

APPLICATION

2/6/98
15:00
3/11/98
10 AM

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 REC'D FIG.
WET SEASON TEST WU
(PLAN PENDING) (CW)
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

SYKESVILLE, 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 53

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 _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

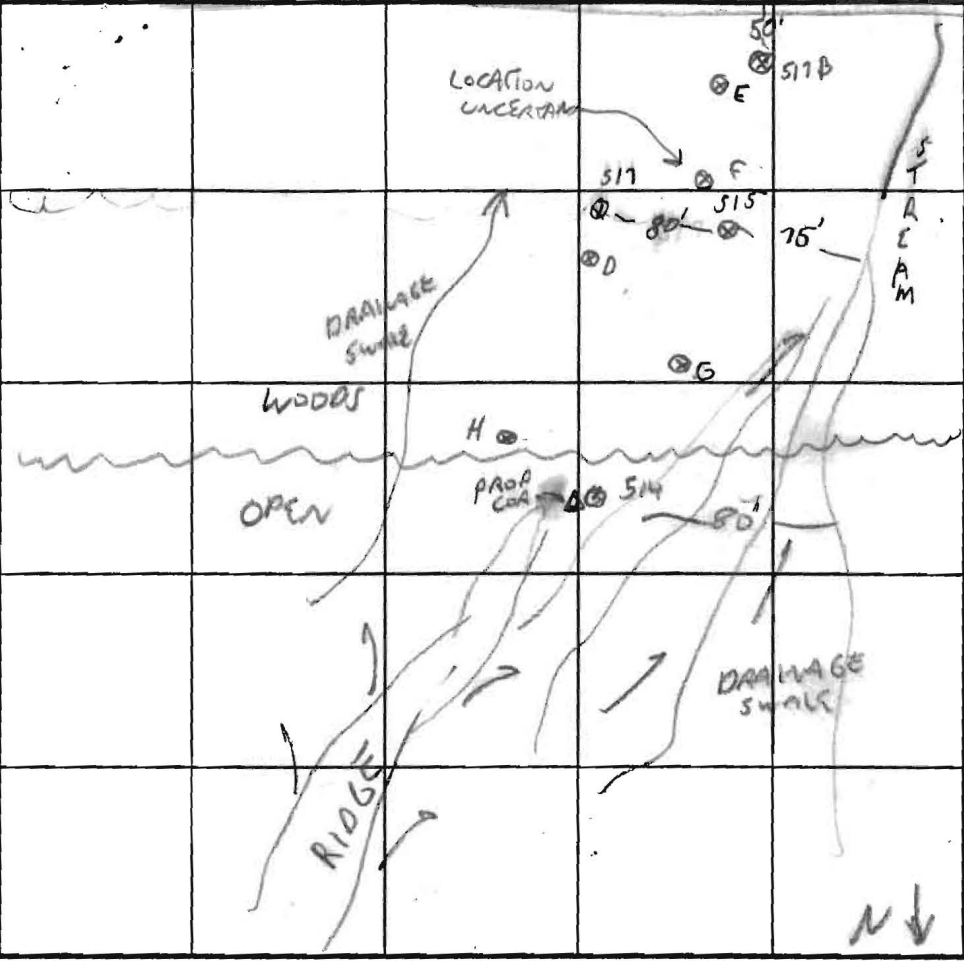
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

603 R.W. TO 144' →

A59282
COUNTY #



SOIL PROFILE 514
 0' TOPSOIL/BR LOAM
 1.5' 10YA 3/3 MICACEOUS LOAM
 6' 10YA 7/4 LOAMY SAND-COARSE MASSIVE
 CAVING 5YA 7/1 FROM WET GROUND
 WATER 8.5'

SOIL PROFILE 515
 0' TOPSOIL BROWN CL
 2.5' 5YA 1/1 W/ 50% 5YA 5/8 MOTTLES
 5-8' WATER RUNNING IN

517
 TOPSOIL BR LOAM
 3.5' 10YA 9/2 6/4 MIXED W/ 30% QUARTZ SAND 5YA 9/4 COARSE BLACK MANGANESE BANOS THROUGHOUT
 5-8' WATER RUNNING IN

517B
 TOPSOIL CLAY
 3' DULL GREY BROWN SL W/ IRON ILLUATION
 8' IRREGULAR PINK-GREY GRY COARSE SL
 WATER RUNNING IN AT 5'
 11' WATER

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/11/98	514	8.5'	2-5MIN	ESTIMATE @	2.15'			
			NOT SUITABLE FOR STANDARD TRENCH DUE TO WATER TABLE					
3/24/98	D, E, F		SEE NOE DATA FORM FOR RESULTS					
3/25/98	G, H		STANDARD PERCS NOT DONE DUE TO SHALLOW WATER TABLE, OLD RECORDS NOT LOCATED, PERCS IN SIMILAR SOIL AT HIGHER LANDSCAPE POSITIONS ARE 2-5MIN					

