

7/21/93

03-312240

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49110

A 38116

DISTRICT 3

DATE 4/07/93

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

DATE SYSTEM APPROVED 7/21/93

INSPECTOR M. Rifkin

William H. Smith, Jr. Septic, Water and Pump Systems PERMITTED TO INSTALL ALTER

ADDRESS P. O. Box 330, Forest Hill, Maryland 21050 PHONE (301) 879-7641

SUBDIVISION Meadowood Sec. 1 LOT 75 ROAD 1215 Shady Creek Road

PROPERTY OWNER Stanley Katz

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

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

LOCATION - SHALLOW SYSTEM ONLY. Beginning from the left front lot corner, place the first trench 100 feet down the left (338.82') lot line and 140 feet off the left line as seen when facing property from Shady Creek court. Run trenches along contour towards the right lot line. NOTES: TRENCHES NOT TO EXCEED 65 FEET IN LENGTH. MAINTAIN MINIMUM 100 FEET FROM WELL TO SEPTIC. OK 4/9/93 RH

NOTE - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Bert Nixon DATE 12/29/84

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: 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

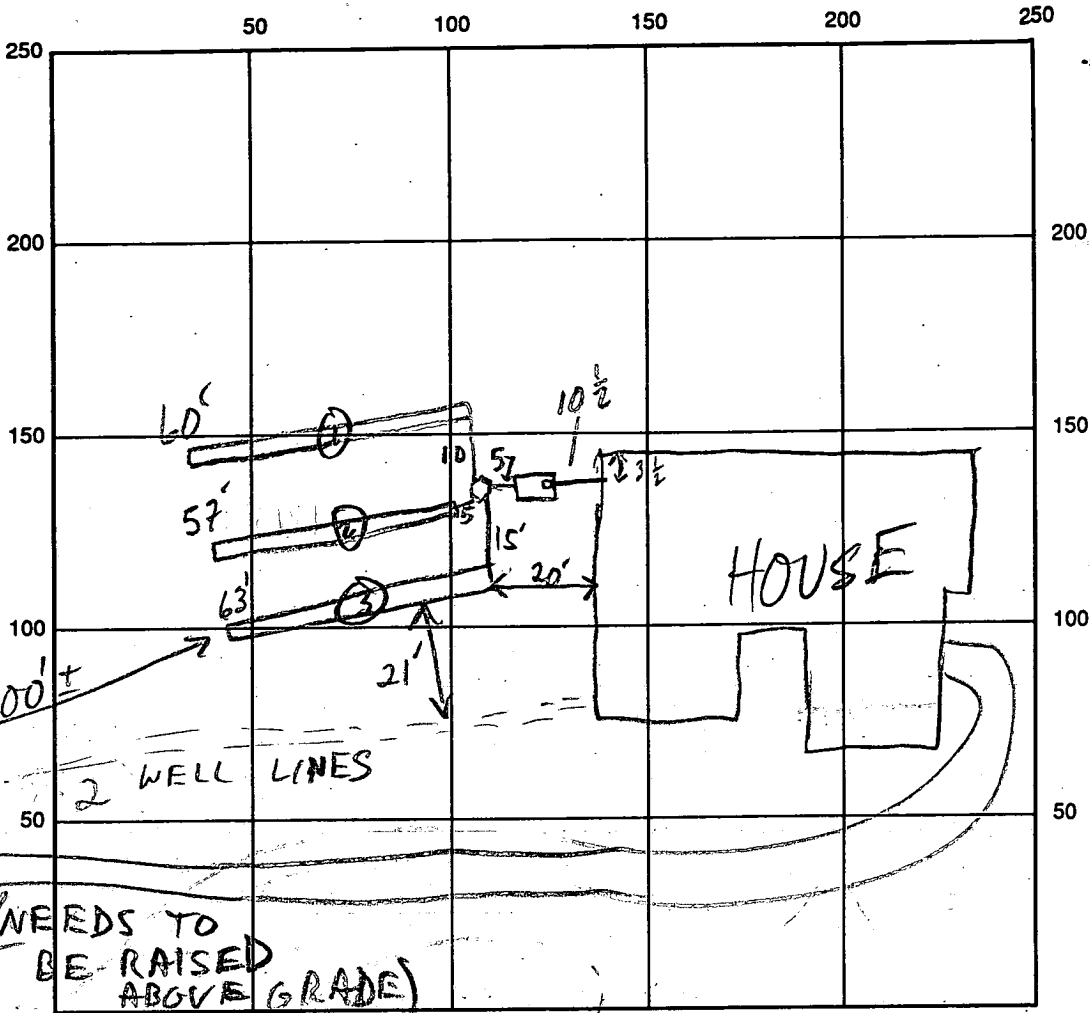
PERMIT VOID AFTER TWO YEARS

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 38116



HO-81-2487
well #1
HO-88-0065
well #2

SLADY CREEK CT

SEPTIC TANK LEVEL 1000 GAL S.T. OK CLEANOUTS S.T. OK

DISTRIBUTION BOX LEVEL OK BAFFLE IN

DRAIN FIELD/TITLE DEPTH $\frac{1}{5} \frac{1}{5} \frac{1}{5}$ FT. TRENCH WIDTH 3 FT. INLET DEPTH $\frac{1}{3} \frac{1}{3} \frac{1}{3}$ FT.

EFFECTIVE GRAVEL DEPTH $\frac{1}{2} \frac{1}{2} \frac{1}{2}$ FT. TOTAL LENGTH 060 @ 57 @ 63 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 0180 @ 171 @ 189 SQ. FT.

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

ABSORBENT AREA 540 SQ. FT.

REMARKS: 7/20/93 VERIFIED STARTING LOC W/INSTALLER MR
7/21/93 #1 CONTINUE MR
7/21/93 #2 OK TO COVER ALL MR

DATE SYSTEM APPROVED 7/21/93 INSPECTOR M. Ripkin

APPLICATION

PERCOLATION TESTING

A 38116

P _____

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

DISTRICT _____

DATE 11/28/86

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 Springhill Associates - c/o ^{Stanley Katz} D.S. Thaler & Associates, Inc.

