

9/4/98  
Sale to Ensign 100am  
9/11/98 10 AM  
10/20/98 11:00 AM  
10/22/98 9 AM  
Pump Test

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

9/11/98 Needs  
pump performance  
test

P 510188

A 50463-0H

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

360559  
INDEXED

DISTRICT \_\_\_\_\_

DATE 06/08/98

DATE SYSTEM APPROVED 10/22/98

INSPECTOR [Signature]

Walter King Plumbing /Heating Contractors IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 5305 King's Court, Frederick, Maryland 21703-6981 PHONE 301-831-4070

SUBDIVISION Riggs Property LOT 37 ROAD 2020 Meadow Tree Court

PROPERTY OWNER Ryan Homes

ADDRESS \_\_\_\_\_

#### PUMPED SEPTIC SYSTEM

SEPTIC TANK CAPACITY 1250 GALLONS

INSTALL: 1250 Gallon Pump Pit

NUMBER OF BEDROOMS 4

NOTES: - Septic pump detail to be provided by installer prior to issuance of septic permit.

180 SQUARE FEET PER BEDROOM

- Pump performance test is necessary prior to Health department approval of pumped septic system.

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 120 feet off the right (375.36') lot line and 70 feet off the rear (175.42') lot line as seen from Meadow Tree Court. Run first trench along contour towards the 158.11' lot line; run all other trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok [Signature] 6-16-98