REMARKS: AVOID SCALES COMPLETELY - USE HIGH GROUND
 TYPE OF SOIL: AREA FOR SAND FOUND LIMITED BY TOPOGRAPHY + WOODS
 TESTED BY: G. SAVAGE ALSO PRESENT: KTK
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 TRENCH 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

*PROVISION OR
PROPOSED LOT RECONFIG.
NOT SEASON TEST SU
(PLAN PENDING) (C)*
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
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. 53/54

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 _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

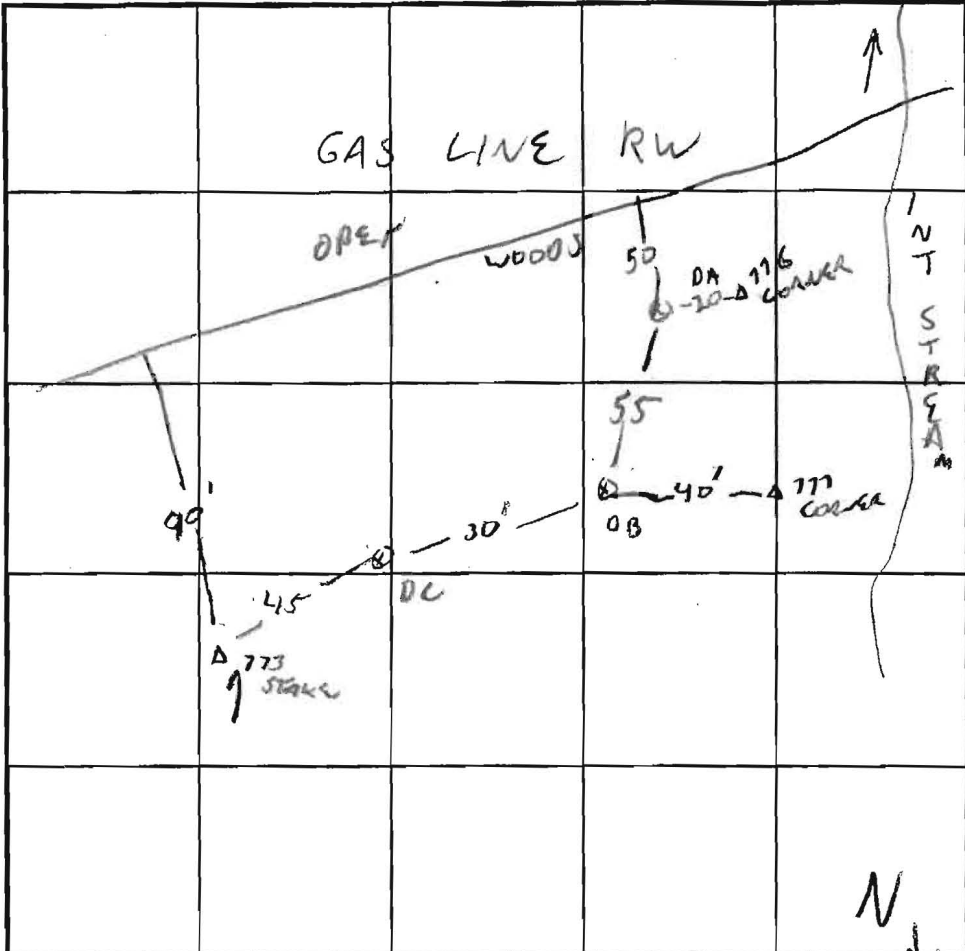
HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

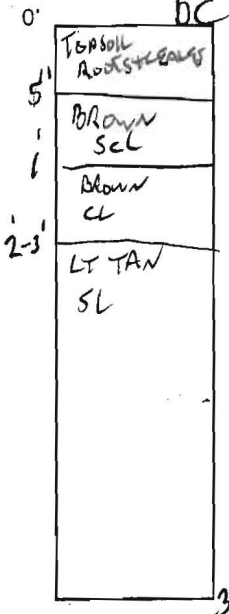
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

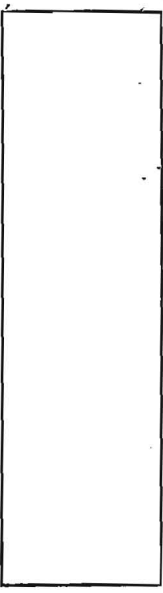
THIS IS NOT A PERMIT



SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/23/98	DC	*12.5V	WATER	AT 12.5				
		SHALLOW	3'-4'	TEST HOLES OPENED ADJACENT TO INFILTRATION LOCATIONS TO MONITOR INFLUENCE DEPTH IS SET CORRECTLY, ALL SIMILAR TO DC CLAY AND COLORATION VARY SLIGHTLY				
				DC HAS HIGHEST CLAY CONTENT.				
				CLOSE TO PREVIOUS #517 WHICH HAD WATER BELOW 5' ON 3/11/98				
	*		DEEP HOLE FOR CONSULTANT'S OBSERVATION					

REMARKS HOLE OPENED AT DC TO CHECK WATER LEVEL

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT JAMES CLISE, OUR KETTERMAN JR.

