

Cs. Now ~~original~~  
8/30/96

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

# 319121

P 57105C

A 50065-B

DISTRICT 3rd

DATE 8/26/96

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

DATE SYSTEM APPROVED 9/3/96

INSPECTOR [Signature]

### INDEXED

Wm Cumberland

WTC III Plumbing & Heating, Inc.

IS PERMITTED TO INSTALL  ALTER

ADDRESS 1820 Gillis Falls Road, Woodbine, Maryland 21797 PHONE 489-4457

SUBDIVISION West Friendship Estates LOT 52 ROAD 13109 FOX PATH LANE  
3116 River Valley Chase

PROPERTY OWNER James Kohosek

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Begin trenches 130' down the 220.00' lot line and 80' off that same lot line. Run first 2 trenches toward the left lot line (as seen when facing lot from pipe stem), then run remaining trenches 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. 7/18/96 OK ALON

PLANS APPROVED BY Donna K. Soe DATE 7/1/96

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

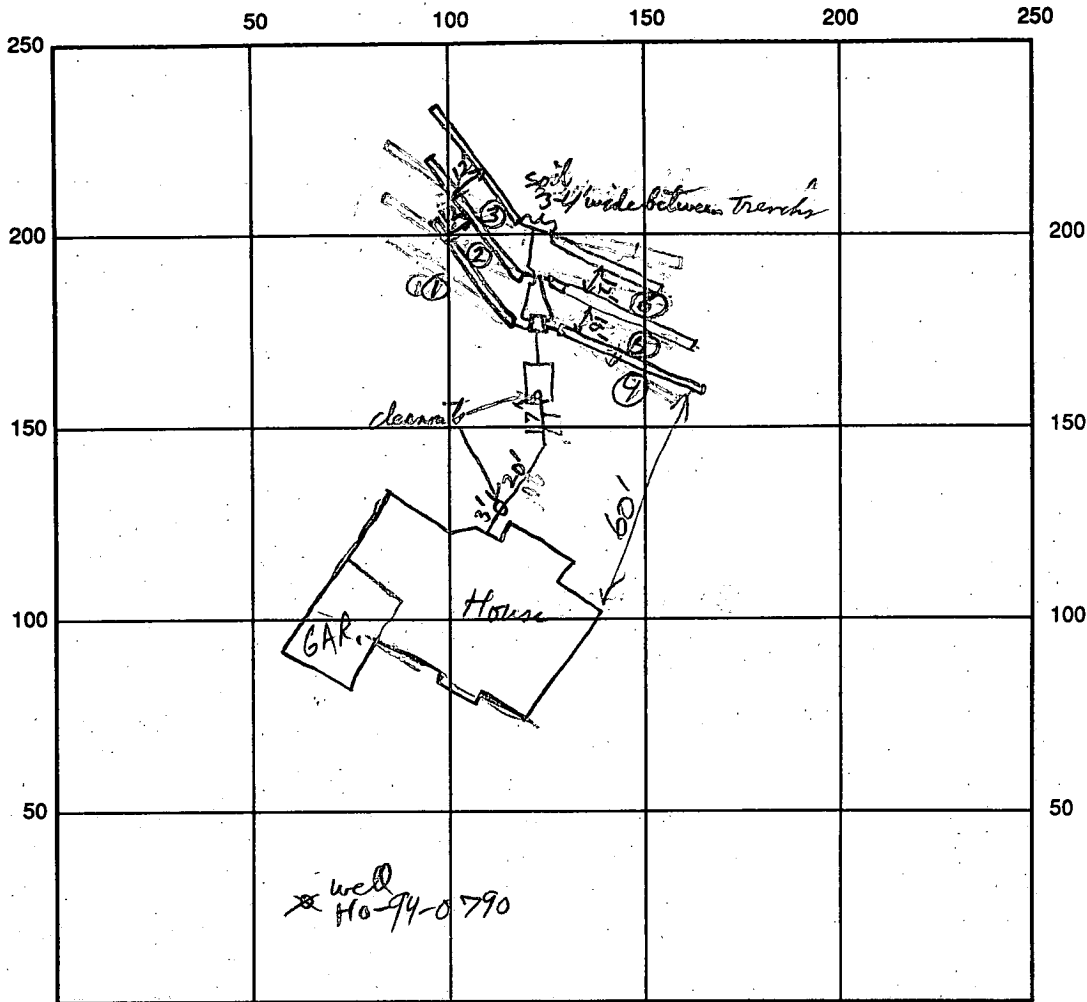
PERMIT VOID AFTER TWO YEARS

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**

A 50065-B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 gal? OK CLEANOUTS S.T. & House (under slab)

