

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 512039

A 59282-A

DISTRICT _____

DATE 7-29-99

DATE SYSTEM APPROVED 12/13/99

INSPECTOR BB

9/22/99
2:30
9-23-99
8:00
12/10/99 10:30

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

03-283690

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER _____

ADDRESS 4410 Salem Bottom Road, Westminster, MD 21157 PHONE 410-875-4197

SUBDIVISION King's Gift LOT 52 ROAD 2848 KINGS GIFT DRIVE 11686 Frederick Road

PROPERTY OWNER Jacobsen Homes

ADDRESS _____

TOP SEAMED TANK REQUIRED	PUMPED SYSTEM PROPOSED
SEPTIC TANK CAPACITY 1250 GALLONS	INSTALL: - 1-12500 GALLON TOP SEAMED PUMP CHAMBER
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 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 20 feet off the paved access road and 140 feet off the NORTH (left) lot line as seen from the access road. Run trenches on contour towards the left lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR

**** TOP OF SEPTIC TANK AND PUMP CHAMBER NOT TO BE DEEPER THAN 3.0 FEET BELOW GRADE. ****

PLANS APPROVED BY Glen Savage/Amy McMillen DATE 6-07-1999

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

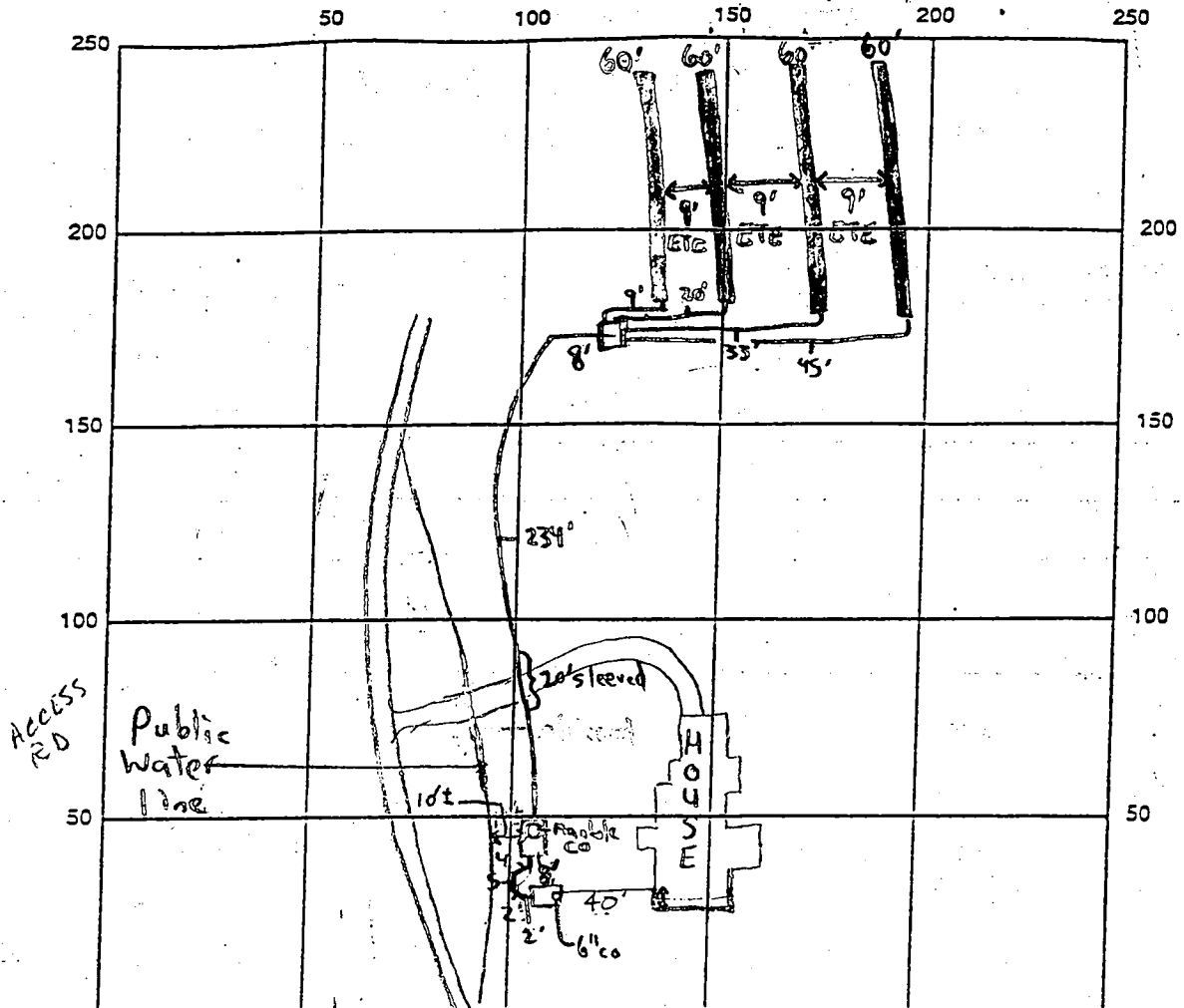
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

BLDG. PERMITS SIGNED AND RETURNED 12/26/00
300127169 Finish w/SMIT rec'd bath
BLDG. PERMIT SIGNED AND RETURNED 12-2-99
12/13/99
1592827A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1500 gallon Top Seam FREDERICK ROAD (Rt. 144)

SEPTIC TANK LEVEL 1500 gallon Top Seam CLEANOUTS 6' @ ST, Manhole on Pump Tank

DISTRIBUTION BOX LEVEL

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

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

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 9-22-99 OK to cover septic tank & pump chamber A

9/23/99 - OK TO COVER ALL WORK, PUMP TEST NEEDED FOR FINAL APPROVAL - (SRV)

10/26/99 BLDG ADVISED OF STANDARD (10') FOR SEPARATION & DISTANCE

BETWEEN H₂O LINE & SEPTIC SYSTEM, NO REQ'MENT FOR RELOCATION (MR)

12/10/99 Alarm and Pump O.K. Need to install levelers. (BB)

12/13/99 Levelers installed. Everything O.K. (BB)

DATE SYSTEM APPROVED 12/13/99 INSPECTOR B. Baker

APPLICATION

2/6/98
12:00

PERCOLATION TESTING

A 59282

P _____

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

*PROVISION OR
PROPOSED LOT RECORD FIG
NOT SEASON TEST
(PLAN PENDING) (LW)
PUBLIC WATER*

DISTRICT _____

DATE _____

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 JEAN R. DICKEY, INDIVIDUALLY & JEAN R. DICKEY INTER-VIVOS TRUST
Jacobsen Homes, Inc.