ADDRESS 11 Warren Road, Baltimore, MD 21208 PHONE (301) 484-4100 ⁸³³⁻²⁴²⁵

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 10 X 75

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road
Howard County, Maryland (1213 Shady Creek Rd)

TAX MAP 10 PARCEL # 139

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

BLDG. PERMIT SIGNED
AND RETURNED 12/24/86
Serial # 40627-570

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.

Mike Sedel
(SIGNATURE OF APPLICANT) (PLAT SIGNED) OK

APPROVED BY B. Nylan FOR SHALLOW ENTRY DATE 12/29/87

REJECTED BY CW Nelson FOR _____ DATE 2/16/87

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12/17/86 PERC. SATISFACTORY, HOLD FOR SUBDIVISION PLAT. SIGNED
12/16/87 PLAT IN CONTACT - RELOCATE ALL HOLES, CW
4' BUFFER ZONE NOT ESTABLISHED?

THIS IS NOT A PERMIT

A38116

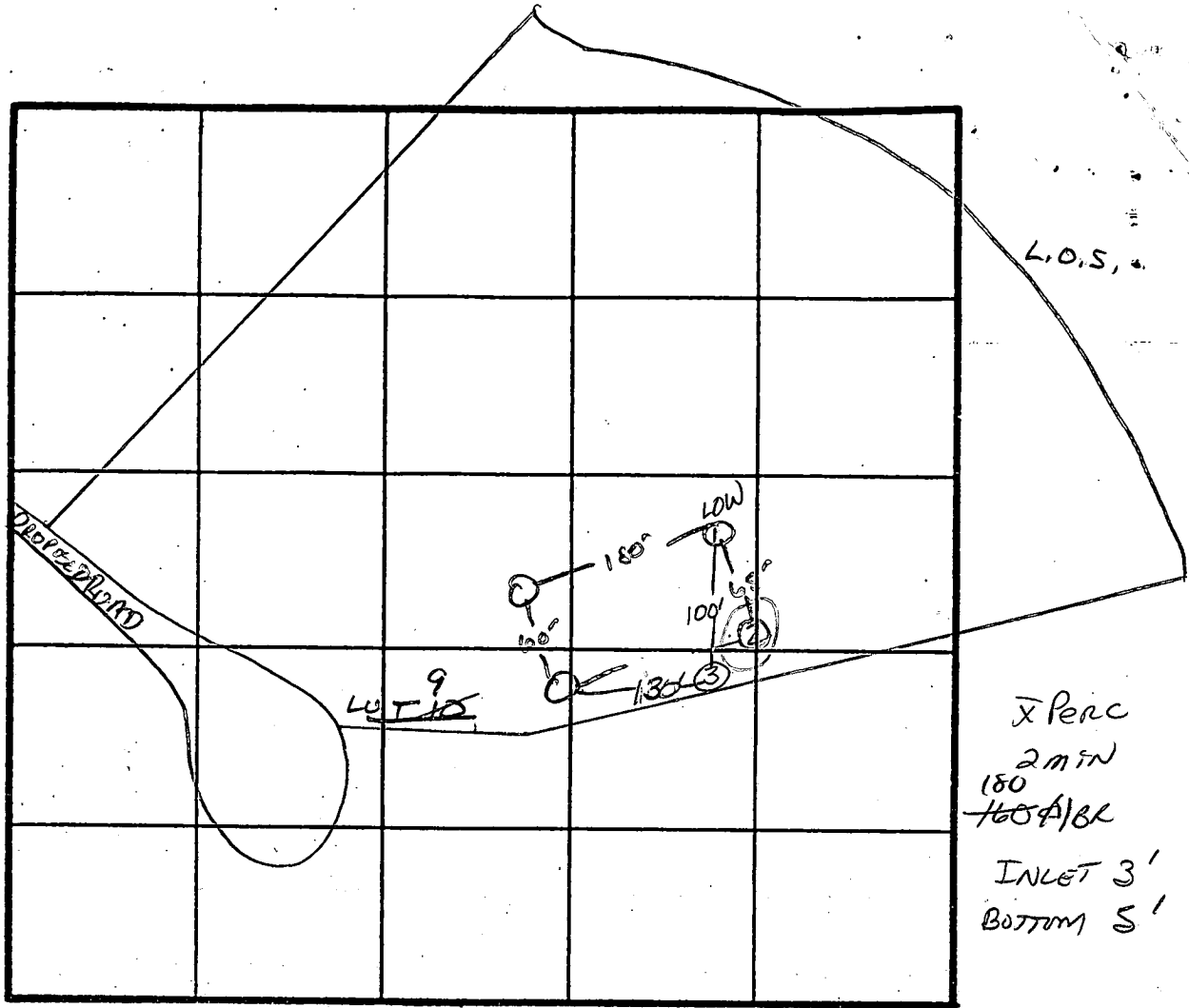
① ②
SOIL PROFILE

0
4'
3'
10.5'

A13
Yellow BK
Silt loam
29% clay
10-15%
FASS

Mm/BK
SANDY
Silt loam
Highly
micaceous
40%

G1
HARD
BOTTOM



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/7/84	1 V	3.5' 10.5'	10:48 HARD BOTTOM	10:49 -	10:49	10:50	1 min	
	②	STRUCTURED	SAPROLITE - MICASCHIST AT 6'-7'					
	3 V	3.5' 11.5'	10:53 SIMILAR TO #1 w/	10:54 NO HARD BOTTOM	10:54	10:55	1 min	
	4 S	4' 8'	11:31 11:30	11:32 11:31	11:32	11:34	2 min 1 min	
	4 V	12' uniform soil below 3'						
	5 V	12' uniform soil below 3'						