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

DRAIN FIELD/TITHE DEPTH Not great inspection 5 1/2? FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 12,345/6 / 50 ea / 30 FT. = 280 LF

NUMBER OF TRENCHES 6 ONE SIDEWALL/BOTTOM AREA \_\_\_\_\_ SQ. FT.

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

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

REMARKS: House Connected, Septic Trenches, Septic Tank OK to cover Trenches all gravel filled - unable to confirm  
Problem with feeder line & dr. Dist box has only 5 outlet ports - so installer took feeder lines (but got of  
for trenches 2+5 and 3+6 to "T" connection - flow to these trenches would be unbalanced  
Need separate feeder lines to each of 6 trenches (I call to discuss Tuesday 8/30/96 P/P Contractor claims  
another sanitarian (AP) okayed this pipe array, I said OK for this time but this method (in the future) is more suitable  
when connected trenches are continuously gravel filled. OK to cover P/P 9/3/96

DATE SYSTEM APPROVED 9/3/96 INSPECTOR [Signature]

For No  
6/3/94  
6/9

# APPLICATION

PERCOLATION TESTING

A 50065B

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 4/2/94

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 West Friendship Estates Inc James Rohobek

ADDRESS C/O Land Design & Dev 10805 Hickory Ridge Rd PHONE 740-2100

AGENT OR PROSPECTIVE BUYER Mark Reich

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

PROPERTY LOCATION: See

SUBDIVISION West Friendship Estates I LOT NO. 538 Now 5a ↔ LOT 4

ROAD AND DESCRIPTION Route 32 + West Ivory Rd  
3116 River Valley Chase

TAX MAP 15+22 PARCEL # 32,42+533

5. PD - 4 BRMS  
BLDG. PERMIT SIGNED  
**AND RETURNED 7-1-96**  
Serial # B00100 538

SIZE OF LOT 1 ± acre TYPE BLDG. SFD  
(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]  
(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

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

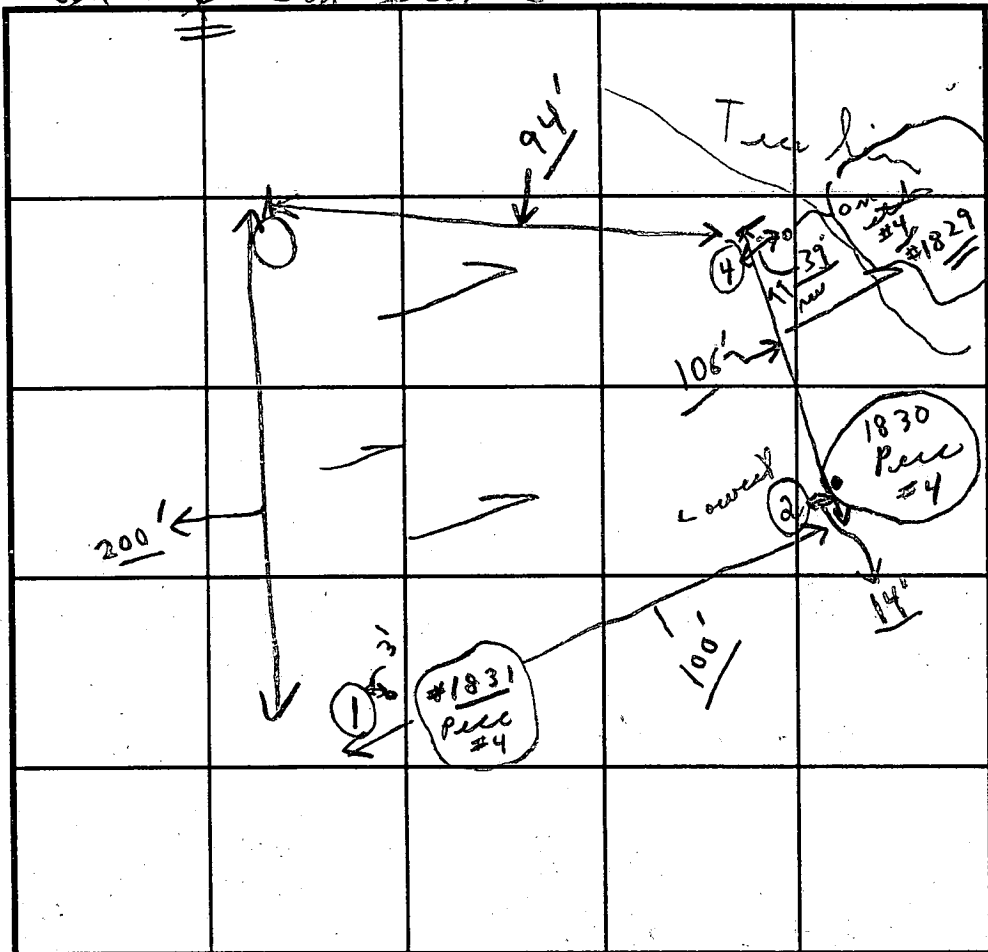
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