ADDRESS 13850 FORSYTHE ROAD PHONE 410-442-2226
SYKEVILLE, MD 21784

AGENT OR PROSPECTIVE BUYER SHANABERGER & LANE

ADDRESS 8726 TOWN & COUNTRY BLVD. PHONE 410-461-9563

PROPERTY LOCATION:
SUBDIVISION KING'S GIFT LOT NO. 54, 52, 55

ROAD AND DESCRIPTION NORTH OF RT. 144, EAST OF THOMPSON DRIVE
(11686 Frederick Road)

TAX MAP 16 PARCEL # 371

SIZE OF LOT 5 AC. ± TYPE BLDG. _____
*AND PERMIT SIGNED AND RETURNED 6-7-99
Shad & Bro 117856
SFD-460m*
(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 [Signature] FOR SEO DATE 5/1/98

DISAPPROVED BY _____ FOR _____ DATE _____

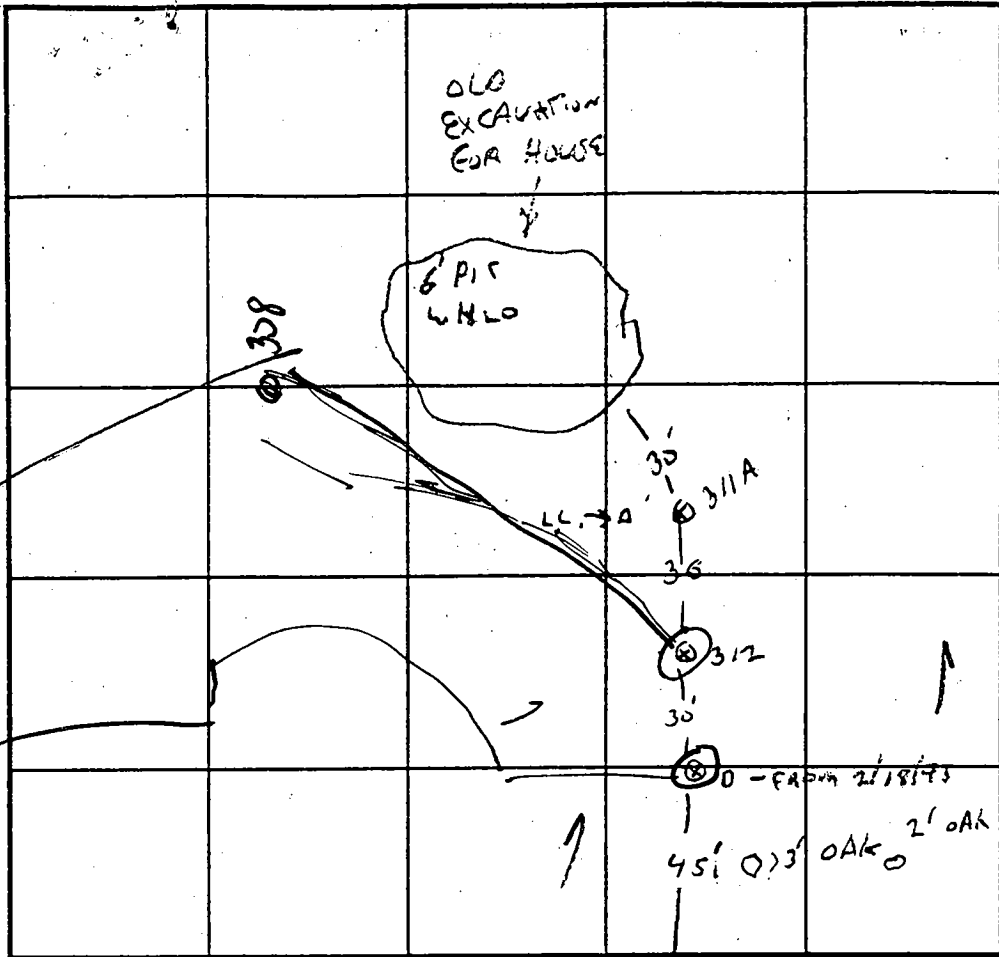
HOLD PENDING FURTHER TESTS _____

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



SOIL PROFILE
312
0' TOPSOIL
STRONG BROWN HEAVY LOAM
4' HEAVY SILT
H2O RUNS IN FROM DOWN SLOPE DIRECTION
WATER 12

SOIL PROFILE
0'

0
HEAVY LOAM
4' 8" 11
MICA CEAS HEAVY SILT
12

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
SUBDIV. ACCESS 144 →

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/25/98	312	5' 12"	3:57	4:00	→	4:05	SAW	
	0	4' 8" 12"	WILL FORCE UP					

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY G. SAUSAGE ALSO PRESENT RTK
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 59282

P _____

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

*PREVIOUS OR
PROPOSED LOT RECON FIG.
WET SEASON TEST W
(PLAN PENDING) (LW)
PUBLIC WATER*

DISTRICT _____

DATE _____

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 JEAN R. DICKEY, INDIVIDUALLY & JEAN R. DICKEY INTER-VIVOS TRUST

ADDRESS 13850 FORSYTHE ROAD PHONE 410-442-2226
SYKESSVILLE, MD 21784

AGENT OR PROSPECTIVE BUYER SHANABERGER & LANE

ADDRESS 8726 TOWN & COUNTRY BLVD. PHONE 410-461-9563

PROPERTY LOCATION:

SUBDIVISION KING'S GIFT LOT NO. 54, 52, 55

ROAD AND DESCRIPTION NORTH OF RT. 144, EAST OF THOMPSON DRIVE

TAX MAP 16 PARCEL # 371

SIZE OF LOT 5 AC. ± 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 [Signature] FOR SFO DATE 5/1/98