PLANS APPROVED BY Donna K. Soe DATE 6/05/98

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

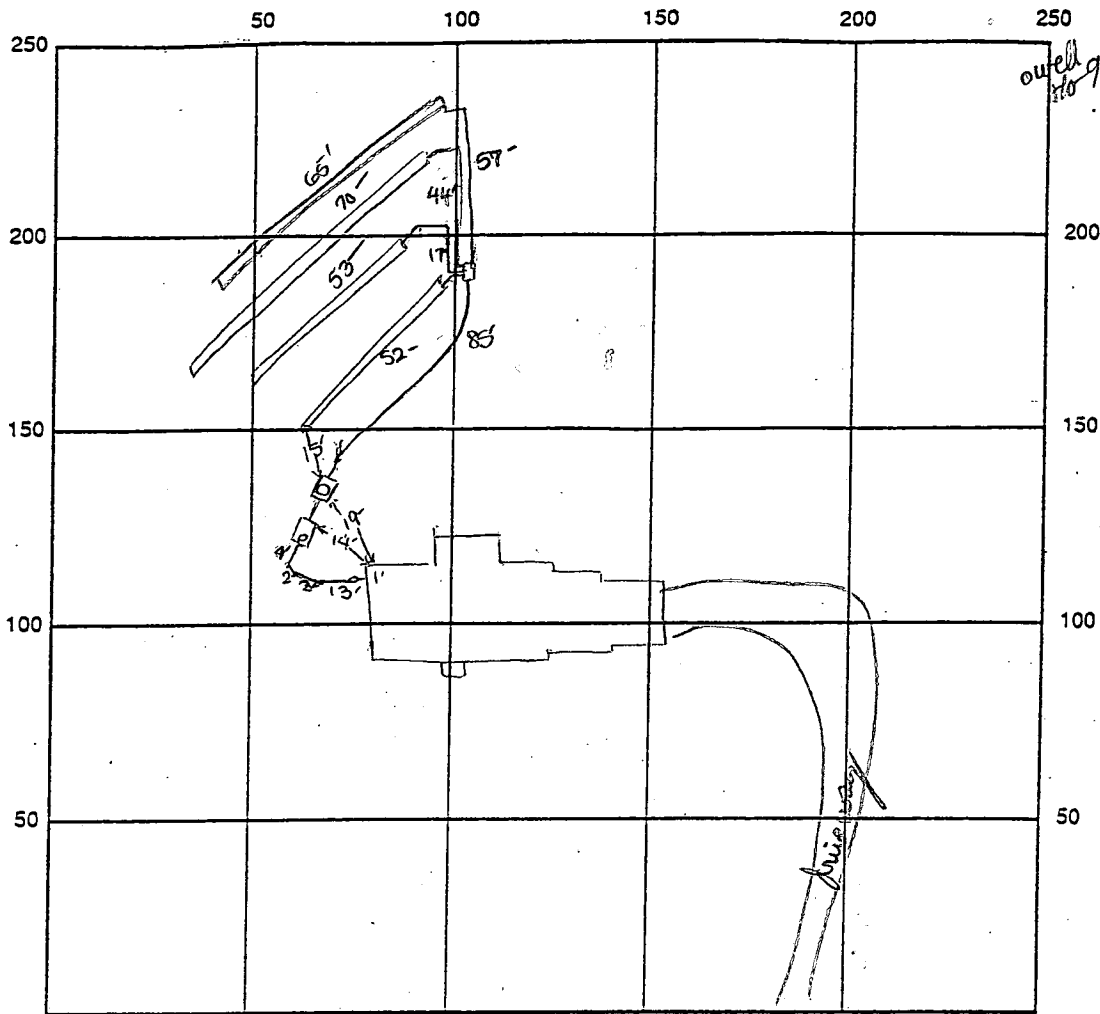
PERMIT VOID AFTER TWO YEARS

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 50463H



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

meadow tree court

SEPTIC TANK LEVEL OK-1250 gal s.t. CLEANOUTS one on s.t., manhole on pump pit  
 DISTRIBUTION BOX LEVEL OK 1250 gal pump pit

DRAIN FIELD/TITLE DEPTH 5.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 253.865 FT.  $\rightarrow$  240

NUMBER OF TRENCHES 4 ONE SIDEWALL BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 9/4/98 Contract different than approved BP site plan -  
installer to place the dist. box at highest part of septic area -  
OK to install system. DKS

9/11/98 OK to cover all septic work. Needs pump performance  
test. DKS Pump won't Turn off, No Automatic Control Box for pump - Call for bearing when fixed. 10/12/98  
Pump Test work on automatic as does alarm. OK to cover 10/12/98

DATE SYSTEM APPROVED 10/21/98 INSPECTOR [Signature]