Now 52  
 A50065B  
 COUNTY #

LOT # ~~53~~  
 LOT # 52 [on stake]

SOIL PROFILE  
 Hole # ①  
 0' - 3 1/2'  
clay  
 3 1/2'  
Sandy  
Loam  
 10'  
Bottom



SOIL PROFILE  
 Hole # ④  
 0' - 3'  
clay  
 3'  
Sandy  
Loam  
 10' ±  
Bottom

Hole # ②  
 0' - 4' ±  
clay  
 4' ±  
Sandy  
Loam  
 11 1/2'  
Bottom

Hole # ③  
 0' - 3' 3"  
clay  
 3' - 3"  
Loam  
 10'  
Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/9/94	① 1831	8'	10:35	10:36	10:36	10:37	1 min
(Thin)	①	10'	0' - 1'		all mica		
Fulcrum	②	Visual					
	②	11 1/2'	0' - 4 1/2' clay				
			4' - 11 1/2'		all sandy loam		
	③	3' 3"	10:09	10:10	10:10	10:11 1/2	1 1/2 min
Lowest	③	10'	0' - 1'				[Used for LOT ③ + ④]
	④	3'	10:43	10:44	10:44	10:46	2 ± min
		10 ±'	0' - 1'				Sandy loam
							(Some high grass)

REMARKS 6/9/94 Tests in open; Tests per above & stake  
 TYPE OF SOIL Loam  
 TESTED BY C.B.D. ALSO PRESENT { Sylvia 0' 9" }  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 13'  
 INLET DEPTH 3 1/2' MAXIMUM BOTTOM DEPTH 5 1/2' SQ. FT./BEDROOM 210  
Shallow Only

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER \_\_\_\_\_

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

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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# THIS IS NOT A PERMIT

