

LAYOUT 7/16/03 1830 INSP 4 9/10/03 10am  
 INSP 2 7/17/03 3pm INSP 5 10am 9/10  
 INSP 3 7/18/03 2:30pm INSP 6 \_\_\_\_\_

ISSUE DATE: 6/6/2003

APPROVAL DATE: 9/10/03

**PERMIT**  
**INDEXED**

P 518996

A 511445-B

**ON-SITE SEWAGE DISPOSAL SYSTEM**  
**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**  
03-335143

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obrecht Rd, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: The Estates @ Sandhill LOT NUMBER: 74

ADDRESS: 12016 Margaret Court PROPERTY OWNER: Oakhill Properties, LLC

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest area of SDA at time of layout.
NOTES:	Maintain 9' edge to edge trench separation

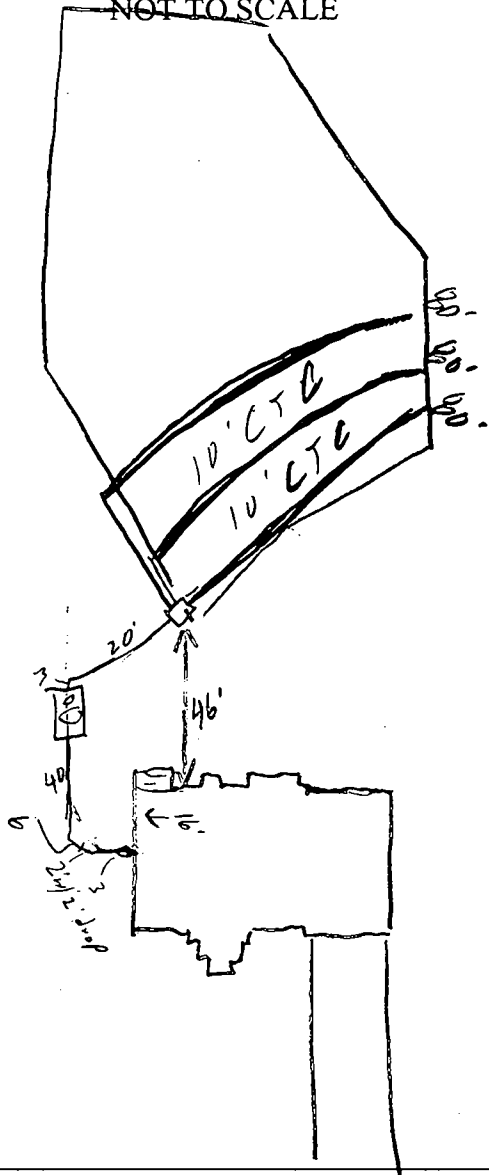
PLANS APPROVED: John A. Boris DATE: 4/21/03

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A511445-B

NOT TO SCALE



Margaret Ct

ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 $\pi$
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5'
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	<input type="checkbox"/>
SEPTIC TANK 2 LEVEL	<input type="checkbox"/>
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	<input type="checkbox"/>

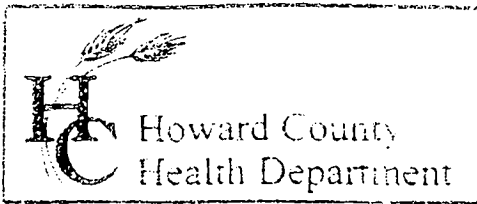
PRE-CONSTRUCTION 7/16/03 SRA staked, constant accurate House conn & invert unknown - Install (3) 80' trench if 3' invert can be made (SC)

INSTALLATION 7/17/03 - Was able to make invert w/ gravity. DK to cover all work, Needs house conn. (SC)

7/18/03 No additional work (SC) 9/10/03 House conn. made (SC)

FINAL INSPECTOR *[Signature]*

DATE OF APPROVAL 9/10/03



Att n Tom  
Huskins

3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

October 10, 2003

Oakhill Properties  
107 Loudoun St., SE  
Leesburg, VA 20175

RE: 12016 Margaret Court  
The Estates at Sand Hill, Lot 74  
Public Water

Dear Sir:

B/P 00 141088 *[Signature]*

This is to advise you that the septic system for the referenced property was installed and inspected. Final approval was granted on September 10, 2003.

