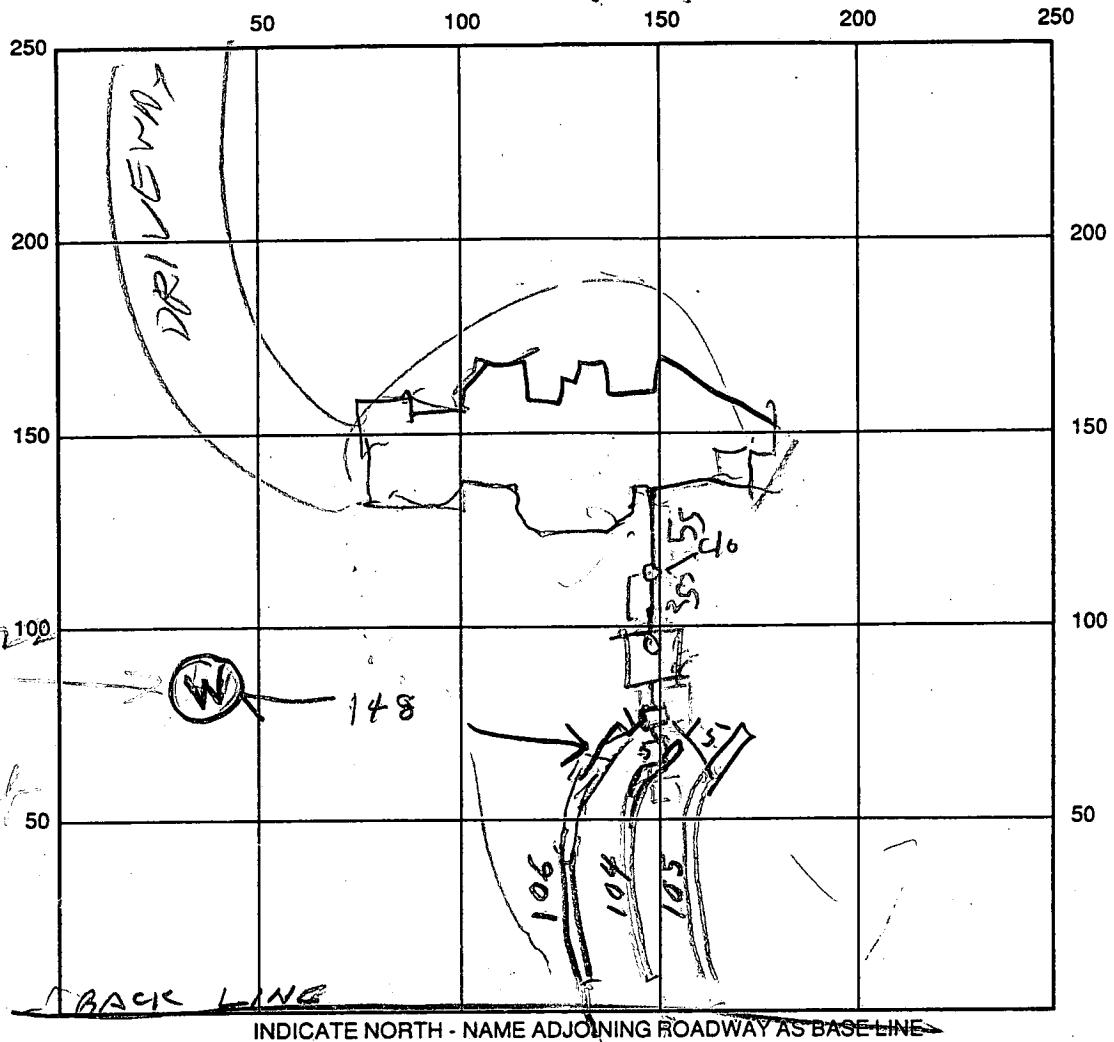
PERMIT VOID AFTER TWO YEARS

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 45-180



SEPTIC TANK LEVEL 2000 CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 18 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4.5 FT. TOTAL LENGTH 

#1	#2	#3
106	104	105

315

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

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 6/25/93 FINISH TRENCHES & CALL  
6/28/93 - TRENCHES FINISHED & TANK  
& BOX CONNECTED RH

DATE SYSTEM APPROVED 6/28/93 INSPECTOR Raymond Hodges

# APPLICATION

PERCOLATION TESTING

A 45180  
P \_\_\_\_\_

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

PREVIEW OK.  
(PREVIOUS TEST A43484)  
NOT ACCEPTABLE  
200' TO STAGM.