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

43548

PERCOLATION TESTING

A _____
P _____

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

DISTRICT _____
DATE _____

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 _____

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION KINGS GIFT LOT NO. LOT 53

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING

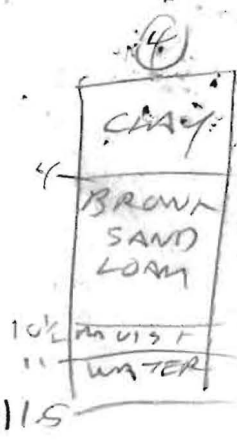
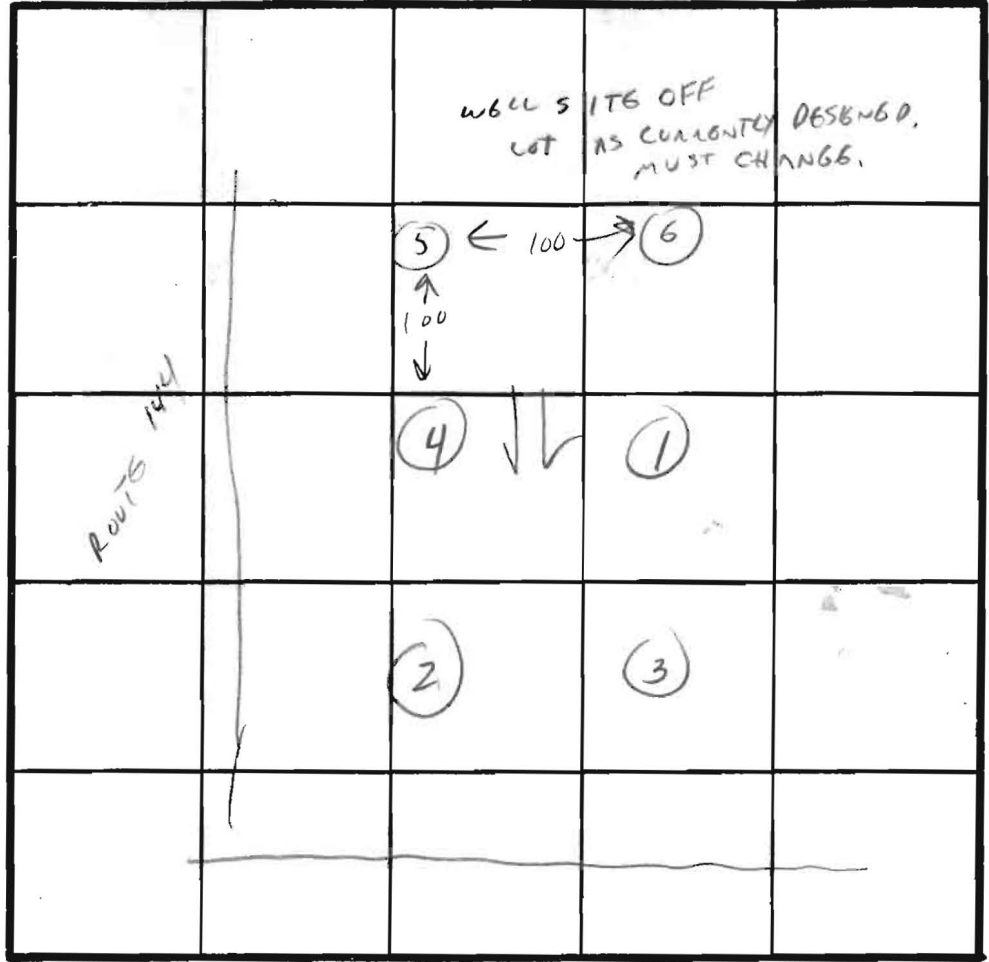
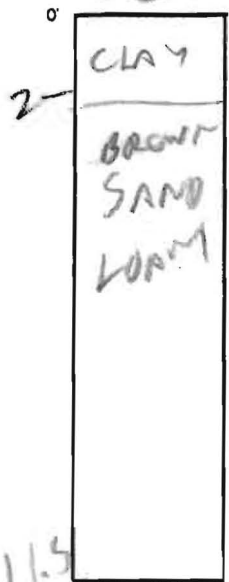
VOLD - SEE NOTE ST 0A59282
OF 12/3/98 FOR LPD SYSTEM IN
RECOVERING LOT 1

