

3-24-98 3/26/98
2:00 11:00
3/25/98
2:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59814

A 50900-B

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

DATE 2-9-98

DATE SYSTEM APPROVED 3/26/98

INSPECTOR DKS

INDEXED

South Carolll Backhoe, Inc.

IS PERMITTED TO INSTALL ALTER _____

ADDRESS 4410 Salem Bottom Rd, Westminster, Md 21157 PHONE 875-4197

SUBDIVISION Mauck Property LOT 4 ROAD 11221 Old Hopkins Road

PROPERTY OWNER Robert R. & Kathryn M. Baxter, III

ADDRESS _____

SEPTIC TANK CAPACITY 1500 used ~~1250~~ GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Place distribution box 100 feet off the front (270.46') lot line and 140 feet off the right (489.97') lot line as seen when facing the lot from Old Hopkins Road. 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 2/4/98 DKS

PLANS APPROVED BY Amy McMillen DATE 02/02/98

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

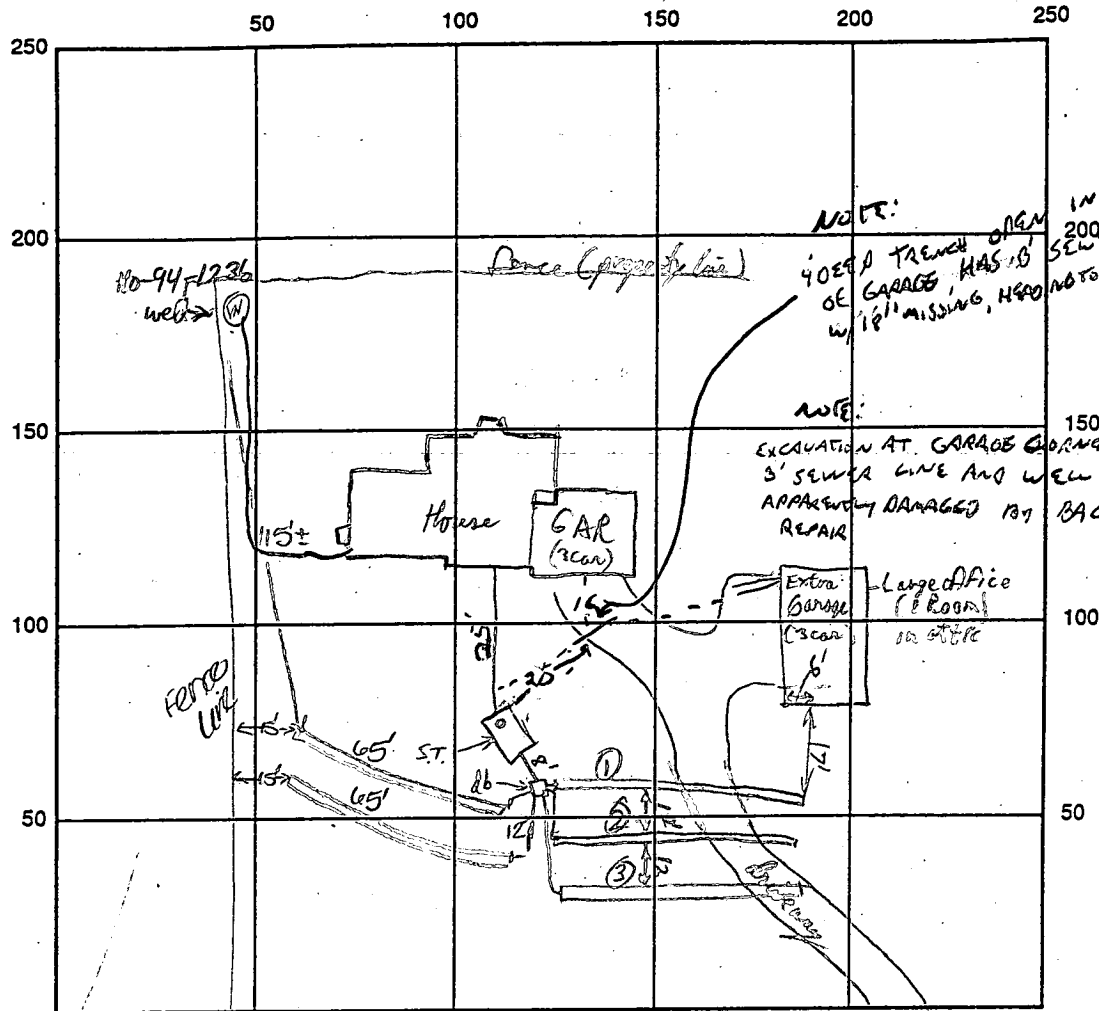
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

SEWER PERMIT SYSTEM
AND RETURNED 2/18/98
POOL

A50900B



320
19K
IN ABOUT 200' SEWER LINE
NO TOWARDS S.I.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gal MidSeason CLEANOUTS one on s.t.

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 65/65/65/65/65 → 325

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 975 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: First Trench OK to cover, OK to install all other on yard., S.T. set, House connection partial done. R/P 3/24/98

OK to cover Trenches 2 & 3 OK to cover from line to these, 3/25/98

3/27/98 FINAL INSP - OK TO COVER ALL WORK. DIB

3/27/98 WPI - OK, CASING HAT SEPARATE GROUND, 2' PVC SLEEVE 15' FROM HOUSE WALL. SEE NOTES ON DRAWING.

4/15/98 Rough-in in garage cut & cemented AEM

DATE SYSTEM APPROVED 3/26/98 INSPECTOR [Signature]

S 43°43'54" E

'656.91'

ChB2

MB2

PRESERVATION PARCEL A
73,851 sq. ft.
1.7 acres

PRESERVATION PARCEL B 430
210,866 sq. ft.
4.84 acres

BACTERIA TEST
TO BE RUN
EX-SEPTIC
PILES

LOT 7
20,000 S.F.

LOT 4
22,307 S.F.