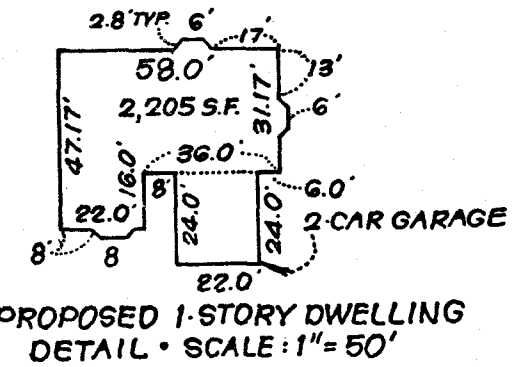
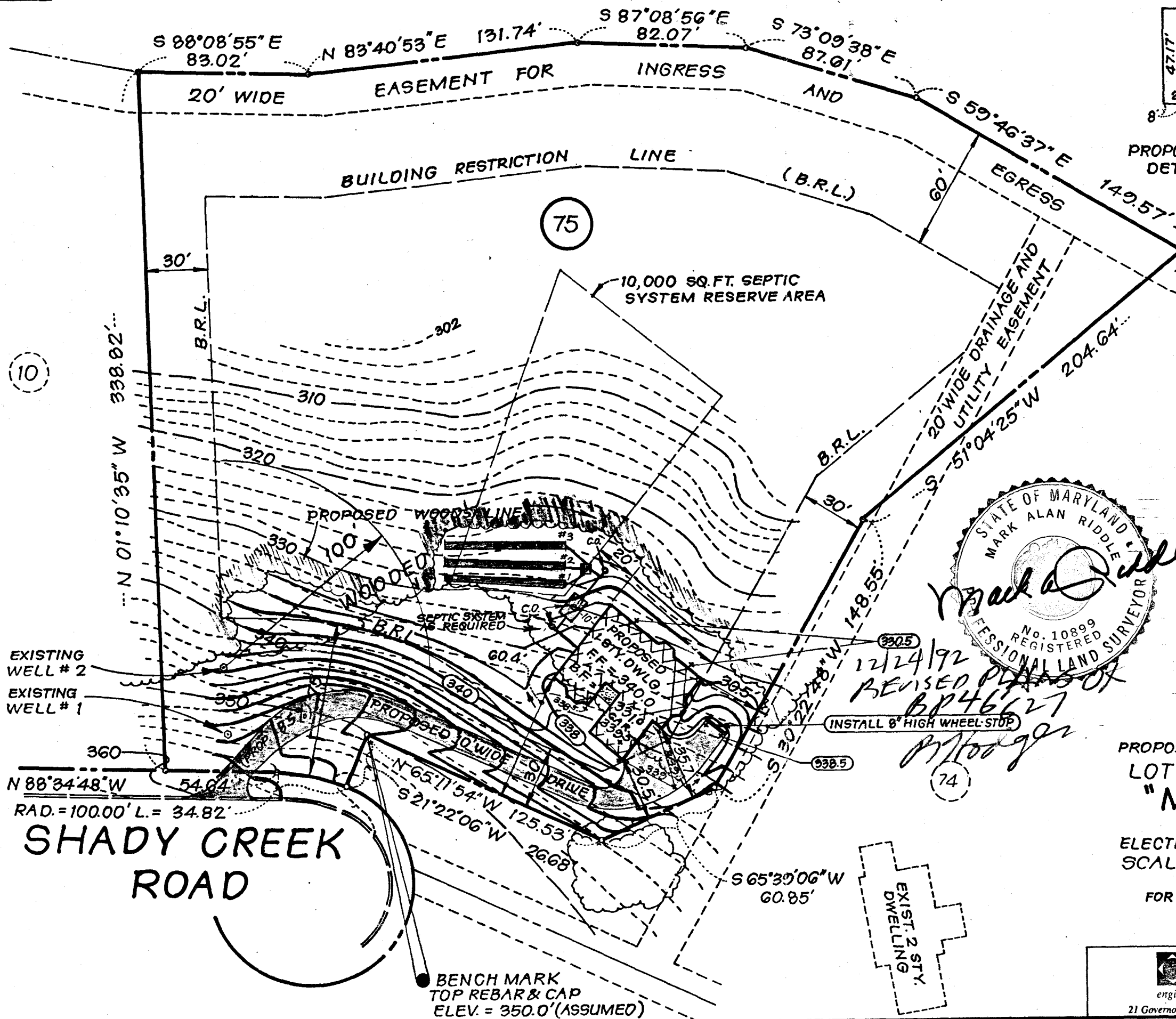
REMARKS Shallow Syst. only / 1 hole slightly diff from pt 1

TYPE OF SOIL Glenela

TESTED BY S. Abel ALSO PRESENT FRYSCO joined (SD)

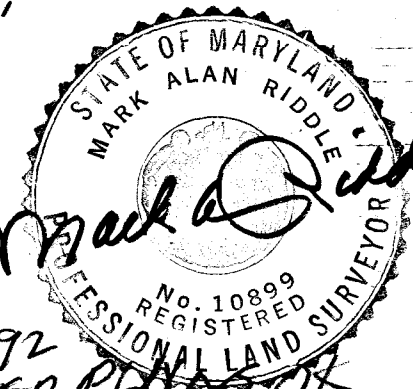
EH-12-1079

NOTE: TOPOGRAPHY SHOWN HEREON PERFORMED BY OTHERS, NOT CERTIFIED BY STV GROUP.



SEPTIC SYSTEM DETAILS / ELEVATIONS

BASEMENT ELEVATION	331.0'
FIRST FLOOR ELEVATION	340.0'
INVERT OUT OF HOUSE	326.4'
INVERT INTO SEPTIC TANK	326.0'
INVERT OUT OF SEPTIC TANK	325.6'
INVERT INTO DISTRIBUTION BOX	325.2'
INVERT INTO TRENCH 1	325.0'
TRENCH 2	324.0'
TRENCH 3	323.0'
EXIST. GRADE @ TRENCH 1	328.0'
TRENCH 2	327.0'
TRENCH 3	326.0'
EXIST. GRADE @ WELL #1	355.0'
WELL #2	345.5'
BUILDING PERMIT # 46627 A 38116	