By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

Approving Authority

*Mark E. Rifkin*  
Registered Sanitarian  
Water and Sewerage Program

MR

cc: Building Inspector's Office  
File

# MARGARET COURT

(40' RIGHT OF WAY)

S 87°58'32" E  
52.67'

122.0'  
40.2'

10' BRL

50' BRL

10' BRL

122.0'

40.2'

22.8'

14.0'

15.4'

14.4'

38.5'

22.4'

12.8'

19.2'

10.4'

38.4'

40.2'

10' BRL

85' BBA LINE

N 02° 01' 28" E 363.97'

(SHOWN AS 364.06' ON RECORD PLAT)

10' BRL

S 02° 01' 28" W 349.34'

10' BRL

125.92'

N 68° 01' 01" W

30' BRL

1.07 Ac. ±

SEPTIC AREA

CONCRETE FOUNDATION

85' BBA LINE

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

LOT 75

LOT 73

## LOT 74

1.07 Ac. ±

### LOT 74

## THE ESTATES AT SAND HILL

Preservation Parcel "B"

TOP OF WALL ELEV. = 595.5' ± 0.2'

F.F. ELEV. =

ADDRESS: 12016 MARGARET COURT

PLAT No. 14585

ELECTION DISTRICT No. 3

HOWARD COUNTY, MARYLAND

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

# MILDENBERG BOENDER, & ASSOC., INC.

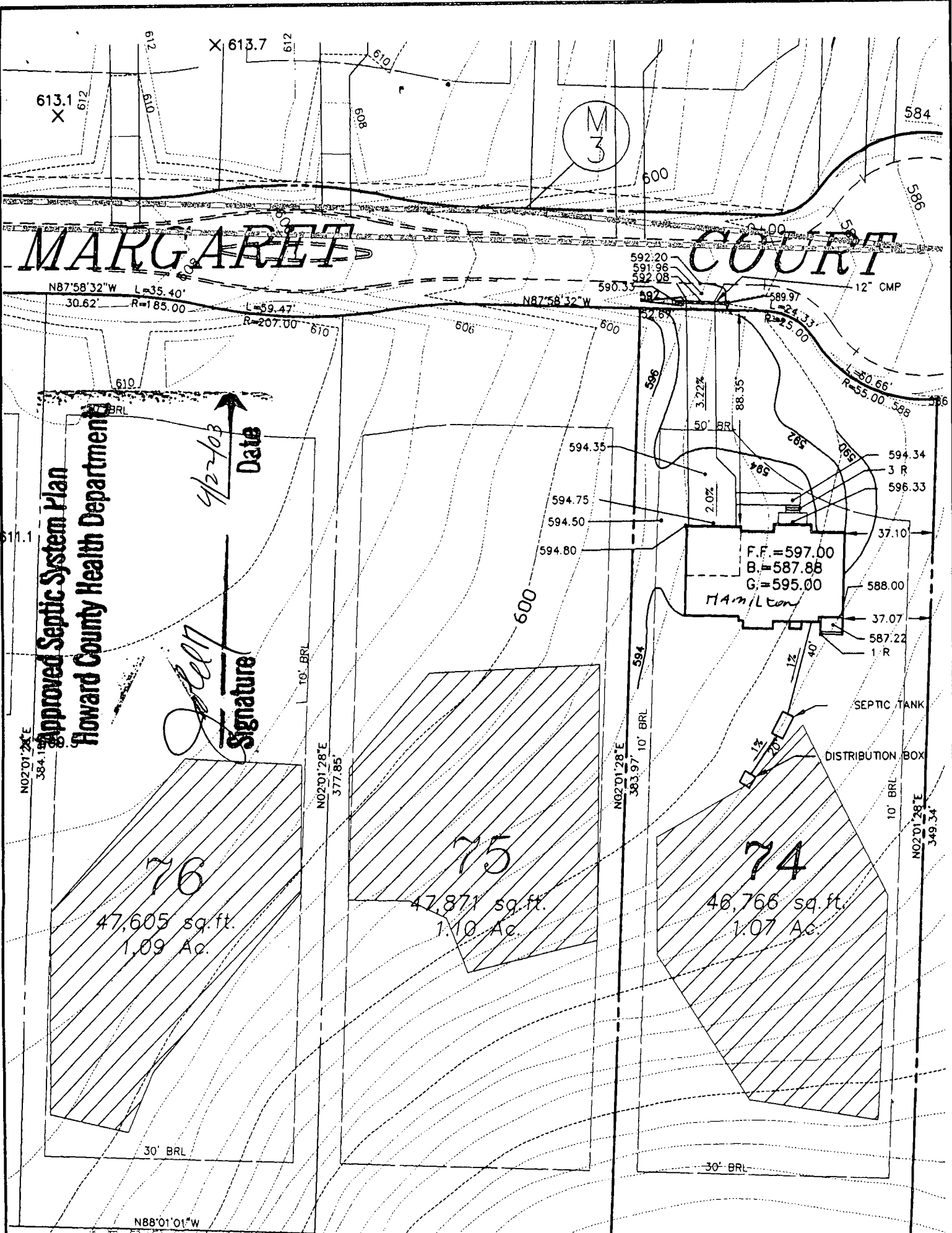
Engineers Planners Surveyors  
6078 Dersey Hall Drive, Suite 802, Ellicott City, Maryland 21042  
(410) 997-0898 Ball. (801) 681-6681 Wash. (410) 997-0898 Fax.