HD-216

THIS IS NOT A PERMIT

253
54

SOIL PROFILE



546



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
3/16/89	(D) 1S	3	1139	1140	1140	1142	2 MIN
	(D) 1D	3.5	1139	1140	1140	1142	2 MIN
3/16/89	IV	11.5	OK	WATER	11' AFTER	4 HOURS	
	(A) 2S	3.5	1148	1153	1153	1201	8 MIN
	(A) 2V	11	WATER 11'				
	(C) 3S	3.5	1150	1155	1155	1201	6 MIN
	(C) 3V	11	WATER 11'				
3/16/89	(B) 4V	11.5	WATER 11 FT				9 FT
	5	3 1/2	3:17	3:19	3:19	3:22	4 MIN
		11 LOAM	FROM 3 1/2' WATER AT 11'				
	6	3 1/2 LOAM	- WATER AT 11'				VIS OK

8 MIN
200
11.6
2 1/2
BOTTOM 4'

REMARKS LOT LINES TO BE RECONFIGURED - LIKELY MAJOR CHANGES IN LOT LINE COMPARE TO 52/53

TYPE OF SOIL USE HOLE 1, 4, 5, 6

TESTED BY Bit/cwllm

ALSO PRESENT JERAMINE JENNIFER DAVE KETTERMAN JR

MARYLAND DEPT. OF THE ENVIRONMENT

ONSITE SEWAGE DISPOSAL PERMIT

SITE EVALUATION REPORT

PERCOLATION TEST DATA

KINGS GLE

FILE NO. A59282

MD GRID:

COUNTY:

TAX MAP/B/P:

SUBDIVISION:

LOT 53 SECTION

PAGE 1 OF 2

METHOD	INCLINOMETER			BY: GLENN SAVAGE		
DATE	12/23/98	SOIL -	CLAY LOAM	WEATHER: 20° E DRY		
DEPTH	18"	HOLE DIA. (in.)	12"	CONV. FACTOR		
TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
DA	11:04	0	6	0	0	
	11:32	28	5	1	28	REFILL TO 6"
	12:02	30	5 1/4	3/4	45	"
	12:32	30	5 3/16	13/16		
	1:02	30	5 1/4	7/16		
	1:32	30	5 3/8	5/8		
	2:02	30	5 11/16	11/16		
	2:32	30	5 7/16	9/16		246 gpm

CONDUCTED WITH JAMES CULPE RE. OLEO 160728MAN
 ± 1 1/16 MARGIN SEE PAGE 2 OF 2

TEST RATE

METHOD	INCLINOMETER			BY:		
DATE	12/23/98	SOIL -		WEATHER: 20° E, DRY		
DEPTH	18"	HOLE DIA. (in.)		CONV. FACTOR		
TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
DB	11:40	0	6	0	0	
	1:56	16	5	1	16	REFILL TO 6"
	12:11	15	5 1/4	3/4	15	"
	12:26	15	5 7/16	7/16		
	12:41	15	5 7/8	9/16		REFILL TO 6"
	1:06	45	5 3/4	1 1/4	36	REFILL TO 6"
	1:31	15	5 9/16	7/16		
	1:46	15	5 1/16	1/2	30	REFILL TO 6"

SEE PAGE 2 OF 2

TEST RATE

NOT STABILIZED

METHOD	INCLINOMETER			BY:		
DATE	12/23/98	SOIL -		WEATHER: 20° E DRY		
DEPTH	18"	HOLE DIA. (in.)		CONV. FACTOR		
TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
DC	11:54	0	6	0	0	
	12:24	30	5 3/4	1 1/4	120	REFILL TO 6"
	12:54	30	5 5/8			
	1:24	30	5 9/16	1/16	480	
	1:54	30	5 1/2	1/16	480	
	2:24	30	5 7/16	1/16	480	

TEST RATE

480 min/in

AVE. RATE

**MARYLAND DEPT. OF THE ENVIRONMENT
 ONSITE SEWAGE DISPOSAL PERMIT
 SITE EVALUATION REPORT**

FILE NO.
 MD GRID:
 COUNTY:
 TAX MAP/B/P:
 SUBDIVISION:

PERCOLATION TEST DATA
 KING'S GIFT
 LOT 54 SECTION

(Hole D
 15 on Lot 53)

METHOD		BY: G. SAVAGE				
DATE	3/24/98	SOIL -	WEATHER: PARTLY sunny, 48°F			
DEPTH		HOLE DIA.(in.)	12	CONV. FACTOR		
TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
D	2:48		7			
	3:01	15	2 1/16	4 3/16		
	3:04		7			
	3:08	4	6	1	4	
	3:12	4	5	1	4	