GIB2

Ba

Ba

GnC2

Ba

Copy of signed
Perce Cert
8/5/96

PROPERTY OF
BERNARD L. JENCK & WIFE
ZONED R-10
ZONED R-10

PROPERTY OF
JOHN S. GILMAN
ZONED R-10
ZONED R-10

25' WETLAND BUFFER
WETLANDS
50' STREAM BUFFER
INTERMITTENT STREAM

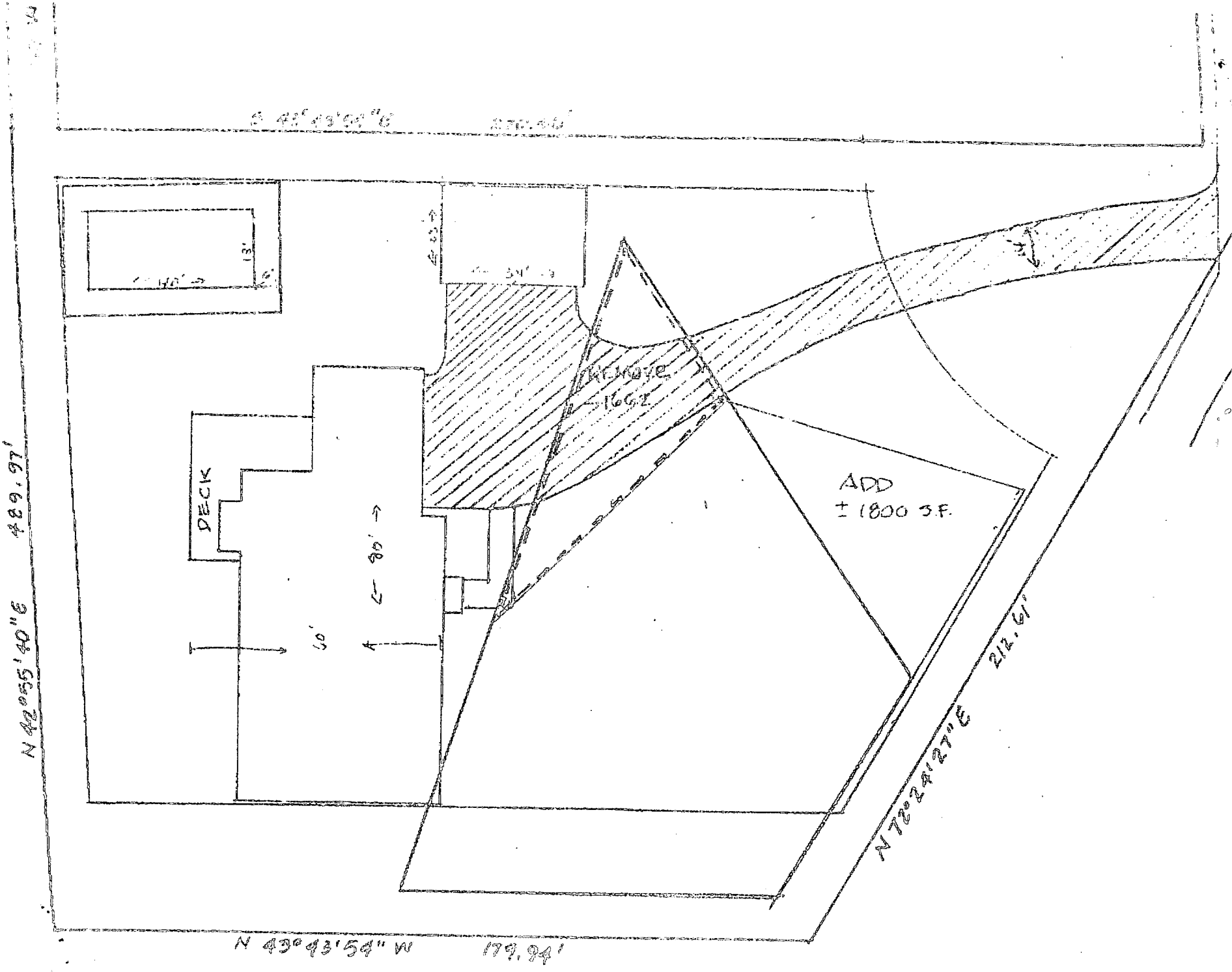
31°30'11" E

N 09°32'29" W

S 42°55'40" W

E 1339500

1008.34'



MAUCK

LAT # 4

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: Feb-7-98 (month/day/year)

UNKNOWN

--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--

* PERMIT NUMBER OF ABANDONED WELL (if any)

* PERMIT NUMBER OF REPLACEMENT WELL

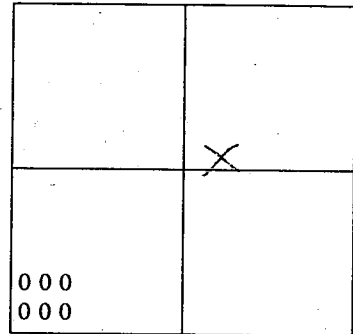
* PERSON ABANDONING WELL: Perry Hawley

WELL DRILLERS LICENSE NUMBER: 143
 CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: MAUCK LLC

* WELL LOCATION:

COUNTY: HOWARD
 NEAREST TOWN: FULTON
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: MAUCK PROP.
 SECTION: _____ LOT: 4



MARYLAND GRID COORDINATES

BOX NUMBER E 820
 N 027 ←

SHOW WELL LOCATION BY X WITHIN BOX

* TYPE OF WELL BEING ABANDONED:

- DRILLED
- BORED/AUGURED
- OTHER (specify) _____
- JETTED
- HAND DUG

* USE CODE:

- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL

* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) _____

* SIZE OF CASING: 3 FC INCHES IN DIAMETER

* DEPTH OF WELL: 400 FEET DEEP

* WAS ANY CASING REMOVED? YES NO
 if yes, length removed, in feet: 3 FC

* WAS CASING RIPPED OR PERFORATED? YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
DRILL COLLARS	400	30
TYPE I CEMENT	30	seal floor
12 B095		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN: Perry Hawley

LICENSE # 143 CIRCLE ONE MWD/MSD/MGD DATE 2-7-98

3-26-97

A visual inspection of the interior of the wells on Lots 2 and 4 was performed by Easterday well drilling by placing a camera down the length of the well and video taping it. The following observations were made:

- HO 94-1049 Lot 2 - The casing was cracked for approximately the last 40 feet of casing.
HO-94-1050 Lot 4 - The open hole portion of the well had caved in.

Also present was the property owner, Mrs. Mauck, Jared Spahn of Land Design & Development, Craig William and Kim Maiste of Howard County Health Department.

Amy Mc Millen

Amy Mc Miller

LOT 4 WELL ABANDONED w/ GROUT & CUTTINGS
DRILLER CONFIRMS H.D. TO BE CONTACTED ^{MR 6/6/97}
PRIOR TO RE-DRILLING
DRILLER CONFIRMS AB. REPORT COMING

6/17/97 Meeting w/ D. Renner to determine acceptable new well sites. Lot 4 to be moved to alternate pipestem access & a "bump out" in the lot line rerecorded. New well permit pending ALM

7/17/97 See proposal for new well site - unacceptable septic directly uphill of proposed location. Told Jared Spahn - move to pipestem between lots 2 & 3. ALM

~~10/23/97~~ 10/23/97 New well site in pipestem between lot 2 & 3 dry at 500' - 2nd well drilled in front left corner of pipestem - dry at 300' - this site was unauthorized. ALM

10/27/97 Meeting w/ Jared - New well site approved behind Pres. Pcd "A" - Easement to be created for access. ALM

11/3/97

~~some type of~~ CW spoke w/ Aared Spahn and approved a well site on the existing lot - no easement or resubdivision will be necessary. Unsure of how this will affect future lot owners plans for the lot as discussed 9/11/97 - see adjusted esmt. ALM

11/26/97

~~base clear~~

- At this time there is a $\frac{1}{2}$ gal/min well in the pipestem & a 5gpm at the back of the lot.
 - Owner of well told ~~him~~ driller not to abandon well in front until yield in back was known
 - Now that the well in back is O.K. well in front should be abandoned but driller can't get a hold of owner - he wants our permission to grout the well ~~with~~ to protect the groundwater until he hears from the owner. Craig said yes.
 - ALM contact Aared Spahn - ~~advised him~~ he said he may want to keep the well as a geothermal bore - ADVISED -
 - * Driller already on road to grout well
 - * If you want to keep it as a geothermal bore - ~~you~~ ^{you} must submit for a new well permit application
 - * If not for a geothermal bore - well should be abandoned if this happens you will loose money by the grouting of the well today - it was not necessary.
- ALM
- Site inspection revealed that grout must be done on well regardless of keeping or abandoning well because they will not be removing the casing (well drillers) prior to abandonment if abandonment is proposed & it will need to be grouted if they keep the well for geothermal heating. ALM

