

1/29/96  
10:00  
1/30/96  
11:00  
1/31/95  
10:10:30

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-332865

P 56421

REPAIR

DISTRICT 4th

DATE 01/26/96

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

DATE SYSTEM APPROVED 1/31/96

INSPECTOR DKS

# INDEXED

Modern Foundations, Inc.

IS PERMITTED TO INSTALL  ALTER

ADDRESS 7840 Kabik Court, Woodbine, Maryland 21797

PHONE 410-795-8877

SUBDIVISION Forsythe Heights

LOT 13A

ROAD 14650 Monticello Avenue

PROPERTY OWNER Harold Smith, Jr.

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

125 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 125

REPAIR - PURPOSE - SEPTIC SYSTEM HAS FAILED.

Call for inspection when ground is opened so sanitarian can recommend repair. 01/26/96

Install 2-63' trenches off distribution box from existing drywell.  
Trenches should run through perc test holes on contour  
Trenches to be 3' wide, inlet 4.5' below grade, bottom 6.5'  
below grade, stone 2'.

PLANS APPROVED BY

DOUNA & SOE

DATE

1/29/96

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

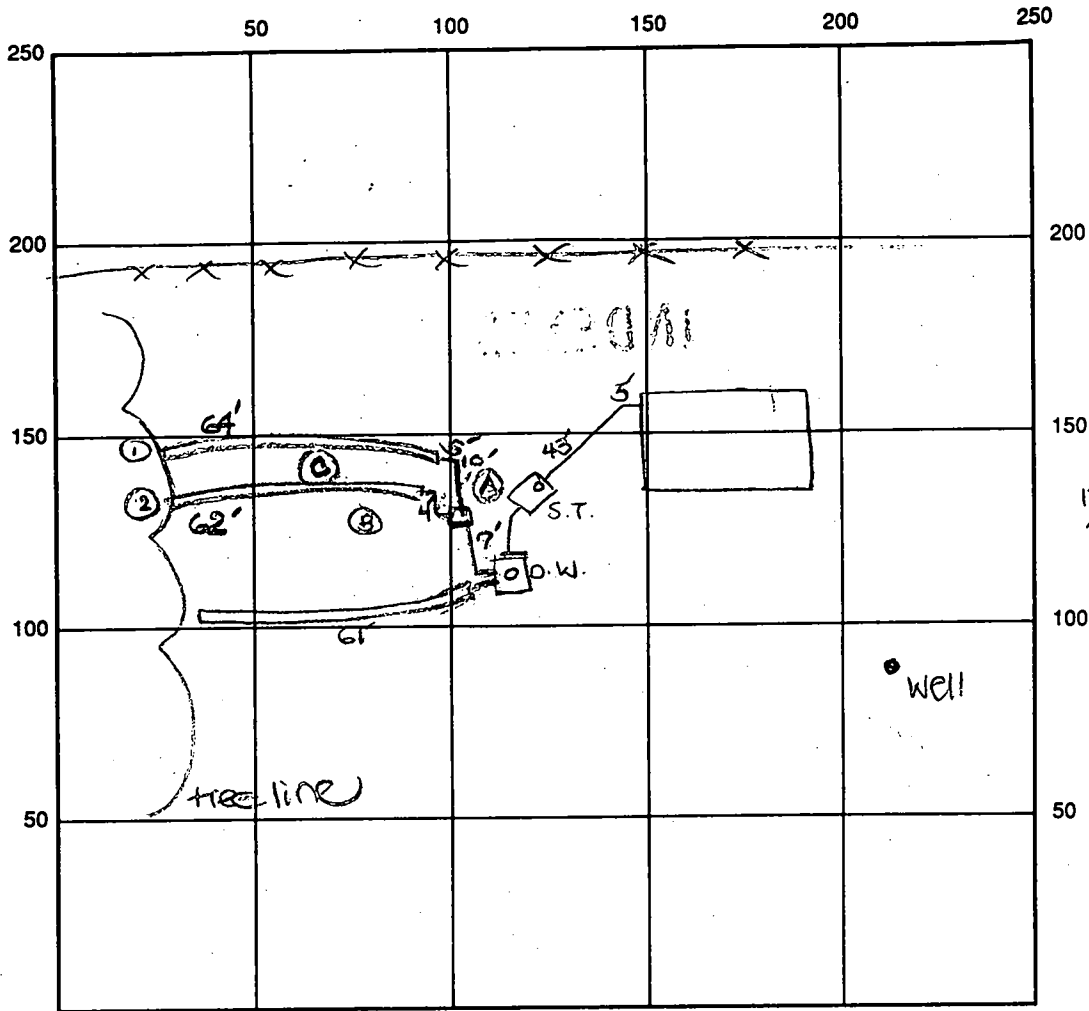
PERMIT VOID AFTER TWO YEARS

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**

56421



to Monticello Dr. ← Common Drive

SEPTIC TANK LEVEL Existing CLEANOUTS one on st., one on d.p.w.  
 DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 7.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5.5 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 126' total

NUMBER OF TRENCHES 2 + Existing BOTTOM AREA 378 SQ. FT.