TEST RATE

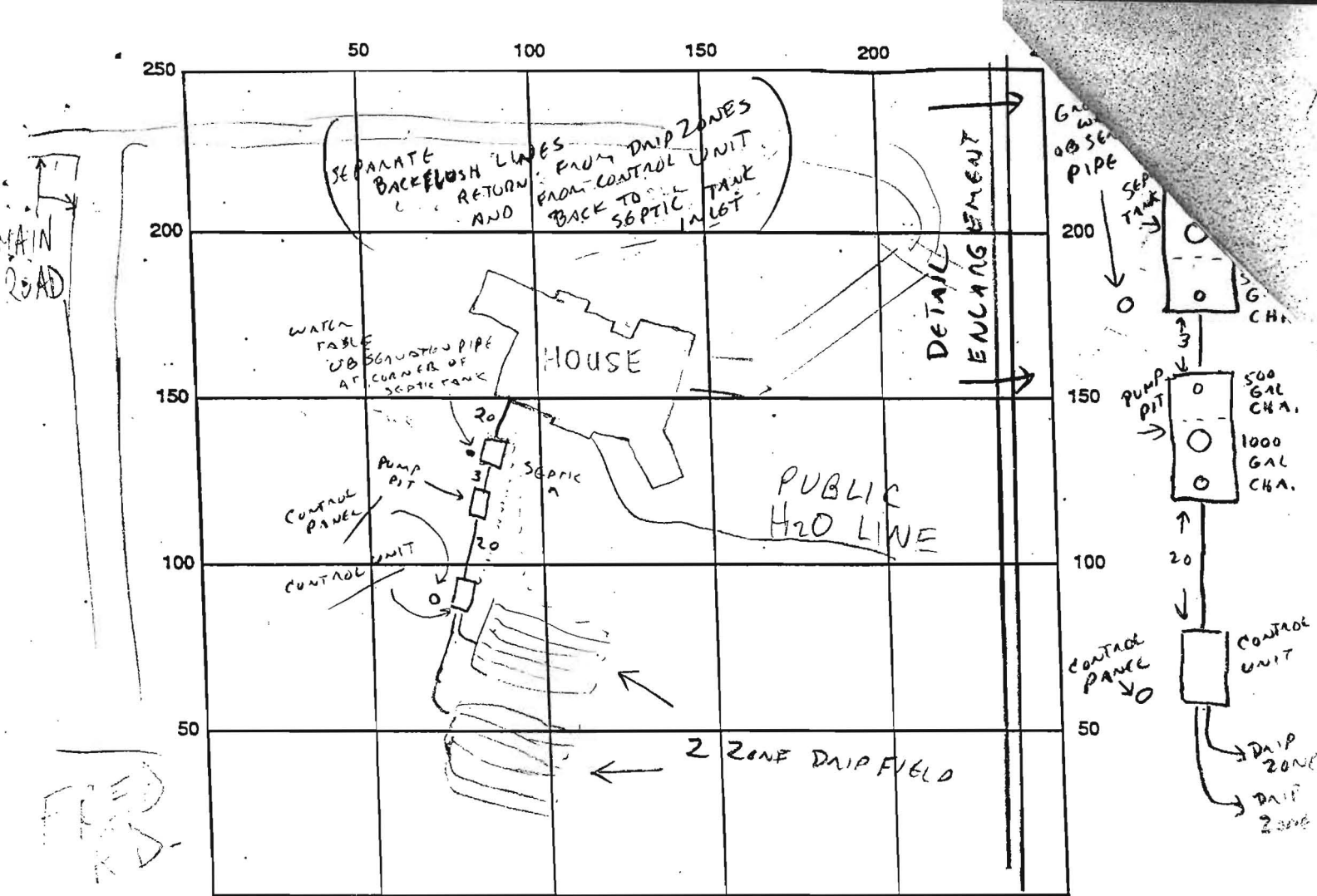
METHOD		BY:				
DATE		SOIL -	WEATHER:			
DEPTH		HOLE DIA.(in.)	12	CONV. FACTOR		
TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
E	1:46		7			
	3:16	20	6 11/16	4 5/16		
	3:56	40	6 7/16	4 1/16	160	
	4:46	40	6 0/16	4 1/16	160	

TEST RATE

METHOD		BY:				
DATE		SOIL -	WEATHER:			
DEPTH		HOLE DIA.(in.)	12	CONV. FACTOR		
TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
F	2:50		8 1/4			
	3:10	20	8 5/8	3/8		
	3:50	40	9	3/8	106	
	4:30	40	9 3/8	3/8	106	

TEST RATE

AVE. RATE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Septic Tanks Level _____
 (Pump Pit)
 Dosing Chamber Level _____
 Dual Pump _____
 Controls _____
 Alarm _____
 Pump Test _____
 Piezometers _____
 Observation Ports _____
 Float Settings: High Off: _____
 High On: _____
 Low Off: _____
 Low On: _____

Trench: 2 ZONE Drip FIELD
 Width INSTALLED 12"
 Length BELOW GRADE.
 Bottom INSTALLED TO SUPPLY
 Depth AS BUILT
 Inlet _____
 Depth _____
 Gravel _____
 Depth _____

Alarm Float: _____

Remarks: 11/9/99 - S.T. HOLE HAS H₂O MOTTLING & SEEPAGE @ 3-4"
AGREED w/INSTALLER TO FILL S.T. w/H₂O UPON INSTALLATION, AND TAKE
SOME EXTRA MEASURE (AS DECIDED w/OWNER) w/ PUMP PIT (MR)
11/10 Groundwater stabilized @ 6'-7' B.G. (8" LOWER THAN MIDPOINT OF TANK), OBSERVATION PIPE TO BE ADDED FOR MONITORING
11/11 Drip-Lines installed, control box in place. READY FOR WIRING AND TESTING. (CW)
11/12 Flow thru system & return lines confirmed, no leaks detected, supplies to balance & start up later.