DISAPPROVED BY _____ FOR _____ DATE _____

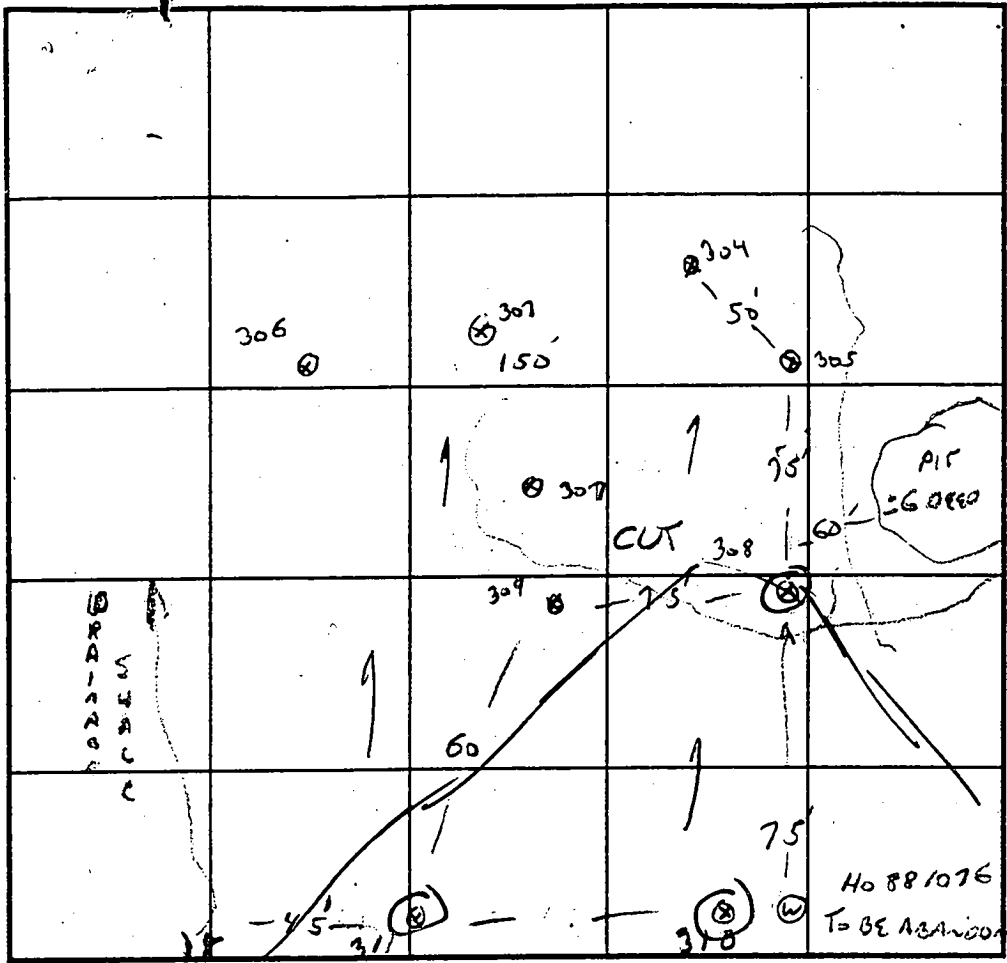
HOLD PENDING FURTHER TESTS _____

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



SOIL PROFILE 305

0'	TOP SOIL
1'	DR HEAVY LOAM
4'	LT BR LOAM
	5% QUARTZ GRAVEL
	WATER

SOIL PROFILE 307

0'	TOP SOIL
1'	Brown LOAM
2'	TAN SANDY LOAM
12'	WATER

308

1'	TOP SOIL
	STRONG Brown LOAM
4'	Brown / TAN SANDY LOAM
11'	WATER

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SUBDIVISION ACCESS ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/25/98	305	4 / 12V	2:28	2:58	→	SLOW	
	306	3 / 11.5	2:36	2:39	→	2:45	6 MW
	307	12V	OK 2-8		WATER @ 12'		OK
REDIG	305	5.5	3:06	3:13	→	3:32	19 MW
	308	4.5 / 11	3:07	3:12	→	3:18	6 MW
	309	12V	DRY	OK 3-8			OK
	310	12V	DRY	OK 4-8			
	311	3.5 / 12	3:29	3:34	→	3:39	5 MW
		6	3:29	3:31	→	3:34	3 MW

REMARKS: WELLS 15' OFF RW / WATER LINE ±

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT A+K EXCAVATING

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

WATER

APPLICATION

PERCOLATION TESTING

A 43548

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 3RD

DATE 1/23/89

Full Test

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 Jean R Dickey Mrs. Jennifer Johnson (301)-570-0753

ADDRESS 13850 Forsythe Rd. Sykesville, Md. 21784 PHONE 442-2456

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION King's Gift LOT NO. 52

ROAD AND DESCRIPTION North of Route 144, East of Thompson Drive
(11686 Frederick Road (Route 144))

TAX MAP 16 PARCEL # 369

SIZE OF LOT 5 ac. TYPE BLDG. Single Family
(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.

Jennifer D. Johnson (agent)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3/16/89 - PERC OK HOLTZER PHD

BLDG. PERMIT SIGNED
AND RETURNED 5/16/90
Serial # 36565
SFR - 5 Bedroom

THIS IS NOT A PERMIT

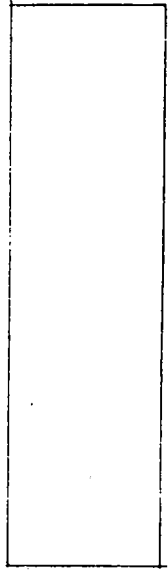
BLDG. PERMIT SIGNED
AND RETURNED 2/12/91
Serial # 36592 - Home

col 52

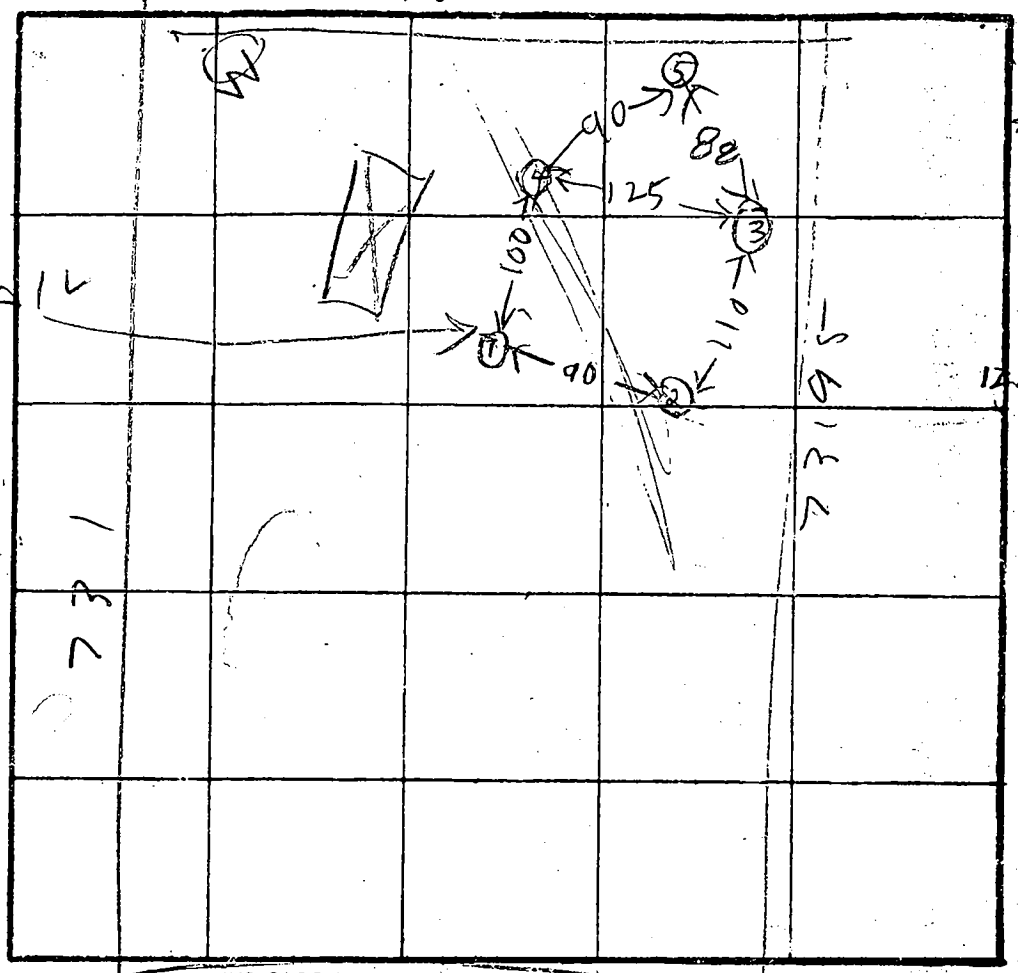
300

(5)