DISTRICT Fifth  
DATE 11/03/89  
10/10/89

PERC DATE + DESIGN CHANGE DISCUSSED WITH WAYNE WELLEN,  
WILL MOVE LOT LINE AND SEPTIC AREA  
UPHILL TO PROVIDE WELL SITE AND 200' SEPTIC-STAGM SEPARATION  
Cwell-

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 ~~Walter Matzen et al~~ Robert and Dawn Petit - 236-4999

ADDRESS 10415 47th Avenue Beltsville PHONE ~~937-4730~~  
20705

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION Mat-Pet Estates LOT NO. 2  
13037

ROAD AND DESCRIPTION Intersection of Hall Shop Road & MD. Route 108  
Southeasterly Side

TAX MAP 40 PARCEL # 93

SIZE OF LOT 23 Ac ± TYPE BLDG. SINGLE FAMILY  
(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] 10/10/89  
(SIGNATURE OF APPLICANT)

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

REJECTED BY \_\_\_\_\_ FOR BLDG. PERMIT SIGNED DATE \_\_\_\_\_  
AND RETURNED 11/12  
Build # 40976 - SPD - 4 Burn

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

REASONS FOR REJECTION OR HOLDING 11-15-89 Pending perc hole locations and plat  
approval. Swale may be too deep to use a deep system successfully. AEN  
Septic installed before Building Permit Issuance (SEA)  
6-13-90

# THIS IS NOT A PERMIT

HD-216

Lot 2

A 45180

①③  
SOIL PROFILE

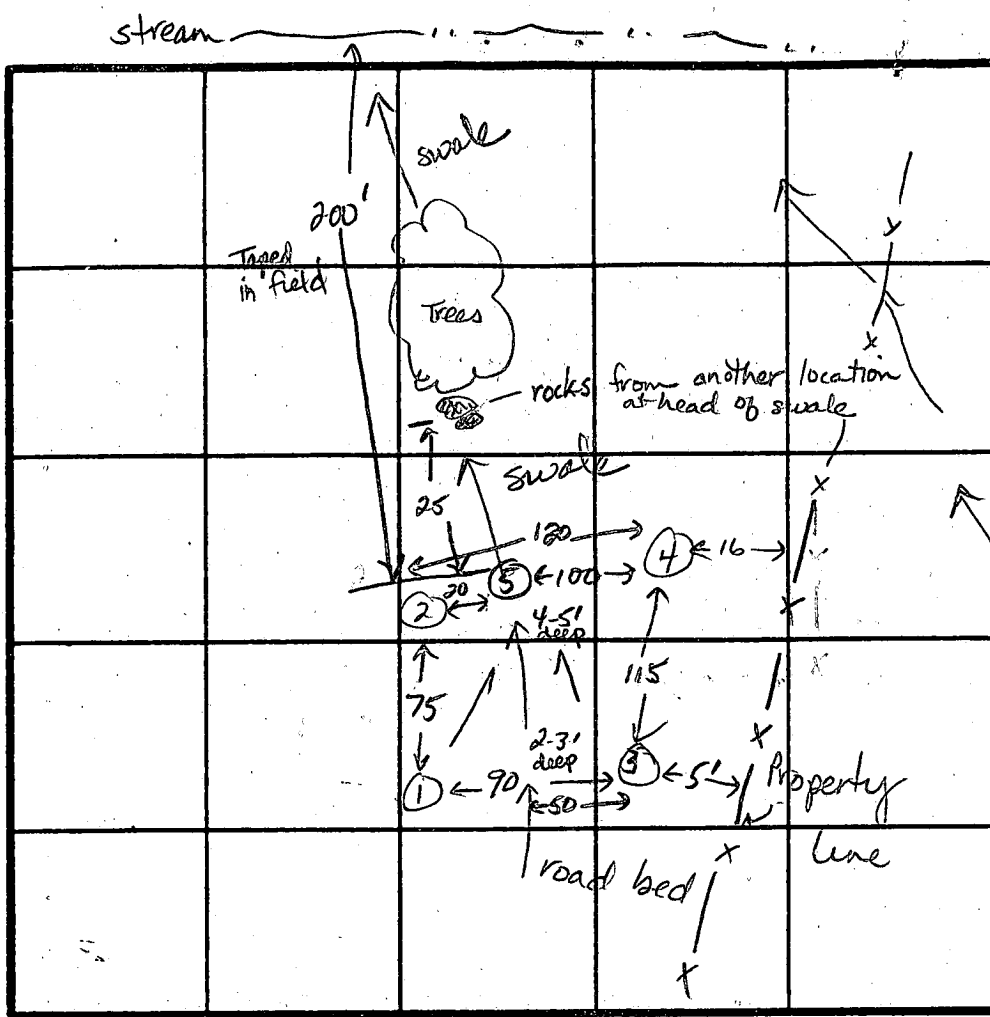
0-4.0 Br cl sil m  
4-15.0 Br mica  
cl sa sil  
1m  
15.0 Bottom

