

# APPLICATION

PERCOLATION TESTING

A 59887B

P \_\_\_\_\_

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

*Existing House  
(Bricker's House)*

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

*1305*

*FAILED  
CONVENTIONAL  
PERCS*

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 Tandy N. Dillon

ADDRESS 13197 Highland Rd PHONE 301 854 7836

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

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

PROPERTY LOCATION:

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

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

TAX MAP 34 PARCEL # \_\_\_\_\_

SIZE OF LOT ~~2.02~~ 2.02 Ac (2.02) 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. Tandy N. Dillon  
(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 \_\_\_\_\_

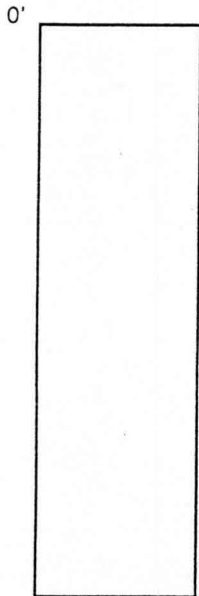
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

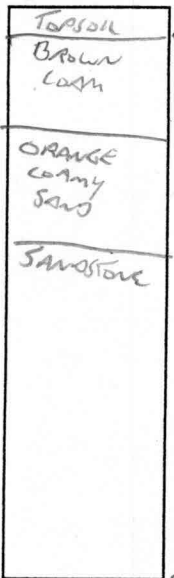
59887B

COUNTY #

SOIL PROFILE

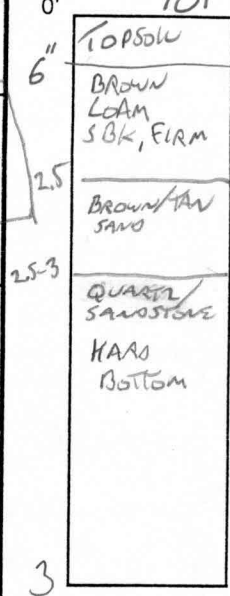


103



SOIL PROFILE

101



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE:

HIGHLAND ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/29/98	101	3				Rock	F	
	102	40"				Rock	F	
	103	6'					F	
	I1	SEE	SITE EVALUATION SHEET					
	I2	0-6' ± 110'	BELOW I1		↓	" "	" "	

REMARKS EVALUATE FOR SAND MOUND

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

TESTED BY G. SAVAGE ALSO PRESENT OWNER

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

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

# APPLICATION

*Test at site Monday April 13/1998*

*P. 5116 113P 5/22/98 1210 Follow-up TESTIAL FOR 6/29/98 SEE NEXT SHEET*

PERCOLATION TESTING

A 59887A

P \_\_\_\_\_

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

*Preview Comment  
Existing lot of Record  
Not Clearly Identified in Tax Map Record  
appears to be subdivision  
Reevaluation of Septic New Lot  
Capacity of existing house also Requested.*

DISTRICT \_\_\_\_\_

DATE 3/23/98

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 TANDY N. DILLON

ADDRESS 13197 HIGHLAND RD PHONE 301 854-2836

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

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

PROPERTY LOCATION:

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

ROAD AND DESCRIPTION HIGHLAND RD

TAX MAP 34 GRID 21 P664 PARCEL # \_\_\_\_\_ UNIDENTIFIED PARCEL - SOUTH SIDE OF PIPESTEM NORTH OF PARCELS 289/281

SIZE OF LOT 2.02 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. Tandy N Dillon  
(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 1 4

DP501C  
 CLAY  
 "TIGHT"  
 SANDY  
 CLAY  
 ORANGE BROWN  
 MULTI-COLORED PATCHES  
 (XAN)

"RIBBONS" TO 1 1/2"  
 WITHOUT HOLDING MOISTURE  
 NO RIBBONS  
 3 1/2" (LIGHTLY GRANULAR)

CLAY  
 WHITE SAND (TIGHT)  
 5% SAND  
 APPROPRIATE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 6  
 CLAY  
 4 1/2"  
 5'  
 BANDY  
 RIPPLES  
 DIAGONAL  
 VEIN OF WEATHERED SANDSTONE  
 3/8" THICK  
 LAMAR  
 CRUMBLES  
 UNDER HAND PRESSURE  
 BUT MOTTLES SHOW EVIDENCE OF PERCH'S WATER TABLE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/13/98	1	3 1/2	10:13	no observation	PERC AFTER 20 MIN		
	2A/2B	ABANDONED-ROCK, NOT INSPECTED					
	3	3 1/2	REFOCAL	HAND SANDSTONE			
	4	3 1/2	10:20	10:50	10:50	11:23	33 MIN
	5						
		8	10:46	10:47	10:47	10:59	12 MIN
	6						