5/30/03  
checked  
O.K.  
house lowered  
by a foot  
Driv elevation  
must remain

FOUNDATION	DATE: 05/27/03	FINAL	DATE:
DRAWN BY: T. HILL	SCALE: 1" = 50'		
PROJECT NO.: 2000-074	LOCATION DRAWING		

JOHN MILDENBERG  
PROF. LAND SURVEYOR  
MARYLAND No. 10718

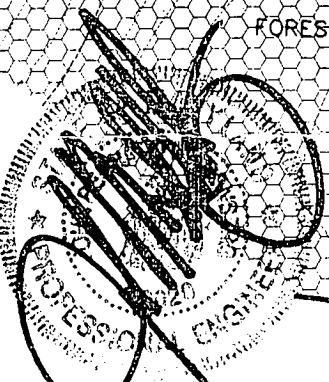


Approved Septic System Plan  
 Howard County Health Department

4/22/03  
 Date

*[Signature]*  
 Signature

- FIRST FLOOR EL. = 597.00
- INV. OUT OF HOUSE = 585.88
- INV. INTO SEPTIC TANK = 585.48
- INV. OUT OF SEPTIC TANK = 585.23
- EL. OF SEPTIC TANK = 588.00
- INV. @ DIST. BOX = 585.03
- EL. @ DIST. BOX = 588.00



G.P. # 02-14  
 PLAT # 14580-14585

**THE ESTATES AT SAND HILL**  
 PLOT PLAN LOT # 74  
 12016 MARGARET COURT

**MILDENBERG,  
 BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors

ELECTION DISTRICT: 3	TAX MAP 16	HOWARD COUNTY, MARYLAND
DRAWN BY MLS	SCALE 1" = 50'	DATE: MARCH 31, 03

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax

# APPLICATION

PERCOLATION TESTING

A 511435

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 2/24/99

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 R. Jeanette Miller, Trustee; Clyse Day Pendleton, Et Al

ADDRESS 14965 Frederick Road, Woodbine, MD 21797 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Oak Hill Properties, LLC; Attn: Mr. Kevin Rogers

ADDRESS 107 Loudoun Street, SE, Leesburg, VA. 20175 PHONE 703 443 0400

PROPERTY LOCATION:

SUBDIVISION Sand Hill Property LOT NO. 1 though 78

ROAD AND DESCRIPTION East side intersection of Sand Hill Road and Mt. View Road

TAX MAP 16 PARCEL # 3

SIZE OF LOT 40,000 to 60,000 S.F. TYPE BLDG. Single Family Dwelling  
(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.