②⑤

0-5.0 Rd br  
mica sil cl  
loam  
5.0-13.0 Rd mica  
sa sil lm,  
L 25%  
Saprolite  
13.0 Bottom

④

0-4.0 Br sil cl  
1m  
4-13.5 Rd-br  
mica sa  
sil lm,  
L 10%  
Saprolite,  
4-11.0 little rock  
vein, slight  
structure  
at 11.0 ft  
13.5 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

← To Hall Shop Rd

$\bar{x} = 4$  min  
180 sq ft / bottom  
Inlet = 3.5 ft  
Bottom = 7.0 ft

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-15-89	1	4.5 S	10:37	10:38	10:38	10:41	3 min
		8.5 M	10:38	10:40	10:40	10:42	2 min
	2	15.0 D	Bottom				ok
		4.0 S	10:43	10:44	10:44	10:46	2 min
	2	13.0 D	Bottom				ok
		15.0 S	10:48	10:52	10:52	11:00	8 min
	4	13.5 D	Bottom	(L 10% rx)			ok
		13.5 V	similar to #1	clay to	3.5 ft	ok	
	5	13.0 V	clay to	3.5 ft	similar to #2	ok	

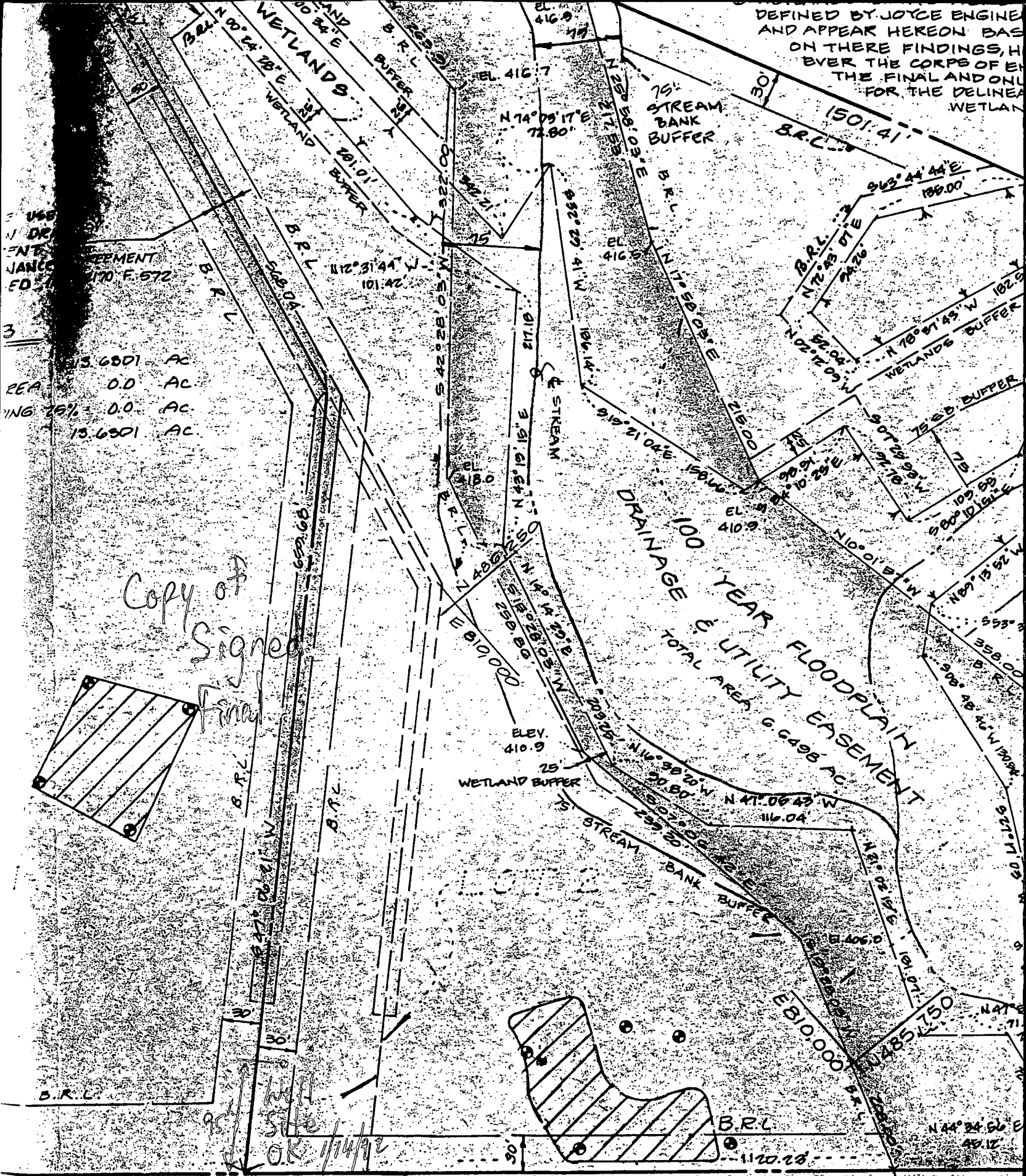
REMARKS Do not write specs until depth of swale is verified.  
Road bed & swale may impact on construction of trenches.

