

# 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 \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

PROPERTY LOCATION:

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

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

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

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

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 \_\_\_\_\_

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

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

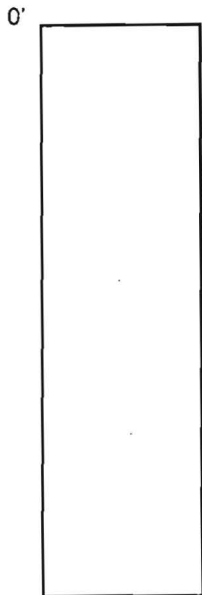
# THIS IS NOT A PERMIT



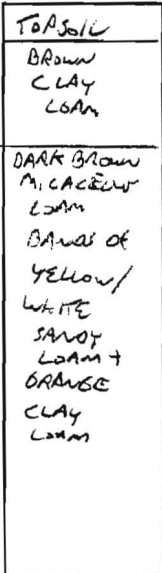
A57612  
COUNTY #

↑ N

SOIL PROFILE



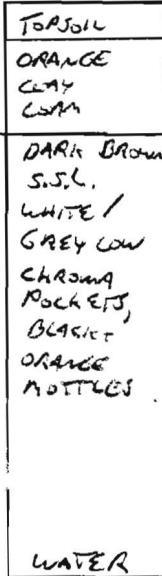
180



3'

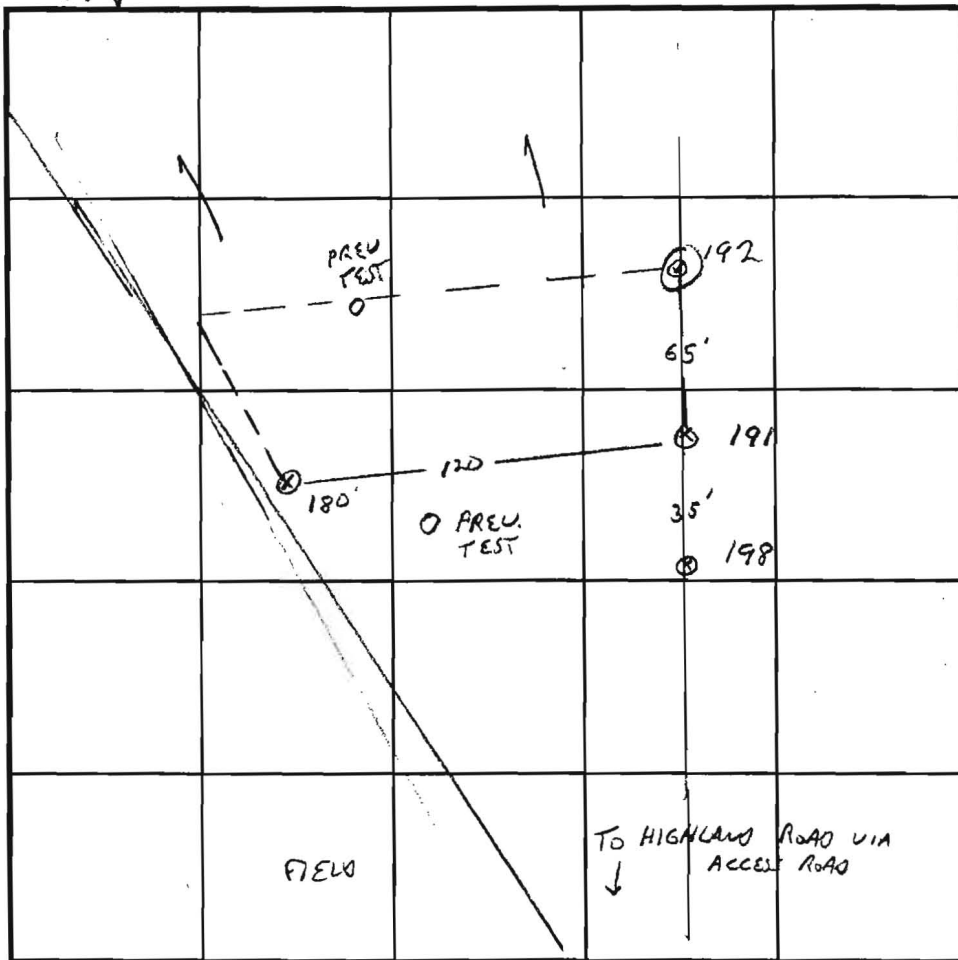
11

191



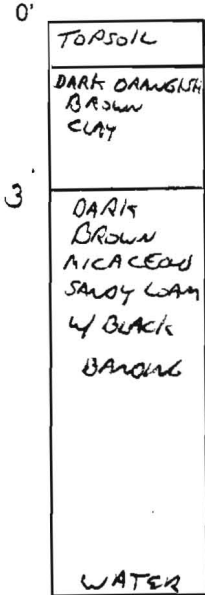
5

11



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE



192

8.5

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/2/97	180	3.5 / 11V					4 MIN
		8V OK					
X	192	3.5 / 9.5V					22 MIN
		8' QUESTIONABLE - WATER TABLE @ 8.5'					
X	191	2 / 11V					4 MIN
		6		WATER AT 11'			2 MIN
	198	11V		DRY AT 11		OK AT 3.5', 7'	

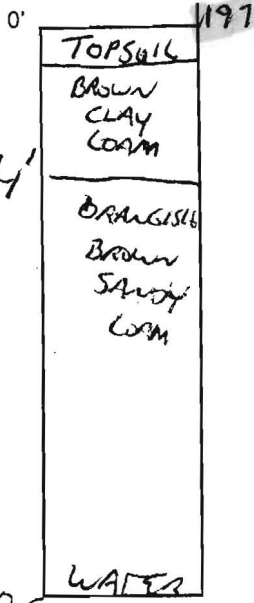
REMARKS LOT 19, SEE ALSO LOT 20, 18 WATER TABLE CONCERN, LOWER EDGE

TYPE OF SOIL \_\_\_\_\_  
 TESTED BY G. SAUCE ALSO PRESENT R. DEMIT, OWNER  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