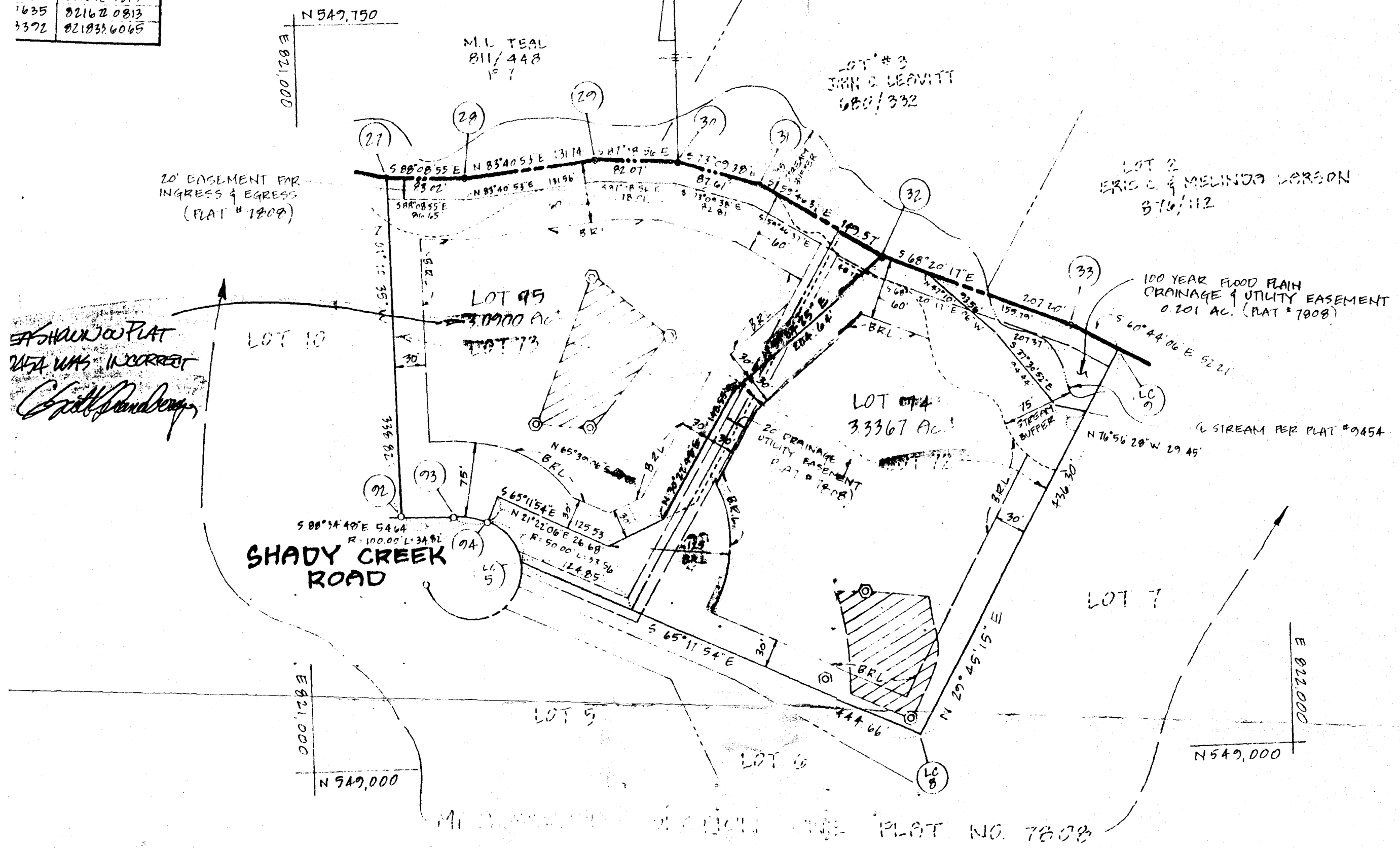


12/24/92
REVISED PLANS OF
BP 46627
M. Hooper

PROPOSED SITE & GRADING PLAN
LOT 75, RESUBDIVISION OF SECTION ONE
"MEADOWOOD"
(PLAT C.M.P. No. 0598)
ELECTION DIST. No. 3 • HOWARD COUNTY, MD.
SCALE: 1" = 50' • DATE: DEC. 12, 1992
JOB No: G1-8825-75 REV. 12-24-92
FOR: STEPHEN A. THOMPSON, BUILDERS
611 FREDERICK ROAD
BALTIMORE, MD. 21228

STV Group
engineers/architects/planners/scientists/construction managers
21 Governor's Court Baltimore, MD 21244-2722 tel: 410-944-9112 fax: 410-298-2794

NO.	NO.	ANGLE	RADIUS	LENGTH	BEARING	CURVE	TANGENT
192	82100 5187						
1910	82111 4940						
5940	82135 4336						
5140	82138 4010						
1340	82141 2550						
8450	82140 4950						
3610	82179 0620						
7310	82109 4733						
777	82115 0086						
3343	82118 0567						
5886	82118 4337						
1635	82160 0813						
3372	82183 6065						



AREA TABULATIONS:

TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED: BUILDABLE: 2
OPEN SPACE: 3

TOTAL AREA OF LOTS AND/OR PARCELS: BUILDABLE: 6.4267 AC.
TOTAL OPEN SPACE: 3.0900 AC.
(AREA 4% OF DRYLANDS UNDER OPEN SPACE): 0

TOTAL AREA OF ROAD RIGHT-OF-WAYS TO BE RECORDED, INCLUDING WIDENING STRIPS: 0

TOTAL AREA OF FLOOD PLAIN TO BE RECORDED: 0.201 AC.

TOTAL AREA OF SUBDIVISION TO BE RECORDED: 6.4267 AC.

LOT #	AREA AC	MINIMUM SLOPES AC	AREA AC	MINIMUM SLOPES AC	MINIMUM LOT AREA AC
74	3.3367	0.2010	3.1357	0.1250	3.0107
75	3.0900	0	3.0900	0	3.0900

OWNER
 FREDERICK C. BARRETT
 DENISE M. BARRETT
 9 SANDSTONE COURT
 BALTIMORE, MARYLAND 212
 VP. 88-24 RE
 VP. 84-3991 F

APPROVED:
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

SEWT FOR SIGNATURE 9/24/90 C.W.
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED:
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR DATE

APPROVED:
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR DATE

OWNERS CERTIFICATE

WE, FREDERICK C. BARRETT AND DENISE M. BARRETT, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS FINAL PLAT OF SUBDIVISION AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT 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, THE BEDS OF THE STREETS AND/OR ROADS AND THE FLOOD PLAINS 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 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, 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 14TH DAY OF SEPTEMBER, 1990.