**Approved Septic System Plan**  
**Howard County Health Department**

*Donald K. See*  
 Signature

6/5/98  
 Date

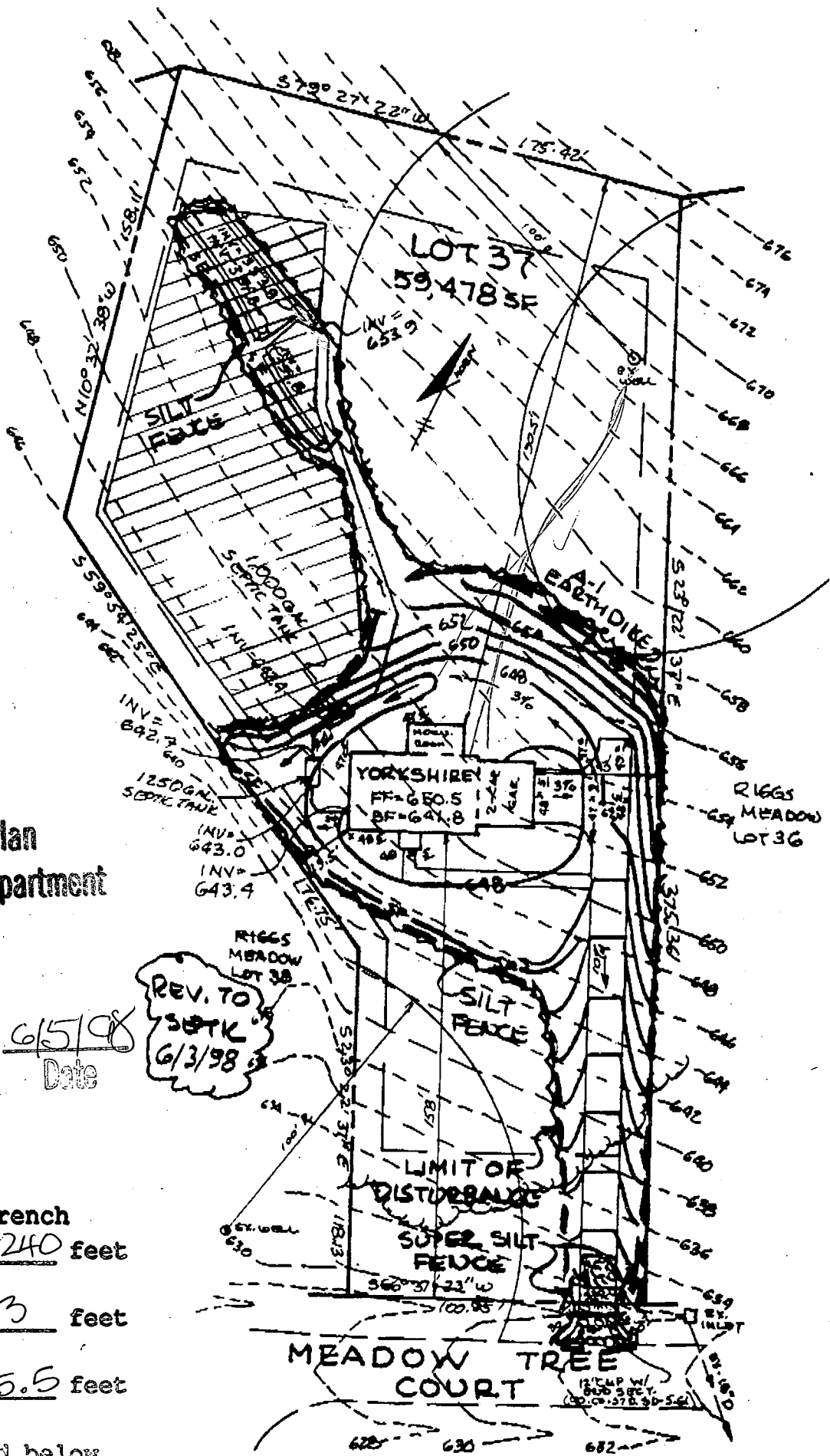
REV. TO  
 SEPTIC  
 6/3/98

Total linear feet of trench  
 required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 5.5 feet