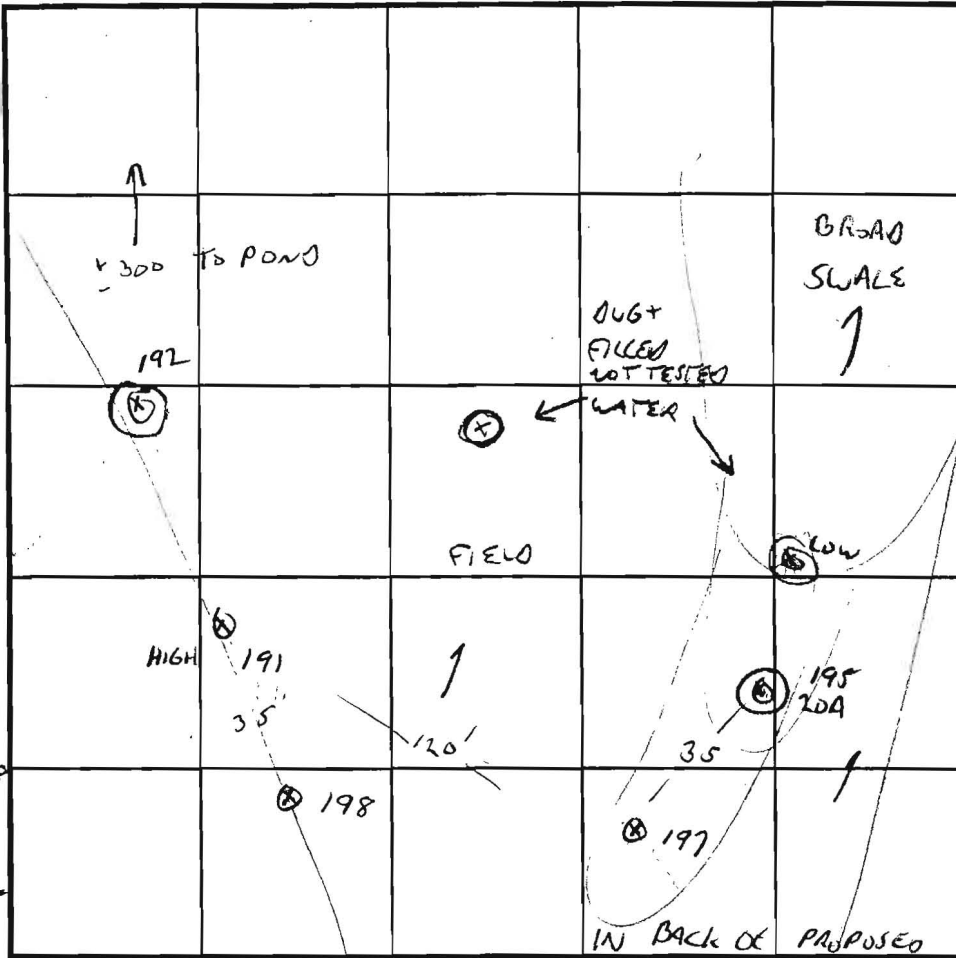
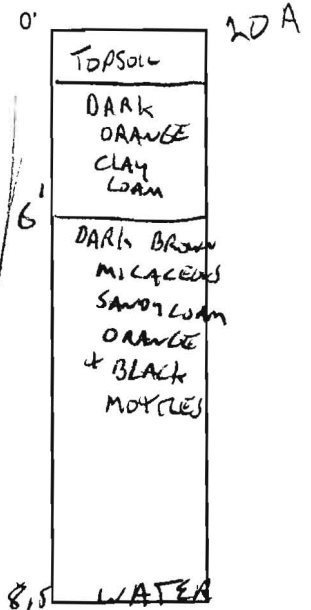
A57612

COUNTY #

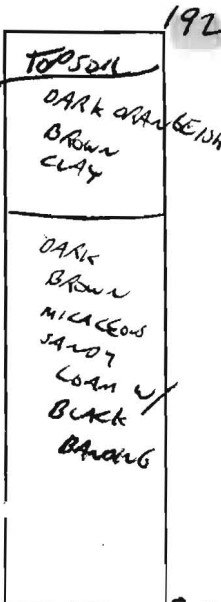
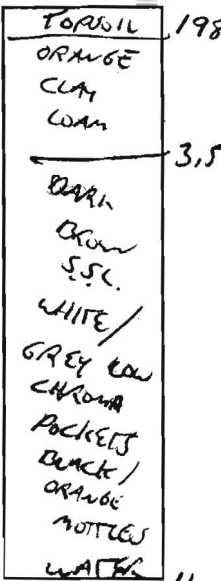
SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/2/97	195 20A	4 8.5	12:47	12:48	12:49	12:52	3 MIN
		8.5 WATER					
	191	2 / 11V	12:53	12:57	12:57	1:01	4 MIN
		6	12:53	12:54	12:54	12:56	2 MIN
	192	3.5 / 9.5V	12:57	1:02	1:02	1:24	22 MIN
		4	1:02	NO NOT USED	1:24	1:24	
		8. QUESTIONABLE WATER TABLE					
	197	5.5 / 16.5V	3:32	SLOW			
		SANDY CLAY TO WATER TABLE					
	198	DRY AT 11'					