EMERGENCY/TEMP NO. IF ANY

B 1 3075

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 fill in this form completely

Date Received (APA)

07/09/97

OWNER INFORMATION

ELLIPSE CITY LANDWORKING CO. Last Name: ELLIPSE, Owner: ELLIPSE, First Name: CITY, Street or RFD: AVICKORY R109E, Town: COLEMAN, State: MD, Zip: 21044

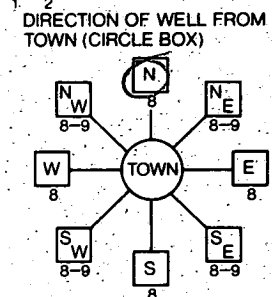
LOCATION OF WELL

HOWARD COUNTY, MAUCK PROPERTY, SECTION 44, LOT 4, SCA995VILKE, 52 NEAREST TOWN, MILES FROM TOWN: 2 MI

DRILLER INFORMATION

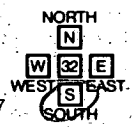
Driller's Name: Percy Harley, License No. 143, Firm Name: Harley Drilling & Pump Systems, Address: Box 160 Walkersville, MD 21044, Signature: Percy Harley, Date: 6-30-97

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 OLD HOPKINS RD NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD

ENTER FT OR MI: 30 FT

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 3

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 620

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

Howard County A 50.900B COUNTY NAME COUNTY NO.

STATE SIGNATURE DATE ISSUED: 07/18/97 A McMillen 7/18/98

NORTH GRID: 486000, EAST GRID: 826000

APPROXIMATE DEPTH OF WELL: 200 FEET

APPROXIMATE DIAMETER OF WELL: 6" NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary -AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRIVE-POINT

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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
[D] THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE): 41 HO-94-1050 52

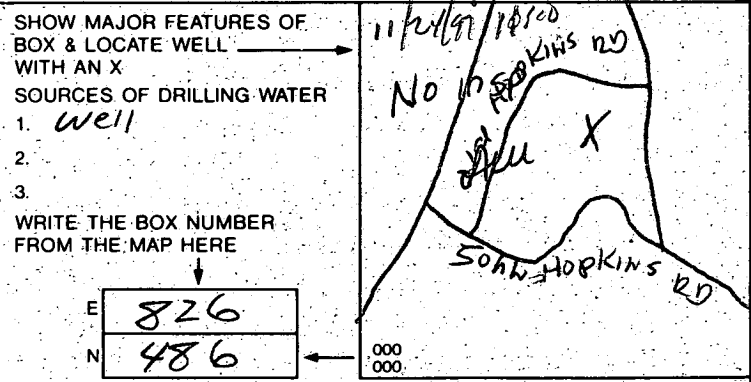
Not to be filled in by driller (OEP USE ONLY)

APPROX. PERMIT NUMBER: GAP

FORCE AM PERMIT No. HO-94-1236

SPECIAL CONDITIONS

NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =



C1 9522

SEQUENCE NO. (MDE USE ONLY)

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 A50900B

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED

122497

DATE WELL COMPLETED

112497

Depth of Well

22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

H10-94-1236

OWNER Ellicott City Land Holdings last name Old Hopkins Road first name TOWN Scaggsville SUBDIVISION Mauck Property SECTION LOT 9

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. Includes handwritten entries: OVERBURDEN 0-80, SANDSTONE HIT WATER AT 110' 56 PM SANDSTONE 110' 300'.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 38 NO. OF POUNDS 3512 GALLONS OF WATER 228 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 77 ft.

CASING RECORD

MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch!) 6 Total depth of main casing (nearest foot) 94

OTHER CASING (if used)

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

NUMBER OF UNSUCCESSFUL WELLS: 2

WELL HYDROFRACTURED YES (Y) NO (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. 095

DRILLERS SIGNATURE Austin Gower

LIC. NO. JSD 032 SITE SUPERVISOR SIGNATURE Robert Harley

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

DEPTH (nearest ft.) H0 92 360 CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below LAND SURFACE () (nearest foot)

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

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

C 3

PUMPING TEST

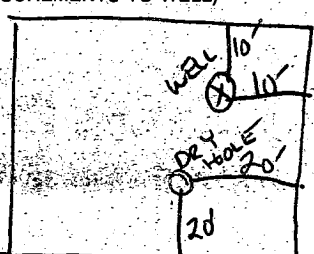
HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 5 METHOD USED TO MEASURE PUMPING RATE Bucket/Time WATER LEVEL (distance from land surface) BEFORE PUMPING 15 WHEN PUMPING 90 TYPE OF PUMP USED (for test) (S) submersible

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

CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below 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)

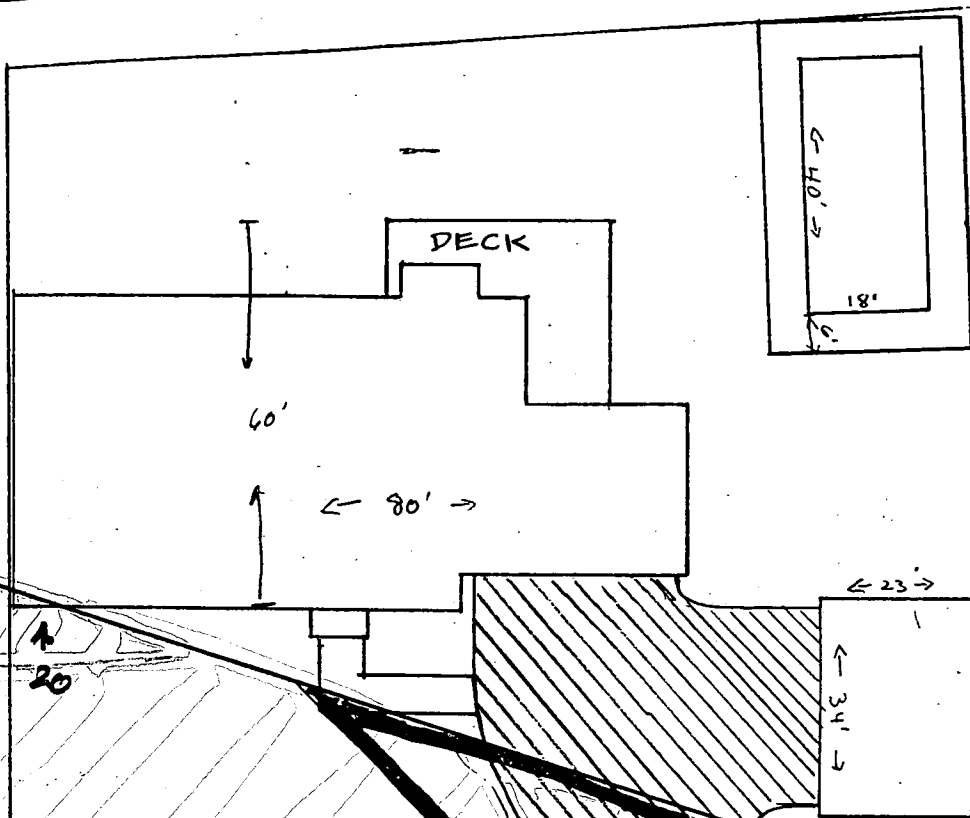


N 42°55'40"E 489.97'



TO WELL

N 43°43'54"W 179.94'

S 43°43'54"E 270.46'



N 72°24'27"W 212.61'

-  Area Removed
-  Area Added

MANICK

9/11/97 shown adjustment

to septic easement OK.
 Owner to submit revised
 perc. cert for H.O.
 signature - House will
 move back 10' from what
 failed water table

out-PLM is shown on this plan to
 provide 20' separation house to
 septic easement

A McMullen

KEYSER-GARVER WELL DRILLING, INC.