Date System Approved 2/9/00

Inspector B. Barber

300) 100,710 - gal 3/7/0
010827 5/5 Aragli



HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
3525-H Ellicott Mills Drive, Ellicott City, Maryland 21043-4544
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

Penny E. Borenstein, M.D., M.P.H., Howard County Health Officer

October 4, 2002

Mr. & Ms. Amir Araghi
11698 Frederick Road
Ellicott City, Maryland 21042

Dear Amir and Zhara:

I apologize for the delay in getting back to you with the wastewater flow data, and the assessment of the status of your existing onsite sewage disposal system for your property.

Barry Glotfelty, Regional Consultant, Maryland Department of the Environment prepared the following table that indicates the flow data taken from the flow meter installed with the drip disposal system:

<u>Date</u>	<u>Meter Reading</u>	<u>Gallons</u>	<u>Days</u>	<u>Gallons Per Day</u>
3/7/02	100,710.0 gal.	-----	0	-----
5/5/02	108,270.0 gal.	7560	59	128 gpd (3/7 thru 5/5)
6/24/02	114,109.4 gal.	5839	50	117 gpd (5/5 thru 6/24)
7/25/02	118,076.3 gal.	3967	31	128 gpd (6/24 thru 7/25)

Total		17,366	140	124 gpd (average)

The measured flows are average daily flows. They are well within the range that the system was designed for. Upon inspection, the mechanical components of the system were found to be functioning correctly. This data supports the conclusion that the cause of the system failure is due to soil conditions in the area where the drip tubing is installed. Solutions to the problem of

Page Two
October 4, 2002
Mr. & Ms. Amir Araghi

surfacing effluent are to maintain pumping of the septic and pump tanks, or to install additional drip field or a conventional trench system in suitable soils elsewhere on the property. The pumping and filtration equipment already installed with the existing drip system are adequate to pump effluent to the new soil absorption area, that has been identified and staked out on the area in the upper northwest corner of your property.

On the last visit to your property Mr. Glotfelty and I discussed the possible options for repair of your onsite sewage disposal system. If a conventional drain field were proposed, additional percolation tests would be necessary. I have researched our files for test holes near the area that we had discussed as a possible site for a repair, and enclosed a copy of test notes for two test holes dug in March of 1998 that are highlighted on the enclosed sketch. Hole 301 has suitable soil, however hole 303A had water at 7 ft. below grade. To resolve the issue with wet season testing, I compared the date of these tests (March 28, 1998) with monitoring well data for that same time period. These test holes were observed during a true wet season, so additional test holes could be tested now, or at any time, with the expectation that the water table would not get closer than 7 feet below the surface.

In addition enclosed is a copy of your public water bills with the average daily usage computed. These values appear to be in line with the flow data taken from the meter readings of the drip disposal system.

Should you have any questions or concerns please contact me at 410-313-2640.