REMARKS LOT 20 WATER TABLE CONCERN

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

TESTED BY G. SAVAGE ALSO PRESENT R. DEMIT, OWNER

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

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

Let # 2

Kooshah Garden Review 8/17/99 continued from 8/10/99

in 1999 Plan	on Jan 99 Plan	Test Date	Test #	Rate - Depth (Mpi) -	Visual Hole Depth	P/F	Remarks
25 DA10	23	1/2/99	168	7 @ 4'	12'	P	dry
			169	5 @ 3'	12'	P	"
			170	2 @ 7'	12'	P	"
			171 (190)	5 @ 3 1/2'	12'	P	"
			169A	9 @ 4'	12'	P	"
			169A	4 @ 3'	NA	P	"
<p>Remarke: Burnt Orange CL @ 5' OK @ 8' CL @ 5'</p> <p>OK @ 8' (No data assume same as 168/169)</p> <p>OK @ 8'</p>							
24 DA9	22	1/2/99	172	7 @ 3 1/2'	12'	P	dry
			173	8 @ 3'	12'	P	"
			174	3 @ 7'	12'	P	"
			174	4 @ 4'	11'	P	"
<p>Remarke: Brown CL @ 4' Typical (see 172) Typical (see 172)</p>							
23 DA8	21	1/2/99	175	18 @ 3 1/2'	12'	P	"
			176	12 @ 4'	11'	P	"
			196 (21A)	2 @ 2'	10'	?	water @ 10'
			24	2 @ 5'	10'	?	water @ 10'
			24A				
<p>Remarke: orange SCL @ 3' OK @ 8' NA OK @ 8' Brn CL @ 2', Brn SCL @ 4' Tan/gray/brn SL @ orange (4-10') ignored</p>							
22	20	1/2/99	195 (20A)	3 @ 4'	8 1/2'	F	water @ 8 1/2'
			196	2 @ 2'		F	water @ 10'
23			197	5 @ 5 1/2'	10 1/2'	F	water @ 10 1/2'
		1/2/99	198	No Test	11'		dry @ 11'
<p>Remarke: dark brn CL @ 6'</p> <p>only 35' from 191 @ water @ 11'</p>							
			23C				
			23B				
			23A				
		1/2/99	191 (High)	4 @ 2'	11'	F	water @ 11'
			192	2 @ 6'	8 1/2'	F	water @ 8 1/2'
				2 @ 3 1/2'			
				2 @ 4'			
<p>Remarke: orange CL @ 3 1/2' dark brn SSL; white/gray low chrome pebbles; blk/or 1/2" pebbles @ 8' questionable W.T. dark orange sandy @ 3' dark brn micst @ 3' black banking @ 3'</p> <p>2 lower holes (23B &amp; 23C) not tested, one at head of sink, lower hole</p> <p>dry &amp; filled - Not tested - water</p>							
21		7/6/99	22A	11 @ 2'	9 1/2'	F	water @ 9 1/2'
			22B				
			22B				
			22C				
<p>Remarke: natural water @ well @ 8 1/2' + low</p>							

Let 25  
OK as proposed

Let 24  
OK as proposed

water @ 10'

water @ 8 1/2'

water @ 10 1/2'

water @ 11'

water @ 8 1/2'

water @ 9 1/2'

Same?

what some locations as 23B & 23C

2 lower holes

not tested, one at head of sink, lower hole

Dry & Filled - Not tested - water

dark brn low micst @ 6'

**KOANDOAH GARDENS**  
**Phase I**  
**Septic Disposal Areas (SDA)**

**SDA 1 (11,700 sf)**

Test	Yr.	Depth	Minutes
11	4/93	36"	12
12	4/93	48"	11
13	4/93	54"	4
14	4/93	42"	22

Lot 17

**SDA 6 (10,230 sf)** Needs W.S. eval

Test	Yr.	Depth	Minutes
22D	7/99	42"	28 ✓
22B	7/99	39"	7 ✓
22C	7/99	38"	7 ✓
22A	7/99	40"	2.5 ✓

water @ 10' in July drought year - very dark soil @ 6' p

**SDA 2 (11,875 sf)**

Test	Yr.	Depth	Minutes
2	4/93	42"	4
17	4/93	62"	16
18	4/93	42"	9
178	1/97	8'6"	no test - water

**SDA 7 (10,440 sf)** Needs W.S. eval

Test	Yr.	Depth	Minutes
230	7/99	38"	57 min fail
23B	7/99	39"	45 Fail regular pre-test
23C	7/99	40"	11 ✓
195	1/97	48"	3
23A	water table @ 8 1/2 ft on 7/9/99 (drought year summer) fail @ 38 (37 mpi) + 44 (55 mpi)		

**SDA 3 (11,300 sf)**

Test	Yr.	Depth	Minutes
8	4/93	54"	6
7	4/93	48"	10
183	1/97	12'	no test - water
182	1/97	48"	7 (adj. area)

Lot 19

**SDA 8 (10,080 sf)** Needs W.S. eval

Test	Yr.	Depth	Minutes
24A	7/99	41"	14 ✓
24B	7/99	47"	2 ✓
196	1/97	24"	2
175	1/97	42"	18
176	1/97	43"	12
see 23A	water table @ 8 1/2' in July		

Lot 24

**SDA 4 (10,000 sf)**

Test	Yr.	Depth	Minutes
181	1/97	11'	no test
180	1/97	42"	4
6	4/93	42"	3

Lot 20

**SDA 9 (10,010 sf)**

Test	Yr.	Depth	Minutes
170	1/97	42"	5
171	1/97	48"	9
172	1/97	42"	7
173	1/97	36"	18
174	1/97	48"	11

**SDA 5 (10,000 sf)** Needs W.S. eval.

Test	Yr.	Depth	Minutes
21A	7/99	42"	5 ✓
21B	7/99	40"	2.9 ✓ (No clock time recorded)
A2D	7/99	33"	10
21C	7/99	38"	15.5 ✓
21D	7/99	39"	10 ✓
A2C	water level @ 8 ft on 7/9/99 (Summer drought year)		
A2E	-	42"	15 mpi

**SDA 10 (10,080 sf)**

Test	Yr.	Depth	Minutes
168	1/97	48"	7
169	1/97	36"	5
169A	1/97	36"	4

A511371

Koandah Gardens

COUNTY #

SOIL PROFILE

0'

Empty vertical box for soil profile notes on the left side.

Empty vertical box for soil profile notes in the middle.

Empty vertical box for soil profile notes on the bottom left.


SOIL P

0'

Empty vertical box for soil profile notes on the right side.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-8-99	22A	40"	12:05	12:06:30	12:06:30	12:09	2 1/2
7-8-99	22B	39"	12:12	12:15	12:15	12:22	7
7-8-99	22C	38"	12:23	12:28	12:28	12:35	7
7-8-99	22D	42"	12:32	12:41	12:41	1:09	28
7-8-99	23A <sub>a</sub>	38"	1:43	2:11	2:11	2:48	(37) Fail
7-8-99	23A <sub>b</sub>	44"	1:19	1:38	1:38	2:33	(55) Fail
7-8-99	23B	39"	1:00	1:28	1:28	2:13	(45) Fail
7-8-99	23C	40"	1:17	1:23	1:23	1:34	11
7-8-99	23D	38"	1:29	2:06	2:06	3:00	(54) Fail