FREDERICK C. BARRETT DATE _____ WITNESS _____ DATE _____
 DENISE M. BARRETT DATE _____ WITNESS _____ DATE _____

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY SPRINGHILL ASSOCIATES TO FREDERICK C. BARRETT AND DENISE M. BARRETT BY DEED DATED 7-25-88 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AND THAT ALL PLACE PRIOR TO THE ADOPTED SUBDIVISION BY HOWARD COUNTY IN ACCORDANCE WITH THE ACT AMENDED.

RECORDED AS 1

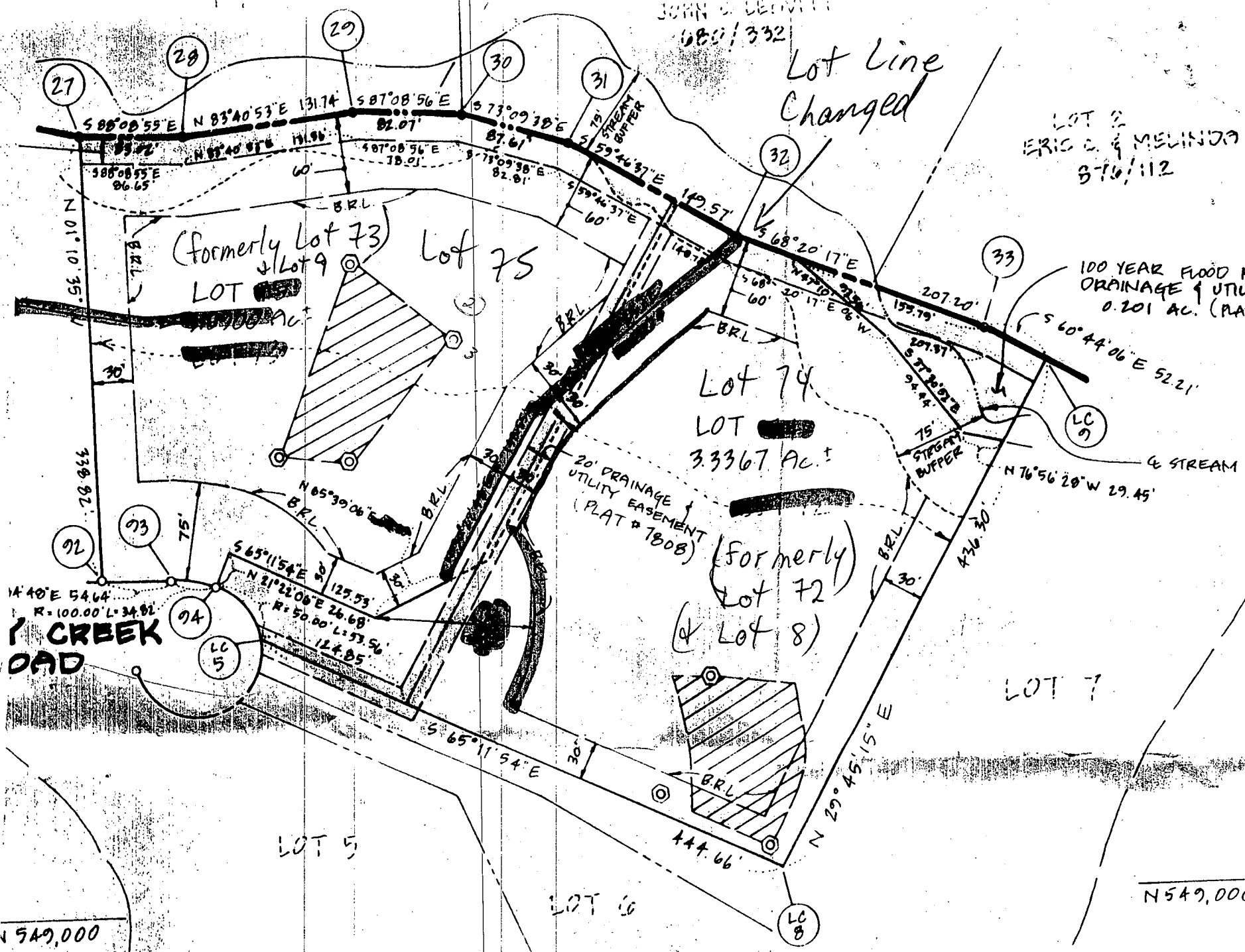
G. SCOTT SHANABER
 PROFESSIONAL LAND SURVEYOR

JOHN S. DEWITT
680/332

Lot Line
Changed

LOT 2
ERIC S. & MELINDA
870/112

100 YEAR FLOOD P
DRAINAGE & UTIL
0.201 AC. (PA



CREEK
DAD

(Formerly Lot 73)
LOT 9

Lot 75

Lot 74

LOT
3.3367 Ac.

(Formerly)
Lot 72

(& Lot 8)

LOT 7

LOT 5

LOT 6

549,000

MEADOWOOD SECTION ONE PLAT NO. 7808

N 549,000

CROSS	FLOOR/PLAN	NET	...