Depth of stone required below  
 distribution pipe 2 feet

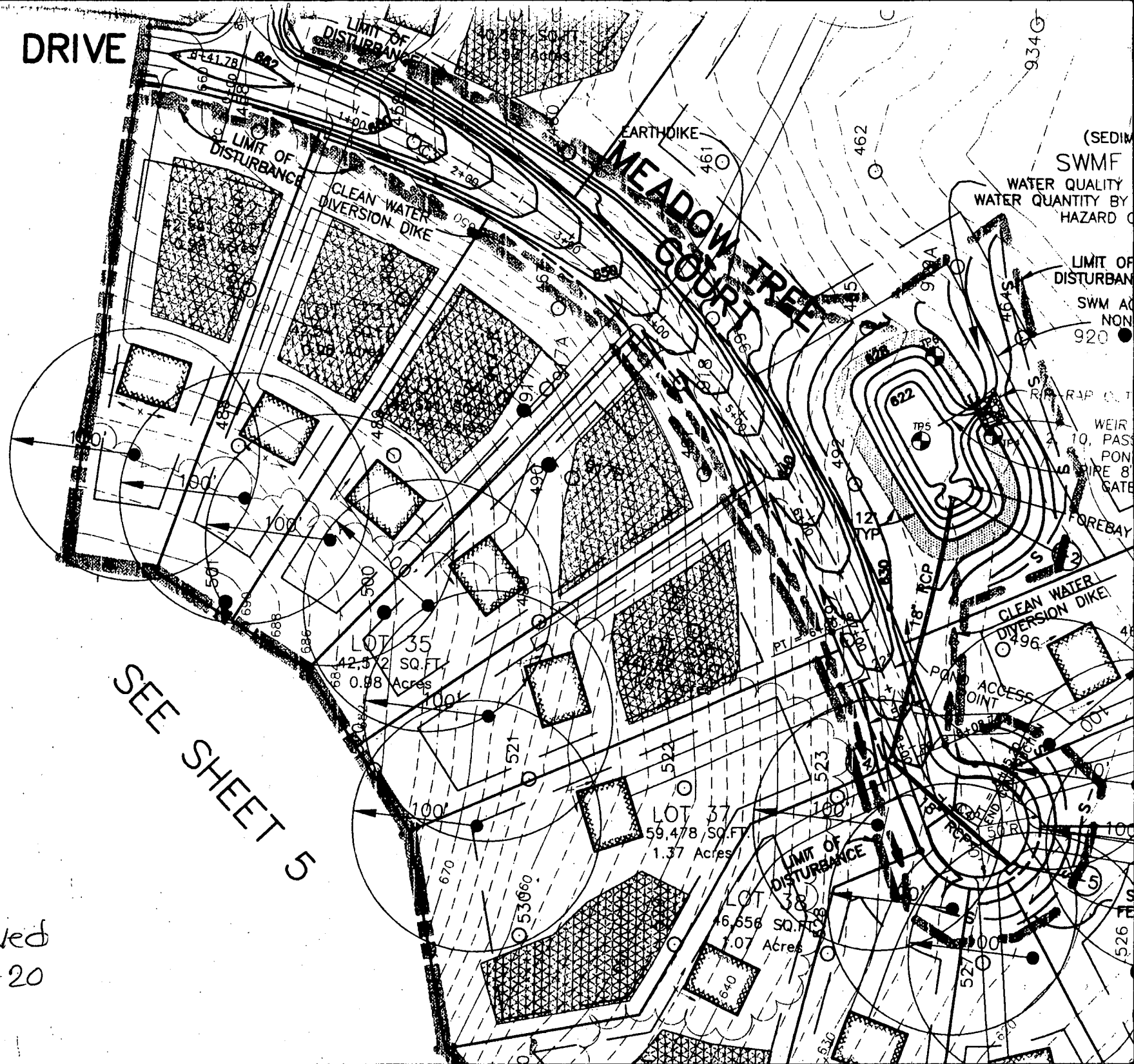


# SCENIC DRIVE

MATCH LINE

SEE SHEET 5

Approved  
P-96-20



(SEDIM  
SWMF  
WATER QUALITY  
WATER QUANTITY BY  
HAZARD

LIMIT OF  
DISTURBAN

SWM AC  
NON  
920 ●

WEIR  
10, PAS  
PON  
PIPE 8"  
GATE

FOREBAY

CLEAN WATER  
DIVERSION DIKE  
496

ACCESS  
POINT

LIMIT OF  
DISTURBANCE

S  
FE

526

526

# APPLICATION

50463 F  
A 50368

## PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
PO BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

DISTRICT 4th  
DATE 9/30/94

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 Amalia Riggs, c/o SDC Group, Inc. Ryan Homes  
8480 Baltimore - National Pike  
ADDRESS PO BOX 417, Ellicott City, MD 21041 PHONE (410) 465-6105

PROSPECTIVE BUYER \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION: \_\_\_\_\_  
SUBDIVISION Riggs Property LOT NO. Grd. 1 37-SPD-4Bm

ROAD AND DESCRIPTION Located @ SW Corner of the intersection of  
Roxbury Mill (Rte. 97) & Frederick Rd (Rte 144)  
(2020 MEADOW TREE Ct)  
TAX MAP 8814 PARCEL # 96

SIZE OF LOT 55000 ± S.F. TYPE BLDG Single Family Dwelling  
(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. James R. Morley, III V. Pos  
(SIGNATURE OF APPLICANT)

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

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

# THIS IS NOT A PERMIT

COUNTY #:

SOIL PROFILE

522

0' lgt  
beigh  
SaClm

5.5 orange  
red  
SiLm  
very

dry hard  
looks  
like rock  
coming  
out but  
breaks  
into  
powder)