9125-B Bethel Road
FREDERICK, MARYLAND 21702

Amy McMillen
Howard County Health Dept.
3525-H Ellicott Mills Drive
Ellicott City Md. 21043-4544

November 13, 1997

RE: Well permit transfer
Well tag HO-94-1235
HO-94-1236
Mauck Prop. lots 2-4

MS. McMillen,

In regards to your letter about the transfer of the permits from Perry Harley to Keyser-Garver Well Drilling Inc. for the well permits HO-94-1235 HO-94-1236 Mauck Property Old Hopking Rd. I am notifying that we are accepting the transfer of the permits from Mr Harley.

Yours truly,


Austin N. Garver Pres.

11/17/97

Wells drilled by the
time this letter came
ALM

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 6-6-97 (month/day/year)

H0 94 1050

* PERMIT NUMBER OF ABANDONED WELL (if any)

* PERMIT NUMBER OF REPLACEMENT WELL

H0 94 1236

* PERSON ABANDONING WELL: Perry HARLEY

WELL DRILLERS LICENSE NUMBER: MSD 143

* OWNER'S NAME: FELICITY LAND HOLDING CO.

* WELL LOCATION:

071097
 COUNTY: HOWARD
 NEAREST TOWN: SCA99VILLE
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: MAYUC PROPERTY
 SECTION: _____ LOT: 4

	X
0 0 0	
0 0 0	

MARYLAND GRID COORDINATES
 E 826
 BOX NUMBER
 N 486

SHOW WELL LOCATION
 BY X WITHIN BOX

* TYPE OF WELL BEING ABANDONED:

- DRILLED
- BORED/AUGURED
- OTHER (specify) _____
- JETTED
- HAND DUG

LOG OF SEALING MATERIAL

* USE CODE:

- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL

MATERIAL	FEET	
	FROM	TO
STONE	100	75 FT
Portland Type II 12 BA95	74	Surf

* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) _____

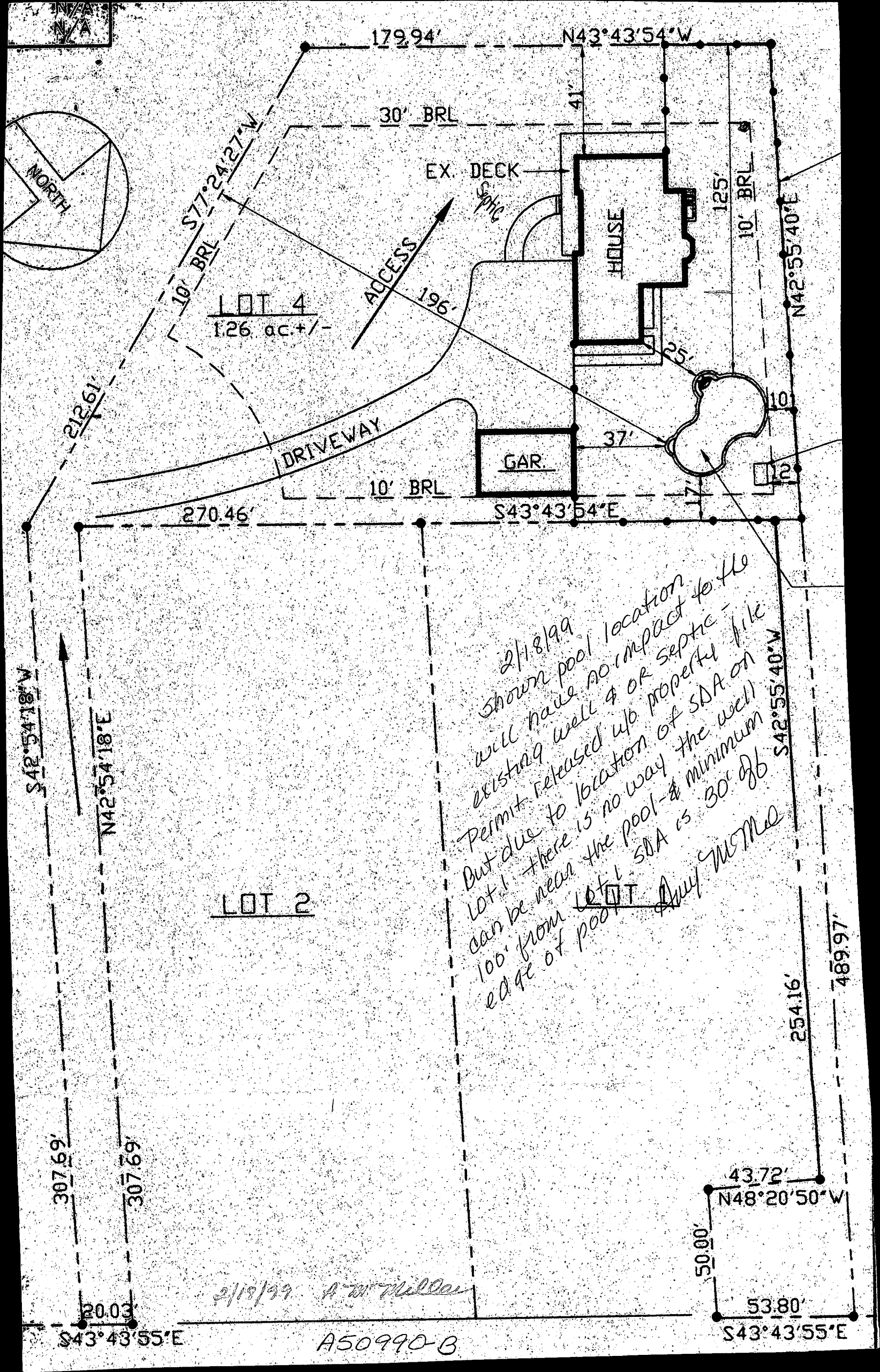
* SIZE OF CASING: 6 1/4" INCHES IN DIAMETER