REMARKS \_\_\_\_\_

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

TESTED BY \_\_\_\_\_

ALSO PRESENT \_\_\_\_\_

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

TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_

MAXIMUM BOTTOM DEPTH \_\_\_\_\_

SQ. FT./BEDROOM \_\_\_\_\_

LOT 23

#196

JAN 97 WATER @ 10' (MOTTLES 4-6 - DISCOUNTED BY THE JAN 97 READING)  
ABSOLUTE HIGH

195 PORED AT 4'

197 DIDNT PORE AT ALL

TO USE THE CONTOUR OF HOLE 196

LOT 22

ALL HOLES FAIL

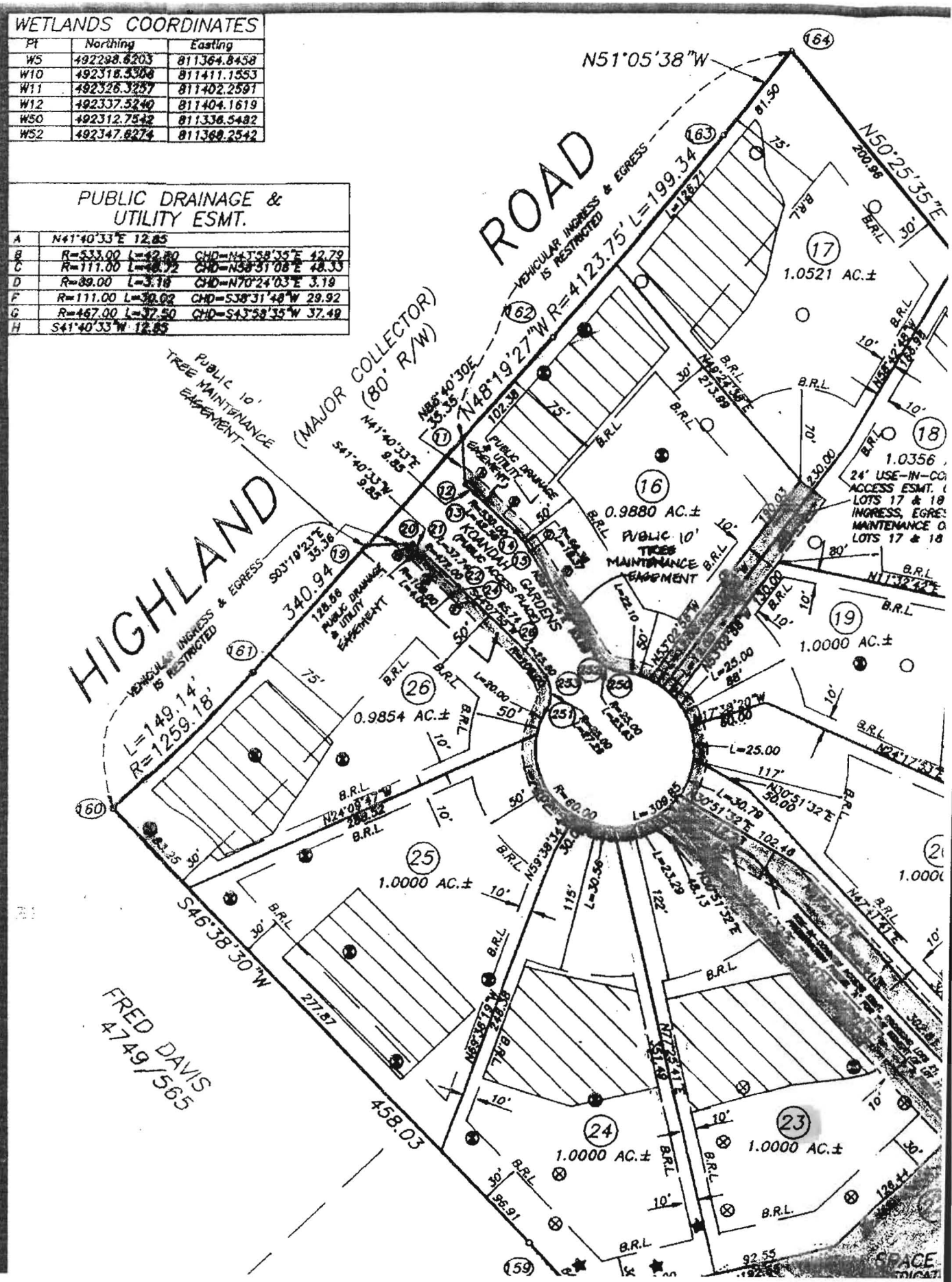
F02-07 All perc test holes  
Signed excavated not shown

WETLANDS COORDINATES

PT	Northing	Easting
WS	492298.6203	811364.8458
W10	492318.5308	811411.1553
W11	492326.3257	811402.2581
W12	492337.5240	811404.1619
WS0	492312.7542	811336.5482
WS2	492347.8274	811368.2542

PUBLIC DRAINAGE & UTILITY ESMT.

A	N41°40'33"E 12.85		
B	R=533.00 L=42.80	CHD=N41°38'35"E 42.79	
C	R=111.00 L=48.72	CHD=N38°31'08"E 48.33	
D	R=89.00 L=3.18	CHD=N70°24'03"E 3.18	
F	R=111.00 L=39.02	CHD=S38°31'48"W 29.92	
G	R=467.00 L=37.50	CHD=S43°58'35"W 37.49	
H	S41°40'33"W 12.85		



HIGHLAND ROAD

ROAD

FRED DAVIS  
4749/565

SPACE

4/28/93

# APPLICATION

## PERCOLATION TESTING

57612

A 49120

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 4/7/93

12/23/96

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 James M Sanborn

ADDRESS 4967 Ten Oaks Rd Dayton MD 21056 PHONE 410 531 5444

AGENT OR PROSPECTIVE BUYER Development Consultants Jeff Lawrence

ADDRESS \_\_\_\_\_ PHONE 301 924 4570

### PROPERTY LOCATION:

SUBDIVISION Koondak Gardens Estates LOT NO. 19

ROAD AND DESCRIPTION Highland Rd/Est of Mann Way

TAX MAP 34 PARCEL # 373

SIZE OF LOT 1.8 acs 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.