B 1 2544 SEQUENCE NO. (DP USE ONLY)
1 2 3 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL
3201 please print or type

STATE PERMIT NUMBER
HO-88-0065
70 fill in this form completely 79

Date Received (APA) 07 26 88
OWNER INFORMATION
15 Last Name 8 SPRING HILL ASSOCIAT
13 Owner First Name 34
36 Street or RFD 55 7423 RT 32
57 Town 70 State 72 MD 21 78 4 Zip 76

DRILLER INFORMATION
George F. Easterday
Driller's Name 40
L. Franklin Easterday, Inc. 77 License No. 80
Firm Name
9265 Brown Church Rd.,m MT. Airy, Md. 21771
Address
Signature: George F. Easterday Date: 7-20-88

B 2 WELL INFORMATION
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

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 200 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROtary 37 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
39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER GAP 77 52 88
54 TO BE 63
FORCE WRITE INITIALS IN BOX PERMIT NO. 20-88-0065
67-68 70 71 72 73 74 75 76 77 78 79

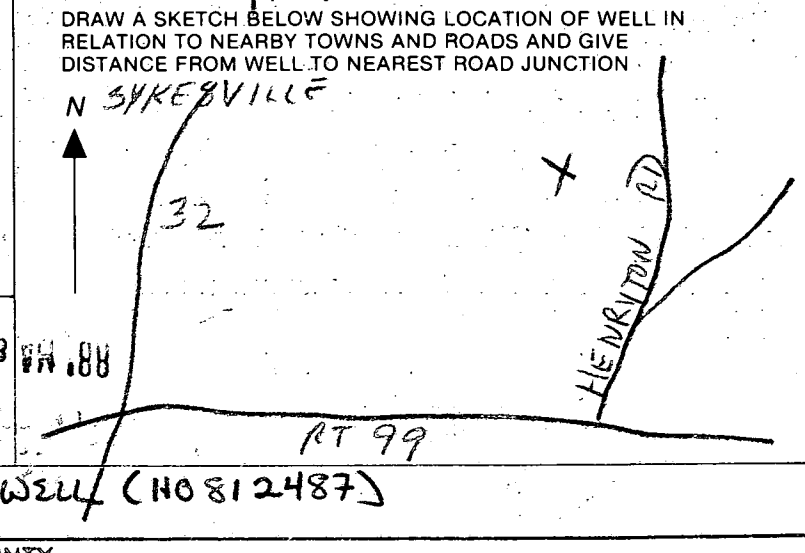
SPECIAL CONDITIONS TIED TOGETHER W/ ORIG WELL (NO 812487)

B 3 LOCATION OF WELL
1 2 HOWARD
8 COUNTY 21
MEADOWOOD
23 SUBDIVISION 42
SECTION 1 LOT 9 (WELL #2)
44 46 48 50
SYKESVILLE
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 6 M I
73 76 77 78

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
11 NEAR WHAT ROAD SHADY CREEK CT. HENRY TOD RD.
30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH WEST EAST SOUTH
34 20 37 DISTANCE FROM ROAD
ENTER FT or MI FT 38 39

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME A 38 116 COUNTY NO.
STATE SIGNATURE DATE ISSUED 07/15/88 B Nylor 01/15/89
43 48 CO SIGNATURE EXP DATE
NORTH GRID 549000 EAST GRID 0821000
50 55 57 63

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 820 1
N 540 9
000 000



11:00 1-11 88
2:00

OK 8/25/88 cld

County File No. _____

Review 2 WELLS

TO 06 CONNEXION
- ALSO HO-88-0065

FIELD DATA SHEET
HYDROGEOLOGIC AREA (1) WELL YIELD TEST

Maryland Well Permit No. HO-81-2487 Election District _____
Location of Property (road) SHAWY CREEK CT
Subdivision MEADOWOOD Lot 9 Block _____ Plat _____ Sec. 1
Well Driller EASTERDAY Owner SPRING HILL ASSOC

Depth of Well 300 26 PM
Distance of Measuring Point (M.P.) above ground _____
Static Water Level (S.W.L.) below M.P. 41

- I. High Rate Pumping -- reservoir drawdown
Time pump started 8:15 Pumping rate 10 GPM
Total time 20 min to reach pumping water level 8 ft. below M.P.
- II. Recovery pump test data - observations to be recorded every 15 minutes.

TIME	WATER LEVEL Below M.P.	PUMPING RATE: Time to fill 1 gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
8:45	84			
9:00	97	20	Flow meter	6
9:15	91	17	Flow meter	3
9:30	90			4
9:45	93			4.5
10:00	100			3.8
10:15	100	27		2.04
10:30	107	29		2.06
10:45	111	38		2.06
11:00	109	60		1.5
11:15	108	53		1
11:30	105			1.15
11:45	108	53		1.1
12:00	108	55		1.1
12:15	108	53		1.1
12:30	108			1.1
12:45	108	53		1.1
1:00	108	53		1.1
1:15	111	53		1.1
1:30	114	53		1.1
1:45	115			1.1
2:00	115	60		.9
2:15	115	65		.9
2:30	116	60		.9
2:45	117	60		1
3:00	118	60		

B 7 2288 SEQUENCE NO. (OEP 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

OEP PERMIT NUMBER
4/21/88
MD-81-2487
fill in this form completely

Date Received 07 14 87
OWNER INFORMATION
Last Name SPRING HILL ASSOC
Owner First Name
Street or RFD RT 99
Town W F R I A N D S H I P M D State 21 Zip 78

B 3 LOCATION OF WELL R-39637
COUNTY HOWARD
SUBDIVISION MEADOWOOD
SECTION 1 LOT 9
NEAREST TOWN SMITHSBURG
MILES FROM TOWN 4 MI

DRILLER INFORMATION
Driller's Name George F. Easterday License No. 40
Firm Name L. Franklin Easterday, Inc.
Address 9265 Br. Ch. Rd., Mt. Airy, Md. 21771
Signature George F. Easterday Date 7/2/87

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
NEAR WHAT ROAD SHADY CREEK CT.
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 67 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)
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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
COUNTY NAME HOWARD COUNTY NO. A38116
OEP SIGNATURE R. N. Nylan STATE HEALTH INSERT S
DATE ISSUED 12 29 87 CO SIGNATURE EXP. DATE 06/29/88
NORTH GRID 549000 EAST GRID 0821000