529 551

4 pink  
ClLm

lgt  
tan  
pink  
SiLm

very  
powdery  
few  
large  
rocks  
not  
interconnected

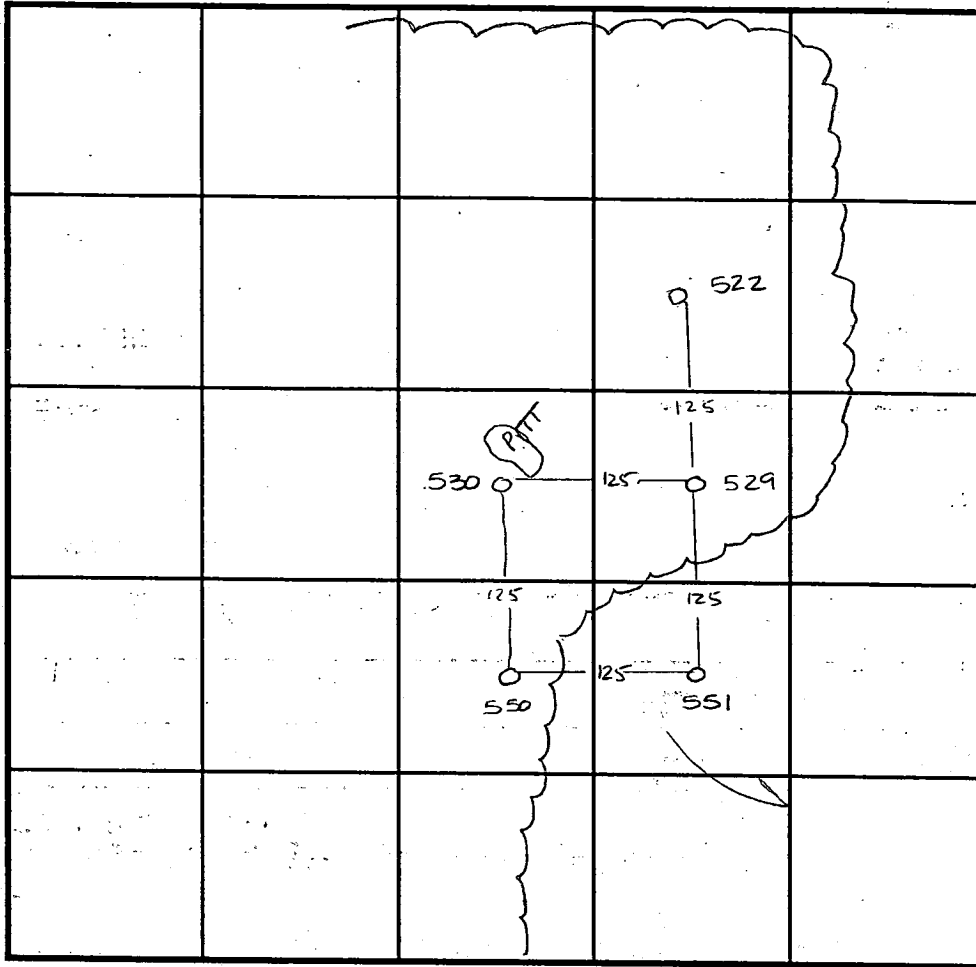
10.5 refusal

550

1.5 topsoil  
red  
ClLm

4.0 orange  
to  
tan  
SaSiLm  
L5010

rock  
brags  
throughout  
OK



SOIL PROFILE

530

0' topsoil

1.0 brn  
orange  
ClSaLm

3.0 pink  
SaLm

11.0 greyish  
SaSiLm

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. MILLERS MILL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-2-94	522	6.0 V12.0	6:20 <sup>30</sup>	6:24 <sup>30</sup>	6:24 <sup>30</sup>	6:31 <sup>45</sup>	7 1/4 min
	529	5 V10.5	6:10 <sup>30</sup>	6:12	6:12	6:14	2 min
	551	5' V11.5	5:40 <sup>30</sup>	5:41 <sup>30</sup>	5:41 <sup>30</sup>	5:43 <sup>30</sup>	2 min
11-3-94	550	4' V11.5	5:48 <sup>45</sup>	5:50 <sup>30</sup>	5:50 <sup>30</sup>	5:54	3 1/2 min
	530	5' V11	6:28 <sup>30</sup>	6:29	6:29	6:30 <sup>30</sup>	1 1/2 min

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillen ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

C 1 4190 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 COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A 50463-F

ST/GO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 050696

Depth of Well 200

PERMIT NO. 40-94-0755

OWNER SDC STREET OR RFD SUBDIVISION RIGGS PROPERTY SECTION 7 TOWN CHOKSVILLE LOT 37

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes handwritten entries: Brown Shale (0-15), Gray Mica Rock (15-200).