James M Sanborn  
(SIGNATURE OF APPLICANT)

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

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

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

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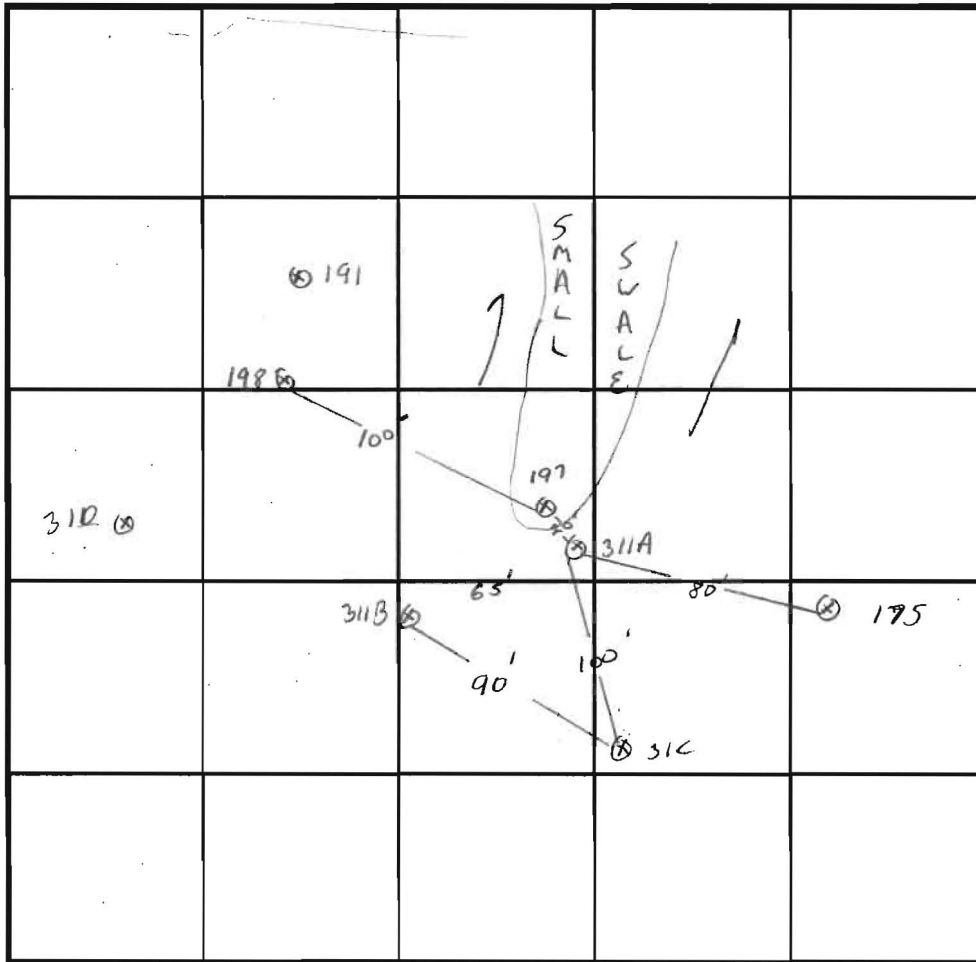
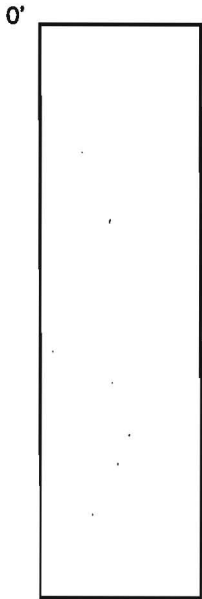
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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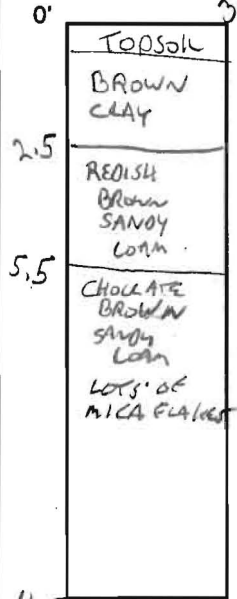
A52612

COUNTY #

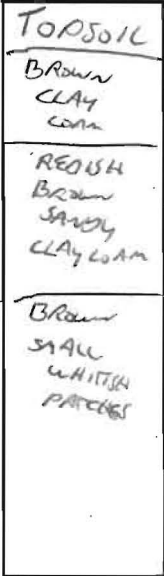
SOIL PROFILE



SOIL PROFILE

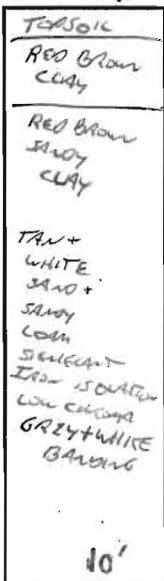


311B, C



10.5

311D



10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/11/97	311A	3.5 / 11.5	1:51	1:54	1:54	2:00	6 MIN
	311B	3.5 / 10.5	2:57	3:00	3:00	3:07	7 MIN
	311C	3.5 / 11	3:03	3:08	3:08	3:15	7 MIN
	311D	3.5 / 10	3:05	3:17	3:17	3:39	22 MIN

REMARKS LOT 19 SHALLOW SYSTEM

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

TESTED BY G. SAVAGE ALSO PRESENT FERR, ALLEN, SANBORN

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

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

# APPLICATION

*Sandstone M/W System*

M/W	10	9	8	(7)	(4)	5 (13)	6
water @	7'10"	9'2"	9'7"	7'6"	7'2"	1'4"	15' P" Total Depth
Sticks	10'	8"	1'5"	1'6"	7"	1'0"	Day (14")
water level B6	7'0"	8'6"	8'2"	6'0"	6'9"	19'6"	14'6" B6 Day

PERCOLATION TESTING

A \_\_\_\_\_  
P \_\_\_\_\_

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

M/W 1	2	3
water @ 6'3"	6'5"	6'8" TD (Avg)
Sticks 1'0"	1'1"	12" High Side
WLB 5'3"	5'4"	5'8"

DISTRICT \_\_\_\_\_  
DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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

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

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

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

PROPERTY LOCATION:

SUBDIVISION Roundish Gardens B6 22+23 LOT NO. \_\_\_\_\_

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

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

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

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(SIGNATURE OF APPLICANT)