TYPE OF SOIL 0-4 Rd-br sil cl 1m, 4-13 Rd-mica sa sil lm L 10% rx

TESTED BY J. Madean ALSO PRESENT Fyock and Owner

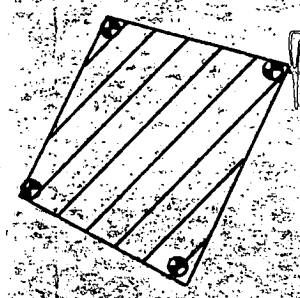


DEFINED BY JOYCE ENGINE  
AND APPEAR HEREON BASED  
ON THEIR FINDINGS, HOWEVER  
EVER THE CORPS OF ENGINEERS  
THE FINAL AND ONLY AUTHORITY  
FOR THE DELINEATION OF THE  
WETLAND



3  
 13.6801 AC  
 REA 0.0 AC  
 13.6801 AC

Copy of Signed from



Well site  
O.K. 1/14/82

49° 31' 57" W  
**OWNERS DEDICATION**

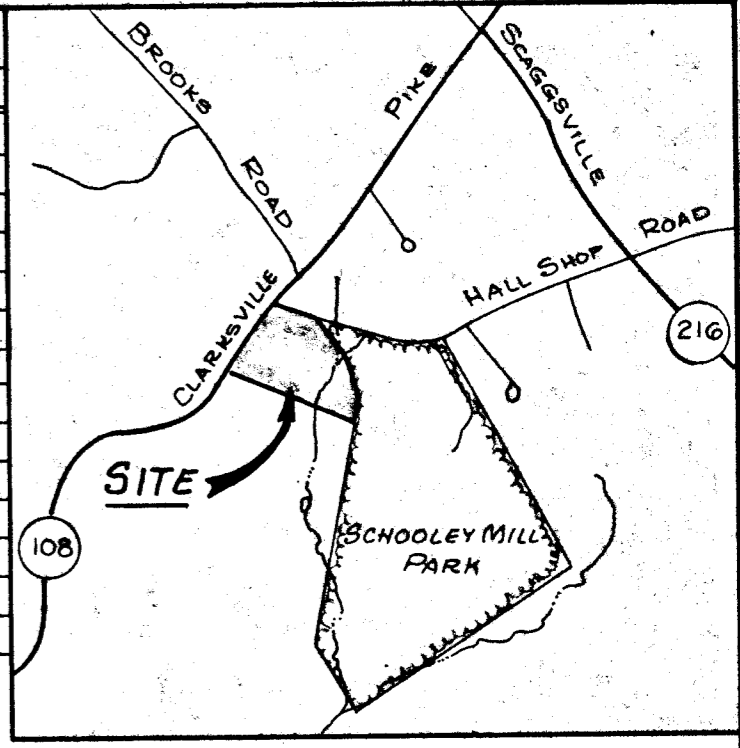
WARREN MATZEN, HELEN MATZEN, DAWN PETTIT, ROBERT PETTIT, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED IN THE SURVEYOR'S CERTIFICATE DO HEREBY THIS PLAN OF SUBDIVISION AND IN CONSIDERATION OF THE FINAL OF THIS FINAL PLAT BY THE DEPT. OF PLANNING AND