Oak Hill Properties, LLC

Kevin B. Rogers  
(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

COUNTY #

SOIL PROFILE

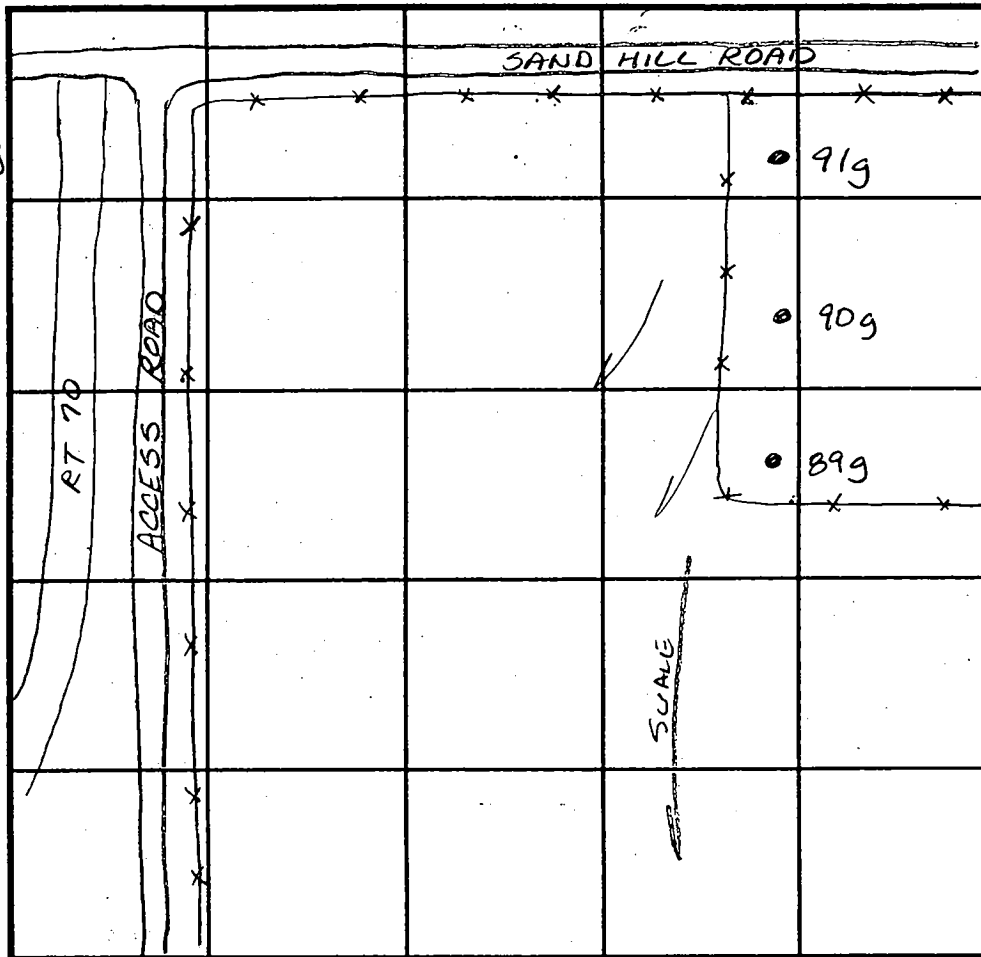
89g

dark  
red  
orange  
siltm

---

orange  
brown  
micaceous  
salm  
15-20%  
saprolite

90g



SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

91g

horizontal  
bedded  
saprolite  
30%  
through-  
out  
micaceous  
dark  
orange  
brown  
salm  
pockets  
decayed  
feldspar

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-5-99	90g	2.5 √12.0	2:03	2:06	2:06	2:08	2min
	91g	3.5 √12.0	2:05	2:07	2:07	2:10	3min
	89g	Visual	to 12.0 - see profile		—		OK
	91g	Visual	to 12.0 - see profile		—		OK