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# THIS IS NOT A PERMIT

Coandah Gardens lot 22 + 23

COUNTY #

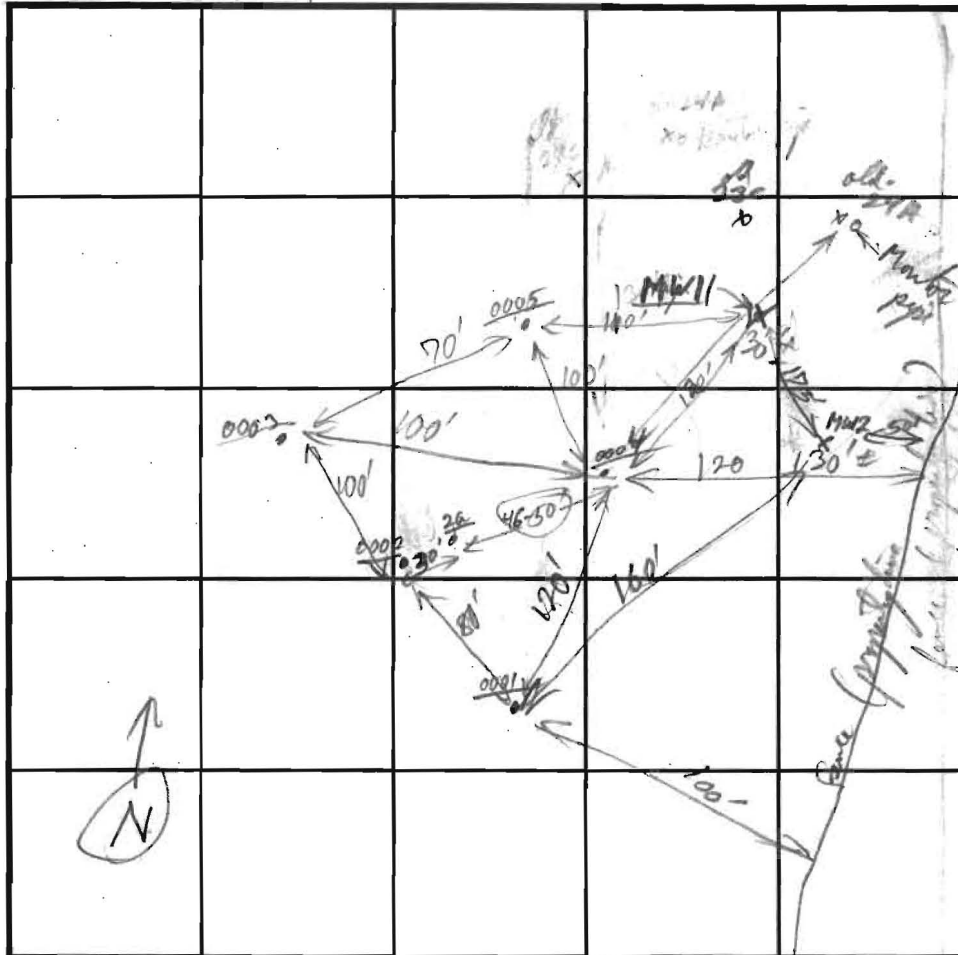
SOIL PROFILE

0' 0003, 0001  
 str Brn  
 - Red Brn  
 23' 1/2 CL  
 Red SL  
 3 3/4  
 Micoln  
 SL sandlite  
 (Massie)  
 6-7'  
 Neutral Brn  
 Micro SL  
 12'

depth 15' 5" per hole  
 top of 0002

44'  
 Red CL  
 Neutral Brn  
 Micro SL  
 12'

8'  
 0004  
 Southern L. Topsoil  
 Red CL  
 ↓  
 h Red loam  
 5 1/2  
 Neutral Brn  
 h SL  
 6 1/2



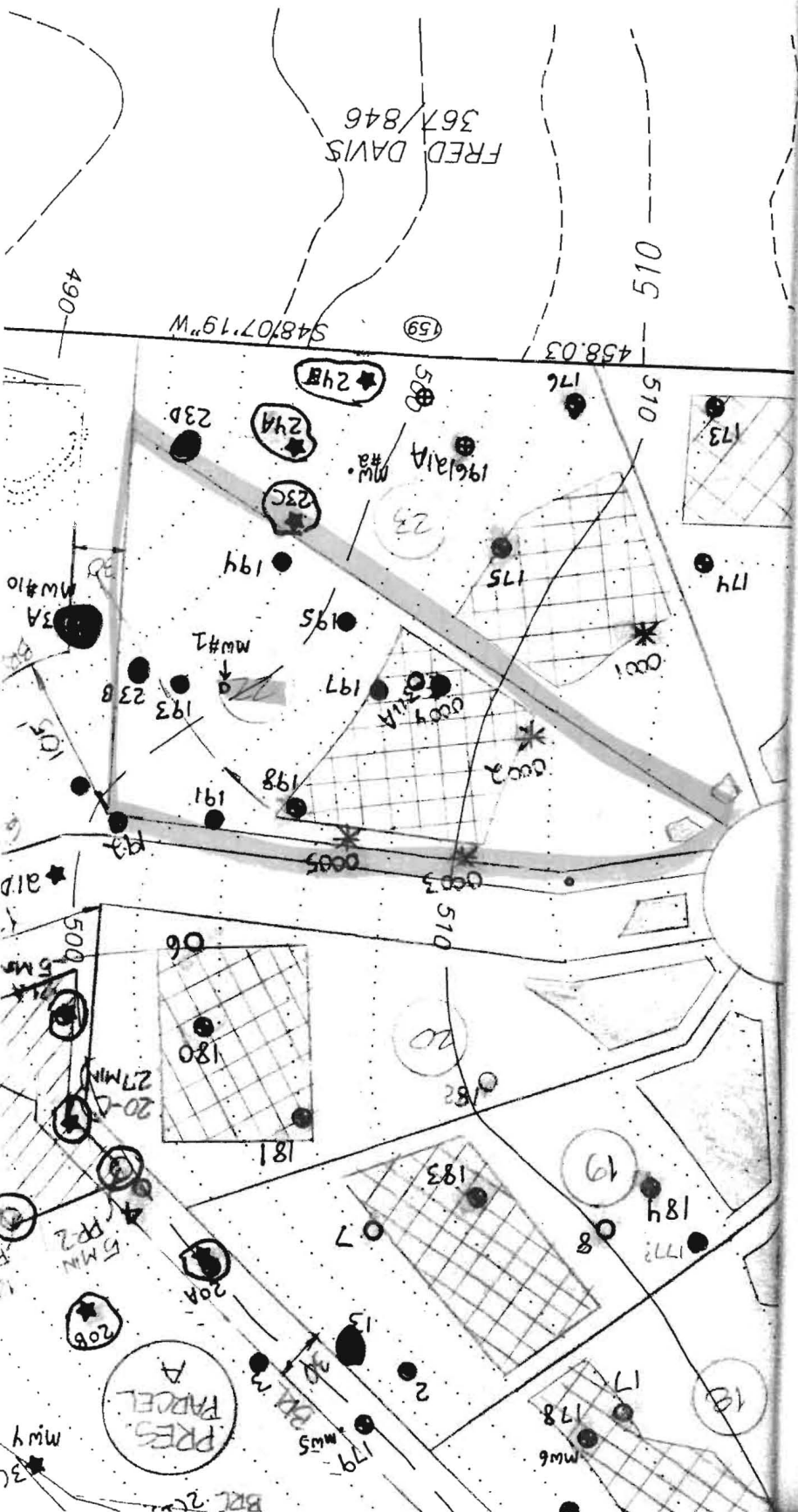
Highland Rd INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' M112  
 Topsoil  
 Red Brn - Red  
 CL  
 4 1/2  
 yel Red + reddish  
 yel  
 SIL v. dense  
 mag. Old Mn. Sparrow  
 8 1/2  
 at Transition  
 Jack Brn  
 Micro loam  
 2 c/s 1 All nodules  
 Mn. Oxide in  
 gray Jack Brn  
 Neutral Red Brn  
 damp - wet  
 ESC (Mass)  
 13' 4"  
 water occupies cavity  
 at Bottom, and in  
 (wet sidewall @ 12')