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

ABSORBENT AREA 378 SQ. FT. + Existing

REMARKS: 1/26/96 perc test hole (A) not acceptable - rock at ~5'. DKS  
1/29/96 perc test holes (B) and (C) OK (see profile). OK to  
proceed per specs on front of this sheet. DKS  
1/30/96 OK to continue. DKS  
1/31/96 FINAL - OK to cover all work. DKS

DATE SYSTEM APPROVED 1/31/96 INSPECTOR G. Bond

8/29/80 FILE APPROVED

SYSTEM TO BE INSTALLED FIRST *OK to sign Bldg Permit now 7/24/80*

*4/23/80*  
*After lunch*

P 30799 C.B.D.  
A: 21511

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

*7/24/80* HOWARD COUNTY  
*After lunch*  
*8/29/80* J.M.

ELLICOTT CITY  
DISTRICT 4th.

INDEXED

DATE 7/18/80

South Carroll Backhoe Service IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 795-2642

SUBDIVISION Forsythe Heights ROAD 14650 Monticello Avenue LOT 13A

PROPERTY OWNER Harold Smith, Jr.

ADDRESS 257 Thompson Drive, Marriottsville, Md.

SPECIFICATIONS 3 Bedrooms - 1000 gal. tank  
4 Bedrooms - 1250 gal. tank  
SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS

BLDG. PERMIT SIGNED  
AND RETURNED 7/28/80  
*Serial # 43402.*

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

(Total Abs. area in  
dry well 240 sq. ft.)

Dry Well SEEPAGE PITS  ABSORBENT SIDE-WALL AREA 166 SQ. FT. per bedroom

INLET PIPE 5 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 10 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT \_\_\_\_\_ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AND \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AS SEEN WHEN

FACING LOT FROM

Location of dry well - 15 feet from right of way, 92 feet from right (175 foot) property line.  
Trench inlet 5 feet - 10 feet maximum depth. 3 bedrooms - trench to be 60 feet long with  
300 sq. ft. abs area. 4 bedrooms - 90 feet long with 450 abs. area.  
Trench (es) to run with contour towards left (Monticello Avenue) side line of lot. NOTE:  
LEAVE 3 FT. EARTH BUFFER BETWEEN DRY WELL AND TRENCH.