REMARKS shallow only

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

TESTED BY Amy McMillen

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

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

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

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

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

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

COUNTY #

SOIL PROFILE  
88d-89a

bright red  
SiClM

red brown  
SaM  
micaceous  
10-15%  
saprotite

87d-83c

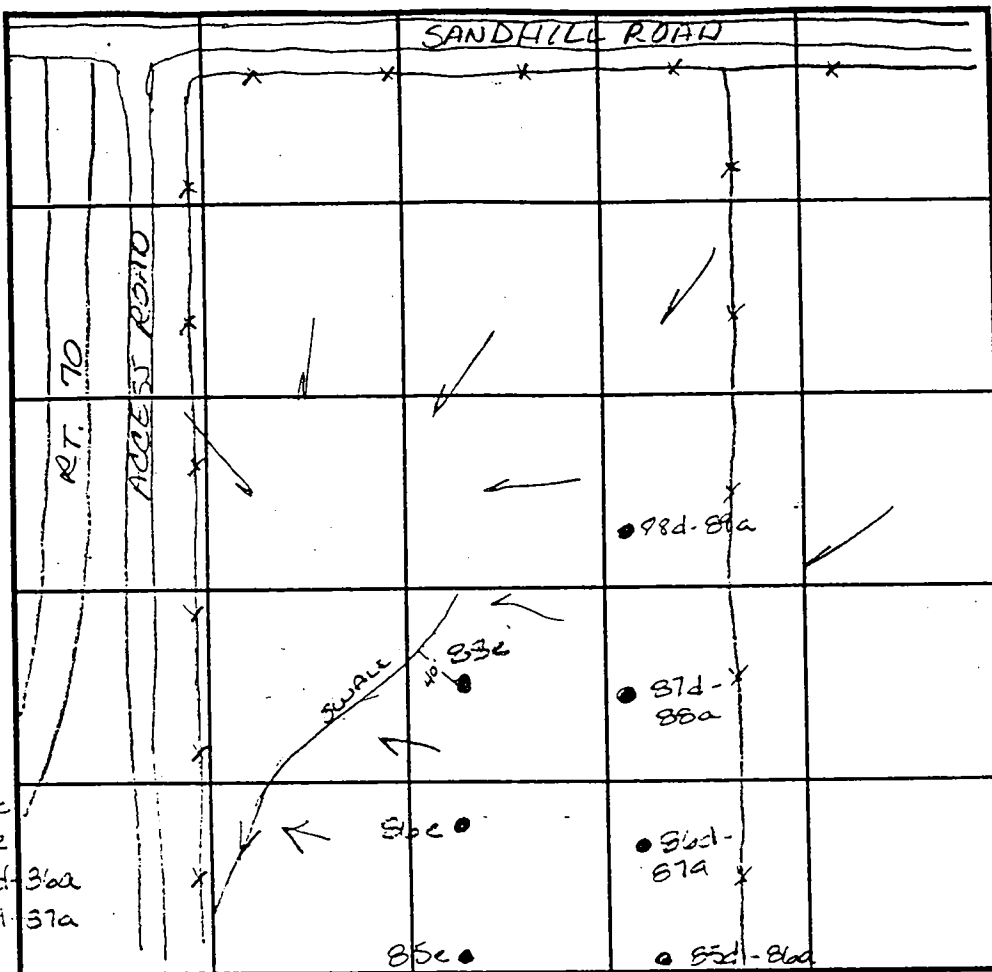
like  
83d-84a

83c  
85e  
85d-86a  
86d-87a

86e

bright orange  
SiClM  
orange  
SiM

whited  
SaM  
decayed  
feldspar  
20%  
micaceous



SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-5-99	88d-89a	3.5 V12.0	1:24	1:26	1:26	1:23	2min
	87d-83c	Visual	to 12.0	- see	profile	—	OK
	83c	3.0 V12.0	1:31	1:32	1:32	1:33	1min
	86c	3.0 V12.0	1:38	1:39	1:39	1:41	2min
	85c	3.0 V12.0	1:43	1:44	1:44	1:46	2min
	85d-86a	Visual	to 12.0	- see	profile	—	OK
	86d-87a	4.0 V12.0	1:49	1:50	1:50	1:52	2min
		7.5 V12.0	1:47	1:49	1:49	1:52	3min