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/7/00	0001	1/2' 3'	12:09:00	12:13:00	12:13	12:22:00	9 min	
	0002	1/2' 3'	12:15:00	12:32:30	12:32:30	1:12:00	40 min	
	0002a	1/2' 5'	12:38:30	12:44:00	12:44:30	12:51:00	7 min	
	0003	1/2' 3'	12:20:00	12:34:30	12:34:30	pulled @ 12:58 only 1/2" drop in 20 min	Fail	
	0003a	5 1/2'	1:10:30	1:25:00	1:25:00	1:46:00	21 min	
	0004	4 1/2'	1:23:00	pulled @ 2:32	No Menant		Fail	
	0004	6'	1:40:00	1:56:00	1:56:00	2:36	40 min	
	0005	4' 4"	3:04:00	3:14:00	3:14:00	3:28:00	14 min	
	M112	13' 4"	water @ 13' (wet sidewall @ 12') (see profile)					

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY R.P. Purdy ALSO PRESENT Jeff Allen  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



*Signed Per Ct  
7/11/00*

Coandah Condens lot 22 + 23

COUNTY #

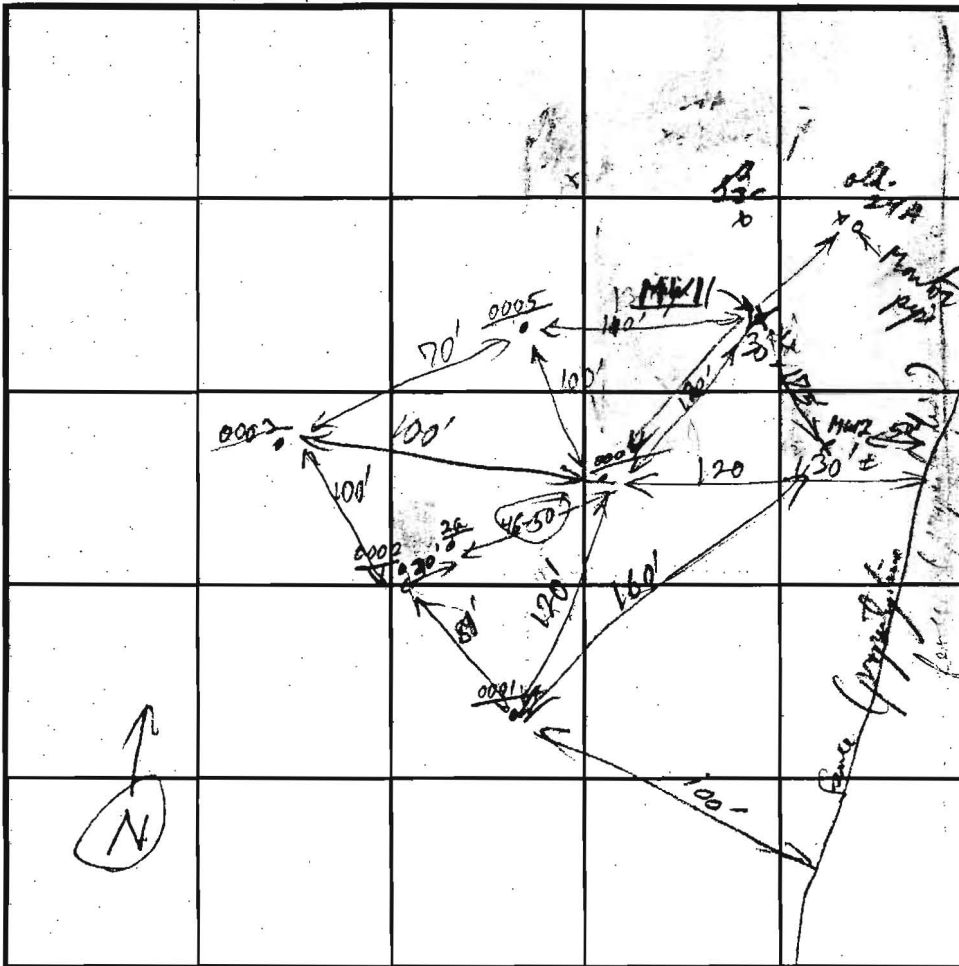
SOIL PROFILE

0' 0003, 0001  
str brn  
- Red brn  
CL  
2 3/4'  
Red SL  
3 3/4'  
Mixer color  
SL Spandite  
(Chassis)  
6 7'  
Neutral brn  
Micro SL  
12'

profile 15' 5" punch hole  
0002

4 1/4'  
Red CL  
Neutral brn  
Micro SL  
12'

0004  
dark brn L Spandite  
Red CL  
↓  
in Red loam  
5 1/2'  
Neutral brn  
h SL  
6 1/2'