PLANS APPROVED BY David J. O'Neill DATE 6/16/75

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

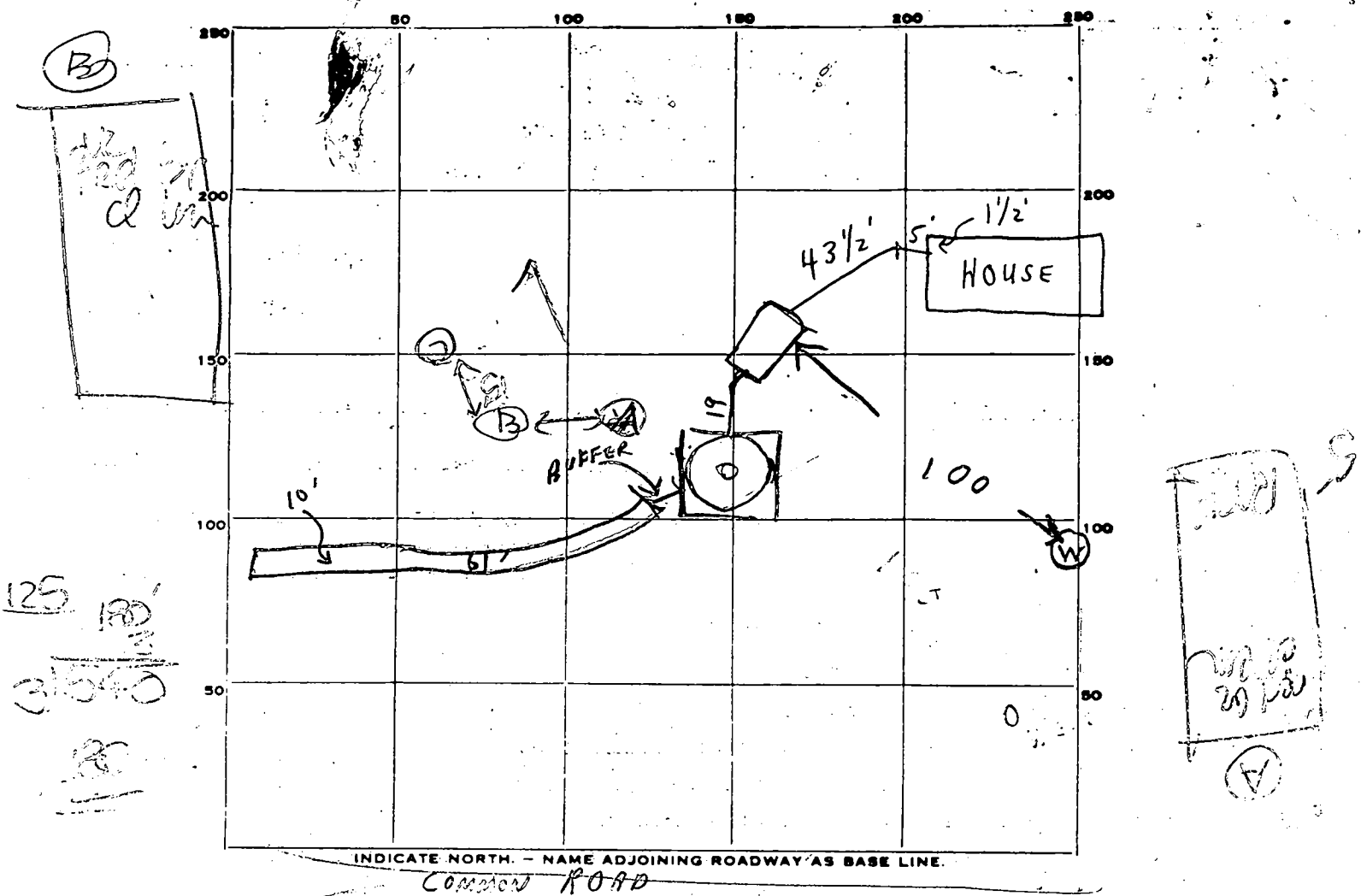
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRAZO ACCEPTED.

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

HD - 23

BLDG. PERMIT SIGNED  
AND RETURNED 6/9/84  
*Serial #18958 - 41st + fence*

A 21511



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

COMMON ROAD

PERMIT CARD

SEPTIC TANK, LEVEL OK 1000  
TOP 1 FT BELOW GRADE

CLEANOUTS OK ST/DW  
NO 7/24/80

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 6 IN. TOTAL LENGTH 61 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 366

SEEPAGE PITS, INSIDE DIAMETER PERIMETER 50 FT. DEPTH BELOW INLET 6 FT.

ABSORBENT AREA 300 SQ. FT.

REMARKS OK to add gravel to last 35' of trench  
7/23/80 TRENCH ONLY 6' LONG AND 10' DEEP - OK FOR STONE  
7/24/80 DW HOLE 10-11 FT DEEP BELOW G.F. FINISH WORK ON D.W.  
SEWER LINES + ADD STONE TO DITCH & CALL RH  
7/25/80 - DW INLET 4 1/2 FT DITCH INET 5 1/2 FT BELOW GRADE CALL  
FOR INSPECTION OF HOUSE SEWER COVER REST OF SYSTEM  
8/29/80 HOUSE CONNECTION SEW. C.P.S.  
 DATE SYSTEM APPROVED 8/29/80 INSPECTOR C.B. Straker

# APPLICATION

RECORDED

Liber 714, Folio 414

A 21511

P \_\_\_\_\_

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DISTRICT 4th

DATE 5/15/75

*Builder's  
Permit  
413702*

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 G. Oyster *Harold Smith Jr.*

ADDRESS 2419 Reddie Drive, Wheaton, Maryland *257 Thompson Dr. Marriottsville, md* PHONE 949-2011 933-2454 (Jack Lewis)

PROPERTY LOCATION:

SUBDIVISION (Forsythe Heights) LOT NO. 13A

ROAD AND DESCRIPTION 14650 off Monticello Drive

SIZE OF LOT 1.2876 acres TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Jack Lewis

APPROVED BY *Paul A. Neal* FOR Tranch 5-10' DATE 6/16/75  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

