

11/21/96
M drawing
BILL CONSIDERING SMT
P.M. KNOWS THAT A PORTION OF
TRENCHES ON S.E. OF S.O.A. G.S.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57085B

A 50065-E

DISTRICT 3rd

DATE 8/26/96

DATE SYSTEM APPROVED 11/21/96

INSPECTOR DKS

319164

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~██████████~~ 313-2640

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 55 ROAD 13128 FOX PATH LANE 3104 River Valley Chase

PROPERTY OWNER Le Roy Wildy

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 - Place the distribution box 110' from the 220.78' lot line and 95' from the 290.00' lot line. Run trenches on 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 8/1/96 DKS

PLANS APPROVED BY Mark Rifkin DATE 7/18/96 VR

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

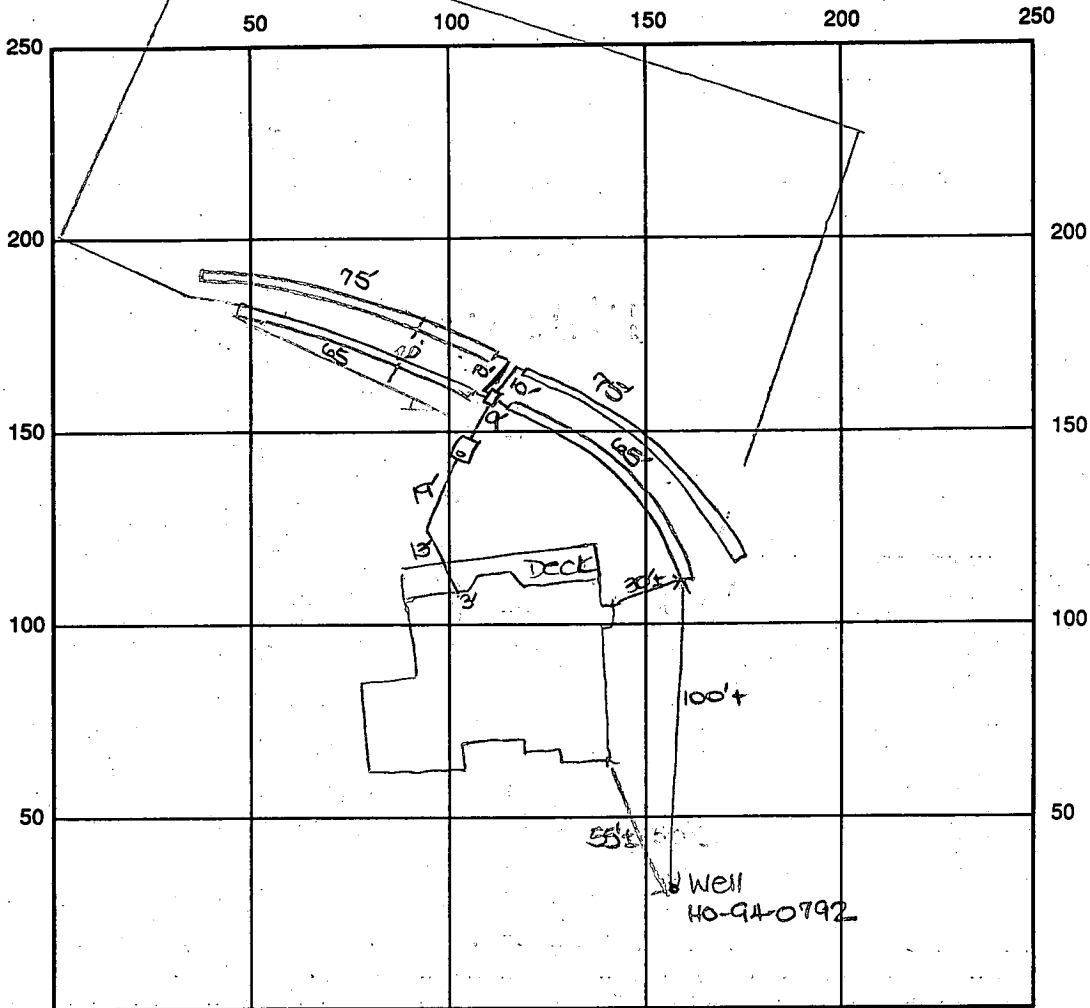
PERMIT VOID AFTER TWO YEARS

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-E



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Fox Path Lane

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one on s.t.