Sincerely,



Frank Skinner, Director
Bureau of Environmental Health

FS/rmt
Enclosures

Cc: Barry Glotfelty

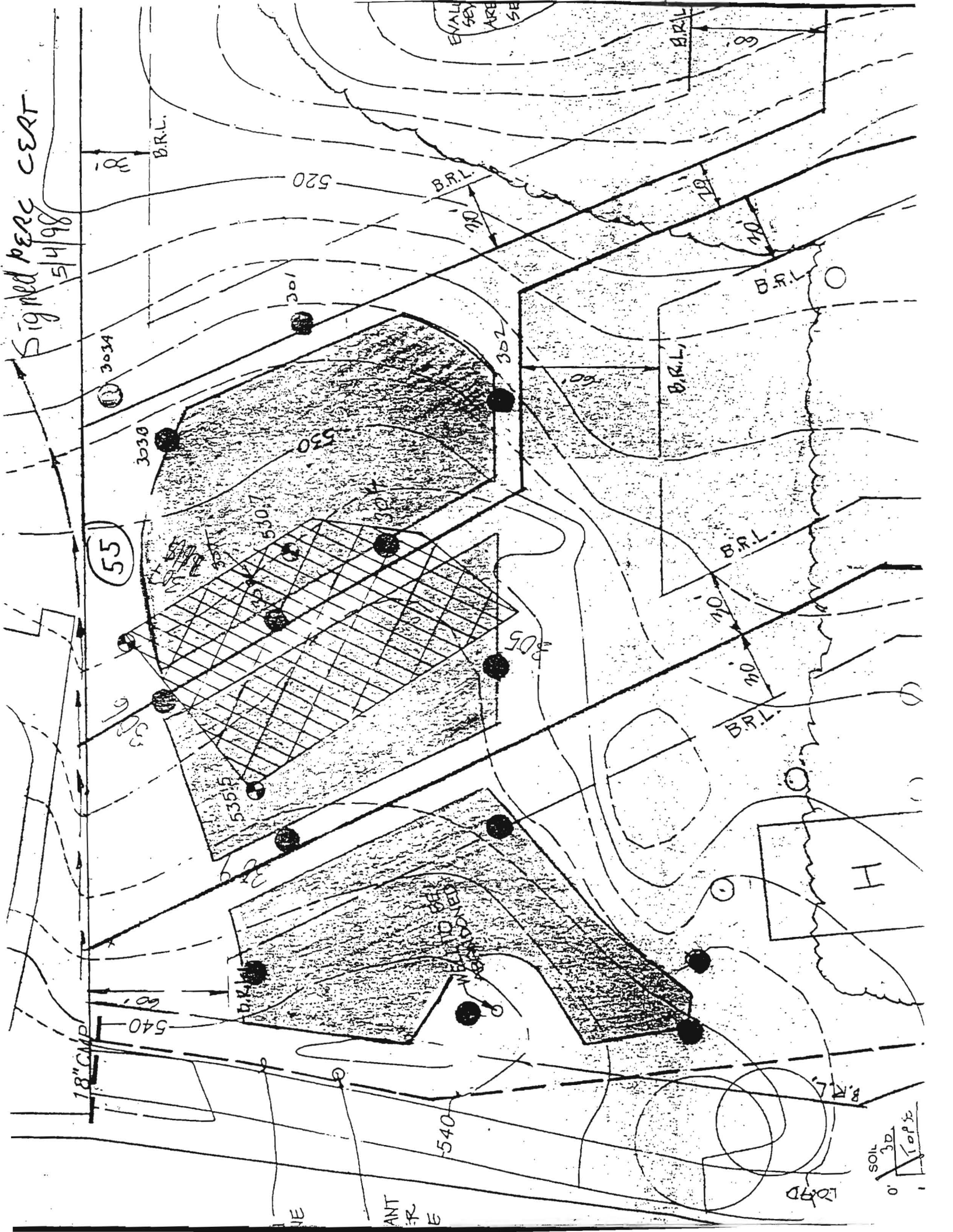


HOWARD COUNTY WATER & SEWER
P.O. BOX 3367
ELLCOTT CITY, MD 21041-3367
410/313-2058 410/313-3239 fax

WSCO WATER - SEWER BILLING SYSTEM PAGE 1 OF
 2 07/24/02 CONSUMPTION HISTORY 9:04 AM
 * NOTES EXIST *
 ACCOUNT# 15102400 AMIR & ZAHRA ARAGHI
 08/21/2000
 SURCHARGE CODE NONE 011698 FREDERICK RD
 MASTER/SUBMETER N/A
 BILLING FREQNCY Q QUARTERLY ELLCOTT CITY MD 210420000
 PROPERTY LOC 011698 - FREDERICK RD BLDG# LOT
 531 BILL STATUS B BILL

#Days	READING DATE	=====DIAL SETTINGS=====			CONSUMPTION	TM CD	BILLING DATE	BILLING AMOUNT	NET DUE DATE	Average Daily Water Use (gal./d)
		DIAL 1	DIAL 2	DIAL 3						
108	06/20/02	54	0	0	13	00	07/12/02	14.73	08/12/02	90 gal./day
88	03/04/02	41	0	0	15	00	04/12/02	14.95	05/13/02	127.5
93	12/06/01	26	0	0	18	00	01/11/02	17.23	02/11/02	144.7
43	09/04/01	8	0	0	17	34	10/15/01	18.17	11/14/01	(301.6)
	07/23/01	0	0	0	0	34	--CD DESC: METER CHANGED			
45	07/23/01	104	0	0	9	34	--METER CHANGE - OLD SETTINGS--			
95	06/08/01	95	0	0	18	00	07/13/01	19.03	08/13/01	155.2
91	03/05/01	77	0	0	16	30	04/16/01	15.71	05/16/01	141.7
90	12/04/00	61	0	0	18	00	01/12/01	17.23	02/12/01	133.9
95	09/05/00	43	0	0	22	00	10/16/00	22.47	11/15/00	149.6
111	06/01/00	21	0	0	21	00	07/14/00	21.61	08/14/00	173.2
	02/11/00	0	0	0	0	71	00/00/00	0.00	00/00/00	141.5