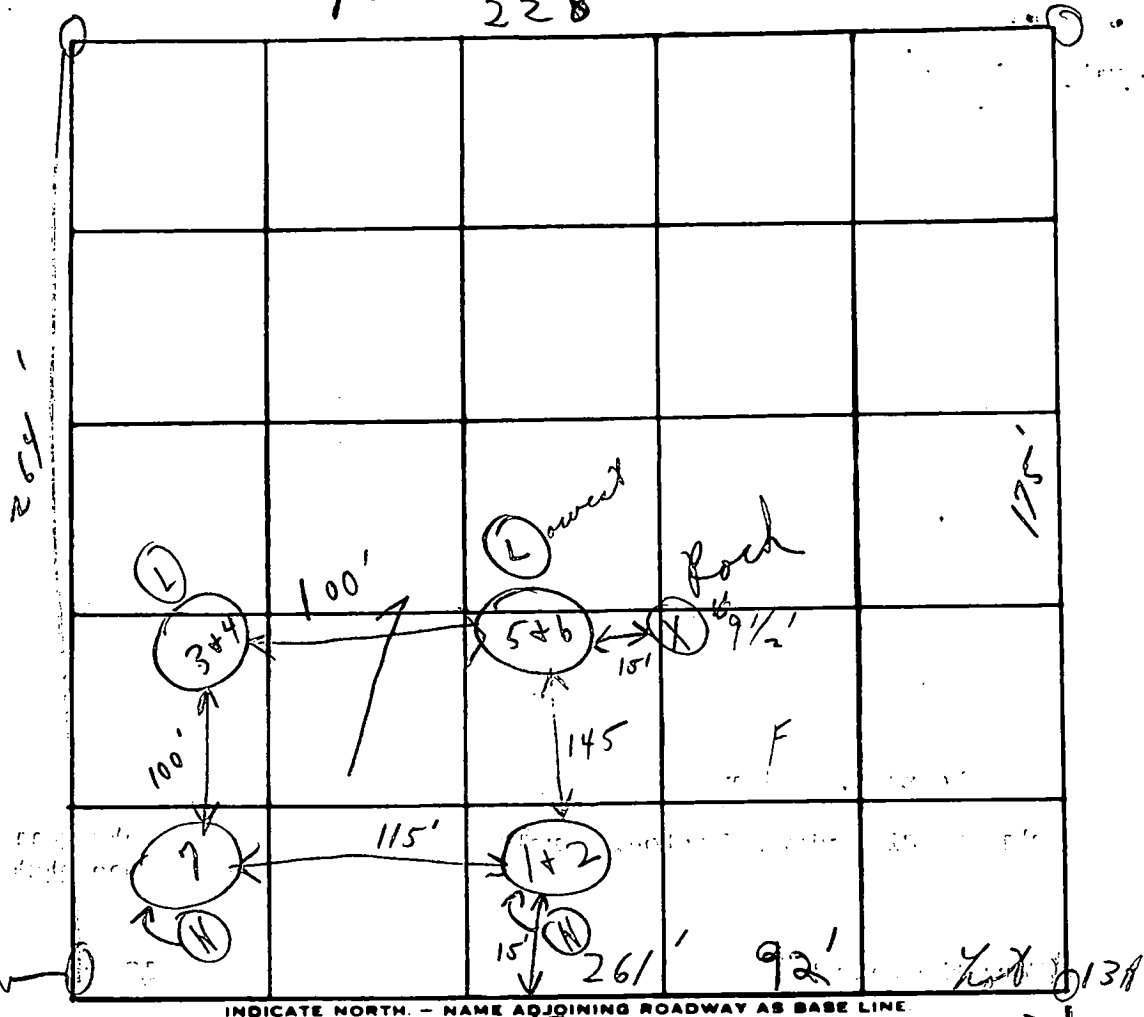
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

Carroll Co

13 A 228'



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/29/75	1	5'	2:19	2:28	2:28	2:40	12m
	(H) 2	11 1/2'	2:18	2:23	2:23	2:41	18m
	3	5'	2:48	2:53	2:53	3:21	18m
	(L) 4	11 1/2'	2:48	2:56	2:56	3:12	16m
	5	4'	2:55	2:59	2:59	3:02	5m
	(L) 6	11 1/2'	2:56	2:59	2:59	3:08	9m
	(H) 7	(11')					(similar to 1+2)

REMARKS

Mr. Lewis wants a copy of test results

TYPE OF SOIL

hardy loam below clay

TESTED BY

CBS

ALSO PRESENT:

Hendrix & Co.