SOIL PROFILE

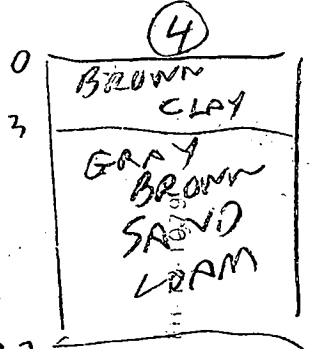
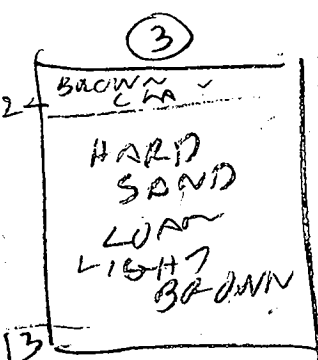
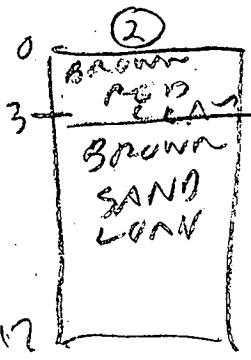


FAIL



CLAY TOPSOIL
GRAY BROWN SAND LOAM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
ROUTE 144



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/16/89	(D) 15	5.5	1037	1046	1046	1100	14
	17	9	1037	1107	1046	Fail	
	IV	12	SLOW FAIL				
	(B) 2 S	5	1042	1044	1044	1046	2
	3 V	12	OIC				
	(A) 3 S	3	1050	1051	1051	1052	1
	3 V	13	OIC				
	(C) 4 S	8	1116	1120	1120	1124	4
	4 V	16.5	1118	1120	1120	1128	8
	4 V	17.5	OIC				
	5 V	12.5	OK				

REMARKS 3/189 - HOLES DUG PER TEST PIT EXCEPT (5)

TYPE OF SOIL _____

TESTED BY B12

ALSO PRESENT *K. L. Lerner*
Dave
Jeppinder
Geneva

13

APPLICATION

Kings Gift
Lot #52 A 27241

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE P _____
1000 gallons

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

Septic Tank { *1-3 Bedrooms*
4 Bedrooms } DISTRICT 3
DATE 1250 gallons

** Dry well to have 135 sq ft. effective
absorbant area per bedroom below inlet
inlet to be 4' below original grade and maximum
depth 11' location per engineers plat 150'
from left rear corner point of lot towards front
of lot and 20' off left property line. Per hole (12+13)
when paving lot from D. 144 or if dry well + trench used - need:*

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 James W. Dickey, et al
ADDRESS 13850 Forsythe Rd. 21784 PHONE 442-2226

PROPERTY LOCATION: Kings Gift
SUBDIVISION ~~Dougherty Manor West~~ LOT NO. 52

ROAD AND DESCRIPTION FREDERICK ROAD (RT 144) OPPOSITE
Philadelphia Rd

SIZE OF LOT 5.0 ACRES TYPE BLDG. _____ 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 *[Signature]*

APPROVED BY C. B. Steaks FOR *dry well + 100'* DATE 7/24/78
(KIND OF SYSTEM) *trench*

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

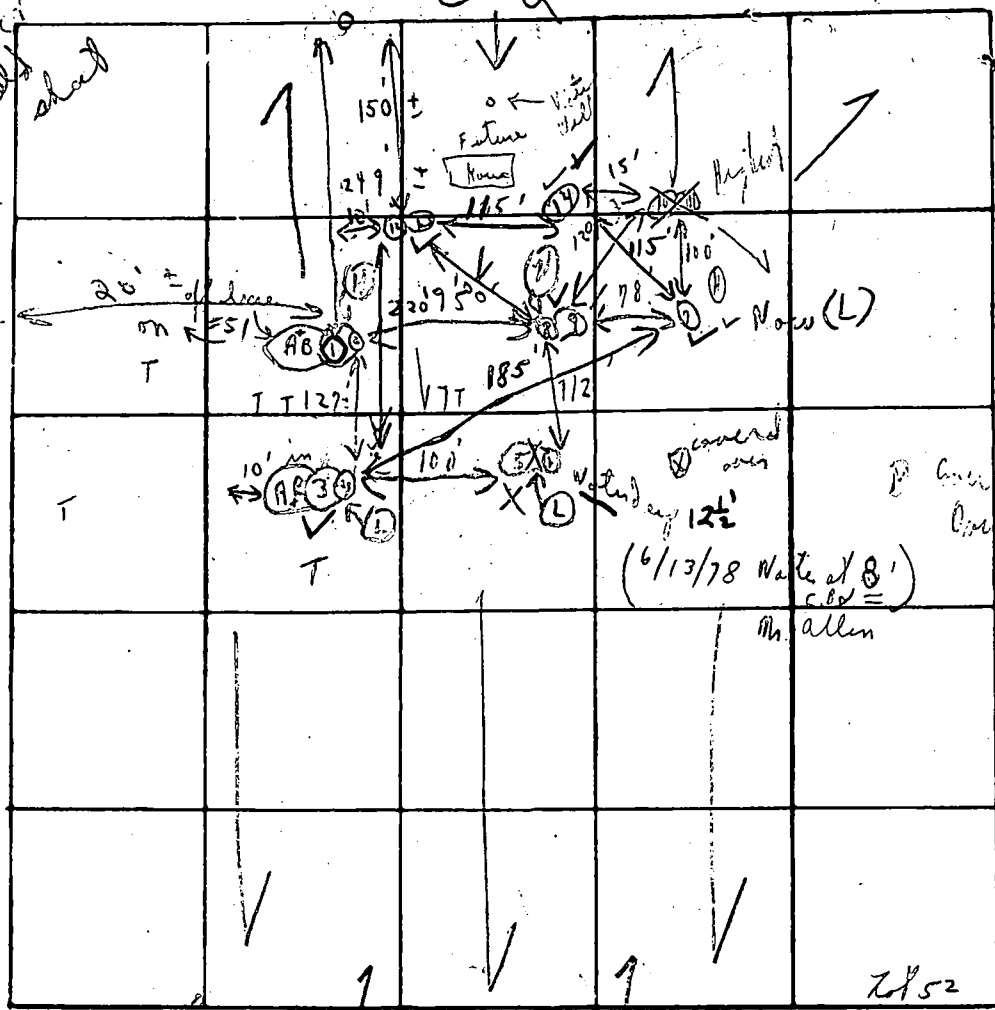
REASONS FOR REJECTION OR HOLDING 6/13/78 for certified holes high ground
6/15/78 Tentative Tests given approved by D.W.M. + C.B.D.
7/21/78 Plat signed by D. Boyd.
C.B.D.