COUNTY #

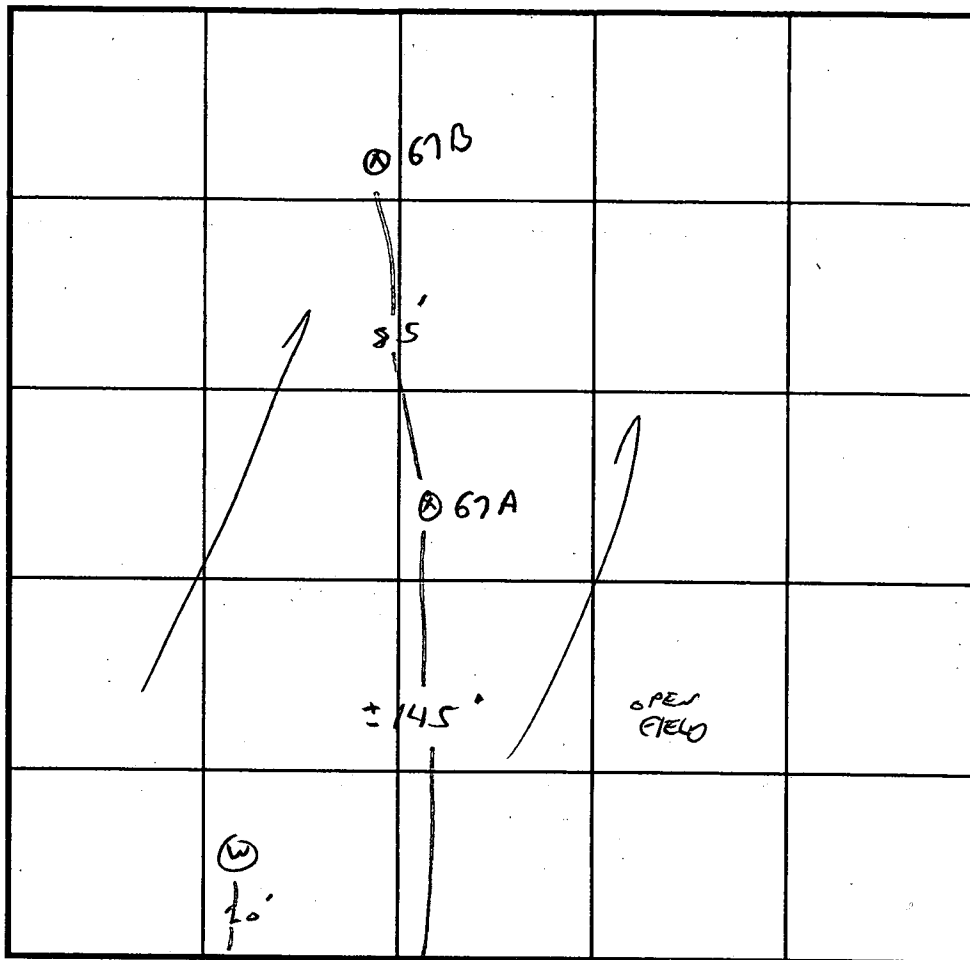
SOIL PROFILE

0'

Empty rectangular box for soil profile notes.

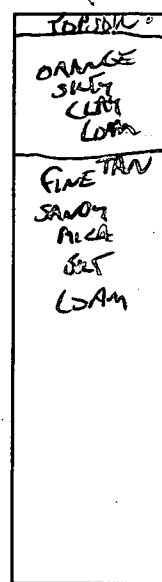
Empty rectangular box for soil profile notes.

Empty rectangular box for soil profile notes.



SOIL PROFILE

0'



67A

67B

SIMILAR

12  
OK TO PROCEED  
WITH ORIGINAL  
AND SEPTIC  
PERMITS

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
PROPOSED ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-7-96	67A	ok to 8" / 12	VISUAL	-ok			
	67B	ok to 8" / 11 1/2	VISUAL	-ok			

REMARKS LOT 52, VISUAL EVALUATION OF ESTABLISHED PERC AREA

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

TESTED BY G. SAVAGE ALSO PRESENT \_\_\_\_\_

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

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

C1 = 4592

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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 50065-B

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well:

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Greenfield Homes STREET OR RFD River Valley Chase TOWN W Friendship SUBDIVISION West Friendship Est SECTION I LOT 52

WELL LOG Not required for driven wells

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

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, Sand Stone, MICKA.

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 48 NO. OF POUNDS 800

CASING RECORD

MAIN CASING TYPE (PL) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 30

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

SCREEN RECORD screen type or open hole (HO) insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

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...

TYPE: MWD (MSD) MGD DRILLERS LIC. NO. 116

DRILLERS SIGNATURE (Must match signature on application)

LIC. NO. 117 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) HO 28 205

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

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

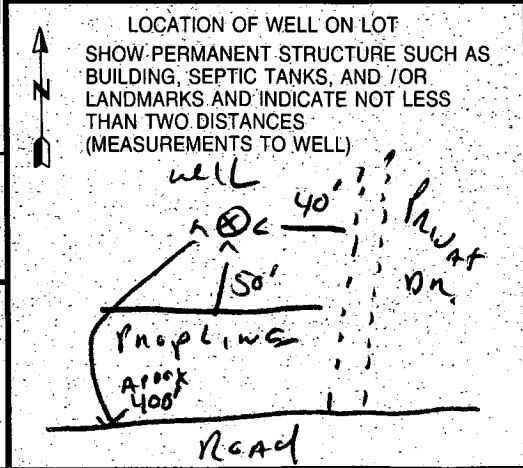
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 100 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 41 ft. WHEN PUMPING 64 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. 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 (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