* DEPTH OF WELL: 100 FEET DEEP

* WAS ANY CASING REMOVED? YES NO
 if yes, length removed, in feet: 2 FT

* WAS CASING RIPPED OR PERFORATED? YES NO

SIGNATURE: Perry Harley MASTER WELL DRILLER OR SUPERVISING SANITARIAN
 LICENSE # MSD 143 DATE _____



179.94' N43°43'54"W
 30' BRL
 41'
 EX. DECK
 Septic
 HOUSE
 125'
 10' BRL
 N42°55'40"E
 10' BRL
 196'
 ACCESS
 25'
 10'
 37'
 GAR.
 12'
 10' BRL
 S43°43'54"E
 270.46'
 DRIVEWAY
 212.61'
 S77°24'27"W
 10' BRL
 LOT 4
 126 ac. +/-
 NORTH
 S42°54'18"W
 N42°54'18"E
 307.69'
 307.69'
 20.03'
 S43°43'55"E
 2/18/99
 shown pool location
 will have no impact to the
 existing well & or septic
 Permit released up property file
 But due to location of SDA on
 LOT 1 there is no way the well
 can be near the pool - a minimum
 100' from edge of pool SDA is 30' off
 edge of pool
 Any M/M
 2/19/99 A W Miller
 A50990-B
 43.72'
 N48°20'50"W
 50.00'
 53.80'
 S43°43'55"E
 254.16'
 489.97'

APPLICATION

PERCOLATION TESTING

A _____
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

*PREVIOUS OK
4 NEW LOTS IN
ADDITION TO
CURRENT 10 LOT*

DISTRICT _____
DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

*MIXED ON-LOT & SHARED SUBDIVISION PROPOSED.
(OK TO TEST ADDITIONAL AREA TO
ALLOW FOR CHANGES IN LOT CONFIG.)*

(CW)

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER SANNER RD LLC

ADDRESS 10805 Hickory Ridge Rd Col Md PHONE 740 5176

AGENT OR PROSPECTIVE BUYER DONALD R. REUWEN, JR.

ADDRESS SAME PHONE _____

PROPERTY LOCATION:

SUBDIVISION CASH MARE LOT NO. 15

ROAD AND DESCRIPTION JOHN HOPKINS ROAD

TAX MAP 41 PARCEL # 121

SIZE OF LOT 40,000 +/- 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.

[Handwritten 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

APPLICATION

PERCOLATION TESTING

A _____
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

*PROVIDE OK
4 NEW LOTS IN
ADDITION TO
CURRENT 10 LOT
SUBDIVISION PROPOSED.*

DISTRICT _____
DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

*MIXED-USE LOT & SHARED
(OK TO TEST ADDITIONAL AREA TO
ALLOW FOR CHANGES IN LOT CONFIG.)* **(CW)**

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER SANNER RD LLC

ADDRESS 10805 Hickory Ridge Rd Col Md PHONE 740 5176

AGENT OR PROSPECTIVE BUYER DONALD R. REUWEN, JR.

ADDRESS SAME PHONE _____

PROPERTY LOCATION:

SUBDIVISION CASH MARK LOT NO. 15

ROAD AND DESCRIPTION JOHN HOPKINS ROAD

TAX MAP 41 PARCEL # 121

SIZE OF LOT 40,000 +/- 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 _____

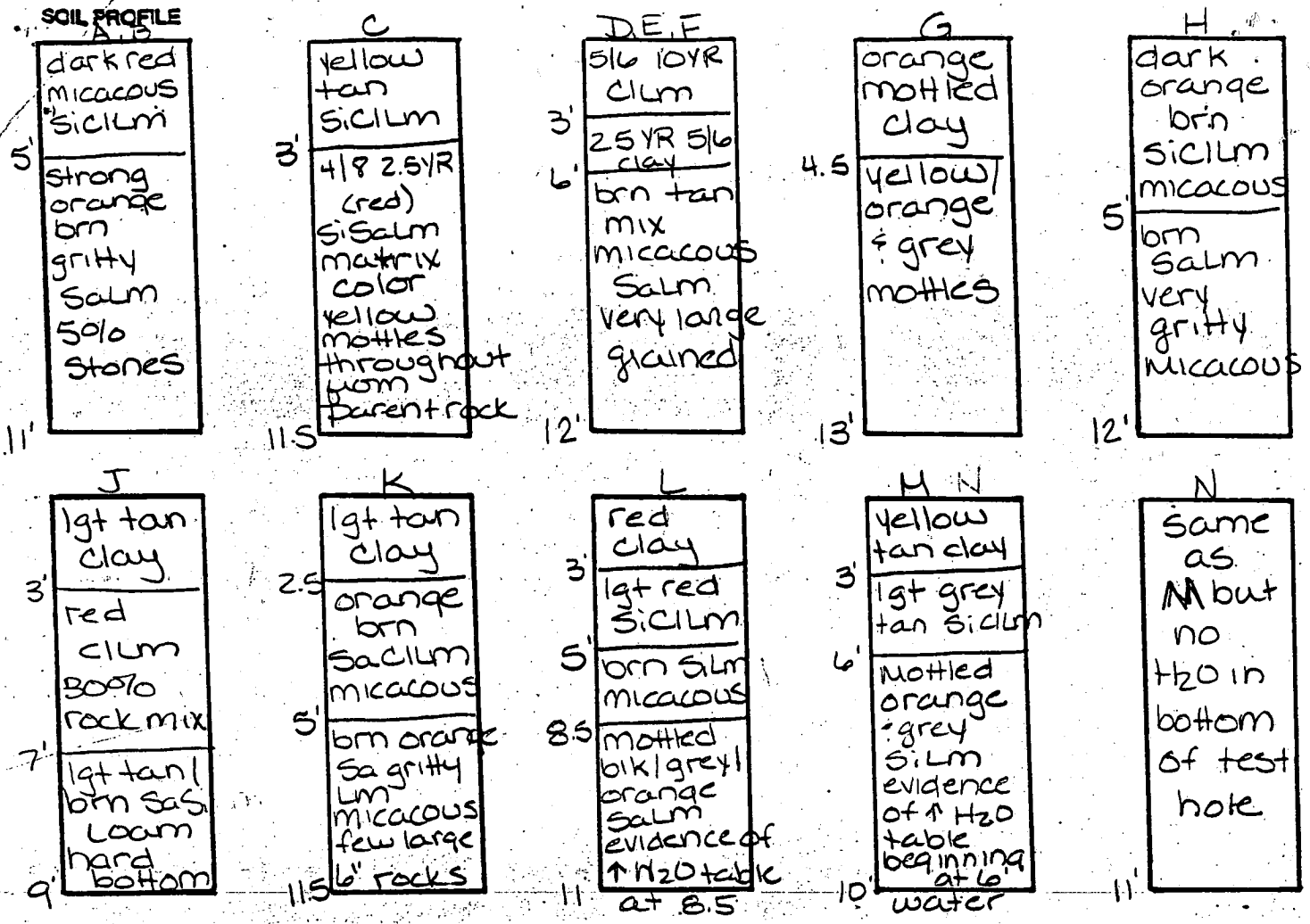
HOLD PENDING FURTHER TESTS _____

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



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8-11-95	A	4' VII'	10:55	> 30 min			Slow	
	A	6' VII'	11:29 ¹⁵	11:31	11:31	11:33 ³⁰	2 1/2 min	
	B	6' VI2'	11:12 ³⁰	11:16 ¹⁵	11:16 ¹⁵	11:25	8 3/4 min	
	C	6' VII 1/2'	11:38 ⁴⁵	11:48	11:48	12:10	22 min	
	D	6' VI2	11:54 ⁴⁵	11:56 ³⁰	11:56 ³⁰	12:01 ³⁰	5 min	
	E	7' VI2	12:04 ⁴⁵	12:07	12:07	12:12	15 min	
	F	7' VI2	12:15	12:23	12:23	12:35	12 min	
	G	Visual	High H ₂ O table - see profile					wet season
	H	5.5' VI2'	12:45	12:50	12:50	1:03	8 min	
	J	Visual	Deep clay - hard bottom - F					F
	K	6' VII 1/2'	1:09	1:12	1:12	1:17	5 min	
	L	Visual	High H ₂ O table - see profile					wet season
	M	Visual	High H ₂ O table - see profile					wet season
	N	Visual	High H ₂ O table - see profile					wet season