THIS IS NOT A PERMIT

Home #52

Field sheet

50 #52



6/13/78
 4m 12 4' 1:20 1:22 2:20
 3m 13 12' 1:20 1:25 2:25
 5m 14 4' 1:35 1:37 1:44
 15 11' 1:40 1:42 1:44
 17m 6/13/78
 Hold for waiting (Wanted for?)
 7m any 4' ceiling field sheet
 Minimum depth 11'
 Recovered to 36 1/2' sec. of

INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE

Hold R 144 0 1/2" at 3:08

DATE	TEST NO.	5'-5 1/2' DEPTH	2 1/2" RE-WET 2 START	STOP	TEST - 1" DROP: START	STOP	TIME
6/13/78	(1) A	5 1/2'	10:50	1:36	10:10	10:10	
	(2) B	13'	1:38	1:41	1:41	1:44	3m
	(3) A	5 ft.	1:30	1:30	2:00	1:30	
	(4) B	13'	2:30	2:45	2:45	3:14	29m
	(5) C	13'	12:55	1:08	1:08	1:26	18m
	(6) D	4 ft.	12:50	12:57	12:57	1:27	30m
	(7) E	12.5 ft	WATER at 12:53		12:53		
	(8) F	4'	12:47	12:53	12:53	1:05	12m
	(9) G	9'	1:44	1:47	1:47	1:53	6m
6/13/78	10	4 1/2'	1:46	1:55	1:55	2:20	8m
	11	12 1/2'	1:45	1:47	1:47	1:55	8m
6/13/78	10	4'	12:49	1:16	1:16	1:47	27m
	11	10 1/2'	12:49	1:16	1:16	1:47	27m
6/13/78	8 B	5 1/2'	10:47	10:11:11	10:24m	10 1/2" perc.	10m
	8 C	6 1/2 1/2'	12:27	12:33	12:33	12:43	10m

REMARKS: Hold for cut-off holes + (Hold lower shelves) Open area about 2' x 2' area

TYPE OF SOIL: High 6/13/78 (1) Mr. Mamma - engineer (2) Mr. Allen

TESTED BY: C. B. & M. B. ALSO PRESENT: C. B. & M. B.

Old hole 2 1/2' in area just no flow
 local bucket
 11' 6/13/78 water at the top
 3:15 -

C1 1185 SEQUENCE NO. (DENY USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A43508

ST/CO USE ONLY
 DATE Received: [] [] [] [] [] []
 DATE WELL COMPLETED: [] [] [] [] [] []

Depth of Well 150
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
40-10-1026

OWNER Johnson last name 1st 104 first name
 STREET OR RFD 1st 104 TOWN Ellicott City
 SUBDIVISION KINGS CREST SECTION 1 LOT 152

WELL LOG
 Not required for driven wells
 STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
DIRT	0	2	
RED CLAY	2	10	
SAND	10	35	-
GRAY SAND STONE	35	55	-
BROWN SAND STONE	55	60	
GRAY + WHITE SAND STONE	60	150	

11-8-89 Inspector reports:
 40 ft casing
 14 ft open hole with pipe jetted down to 30 ft.
 Driller reports accuracy of completion report.
 See grout sheet. DEN 5-9-90

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
 TYPE OF GROUTING MATERIAL
 CEMENT BENTONITE CLAY
 NO. OF BAGS 15 NO. OF POUNDS 1410
 GALLONS OF WATER 75
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 43 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER

MAIN CASING TYPE ST
 Nominal diameter top (main) casing (nearest inch) 6
 Total depth of main casing (nearest foot) 45

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
 ST STEEL BR BRASS HO OPEN HOLE
 PL PLASTIC OT OTHER

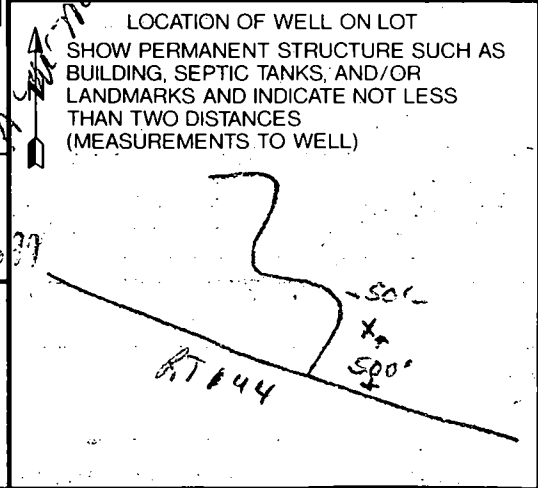
DEPTH (nearest ft.)
 EACH SCREEN: HO 43 150
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) 70 72
 W Q 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 110
 METHOD USED TO MEASURE PUMPING RATE _____
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 0720
 WHEN PUMPING 1720
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED _____
 PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: _____
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____
 PUMP HORSE POWER _____
 PUMP COLUMN LENGTH (nearest ft.) _____
 CASING HEIGHT (circle appropriate box and enter casing height)
 + above - below
 LAND SURFACE 2 (nearest foot)



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.

DRILLERS IDENT. NO. 429
D. A. D. C.
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

B 1 2145

SEQUENCE NO. (DP USE ONLY)

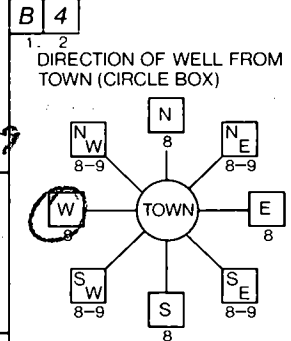
STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER 40-88-11076 fill in this form completely

Date Received (APA) 09.12.89 OWNER INFORMATION JOHNSON, Jennifer ELLICOTT CITY MD 21043

LOCATION OF WELL HOWARD KING'S GIFT ELLICOTT CITY MILES FROM TOWN 3 MI

DRILLER INFORMATION D.A. DiCicco TRI STATE EXPLOSIVES, INC. Bethesda, MD. 20817



11686 RL 144 NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 50 FT

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 600

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A43548 DATE ISSUED 101689 CO SIGNATURE Mark E. P. Klein 4/16/90

USE FOR WATER (CIRCLE APPROPRIATE BOX) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

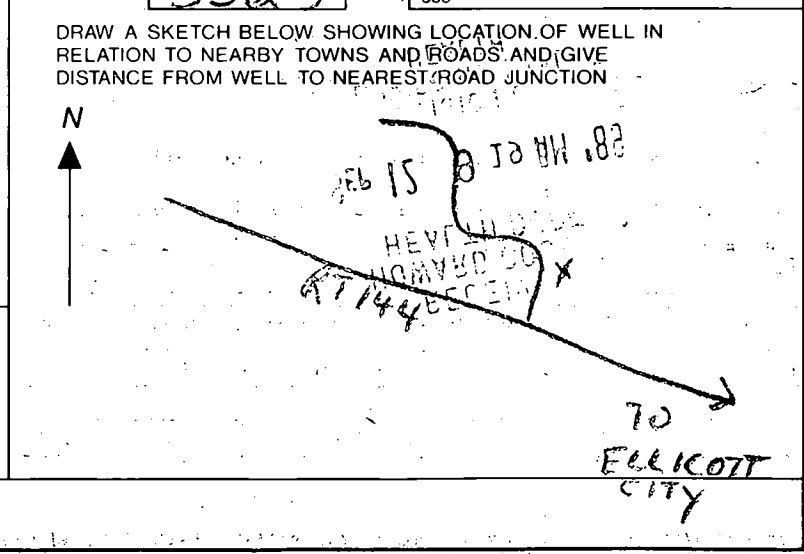
APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. City Water 2. Well Water WRITE THE BOX NUMBER FROM THE MAP HERE