REMARKS \_\_\_\_\_

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

TESTED BY Amy McMillen ALSO PRESENT \_\_\_\_\_

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

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

TYF F.00.02

Approved 2/2/00

(MINOR) CL

N 00°26'54" W

352.74'

DL=640'

EX 12" W (Cont. # 44-3479)

DR=670'

N 73°40'05" W

S 61°25'

S 73°25'

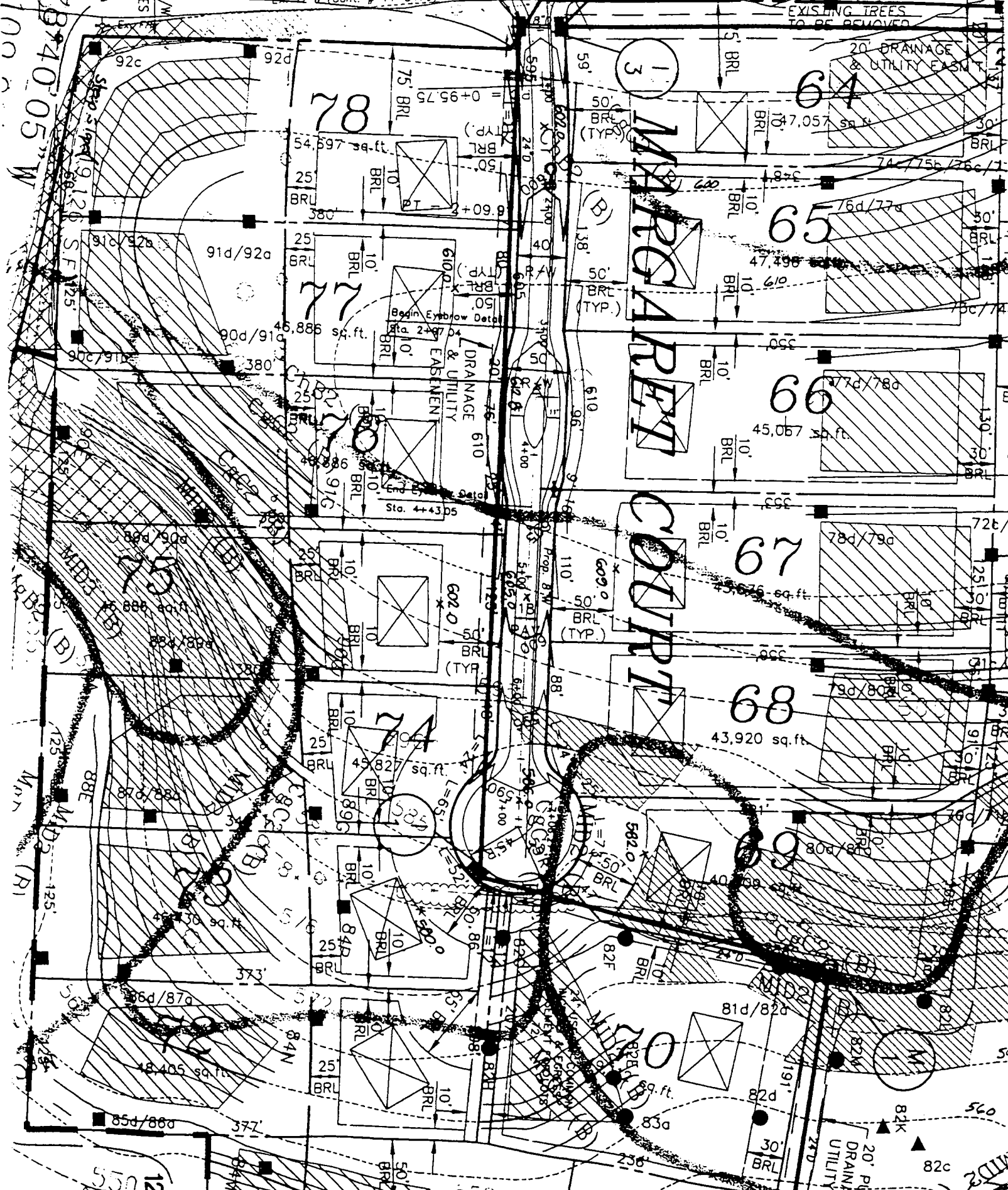
S 73°25'