TESTED BY Amy McMillen

ALSO PRESENT

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE _____

*PROVIDE OR
4 NEW LOTS IN
ADDITION TO
CURRENT 10 LOT
SUBDIVISION PROPOSAL.*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

*MIXED ON-LOT & SHARED
(OK TO TEST ADDITIONAL AREA TO
ALLOW FOR CHANGES IN LOT CONFIG.)* CW

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER JANVER RD LLC Robert R + Kathryn W. BASTER III

ADDRESS 10805 Hickory Ridge Rd Col Md PHONE 740 5176

AGENT OR PROSPECTIVE BUYER DONALD R. REUWEN, JR.

ADDRESS SAME PHONE _____

PROPERTY LOCATION:

SUBDIVISION CASH MARK LOT NO. '5

ROAD AND DESCRIPTION JOHN HOPKINS ROAD (11221 Old Hopkins Road)

TAX MAP 41 PARCEL # 121

SIZE OF LOT 40,000 +/- TYPE BLDG. SFD - 4 Bed
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 2-2-98
Serial # B10109571
SFD - 4 Bed**

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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

**BLDG. PERMIT SIGNED
AND RETURNED 2-2-98
Serial # B10109572
3 car garage**

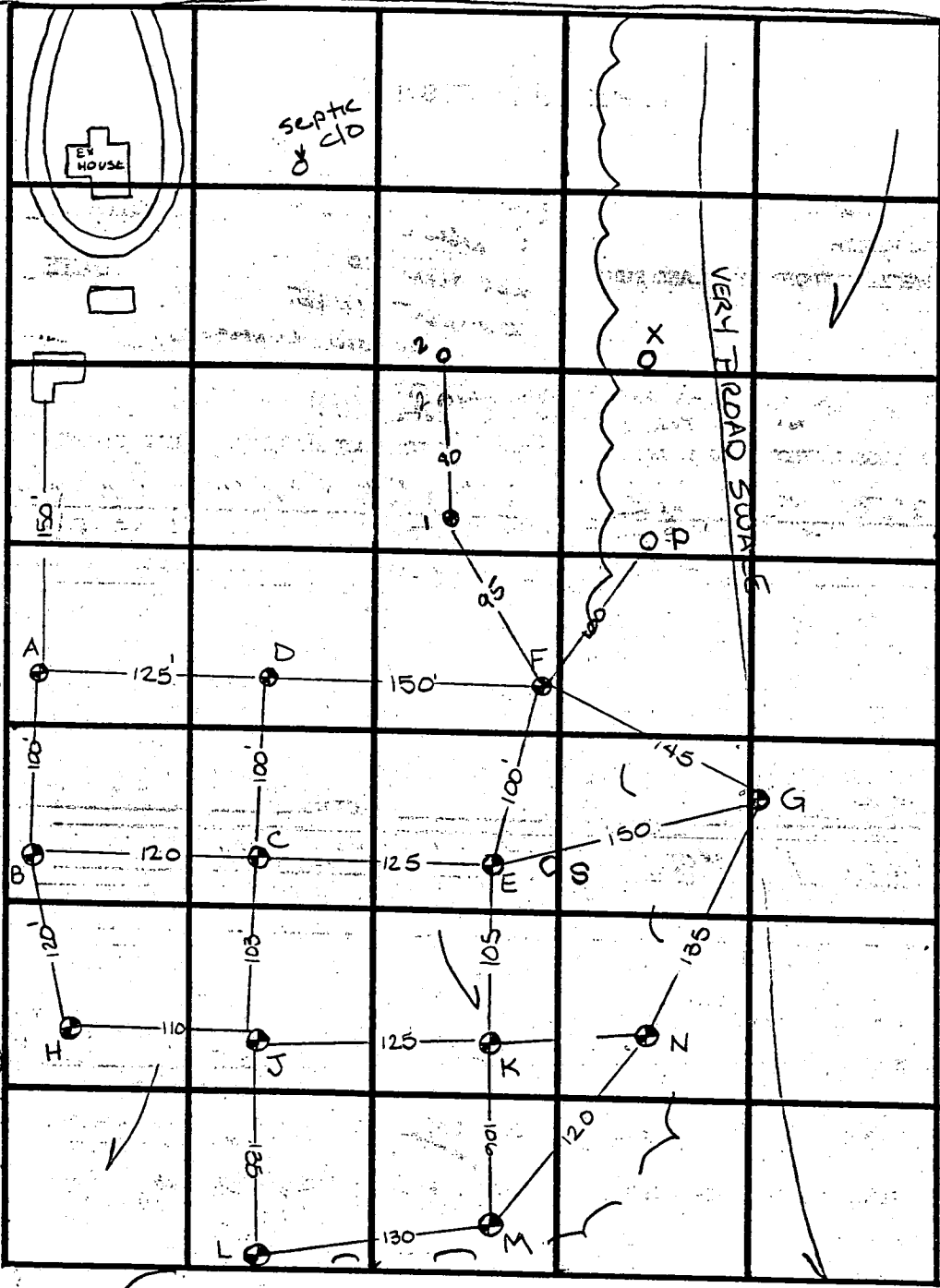
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