DISTRIBUTION BOX LEVEL OK

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH $\frac{2 \times 65}{2 \times 75}$ FT. \rightarrow 280'

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA 840 SQ. FT.

REMARKS: 11/20/96 Installer reports starting 1st 20' lower in septic area than shown on BP because of grading. Length will be made up on other side ALM

11/21/96 FINAL INSP - OK to cover all work. DKS
(called installer, left message - no permit card @ site)

DATE SYSTEM APPROVED 11/21/96 INSPECTOR DANOK JOEL

2 4/16
FOT - No
6/3/94
(P.M.)
6/9

APPLICATION

PERCOLATION TESTING

A 50045E

P _____

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

DISTRICT _____

DATE 6/2/94

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 ~~Le Roy Wildy~~
C/O Land Design & Dev
ADDRESS 10805 Hickory Ridge Rd PHONE 740-210

AGENT OR PROSPECTIVE BUYER Mark Reich
ADDRESS _____ PHONE _____

PROPERTY LOCATION: NOW 55 LOT
SUBDIVISION West Friendship Estates I LOT NO. 56 ← (6)
ROAD AND DESCRIPTION Route 32 + West Ivory Rd

TAX MAP 15+22 PARCEL # 32,42+533
SIZE OF LOT 1 ± acre TYPE BLDG. SFD - 4 BRMS
(SINGLE FAMILY DWELLING OR COMMERCIAL)
BLDG. PERMIT SIGNED AND RETURNED 7-1-96
Serial # B00100 543

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.
Mark Reich
(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 55 LOT # 6 (W.F) ← R32 → → Generaly

A# 50065E COUNTY #

LOT # 6 ← S on stakes

Wire Fence

SOIL PROFILE Hole # ①

0'-3"± Clay
3' (ALL SANDY LOAM)
10 1/2' Bottom

Hole # ②

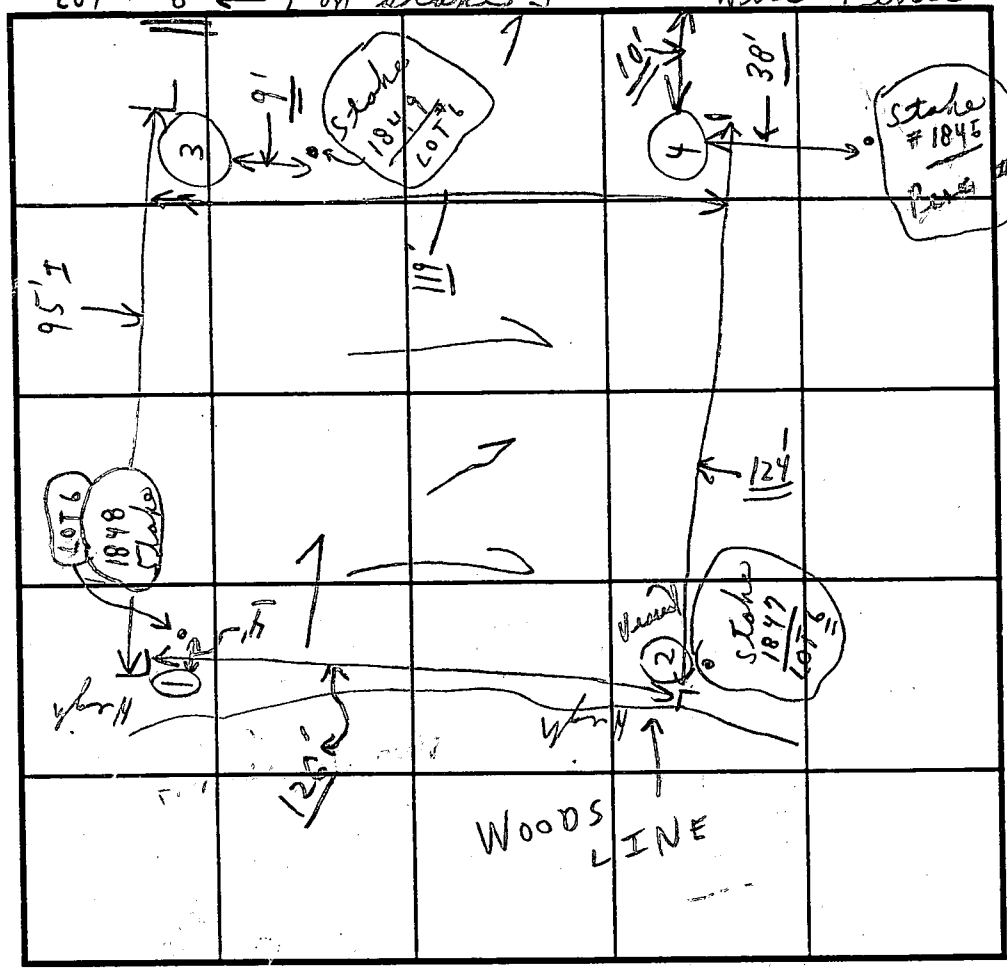
0'-4"± Clay
Visual 4' to
ALL LOAM
11 1/2' Bottom