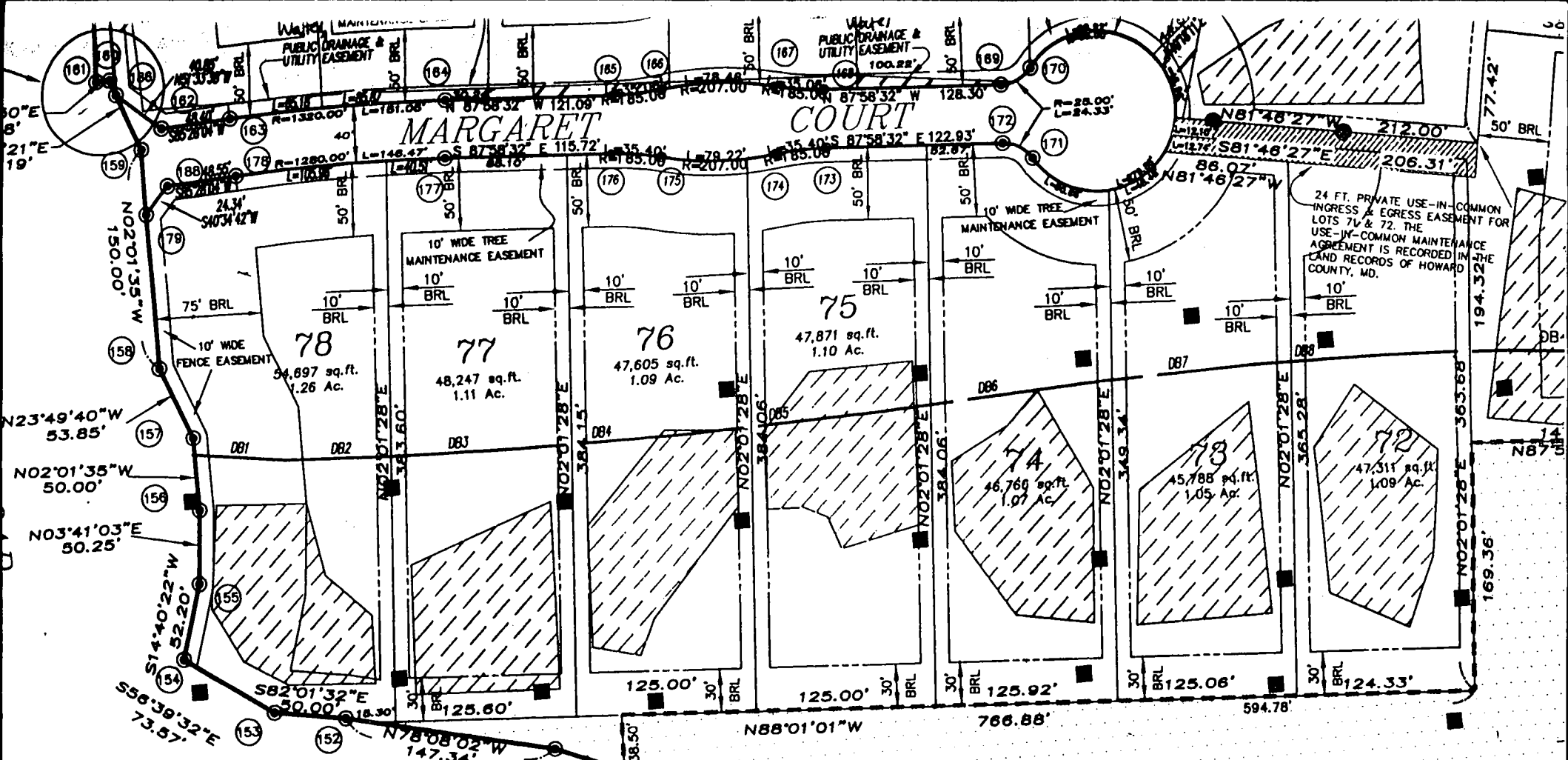
S 73°25'