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (7), NO. OF POUNDS (658), DEPTH OF GROUT SEAL (0-20).

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT).

MAIN CASING TYPE: Nominal diameter (6), Total depth of main casing (22).

OTHER CASING (if used) table with diameter and depth columns.

SCREEN RECORD: screen type or open hole (ST, BR, HO, PL, OT).

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED: Y (no).

CIRCLE APPROPRIATE LETTER: A (well abandoned and sealed), 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...

TYPE: MWD/MSD/MGD 24; DRILLERS LIC. NO. [blank]

DRILLERS SIGNATURE [Signature]

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 27; DRILLER SIGNATURE [Signature]

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

DEPTH (nearest ft.) grid: 1-200, 3-200, 4-200, 5-200, 6-200, 7-200, 8-200, 9-200, 10-200, 11-200, 12-200, 13-200, 14-200, 15-200, 16-200, 17-200, 18-200, 19-200, 20-200.

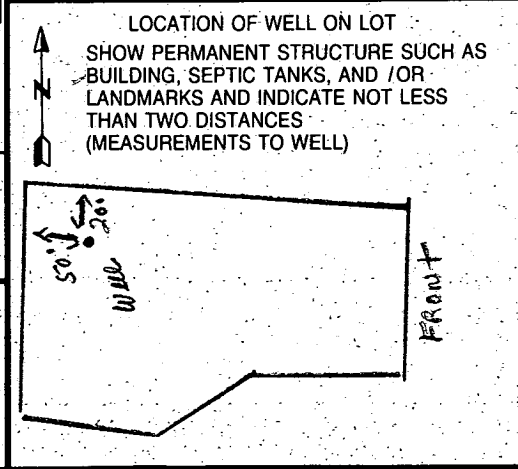
SLOT SIZE 1, 2, 3; DIAMETER OF SCREEN (NEAREST INCH) grid.