SOIL PROFILE

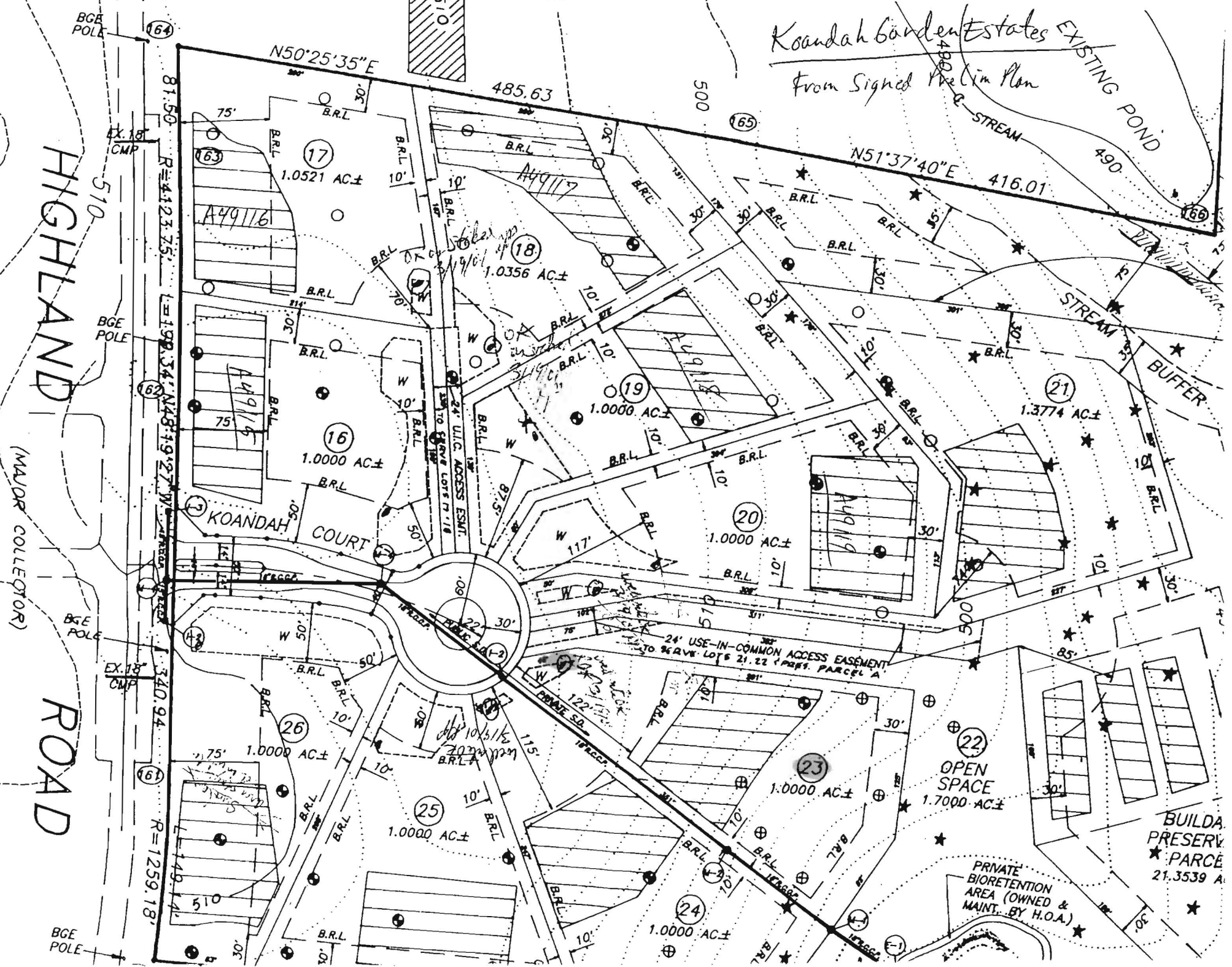
0' M12  
6' Topsoil  
Red brn - Red  
CL  
4 1/4'  
yel Red + Red brn  
yel  
SL v. change  
8 1/2'  
mgd old M n. Spandite + some  
at transition  
dark brn  
thin loam  
c 2" old bottles  
thin brn  
greyish brn  
mud colored brn  
damp - wet  
ESL (M20) Spandite  
13 1/4"  
water seep out coming  
at bottom  
(wet inside @ 12'  
x holes 002, 003  
= 14  
210 BR  
In 4' Bot 6

Highland Rd INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/7/00	0001	1/2' 3'	12:09:00	12:13:00	12:13	12:22:01	9 min
	0002	1/2' 3'	12:15:00	12:32:30	12:32:30	1:12:00	40 min
	0002a	5'	12:38:30	12:44:00	12:44	12:51:00	7 min
	0003	1/2' 3'	12:20:00	12:34:30	12:34:30	pulled @ 12:55 only 1/4" drop in 26 min	F @ 3'
	0003a	5 1/2'	1:10:30	1:25:00	1:25:00	1:46:00	21 min
	0004	4 1/2'	1:23:00	pulled @ 2:32	No Moist		Fail
	0004	in Red brn h Loam begin Sander Loam @ 5 1/2' - 6'	1:40:00	1:56:00	1:56:00	2:36	40 min
	0005	1/4' 4'	3:04:00	3:14:00	3:14:00	3:28:00	14 min
	Monitor pipe 11	1/3' 4" casing + water		12' quickly			
	M12	1/3' 4" water @ 13'		(wet inside @ 12')			(see profile)

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY P. P. [Signature] ALSO PRESENT [Signature]  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

Koandah Gardens Estates EXISTING POND  
From Signed Prelim Plan



HIGHLAND ROAD

(MAJOR COLLECTOR)

ROAD

81.50  
R=4123.75  
1.198.34  
N48°19'27"W  
340.94  
R=1259.18'

N50°25'35"E

N51°37'40"E

BGE POLE

EX. 18 CMP

BGE POLE

BGE POLE

BGE POLE

164

163

162

161

17

16

26

25

18

19

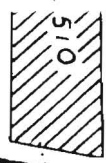
24

20

23

22

21



485.63

500

65

66

490

490

1.3774 AC±

1.0000 AC±

1.0000 AC±

1.0000 AC±

1.0000 AC±

1.0000 AC±

1.0000 AC±

1.7000 AC±

21.3539 AC±