Cooksville

DNR-214 (7-77) **SEQUENCE NO. (WRA USE ONLY)** **6097**

**STATE OF MARYLAND**  
**WATER RESOURCES ADMINISTRATION**  
**TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401**  
**WELL COMPLETION REPORT**

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

**FILL IN THIS FORM COMPLETELY**

**COUNTY NUMBER**

**DATE RECEIVED (WRA USE ONLY)** Mar. 26 1980 **DEPTH OF WELL** 125  
 DATE WELL COMPLETED (TO NEAREST FOOT) 26

**PERMIT NO. FROM "PERMIT TO DRILL WELL"** HD-73-3587  
 28 29 30 31 32 33 34 35 36 37

**DRILLERS IDENTIFICATION NO.** 238

**OWNER** Smith **LAST NAME** Harold **FIRST NAME**  
**STREET OR RFD** 14th St **POST OFFICE** Edgewater Md

**WELL LOG**

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
Brown Shale	0	18	
Gray granite	18	125	

**GROUTING RECORD**

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX)  YES  NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX)  
 CEMENT  BENTONITE CLAY

NO. OF BAGS 8 NO. OF POUNDS 752

GALLONS OF WATER 48

DEPTH OF GROUT SEAL (TO NEAREST FOOT)  
 FROM 0 FT. TO 20 FT.  
 (ENTER 0 IF FROM SURFACE)

**CASING RECORD**

CASING TYPES (INSERT APPROPRIATE CODE BELOW)  
 STEEL  CONCRETE  
 PLASTIC  OTHER

MAIN CASING TYPE ST NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 23

**OTHER CASING (IF USED)**

EACH CASING	DIAMETER (INCH)		DEPTH (FEET)	
	FROM	TO	FROM	TO
1				
2				

**SCREEN RECORD**

SCREEN TYPE OR OPEN HOLE (INSERT APPROPRIATE CODE BELOW)  
 STEEL  BRASS OR BRONZE  OPEN HOLE  
 PLASTIC  OTHER

**DEPTH (NEAREST WHOLE FOOT)**

EACH SCREEN	FROM		TO	
	8	9	11	17
1	<u>HO</u>	<u>21</u>	<u>125</u>	
2				
3				

SLOT SIZE 1.     2.     3.    

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM     TO    

GRAVEL PACK    

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX

**WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)**  
 TELESCOPE CASING  LOG INDICATOR  OTHER DATA AVAILABLE

**PUMPING TEST**

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 10

METHOD USED TO MEASURE PUMPING RATE Air

**WATER LEVEL: (DISTANCE FROM LAND SURFACE)**

BEFORE PUMPING 30 (NEAREST FOOT)

WHEN PUMPING 5 (NEAREST FOOT)

**TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX)**  
 AIR  PISTON  TURBINE  
 CENTRIFUGAL  ROTARY  OTHER (DESCRIBE BELOW)  
 JET  SUBMERSIBLE

**PUMP INSTALLED**

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)  YES  NO

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON)        

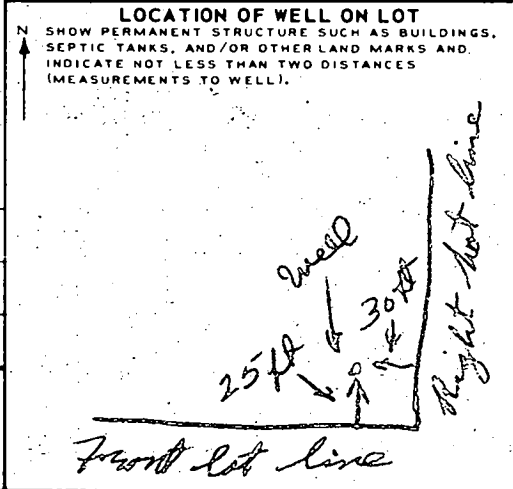
PUMP HORSE POWER    

PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

**CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)**

ABOVE  BELOW

LAND SURFACE (NEAREST FOOT) 2



**CIRCLE APPROPRIATE BOXES**

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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

**DRILLERS NAME** Joseph L. Maguire

**SIGNATURE** Joseph L. Maguire

STATE OF MARYLAND  
 WATER RESOURCES ADMINISTRATION  
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401  
 APPLICATION FOR PERMIT TO DRILL WELL

SEQUENCE NO. (WRA USE ONLY) 339

WRA PERMIT NUMBER H073-3587

FILL IN THIS FORM COMPLETELY.