ROYD O. SMITH  
 E. 471 E 451  
 EL 409.0

**SURVEYORS CERTIFICATE**

I HEREBY CERTIFY THAT THE FINAL SHOWN HEREON IS CORRECT THAT IT IS A SUBDIVISION

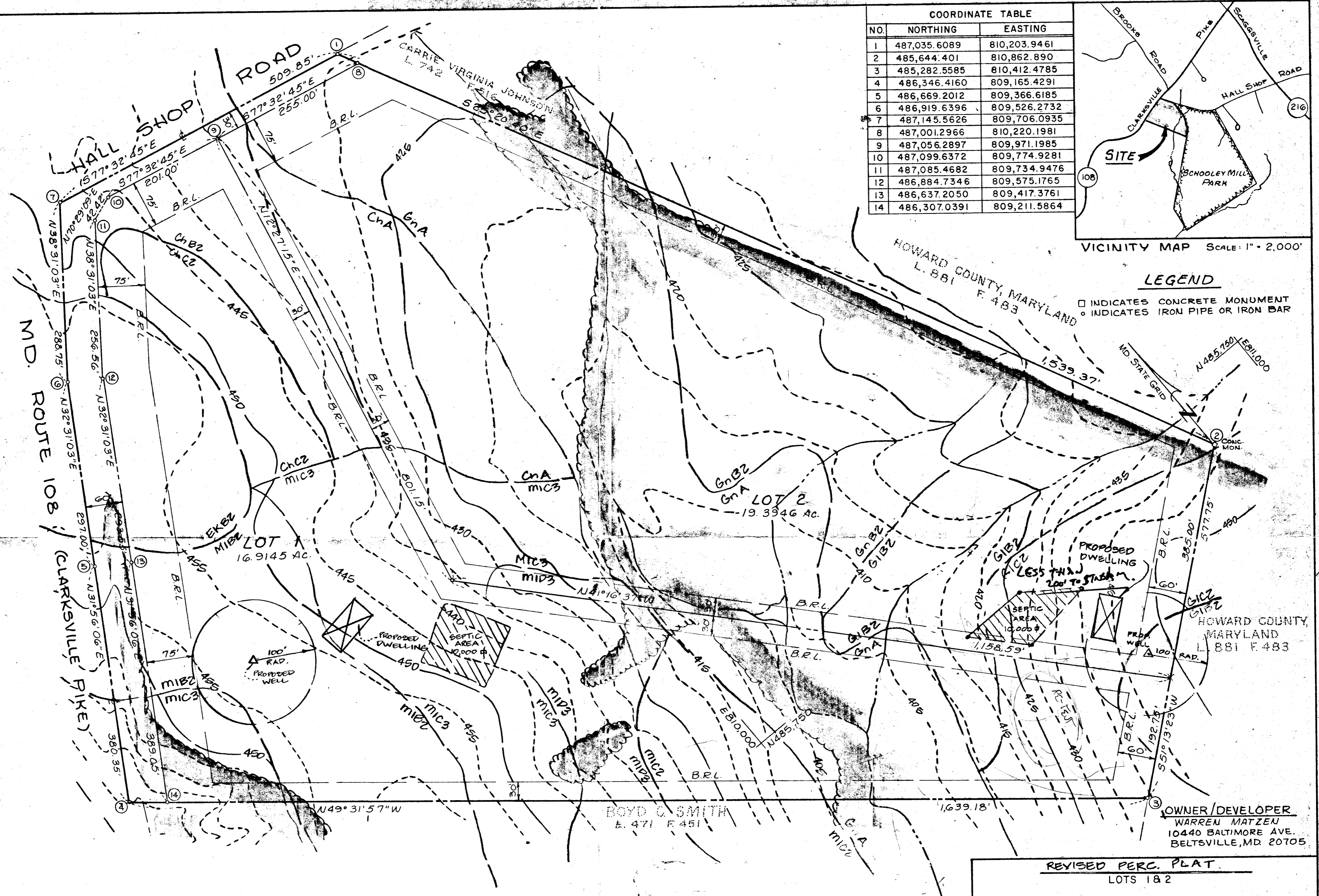
COORDINATE TABLE		
NO.	NORTHING	EASTING
1	487,035.6089	810,203.9461
2	485,644.401	810,862.890
3	485,282.5585	810,412.4785
4	486,346.4160	809,165.4291
5	486,669.2012	809,366.6185
6	486,919.6396	809,526.2732
7	487,145.5626	809,706.0935
8	487,001.2966	810,220.1981
9	487,056.2897	809,971.1985
10	487,099.6372	809,774.9281
11	487,085.4682	809,734.9476
12	486,884.7346	809,575.1765
13	486,637.2050	809,417.3761
14	486,307.0391	809,211.5864