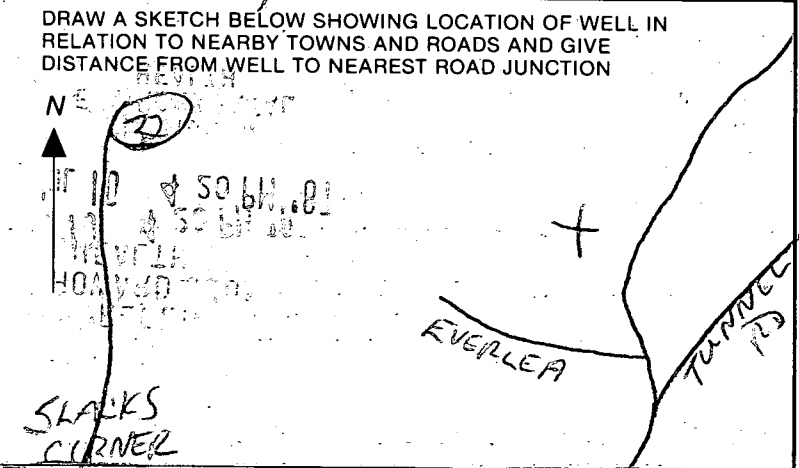
APPROXIMATE DEPTH OF WELL 200 FEET

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
other

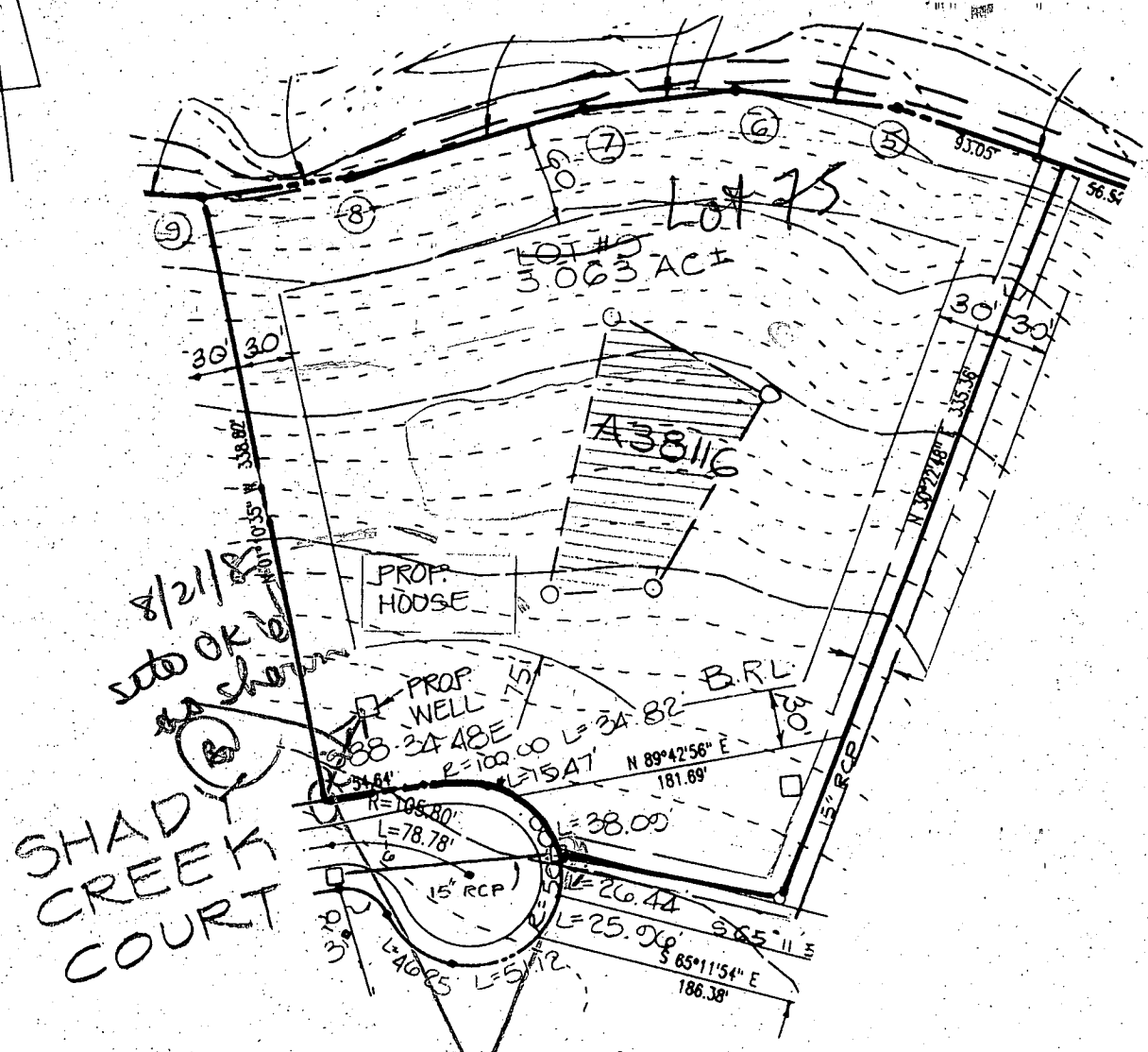
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. WELL
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 8201
N 5409
4/21/88
grout on line location as per stakes
45' casing (1k above)
40' open hole
13 bags cement

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
D THIS WELL WILL DEEPEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE INITIALS PERMIT NO. MD-81-2487

SPECIAL CONDITIONS BEEN ON HOLD PENDING SUITABLE ROAD ACCESS RT 99



SHADY CREEK COURT

8/21/88
SUD OK

8/21/88
corner found

OWNER
 SPRING HILL ASSOCIATES
 RUTH H. WESTON
 1427 ROUTE 32
 SYKESVILLE, MD. 21784

DEVELOPER
 KOREN DEVELOPMENT CORP. INC.
 5423 WATERCRESS PLACE
 COLUMBIA, MARYLAND 21045

RECEIVED
 JUN 30 1987
 L.F. EASTERDAY INC.