DATE RECEIVED (WRA USE ONLY) 9:30 AM 3/27/80

OWNER Smith Harold

STREET OR RFD. 1421 Harford St. E

POST OFFICE Edgewood md 21040

**B 1 CONTINUED DRILLER INFORMATION**

DATE Mar 11, 1980 LICENSE NUMBER 238

SIGNATURE Joseph L. Maguire

**B 3 LOCATION OF WELL**

COUNTY Howard

SUBDIVISION Parcel 13A

NEAREST TOWN Cooksville

MILES FROM TOWN (ENTER 0 IF IN TOWN) 1 1/2

**B 2 WELL INFORMATION**

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 750

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING, AGRICULTURE, IRRIGATION

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT

MUNICIPAL WATER SUPPLY

PRIVATE WATER COMPANY

TEST

**B 4 DIRECTION FROM TOWN**

EAST

ROAD WHAT Monticello Ave

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  EAST

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 1/10

APPROXIMATE DEPTH OF WELL 150 FEET

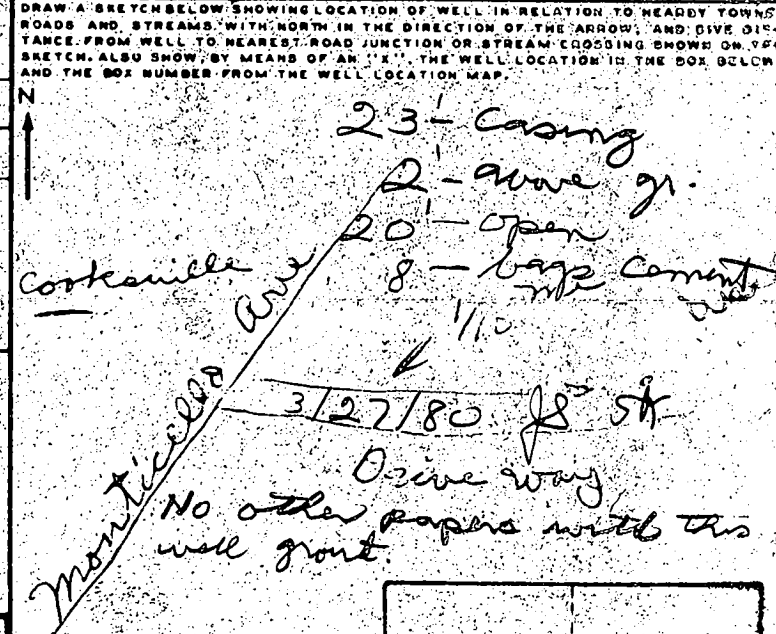
APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

CORED (OR AUGERED)  JETTED  DRIVEN

AIR-ROTARY  AIR-PERCUSSION  ROTARY (HYDRAULIC ROTARY)

CABLE  REVERSE-ROTARY  DRIVE-POINT



**REPLACEMENT OR DEEPEINED 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 DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

**NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)**

APPROPRIATION PERMIT NUMBER 84

ENGINEER REVIEW DISTRICT NO. 85

FORCE INITIALS IN BOX 87 88

CONDITIONS 89 90 91 92 93 94 95 96 97 98 99

BOX NUMBER 790

540

NORTH COORDINATE 00 01 02 03 04 05

EAST COORDINATE 06 07 08 09 10 11

ELEVATION AT WELL HEAD (FEET) 00 01 02 03 04 05 06 07 08

**B 4 CONTINUED HEALTH DEPARTMENT APPROVAL**

DATE 032380

APPROVED BY Donald W. Monaghan, Sanitarian

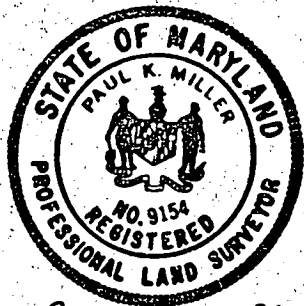
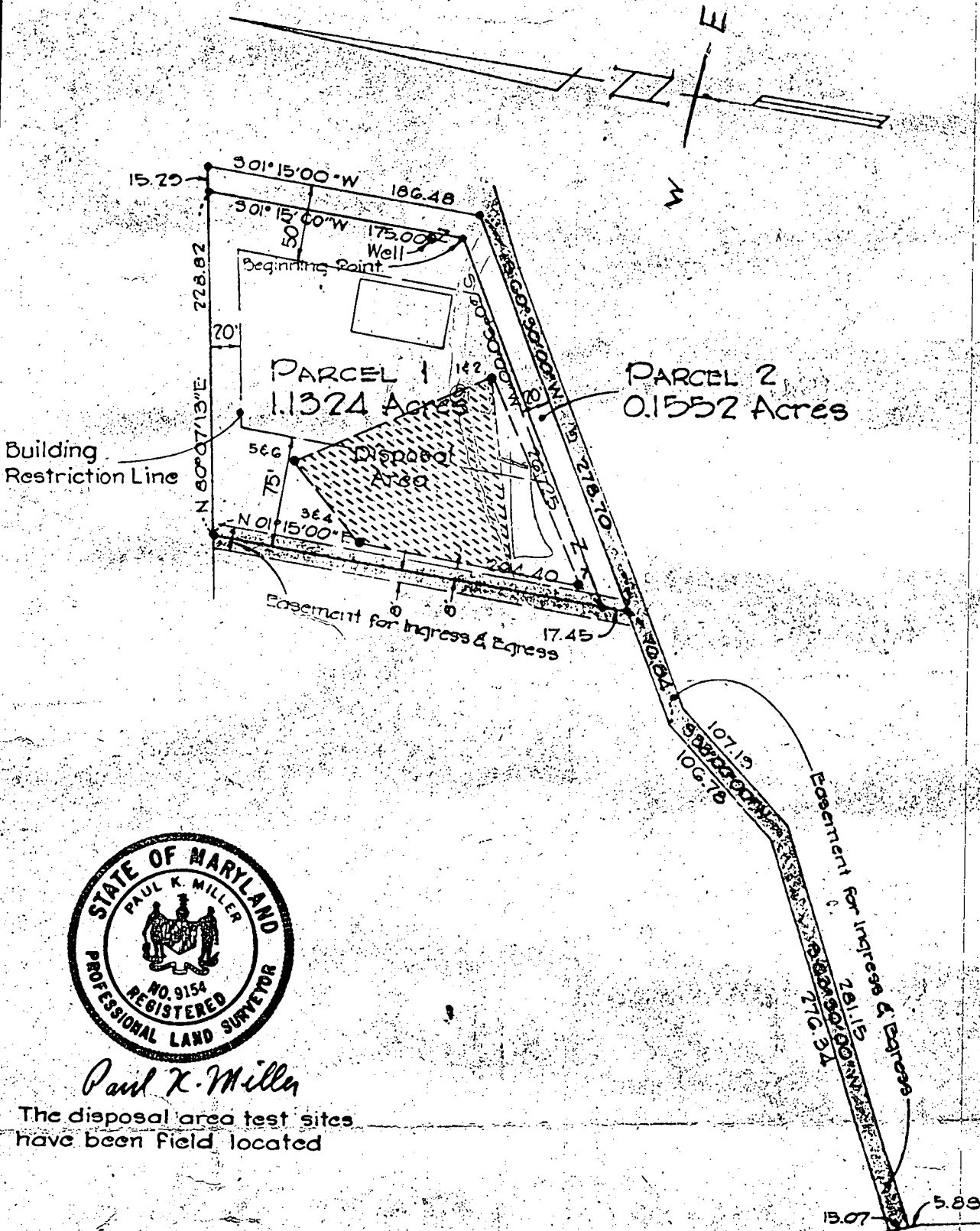
**B 5 SPECIAL CONDITIONS (WRA USE ONLY)**

# Plat of Survey

## 4th Election District - Howard County, Maryland

Scale: 1" = 100'      February, 1975

ROBERT WOOD & ASSOCIATES, INC.  
 ENGINEERS, SURVEYORS & LAND PLANNERS  
 2419 REEDIE DRIVE  
 WHEATON, MARYLAND 20902  
 Tel. 301-201-1111