VICINITY MAP SCALE: 1" = 2,000'

**LEGEND**

□ INDICATES CONCRETE MONUMENT  
 ○ INDICATES IRON PIPE OR IRON BAR



NOTES  
 1) SOIL TYPES SHOWN HEREON ARE AS PER THE JULY, 1968 SOIL SURVEY OF HOWARD COUNTY. PROPERTY SHOWN HEREON IS LOCATED ON PAGE 20 OF SAID SURVEY.

THIS PRINT

FEB 02 1989

MADE



REV. 2-2-89

REVISED PERC. PLAT  
 LOTS 1 & 2

**HALL SHOP ESTATES**

TAX MAP 40, PARCEL 43  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 100' DATE: DECEMBER, 1988 SHEET 1 OF 1

**KIDDE CONSULTANTS, INC.**  
 1100 WEST STREET SUITE 100  
 LAUREL, MARYLAND 20707

BALTIMORE (301) 792-8086

WASHINGTON (301) 953-1821

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

C1 5101 SEQUENCE NO. (DENV. 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 **A 45180**

ST/CO USE ONLY  
 DATE Received

DATE WELL COMPLETED  
**01/19/92**

Depth of Well  
**225**  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
**HO-88-2022**

OWNER **Pettit Dawn**  
 last name first name  
 STREET OR RFD **Hall Shop Rd** TOWN **Highland**  
 SUBDIVISION **MAT-PET ESTATES** SECTION **4** LOT **4**

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	
SAND	0	35	
CRAYFISH rock	35	225	✓

GROUTING RECORD  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y**  
 TYPE OF GROUTING MATERIAL  
 CEMENT **CM** BENTONITE CLAY **BC**  
 NO. OF BAGS **8** NO. OF POUNDS **752**  
 GALLONS OF WATER **48**  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from **0** ft. to **32** ft.  
 (enter 0 if from surface)

CASING RECORD  
 casing types insert appropriate code below  
**ST** **CO**  
 STEEL CONCRETE  
**PL** **OT**  
 PLASTIC OTHER  
 MAIN CASING TYPE **ST** Nominal diameter (nearest inch) **6** Total depth (nearest foot) **40**

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

SCREEN RECORD  
 screen type or open hole insert appropriate code below  
**ST** **BR** **HO**  
 STEEL BRASS OPEN HOLE  
**PL** **OT**  
 PLASTIC OTHER

DEPTH (nearest ft.)  
**HO** **38** **225**  
 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.) **12**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING **49**  
 WHEN PUMPING **52**  
 TYPE OF PUMP USED (for test)  
**A** air **P** piston **T** turbine  
**C** centrifugal **R** rotary **O** other (describe below)  
**J** jet **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:  
 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 **-** below  
 LAND SURFACE (nearest foot) **2**

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 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.

DRILLERS IDENT. NO. **238**  
 DRILLERS SIGNATURE **Paul S. Morgan**  
 (MUST MATCH SIGNATURE ON APPLICATION)

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