D.S. Thaler & Assoc. Inc.
 CIVIL ENGINEERS · SURVEYORS
 LANDSCAPE ARCHITECTS
 11 WARREN ROAD
 BALTIMORE, MARYLAND 21208
 (301) 484-4100

LOT # 9
MEADOWOOD
 SECTION ONE
 TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1" = 100'
 PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1987

C1 2550 SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 36 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 **A38116**

DATE Received [] [] [] [] [] [] [] []
 DATE WELL COMPLETED **072084**

Depth of Well **440**
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL" **40-88-3337**

OWNER **SPRING HILL ASSOC** last name first name TOWN **SYKESVILLE**
 STREET OR RFD [] [] [] [] [] [] [] []
 SUBDIVISION **MENARD** SECTION [] [] [] [] [] [] [] [] LOT **9**

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	
Top Soil	0	2	
Clay	2	4	
Shaley Sand Stone	4	12	
Mica Sand Stone	12	35	
Mica Sand Stone	35	45	OR ✓
Mica Sand Stone	45	90	✓
Mica Flint	90	202	
Mica	202	205	
Mica	205	440	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **14** NO. OF POUNDS **1400**
 GALLONS OF WATER **70**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **40** ft.

CASING RECORD
 casing types insert appropriate code below
ST CO PL OT
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **44**

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

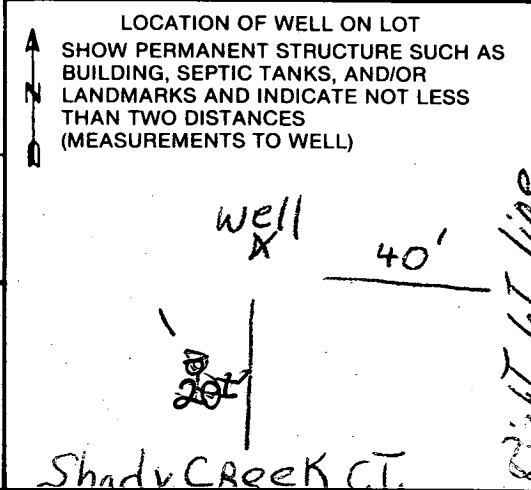
C2
 DEPTH (nearest ft.)
 EACH SCREEN **H0** **90** **440**
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **6**
 PUMPING RATE (gal. per min. to nearest gal.) **13 gpm**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **59** WHEN PUMPING **206**
 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:
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)



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. **40**
 DRILLERS SIGNATURE **Harold J. Ent...**
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HYDROGEOLOGIC AREA (7) WELL YIELD TEST

Maryland Well Permit No. HO 88 0065 Election District well # 2

Location of Property (road) Henington Rd

Subdivision Meadowood Lot 9 Block _____ Plat _____ Sec. _____

Well Driller Castorday Owner Spring Hill Assoc

Depth of Well 440

Distance of Measuring Point (M.P.) above ground 1 ft

Static Water Level (S.W.L.) below M.P. 39 ft

I. High Rate Pumping -- reservoir drawdown

Time pump started 9:15 Pumping rate 10 gpm

Total time 30 min to reach pumping water level _____ ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes.

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
8:45	200'	1 min 25 sec		
9:00	202'	1 min 25 sec		
9:15	203'	1 min 25 sec		
9:30	204'	1 min 40 sec		
9:45	205'	1 min 40 sec		
10:00	205'	1 min 40 sec		
10:15	206'	1 min 40 sec		
10:30	206'	1 min 40 sec		
10:45	207'	1 min 45 sec		
11:00	207'	2 min 20 sec		
11:15	206'	2 min 20 sec		
11:30	205'	1 min 55 sec		
11:45	206'	1 min 55 sec		
12:00	206'	1 min 55 sec		
12:15	206'	1 min 55 sec		
12:30	206'	1 min 55 sec		
12:45	206'	1 min 55 sec		
1:00	206'	1 min 55 sec		
1:15	206'	1 min 55 sec		
1:30	206'	1 min 55 sec		
1:45	206'	1 min 55 sec		
2:00	207'	1 min 55 sec		
2:15	206'	1 min 55 sec		
2:30	206'	1 min 55 sec		

Time

2:45
3:00
3:15
3:30
3:45
4:00
4:15
4:30
4:45
5:00
5:15

Water level

206'
206'
206'
206'
206'
206'
206'
206'
206'
206'
206'
206'

Time To Fall 1-6'

1 min 53 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec
1 min 55 sec

water level in 1st well
53'

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
MAY 26 9 02 AM '88
DIVISION OF
ENVIRONMENTAL
HEALTH

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement _____

Receipt # -0-
Date 4/7/93

Name of Installer Wm. H. Smith Jr.

Telephone 410-879-7641

License Number PE 58

Certified Well Pump Installer X Well Driller _____ Registered Plumber _____

Name of Property Owner _____ Telephone _____
Subdivision Meadow Wood Lot # 75 Well Tag # 110-81-2487
Site Address _____

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible _____
2. Make _____
3. Model # _____
4. Capacity 1440 GPM
5. Pump exceeds well capacity Yes _____ No _____
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____

Motor
1. Horsepower _____
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220 _____

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity _____
2. Pressure relief valve? _____

Piping
1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved _____
4. Depth of supply line _____

Well data
1. Depth _____ ft.
2. Yield _____ GPM
3. Static water level _____ ft.
4. Will water supply be disinfected by installer? _____

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.
Signature of Applicant: William H. Smith Jr.
Date: 4/7/93

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement _____

Receipt # 39637
Date 7/14/87

Name of Installer Wm. H. Smith

Telephone 410-879-7641

License Number PI 58

Certified Well Pump Installer X Well Driller _____ Registered Plumber _____

Name of Property Owner _____ Telephone _____
Subdivision MEADOWOOD Lot # 275 Well Tag # HO-81-2487
Site Address SHADY CREEK COURT (WELL #1)

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible _____
2. Make _____
3. Model # _____
4. Capacity _____ GPM
5. Pump exceeds well capacity Yes _____ No _____
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____

Motor
1. Horsepower _____
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220 _____

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity _____
2. Pressure relief valve? _____

Piping
1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved _____
4. Depth of supply line _____

Well data
1. Depth 300 ft.
2. Yield 21 GPM
3. Static water level 52 ft.
4. Will water supply be disinfected by installer? _____

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: William H. Smith

Date: 7/6/93

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.