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL



Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE MLL PERMIT No. 40-88-11076

SPECIAL CONDITIONS

TRI STATE EXPLOSIVES INC
P.O. Box 34300
Bethesda, MD 20817

1-301-340-3286
Don DiCicco - Driller
Tri-State Explosives

11/8/89

- (1) CUT casing
- (2) 14 FT open hole
- (3) Pipe jelled down to 30 FT
- (4) 15 Bags
- (5) well OK

R 7

SEP 12 9 19 AM '89

RECEIVED
HOWARD COUNTY
HEALTH DEPT

 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: 7/7/99 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

HO - 88 - 1076

* PERMIT NUMBER OF REPLACEMENT WELL

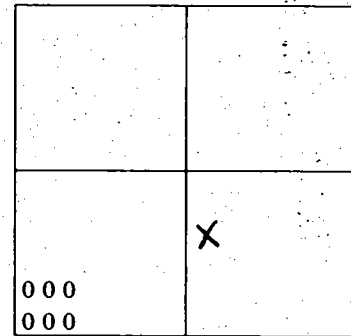
* PERSON ABANDONING WELL: Joseph L. Mayne

WELL DRILLERS LICENSE NUMBER: 024

* OWNER'S NAME: Jacobsen Homes

CIRCLE: MWD/MSD/MGD

* WELL LOCATION:
 COUNTY: Howard
 NEAREST TOWN: West Friendship
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: Kings Court
 SECTION: _____ LOT: 52
 NEAREST ROAD: 11686 Frederick Rd.



SHOW WELL LOCATION BY X WITHIN BOX

MARYLAND GRID COORDINATES

BOX NUMBER
 E 820
 N 530

* 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: 6 5/8 INCHES IN DIAMETER

* DEPTH OF WELL: 150 FEET DEEP

* WAS ANY CASING REMOVED? YES NO
 if yes, length removed, in feet: 22 ft.

* WAS CASING RIPPED OR PERFORATED? YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement	0	46
Washed Gravel	46	150

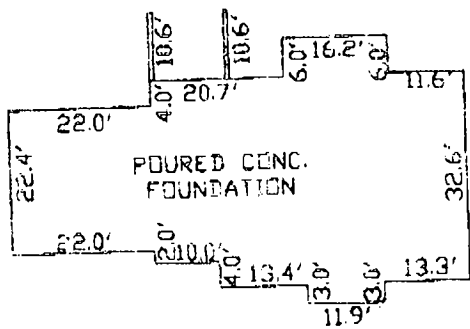
SIGNATURE - MASTER WELL DRILLER OR SUPERVISING SANITARIAN Joseph L. Mayne LICENSE # 024

MWD/MSD/MGD
 CIRCLE ONE

7/8/99
 DATE

GENERAL NOTES:

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240048 0018 B, EFFECTIVE DATE: DEC 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).



LOT 51

EASEMENT FOR INGRESS & EGRESS LIBER 2226, FOLIO 166

LOT 52

MARYLAND ROUTE 144

KING'S GIFT
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DEED REFERENCE: LIBER 4291, LIBER 521

S 70°34'59" E 85.00'

S 06°58'09" E 384.07'

S 26°45'22" W 731.90'

105.1'

109.2'

N 19°17'39" E 381.85'

S 70°34'58" E 350.00'

144

HOUSE ADJUSTED SLIGHTLY NO IMPACT LOT 54 MR 7/19/99

TOP OF FOUNDATION ELEV. 535.5'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 481-2855



Charles J. Crowe
PROFESSIONAL LAND SURVEYOR
REG. # 10763
DATE 7/1/99

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 7/1/99
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=100'
DATE: 7/1/99
DRAWN BY: T.P.F.
CHECKED BY: C.C.
PROJECT No.: 61364

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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER _____ DATE _____

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER _____ DATE _____

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE _____

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

HOWARD SOIL CONSERVATION DISTRICT DATE _____

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
- CONSTRUCT DWELLING ON SITE. (90 days)
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS:
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (67 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./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT THE TIME OF SEEDING.

APPLY 400 LBS. PER ACRE 30-0-0 SOLUBLE FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (1.5 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING:

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS, DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OPTION (2) - USE 500, OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING:

APPLY 1 1/2 TO 2 TONS PER ACRE (80 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:

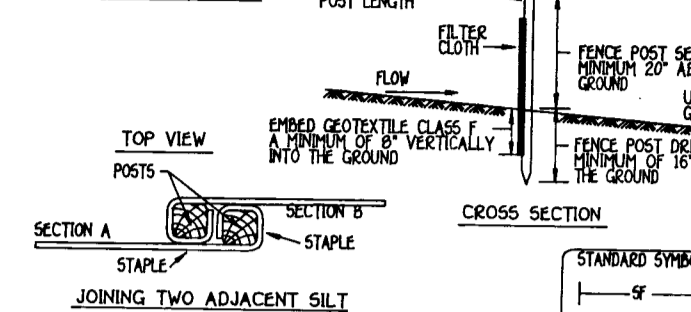
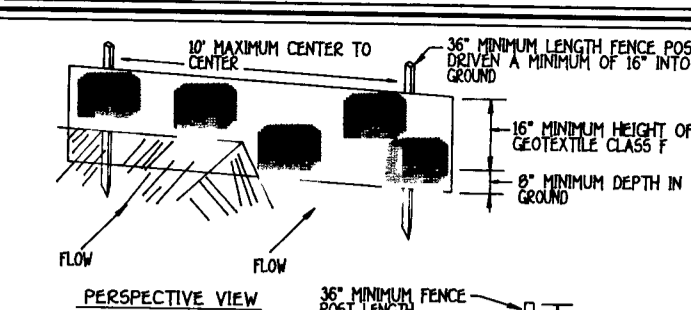
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWN VETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
TOPSOIL SHALL BE A LIGHT SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLACK, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.

TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERNHARD GRASS, QUACKGRASS, JOHNSONGRASS, NUTSLEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.