Signed PERC CERT
5/4/98

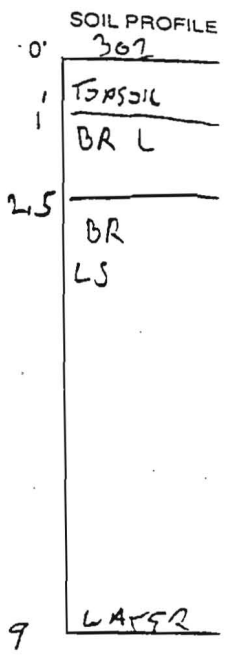
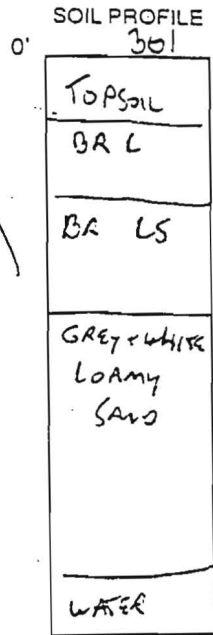
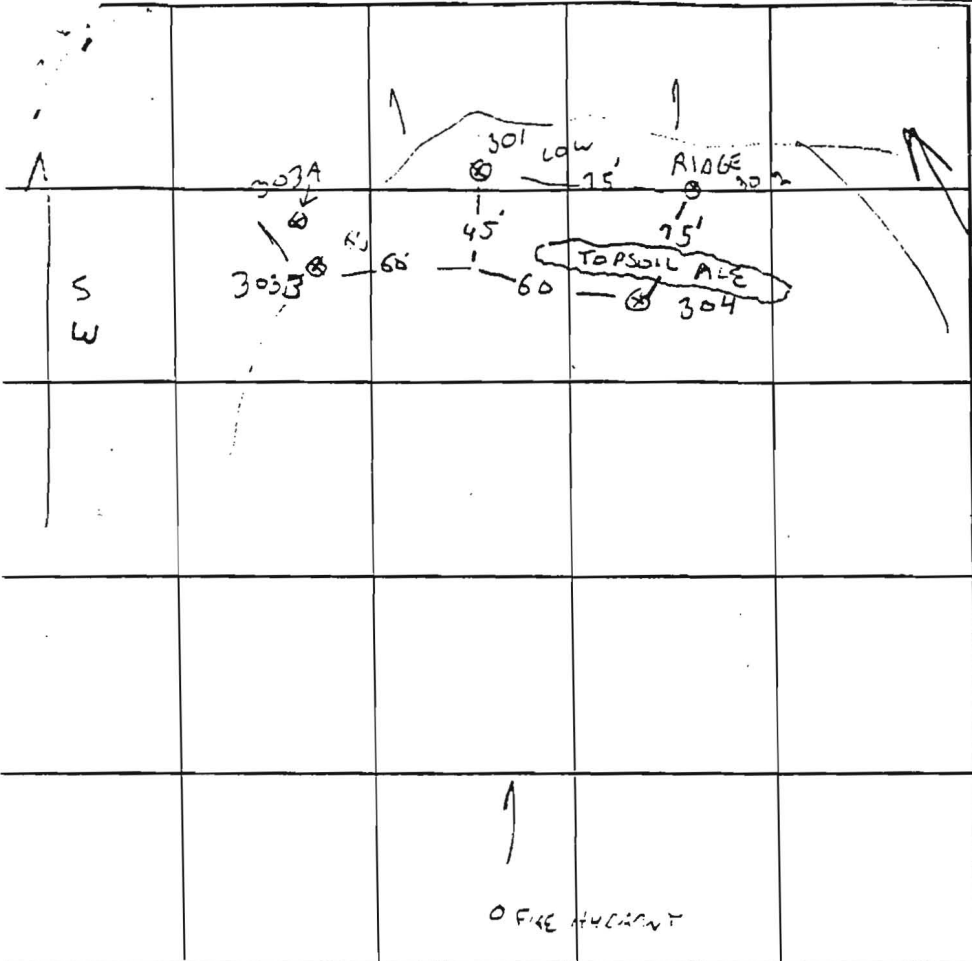


SOIL
3D
Top 30'

109D

ANT R E

UE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
MAIN SUBDIVISION ACCESS ROAD TO 144 →

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/25/99	301	2/10	1:44	1:45	→	1:47	2 MIN	
	302	6/10	1:52	1:55	→	1:58	3 MIN	
		2.5/10	1:54	1:55	→	1:57	2 MIN	
	303B	2/10	2:03	2:07	→	2:12	5 MIN	
	304	4/10	2:17	2:19	→	2:22	3 MIN ✓	
	303A	NOT TESTED, WATER AT ± 7' DEEP WAY INFLUENCED BY SOURCE						

CLAY-G-B
ON SURFACE
OF TRENCH

8.5 WATER

304
NO TOPSOIL
OR CLAY
ORANGE
TAN LAYERS
LOAM

4 TAN
LOAM

SAND BLACK
W/ECW OR
MOTTLES
± 7'

12 WATER

REMARKS 2-3 SOIL REMOVED PREVIOUSLY IN ENTIRE AREA

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT K+K EXCAVATING

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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