Hole # ③

0'-3"± Clay
3 1/2' Loam
9' Bottom

SOIL PROFILE Hole # ④

0'-3'3" Clay
3'-3" Loam
9'-9" 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	#1848	3'	12:04	12:06	12:06	12:08	1 1/2 min
	1	10 1/2'	0:-'		(all sandy loam)		dry
	#1847	Visual					
	2	11 1/2'	0'-4" clay 4' to 11 1/2'		Visual →		11 1/2' all loam
	#1849	3 1/2'	12:09	12:11	12:11	12:14	2 min
	3	9'	0:-'				out
	#1846	3'-3"	11:54	11:55	11:55	11:57	1 1/2 min
	4	9'-9"	0:-'				dry
(Some high areas)							

REMARKS 6/9/94 Tests in open Tests per above
TYPE OF SOIL LOAM (0, 1, 2, 3 near P) + neg stakes
TESTED BY C.B.D. ALSO PRESENT (Nat + Sylvia)
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 3'
INLET DEPTH 3 1/2' MAXIMUM BOTTOM DEPTH 5 1/2' SQ. FT./BEDROOM 210
"shallow only" HOLD FOR REDESIGN OF SEPTI

NOTE
Per
manual
up hill

C1 4591 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 A50065-E

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED: 080796

Depth of Well 2245 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-0792

OWNER: Greenfield Homes last name River Valley Chase first name TOWN W. Friendship SUBDIVISION West Friendship Est SECTION L LOT 55

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 Sandstone, MICKA Sandstone, MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 9 NO. OF POUNDS 900 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 ft.

CASING RECORD

MAIN CASING TYPE (PL) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 40

OTHER CASING (if used)

SCREEN RECORD screen type or open hole (HO) STEEL (ST) BRASS BRONZE (BR) OPEN HOLE (HO) PLASTIC (PL) OTHER (OT)