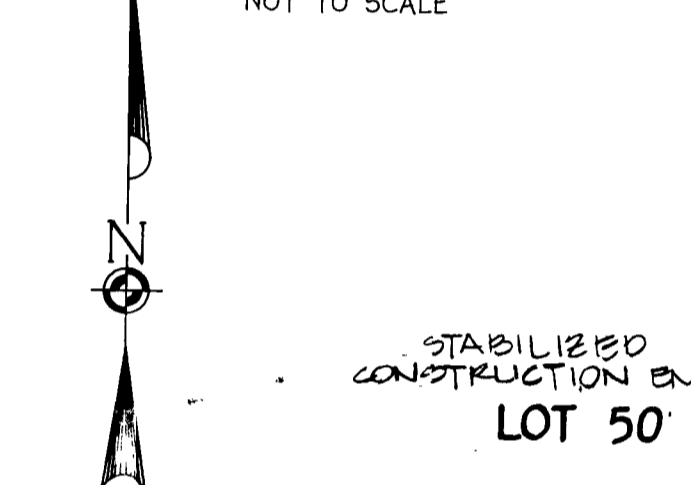
Construction Specifications

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard I or U section weighing not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min)	Test: MSHT 509
Tensile Modulus	20 lbs/in (min)	Test: MSHT 509
Flow Rate	0.3 gal ft ² /minute (max)	Test: MSHT 322
Filtering Efficiency	75% (min)	Test: MSHT 322

- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

SILT FENCE
NOT TO SCALE

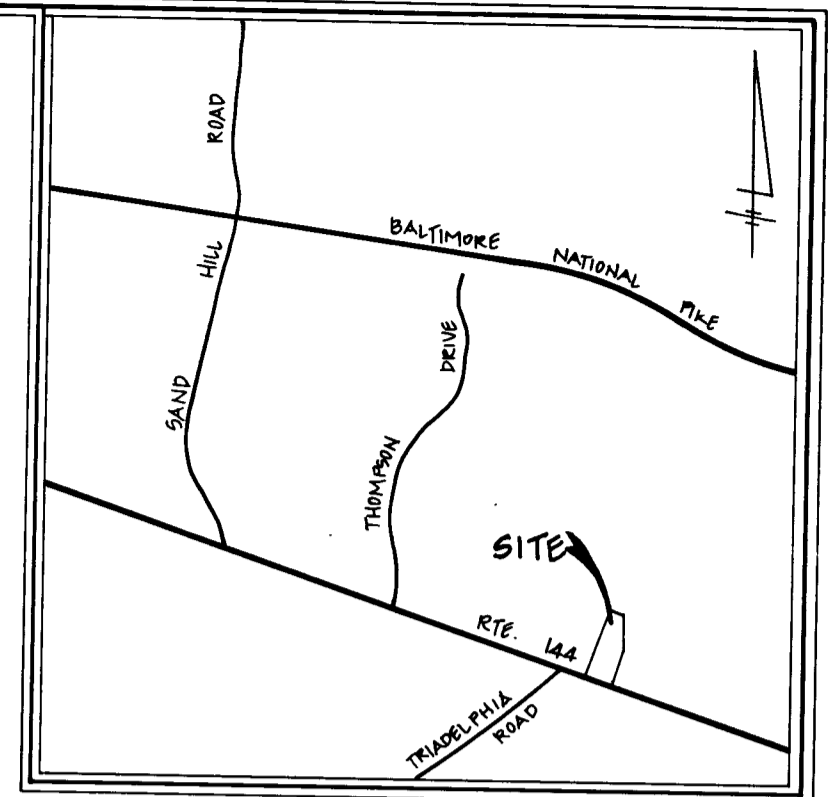


Approved Septic System Plan
Howard County Health Department

6/17/99
Date

Estimated Depth of Stone Required Below

Depth of trench	5.0 feet
Depth of trench	3.0 feet
Depth of trench	1.0 feet
Total Linear Feet of Trench	170 feet



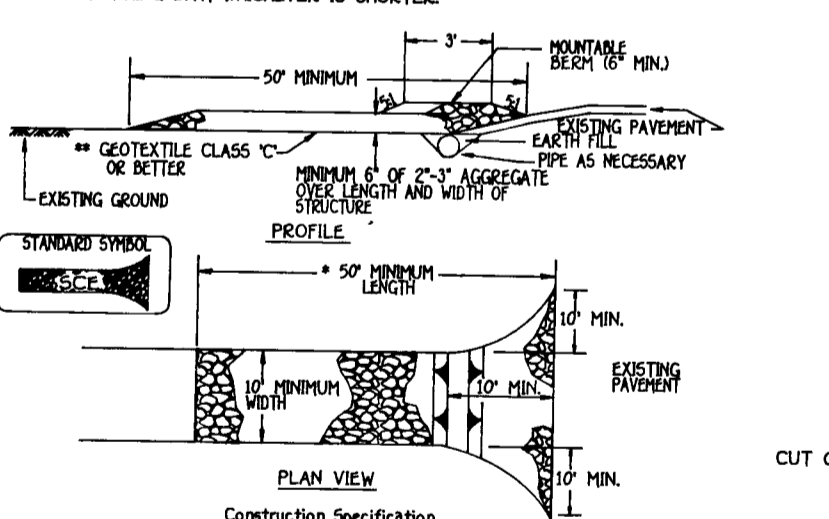
VICINITY MAP
SCALE: 1"=2000'

SEPTIC ELEVATIONS

1. Inv. @ house	529.5	ERTMENT
2. Inv. into septic tank	529.2	
3. Inv. out septic tank	528.9	
Inv. into pump chamber	528.7	
Inv. into DB	539.0	

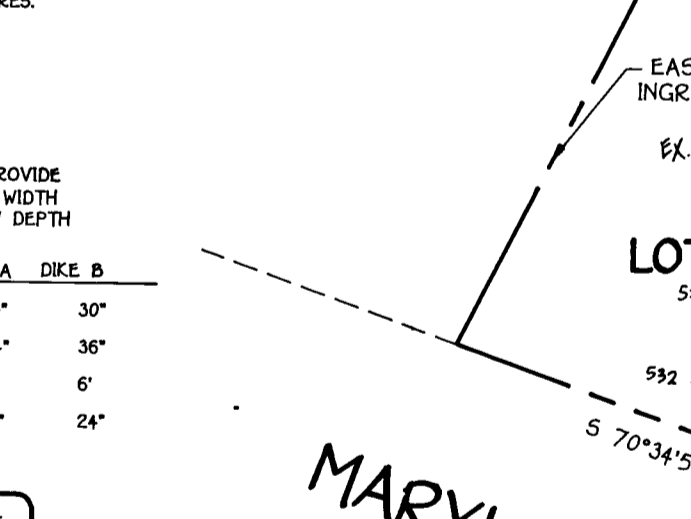
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

- SEDIMENT CONTROL NOTES**
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1055).
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1. b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL THE END OF CONSTRUCTION. THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:
TOTAL AREA OF SITE 4.37 ACRES
AREA DISTURBED 0.24 ACRES
AREA TO BE ROOFED OR PAVED 0.00 ACRES
AREA TO BE VEGETATIVELY STABILIZED 0.31 ACRES
TOTAL CUT 100 CU.YDS.
TOTAL FILL 100 CU.YDS.
 - OFFSITE WASTE/BORROW AREA LOCATION CUYDERS
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 1/4 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL STRUCTURES, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
 - TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