*Paul K. Miller*

The disposal area test sites  
 have been field located

MARYLAND  
 RT. 97

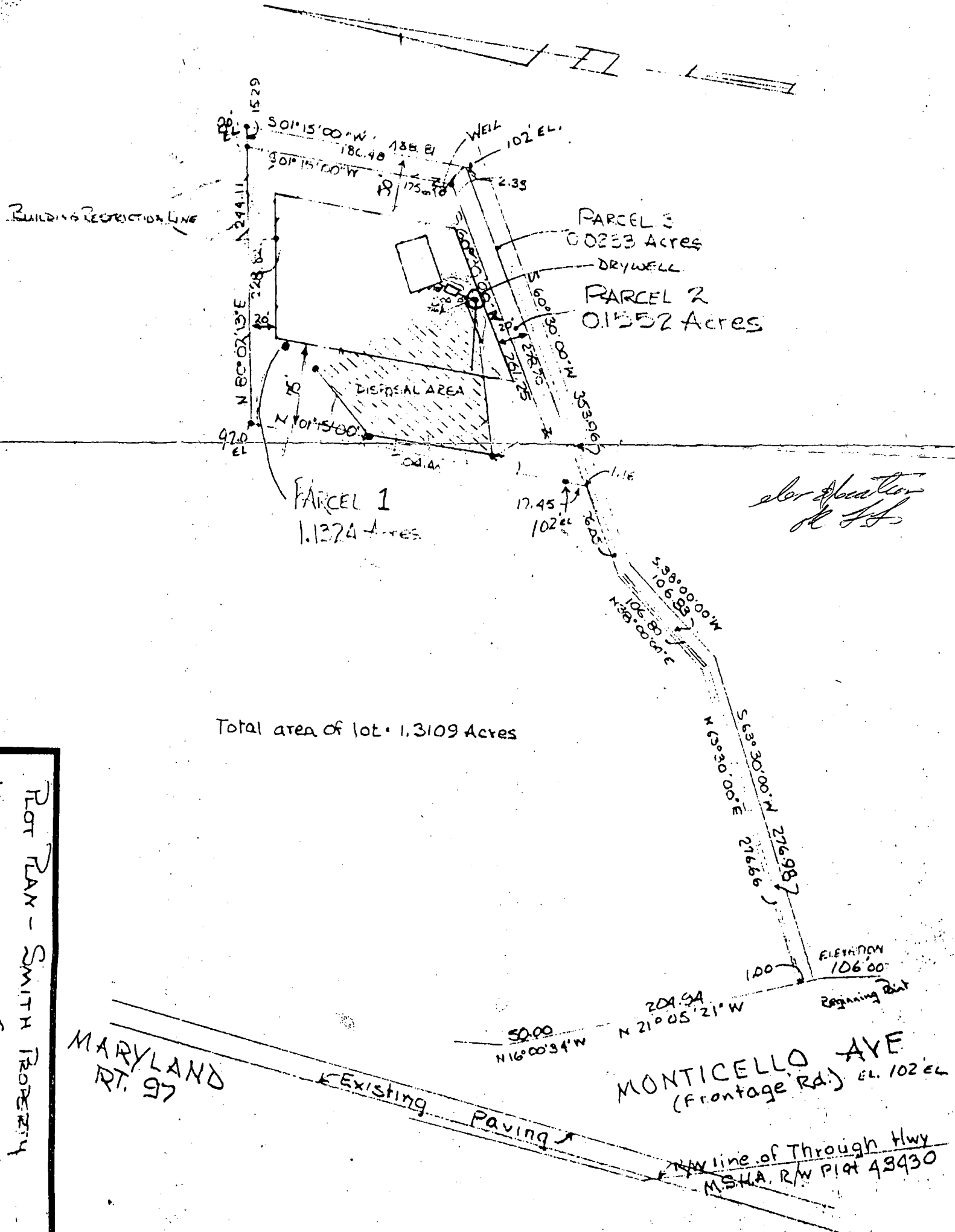
MONTICELLO AVE.  
 (Frontage Rd.)

Approved:  
 For private water and private sewer  
*Palmer F. Wine 6/20/75*  
 Dr. J. Brett Lazar  
 County Health Officer      Date

R.W. line of Through Hwy.  
 P.D.H.A. R.W. Plat 43430

DRYWELL TO HAVE 290<sup>sq</sup> ABS.  
 AREA 4(2x5) WITH ONE (1)  
 60' TRENCH WITH 300<sup>sq</sup> ABS.  
 AREA 60'x5'  
 YIELD 540<sup>sq</sup> ABSORCENT AREA.  
 NEEDED FOR 3 20 2u.  
 166 x 3 = 498<sup>sq</sup>  
 5' EARTH BUFFER BETWEEN  
 DRYWELL AND TRENCH

ELEVATIONS:	
BASEMENT FLOOR:	95.00'
FIRST FLOOR:	104.00'
SEPTIC TANK	
INVERT OUT OF HOUSE	97.00'
EXISTING GRADE AT TANK	102.50
PROPOSED GRADE	102.50
INVERT INTO TANK	96.80
INVERT OUT OF TANK	96.50'
DRYWELL EXISTING GRADE	101.50'
PROPOSED GRADE	101.50
INVERT INTO DRYWELL	96.00'
WELL ELEV. 100.50' TO 102.0'	



*for operation*  
*W.H.*

LOT 13A FORESTHURST ESTATES HOWARD COUNTY, MD.	
DATE: 4-14-80	APPROVED BY:
SCALE: 1" = 100'	DRAWN BY:
TERZA DEVELOPMENT, INC. 16105 FREDERICKS RD. LISBON, VA 21766	REVISED 5/10/80
PROJECT: 01000 FOUND: 2000	ELEVATIONS FIELD ESTABLISHED
PROJECT: POT PAN - SMITH PROPERTY	DRAWING NUMBER

HEALTH AUTHORITY APPROVAL for location shown  
 SEWAGE DISPOSAL SYSTEM APPROVED AS SHOWN  
*W.H. Moringham* APRIL, 1980  
 AUTHORIZED SIGNATURE DATE