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 116 Hash Mays

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 117 Hash E. Mays

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

DEPTH (nearest ft.) HO 38 245

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

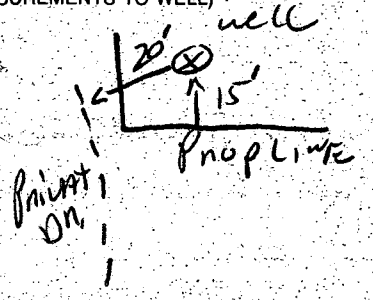
PUMPING TEST

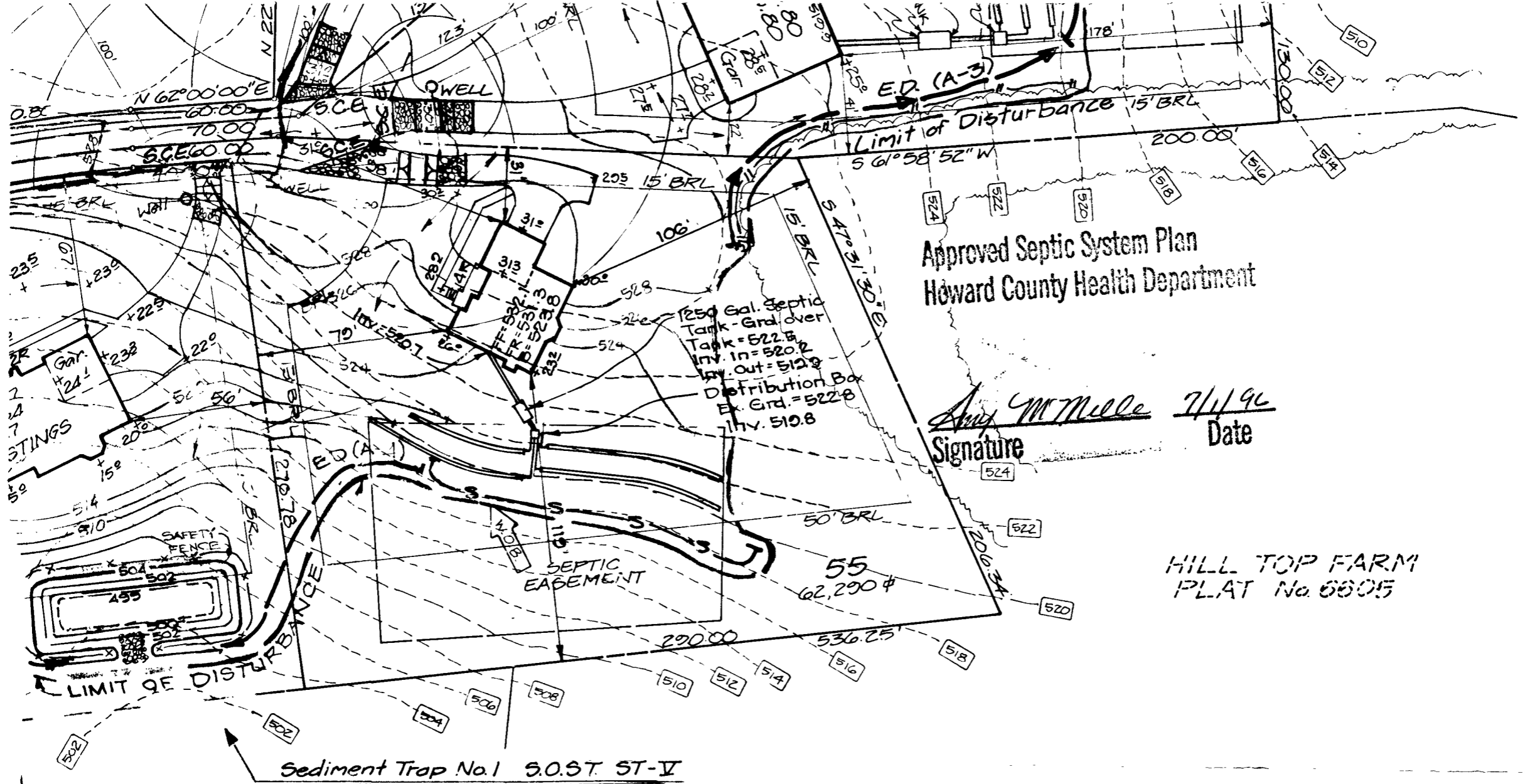
HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 8 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 38 ft. WHEN PUMPING 20 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. 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)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)





IT DOES
ER BY
- LOT 56

Ex. Drainage Area	2.1 Ac
Prop. Drainage Area	2.1 Ac
Storage Required	3780 CF
Storage Provided	3780 CF
Top of Stone Crest	503.0
Clean-Out Elev.	500.5
Bottom Elev.	499.0
Storage Depth	3'
Bottom Dimension	64' x 12'
2:1 Side Slopes in Cut	

No.	REVISIONS	DATE
4	Rev. hse. + grds. Lot 55 from Box to and rev. septic layout	6-6-96
3	Rev. hse. Eqrd. Lot 51 from Gen. to Hastings (Rev); Lot 52 from Gen. to Brighton (Rev); Lot 56 from Gen. to Hastings	5-20-96
2	REV. HSE & GRD. LOT 53 FROM GENERIC BOX TO SHIELDS RESIDENCE	12-21-95
1	ADD OPEN SPACE PARCEL C WITH A BERM TO THE SUBMISSION	10-10-95

ENGINEER'S CERTIFICATE

that this plan for Sediment and represents a practical and workable my personal knowledge of the site that it was prepared in accordance ments of the Howard Soil Conservation

[Handwritten signature]



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED ZAL RMT	SITE DEVELOPMENT, SEDIMENT AND EROSION CONTROL PLAN LOTS 51 THRU 56 AND OPEN SPACE PARCEL C WEST FRIENDSHIP ESTATES SECTION 1 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 50'
DRAWN MCR		DRAWING 1 OF 1
CHECKED jml		JOB NO. 94-221
DATE 1/13/95		FILE NO. 94-221x
For: GREENFIELD HOMES, Inc. 818 Liberty Road Eldersburg, MD 21784		

[Handwritten signature]
Clark Date: 2/1/95

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