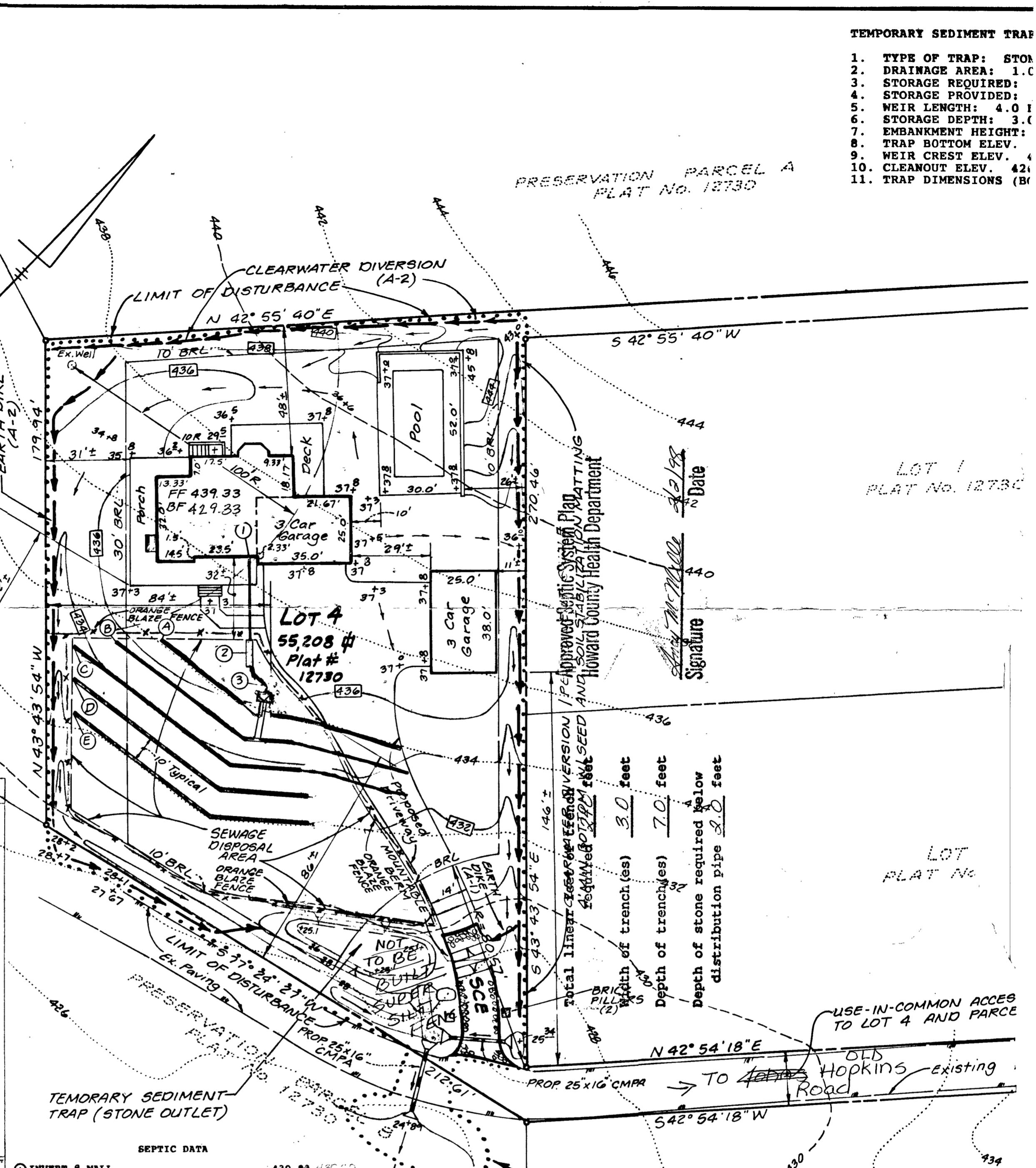
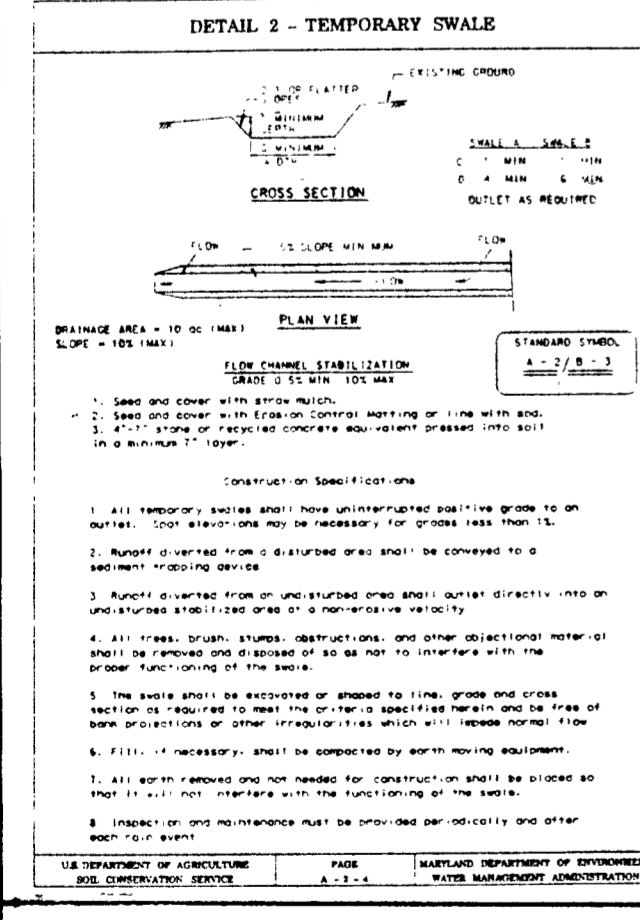
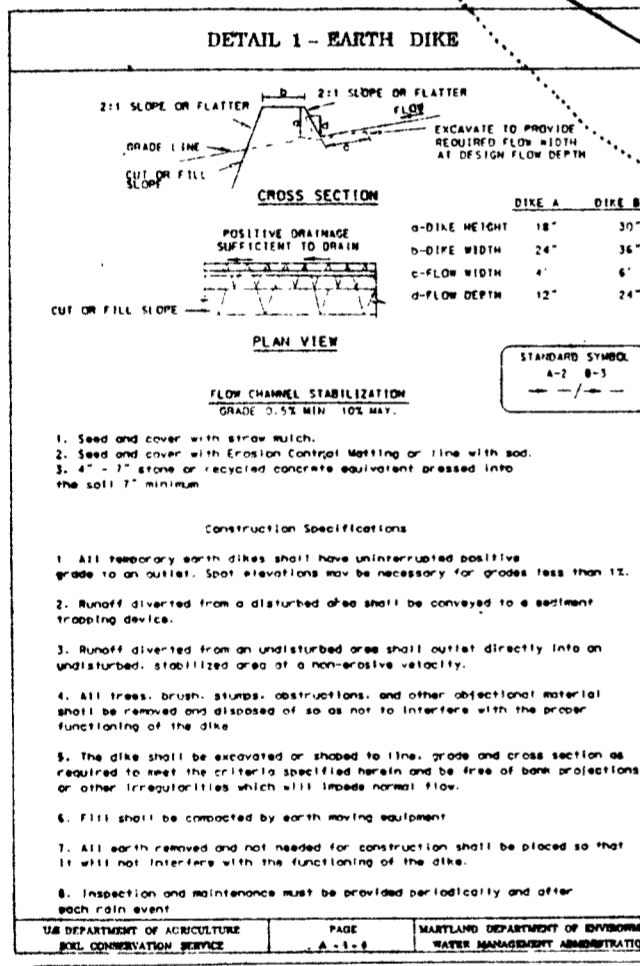
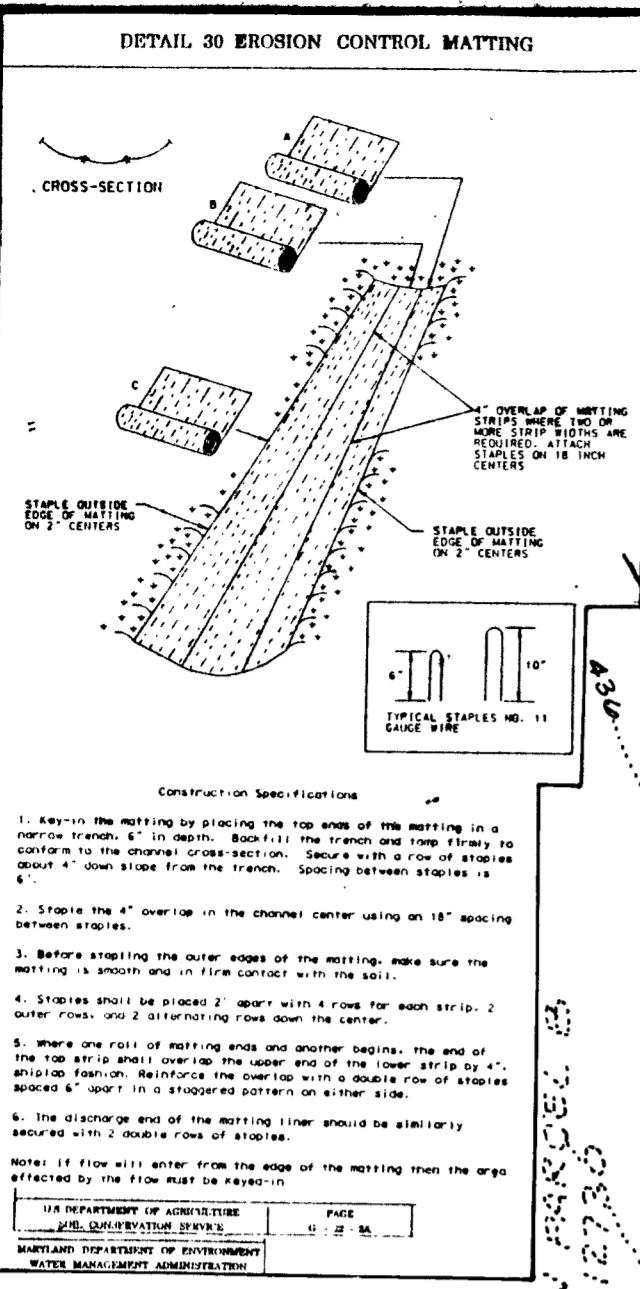
OLD HOPKINS ROAD