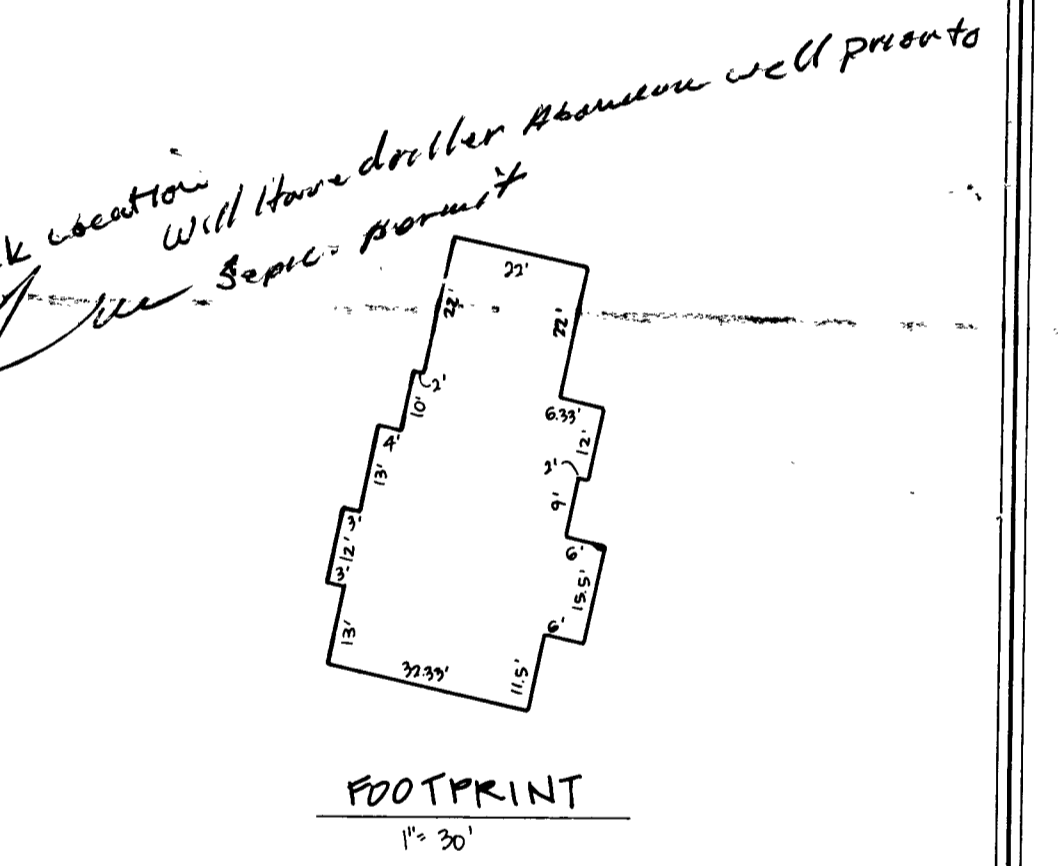
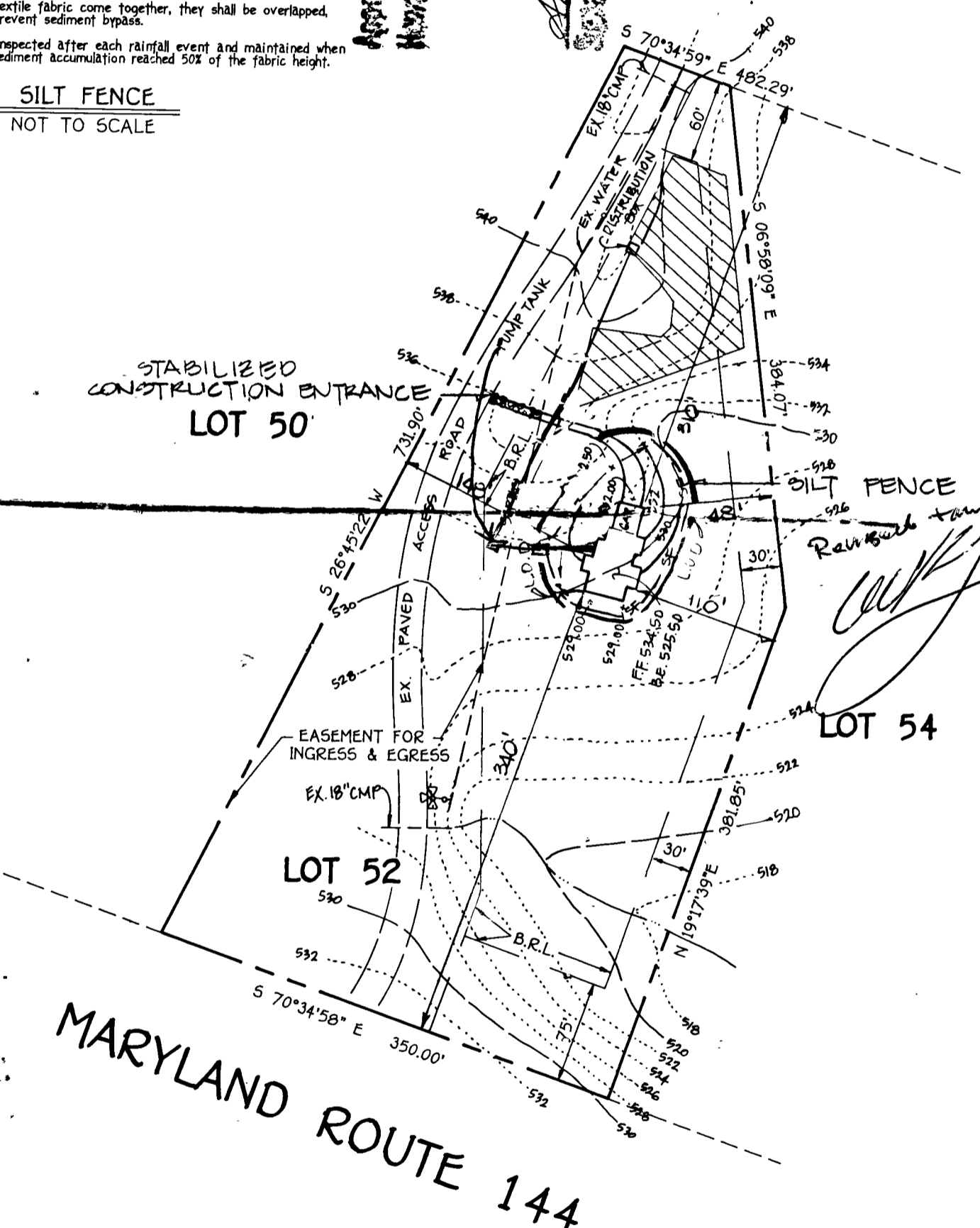
- STABILIZED CONSTRUCTION ENTRANCE - 2**
NOT TO SCALE
- Length - minimum of 50' (*30' for single residence lot).
 - Width - 10' minimum, should be flared at the existing road to provide a turning radius.
 - Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
 - Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
 - Surface Water - All surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mounable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2255



- Construction Specifications**
- Seed and cover with straw mulch.
 - Seed and cover with Erosion Control Matting or line with sod.
 - 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum

- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
- Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
- The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
- Fill shall be compacted by earth moving equipment.
- All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
- Inspection and maintenance must be provided periodically and after each rain event.



PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT KING'S GIFT LOT 52

TAX MAP THIRD ELECTION DISTRICT SCALE: 1" = 100'

PARCEL HOWARD COUNTY, MARYLAND DATE: MAY, 1999