S 73°25'

S 73°25'

S 73°25'





PT#	NORTH	EAST
20	598122.11	1333776.11
21	598175.23	1333357.99
22	598185.40	1333227.79
23	598161.74	1333225.94
24	598180.41	1332986.90
25	598214.40	1332818.78
26	598233.15	1332288.32
27	598225.40	1331985.64
126	597202.82	1333714.09
147	597224.02	1333626.21
148	597293.38	1333131.04
149	597297.35	1333030.62
150	597380.59	1332436.42
151	597436.07	1332292.73
152	597466.36	1332148.54
153	597473.30	1332099.02
154	597513.74	1332037.56
155	597564.24	1332050.78
156	597614.38	1332054.01
157	597664.35	1332052.24
158	597713.61	1332030.49
159	597863.52	1332025.18
160	597912.92	1332002.92
161	597912.46	1331993.65
162	597877.15	1332039.59
163	597880.98	1332067.84
164	597884.28	1332238.77
165	597880.17	1332355.13
166	597882.22	1332389.89
167	597879.49	1332468.02

FP#	Distance	Bearing
FP1	39.36	N2702'16"E
FP2	41.00	S58'52'45"W
FP3	49.00	S10'43'19"W
FP4	141.38	S22'50'43"W
FP5	67.31	S43'24'25"W
FP6	137.83	S01'19'36"W
FP7	46.50	N50'02'00"E
FP8	82.53	S13'29'28"E
FP9	65.05	S54'43'49"W
FP10	81.82	S15'05'02"W
FP11	74.82	S03'51'48"W
FP12	118.22	S20'48'28"W
FP13	29.82	S60'45'54"W
FP14	212.99	N82'01'32"W
FP15	51.71	N08'52'09"E
FP16	80.89	N36'23'23"E
FP17	48.89	S44'74'27"W
FP18	41.59	S120'45'0"W

SB#	Distance	Bearing
SB1	37.82	N10'21'43"E
SB2	27.98	N39'78'34"E
SB3	122.45	N25'37'34"E
SB4	26.52	N51'75'16"E
SB5	148.71	N08'40'13"E
SB6	54.57	N85'08'49"E
SB7	55.45	S47'50'09"E
SB8	14.17	S80'39'13"E
SB10	28.04	S05'15'27"E
SB11	91.37	N89'08'32"E
SB12	93.22	N27'24'33"W
SB13	36.27	N41'39'14"E
SB14	58.93	N03'22'08"E
SB15	68.63	N12'38'16"E

W#	Distance	Bearing	W#	Distance	Bearing
W1	33.69	S65'17'17"W	W20	82.71	S01'50'40"W
W2	146.09	S11'20'13"W	W21	64.58	S81'57'33"W
W3	150.20	S31'00'07"W	W22	75.47	S25'27'52"W
W4	47.28	S52'24'07"W	W23	16.68	N77'22'03"W
W5	148.47	S03'22'30"E	W24	104.64	N23'23'30"E
W6	41.97	S86'39'15"W	W25	98.15	N41'46'51"W
W7	65.78	S08'51'13"E	W26	132.58	N43'57'45"W
WR	86.90	S77'10'10"E	W27	90.37	N48'02'38"E

Line	Length	Bearing
DB1	65.54	N83'77'19"W
DB2	78.45	N88'22'48"W
DB3	85.25	N89'46'50"W
DB4	113.86	S86'41'11"W
DB5	133.75	S87'01'58"W
DB6	158.44	S85'46'04"W
DB7	106.13	S87'23'08"W
DB8	75.84	S89'29'12"W

FROM	TO
163	165
169	170
170	171

F.00.137  
12.11.00

I-70  
(PRINCIPAL ART)

33.4101 Ac.