SANIER ROAD



TEMPORARY SEDIMENT TRAP

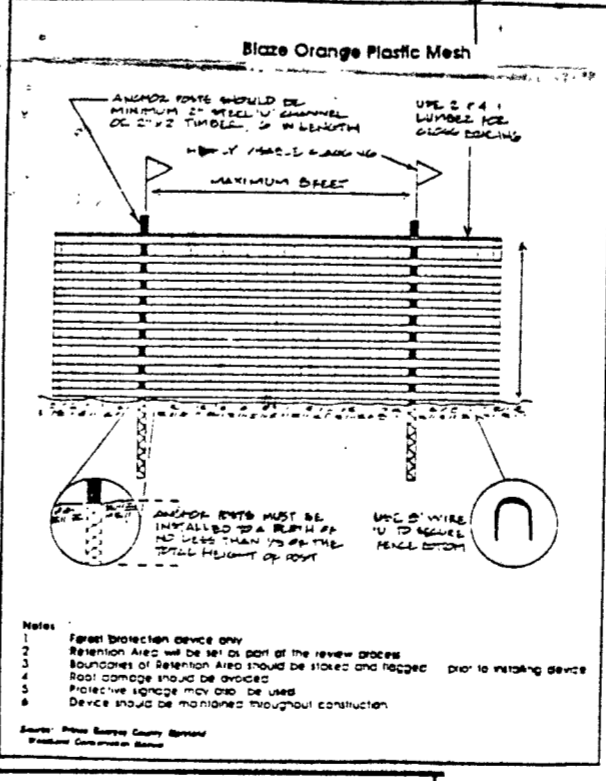
1. TYPE OF TRAP: STON
2. DRAINAGE AREA: 1.0
3. STORAGE REQUIRED:
4. STORAGE PROVIDED:
5. WEIR LENGTH: 4.0 FT
6. STORAGE DEPTH: 3.0
7. EMBANKMENT HEIGHT:
8. TRAP BOTTOM ELEV.
9. WEIR CREST ELEV. 4
10. CLEANOUT ELEV. 42
11. TRAP DIMENSIONS (B



SEPTIC DATA

1) INVERT @ WALL	430.83	430.10
2) 1500 GALLON SEPTIC TANK (5 BR)		
EXIST. GROUND OVER TANK	435.00	
FINISHED GRADE OVER TANK	437.00	
INVERT IN	430.20	427.9
INVERT OUT	429.90	424.6
PROVIDE MANHOLE TO FINISHED GRADE		
3) DISTRIBUTION BOX (5 OUTLETS MIN.)		
EXIST. GROUND @ BOX	434.50	
FINISHED GRADE @ BOX	436.50	
INVERT IN	429.50	
TRENCH DESIGN: 80 LF/BR		
A) EXIST. GROUND	434.00	
FINISHED GRADE	436.50	
INVERT	429.00	
BOTTOM TRENCH (40 LF)	427.00	
B) EXIST. GROUND	433.50	
FINISHED GRADE	435.00	
INVERT	428.50	
BOTTOM TRENCH (60 LF)	426.50	
C) EXIST. GROUND	433.00	
FINISHED GRADE	434.00	
INVERT	428.00	
BOTTOM TRENCH (100 LF)	426.00	
D) EXIST. GROUND	432.50	
FINISHED GRADE	433.00	
INVERT	427.50	
BOTTOM TRENCH (100 LF)	425.50	
E) EXIST. GROUND	432.00	
FINISHED GRADE	432.00	
INVERT	427.00	
BOTTOM TRENCH (100 LF)	425.00	

NOTE: Basement Sewer will be wall hung Sewage. Pump required for basement bathroom service.



NOTE: OWNER OF PRESERVATION PARCEL 'B' HAS GRANTED PERMISSION TO THE OWNER OF LOT 4 TO INSTALL DRIVEWAY CULVERTS AND ASSOCIATED GRADING.

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- 1) PREFERRED -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000sq ft.)
- 2) ACCEPTABLE -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000sq ft.) before seeding. Harrow or disk into upper three inches of soil.

SEEDING -- For the periods March 1 thru April 30 and August 1 thru October 15, seed with 60 lbs per acre (14 lbs/1000sq ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (14 lbs/1000sq ft.) of Kentucky 31 Tall Fescue and 2 lbs per acre (0.5 lbs/1000sq ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring; Option (2) - Use sod; Option (3) - Seed with 60 lbs per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored straw.

MULCHING -- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq ft.) of unwrapped small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq ft.) for anchoring.

MAINTENANCE -- Inspect of seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

SEEDBED PREPARATION: -- Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: -- Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq ft.).

SEEDING -- For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs/1000sq ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.7 lbs/1000sq ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

MULCHING -- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq ft.) of unwrapped small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rules and methods not covered.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Clayd Simmons
NATURAL RESOURCES CONSERVATION SERVICE
DATE: 1/20/98

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John L. Robertson
HOWARD SOIL CONSERVATION DISTRICT
DATE: 1/20/98

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

PRUCE D. BURTON
SIGNATURE OF ENGINEER
DATE: 1/31/97

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

[Signature]
SIGNATURE OF DEVELOPER
DATE: 1/17/98