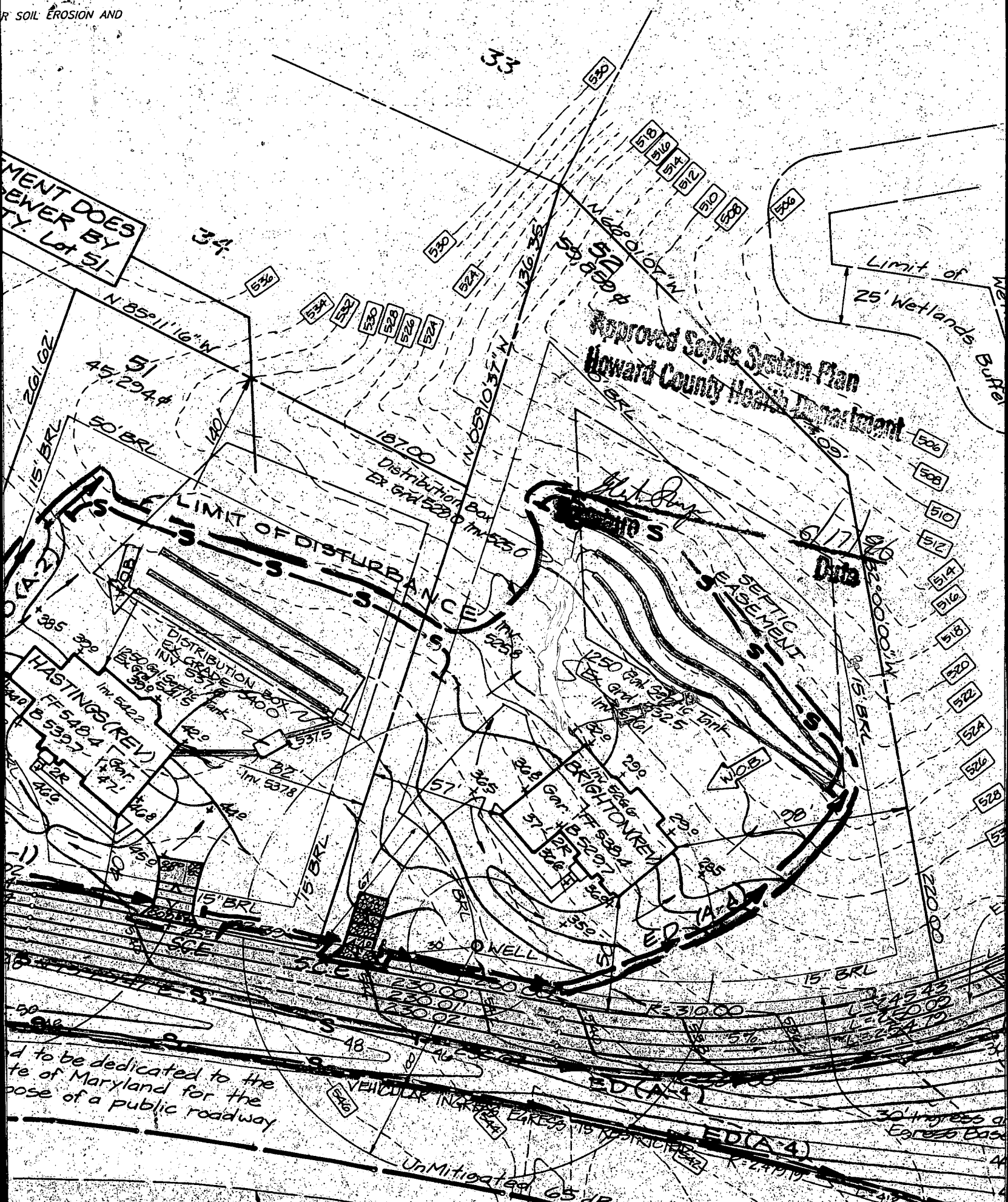


... sq ft) of unrotted small  
after application using  
of emulsified asphalt  
acre (8 gal/1000 sq ft)

STABILIZED  
NO SCALE

...R SOIL EROSION AND

MENT DOES  
WER BY  
TY Lot 51



d to be dedicated to the  
te of Maryland for the  
pose of a public roadway

UnMitigated 65 dB

ED(A-4)

30' ingress of Easement Base