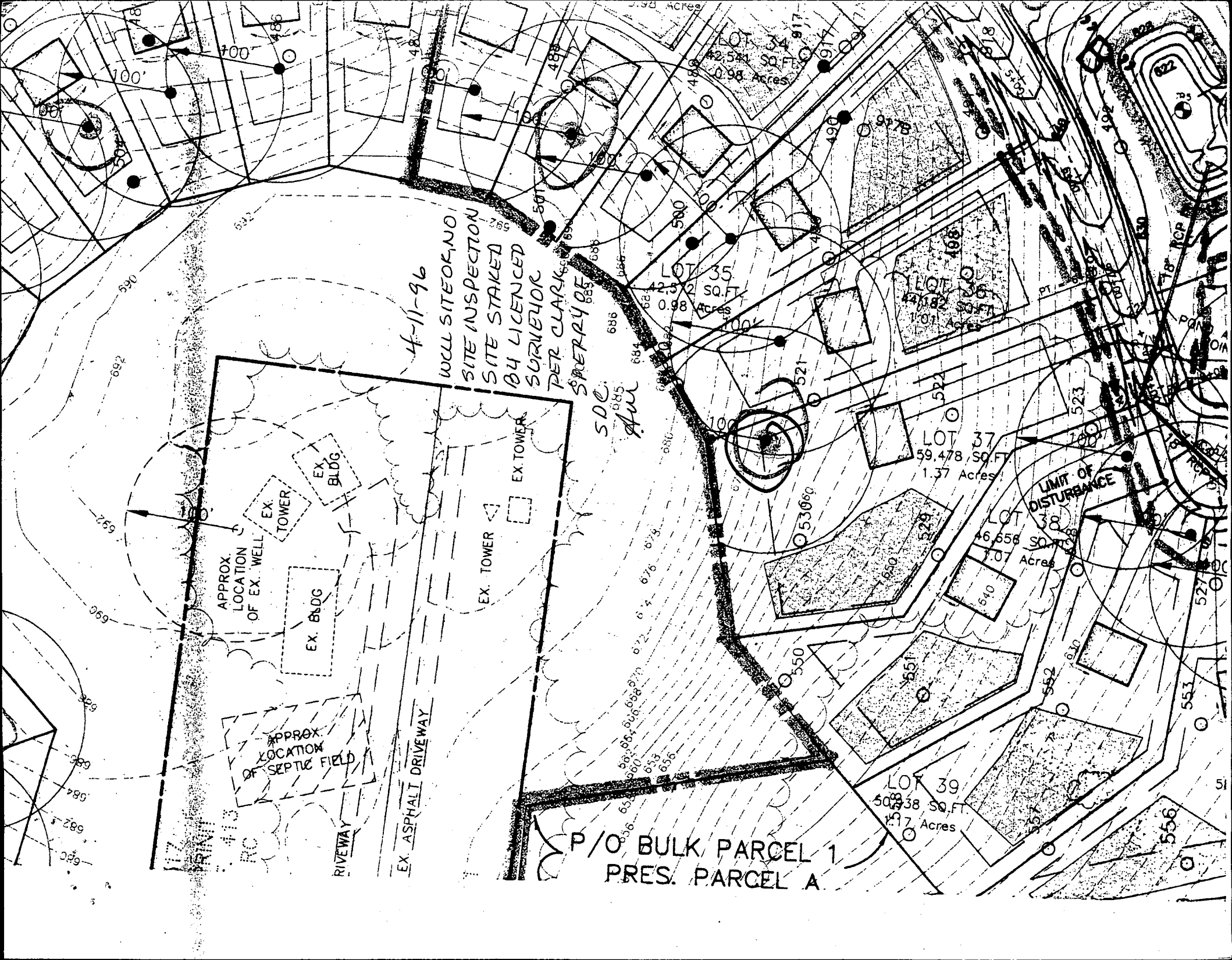
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED (3), PUMPING RATE (004.5), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (46), BEFORE PUMPING (17), WHEN PUMPING (22), TYPE OF PUMP USED (S) submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE (to nearest gallon), PUMP HORSE POWER, PUMP COLUMN LENGTH (nearest ft.), CASING HEIGHT (+) above, LAND SURFACE (2) (nearest foot).





4-11-96  
WILL SITEOK, NO!  
SITE INSPECTION  
SITE STAKED  
BY LICENCED  
SURVEYOR  
PER CLARK  
SPERRY OF  
SDC.

APPROX.  
LOCATION  
OF EX. WELL

APPROX.  
LOCATION  
OF SEPTIC FIELD

EX. ASPHALT DRIVEWAY

P/O BULK PARCEL 1  
PRES. PARCEL A

LIMIT OF  
DISTURBANCE

LOT 37  
59,478 SQ. FT.  
1.37 Acres

LOT 38  
16,556 SQ. FT.  
1.07 Acres

LOT 39  
50,938 SQ. FT.  
1.17 Acres

LOT 35  
0.92 SQ. FT.  
0.02 Acres

622

556

553

527

523

522

521

520

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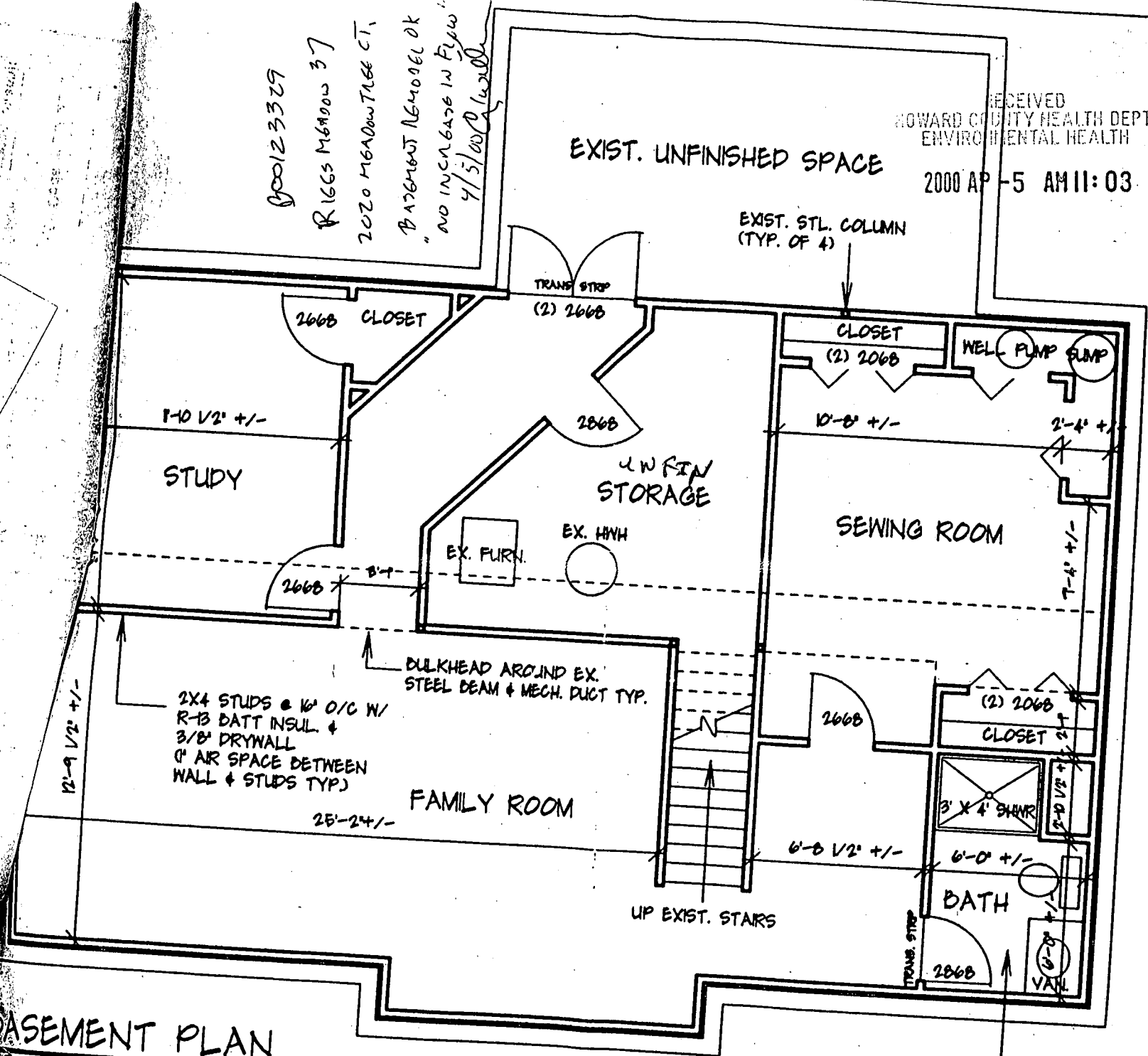
000123329  
 RIGGS M69000 37  
 2020 MEADOW TREE CT.  
 BAYBROT N6 MODEL OK  
 "NO INCH 6476 IN FIG 1"  
 7/5/00

RECEIVED  
 HOWARD COUNTY HEALTH DEPT.  
 ENVIRONMENTAL HEALTH  
 2000 AP - 5 AM 11:03

MARIO MANNARELLI  
 & SONS  
 (410) 461 - 2278

EXIST. UNFINISHED SPACE

EXIST. STL. COLUMN  
 (TYP. OF 4)



BASEMENT PLAN

SCALE: 3/16" = 1'-0"

EXISTING PLUMBING ROUGH-INS  
 MAY VARY FROM THAT SHOWN

PROPOSED FINISHED BASEMENT FOR:  
 Grahams Residence

2020 MEADOW TREE CT.  
 GLENWOOD, MD 21738