REMARKS \_\_\_\_\_

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

TESTED BY C. Wilbur ALSO PRESENT T. Dillon

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

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

MARYLAND DEPT. OF THE ENVIRONMENT  
 ONSITE SEWAGE DISPOSAL PERMIT  
 SITE EVALUATION REPORT  
 PERCOLATION TEST DATA

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

LOT SECTION DILLON BY: C. SAUSAGE

METHOD IN FILTER METER

DATE 12-18-98 SOIL - WEATHER: SUNNY, DRY, 40°F

DEPTH 6" HOLE DIA. (in.) 1 1/2 CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
T1A	12:53	0	7	0	0	
	1:08	15	6.5	1/2	30	
	1:23	15	6.25	1/4	60	
	1:38	15	6	1/4	60	
	1:53	15	5 7/8	1/8	120	
	2:08	15	5 3/4	1/8	120	POSSIBLE COMPRESSION OF TEST AREA
	2:23	15	5 5/8	1/8	120	PERC TEST - BY BACKHOLE
	2:28	15	5 1/2	1/8	120	

LOCAL 1290 COMPACTION AS SHOWN ON PLAN OF 12-16-98 ARSA 1

METHOD AS ABOVE BY:

DATE 12-18-98 SOIL - WEATHER:

DEPTH 12 HOLE DIA. (in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
T1B	1:33	0	7	0	0	
	1:48	15	6	1	15	
	2:03	15	5 1/4	3/4	22.5	
	2:18	15	4 5/8			
	2:32		7			
	2:37	15	6 1/4	3/4	22.5	
	2:52	15	5 3/4	1/2	30	
	3:07	15	5 1/2	5/8		

TEST RATE

METHOD BY:

DATE SOIL - WEATHER:

DEPTH HOLE DIA. (in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
V	3:09	0	7	0	0	
	3:24	15	6 3/8	5/8		
	3:39	15	5 3/4	5/8		

TEST RATE  
 AVE. RATE

MARYLAND DEPT. OF THE ENVIRONMENT  
 ONSITE SEWAGE DISPOSAL PERMIT  
 SITE EVALUATION REPORT  
 PERCOLATION TEST DATA

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

LOT SECTION

METHOD: Infiltrometer BY: G. SAVAGE

DATE: 6/29/98 SOIL - WEATHER: 90's Sunny

DEPTH: 12 HOLE DIA.(in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
I1	11:26	11:27	6	1	1	
	11:30	4	4	2	2	
	11:32		7			
	11:38	6	3	4		
	11:44	11:47	3 AW	6	1	3
	11:51	4 MW	4 1/8			
	11:53		6			
	11:56	3	5	1	3	
RECORD	11:59	3	5	1	TEST RATE	3

METHOD: Infiltrometer BY: G. SAVAGE

DATE: 6/29/98 SOIL - WEATHER:

DEPTH: 16 HOLE DIA.(in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
I2	12:58	12:59	5	1	1	
	10:43	1:45	5	1	1:45	
	10:6	4:15	5	1	4:15	
	1:11	5	5	1	5:15	
	1:16	5	5	1	5:30	
	1:18	6	5	1	6:00	
	1:25		7			
	1:32	6	6	1	6:00	
				TEST RATE		

METHOD: ↓ BY: ↓

DATE: ↓ SOIL - WEATHER: ↓

DEPTH: ↓ HOLE DIA.(in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
	1:40	8	5	1	8	
	1:41/1:49	8	5	1	8	
	1:51/1:59	8	5 1/8	2/8	9.14	
	2:03	8	6 1/8	7/8	9.14	
					TEST RATE	9.14
					AVE. RATE	6.5

MARYLAND DEPT. OF THE ENVIRONMENT  
 ONSITE SEWAGE DISPOSAL PERMIT  
 SITE EVALUATION REPORT  
 PERCOLATION TEST DATA **DILLON**

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

LOT SECTION

METHOD Infiltrometer BY: G. SAVAGE

DATE 12-18-98 SOIL - WEATHER: 40°C Sunny

DEPTH 14 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
T2A	2:10	0	7	0	0	
	2:25	15	5 3/8	1 1/8		
	2:40	15	5 1/8	1/2	30	
	2:55	15	5 5/8	1/4	60	
	3:10	15	5 3/8	1/4	60	
	3:25	15	5 1/8	1/4	60	

DUG AS SHOWN - V.P.L.A.V. OF 12-16-98 TEST RATE  
AREA 2

METHOD BY:

DATE 12-18-98 SOIL - WEATHER:

DEPTH 12 HOLE DIA.(in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS
T2B	2:33	0	7	0	0	
	2:48	15	6	1	15	
	3:03	15	5 1/2	1/2	30	
	3:18	15	5 3/8	1/2	30	
	3:34	15	5	1/2	30	

TEST RATE

METHOD BY:

DATE SOIL - WEATHER:

DEPTH HOLE DIA.(in.) CONV. FACTOR

TEST NO.	ELAPSED TIME	TIME INTERVAL (min.)	WATER LEVEL (in.)	DROP IN WATER LEVEL (in.)	RATE (min/in.)	REMARKS

TEST RATE

AVE. RATE



7.13.98  
"WALKOVER" RP/GS  
FOR SANDMOUND; INC. DESIGN

**HOWARD COUNTY HEALTH DEPARTMENT**

Joyce M. Boyd, M.D., County Health Officer  
March 27, 1998

5/27/98 UPDATE  
ADDITIONAL TESTING SCHEDULED FOR  
10 AM 6/29/98  
DIG 3 HOLES AT DESIGNATED  
LOCATIONS FOR CONVENTIONAL  
EVALUATION, THEN DETERMINE  
IF ADDITIONAL  
CONVENTIONAL  
TESTING ON  
INFILTRAMETER  
TESTING IS  
WARRANTED

Tandy N. Dillon  
13197 Highland Road  
Highland, Maryland 20777

RE: Percolation Testing  
Highland Road, Dillon Property  
Tax Map: 34 Part of Parcel: 64

Dear Mr. Dillon:

A percolation test date has been reserved for April 13, 1998.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

Please call this office between 8:00 a.m. and 5:00 p.m., Monday - Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

6/29/98 UPDATE  
3 ADDITIONAL STANDARD PERC  
TESTS FAILED FOR ROCK  
2 INFILTRAMETER TESTS  
PROMISING  
GS

Very truly yours,

*Ronald J. Pinkley*  
Ronald J. Pinkley, R.S.  
Water and Sewerage Program

IF APPROVED  
SEPTIC  
LOCATION  
CONFLICTS  
W/ WELL SITE  
OPPORTUNITY,  
OFF SITE  
WELL IS  
AN  
OPTION.

RJP:tl  
cc: Clark, Finerock & Sackett, Inc.  
File

SAND MOUND SEPTIC TANK  
(2 - 3106 BY 5106)  
APPROVED 1/7/99 ON  
PLAN BY CFS  
(THEIR JOB # 88-0173)

DILLON PROPERTY SAND MOUND COMPUTATIONS / SAVAGE  
INITIAL INSTALLATION SUGGESTION

SOIL	PERC RATE	450 GPD	BAJAL AREA
SAND, SANDY LOAM	6-9 MIN / LINEAL FOOT	1.2 gpd/ft <sup>2</sup>	375 <del>sq</del> ft

SLOPE  $\frac{9.0}{8.5} \left( \frac{9}{100} \times 100 \right)$  APPROXIMATE MOUND DIMENSION: 15' SYSTEM  
36 x 91 (ET.) REPAIR MOUNDS (2) 41 x 71

SHALLOWEST DEPTH TO ROCK 30"

SAND DEPTH @ BED CENTER =  $18 + 24.5 \div 2 = 21.25$

ABSORPTIVE DEPTH OF BED 8" TOTAL

NO BAJAL AREA CORRECTION REQUIRED

DISTRIBUTION BED NETWORK "

$$\frac{62.5 - 1}{2} = 30.75' \text{ LENGTH FROM MANIFOLD TO LATERAL}$$

$$\frac{6}{2} = 3' \text{ DISTANCE BETWEEN LATERALS}$$

$\frac{5}{16}$  DIAMETER PERFORATIONS

42" BETWEEN PERFORATIONS (3.5')

1 1/4' MINIMUM LATERAL DIAMETER / OPTIMUM DIAMETER FOR  
30.75' LENGTH

## DILLON PROPERTY SAND MOUND COMPUTATIONS / SAUSAGE

# PERFORATIONS PER LATERAL FOR CENTER FEED

BFO LENGTH 62.5' SPACING 3.5'

$$.5 \times 62.5 / 3.5 = 8.9$$

DISTANCE TO 1ST PERFORATION  $0.5 \times 62.5 - (8.9 - 1) \times 3.5$ 

$$= \frac{31.25 - 27.65}{2} = \frac{3.6}{2} = 1.8'$$

DIAMETER MANIFOLD / FORCE MAIN 3"

DOSE =  $\frac{1}{6} \times 450 = 75$  GAL USE IS GREATER THAN ADDITION OF SQUARE OF  
 VOLUME MANIFOLD AND MAIN TO BE DETERMINED + VOLUME OF PIPING -

LATERALS =  $30.75 \times 4 = 123'$  OF  $1\frac{1}{4}$  PIPE @ 7.8 GALLONS / 100'
 $123 \times 7.8 / 100 = 9.5$  GALLONS FOR SCHED 40 RIGID PLASTIC PIPE

ESTIMATE USING 75 GALLON DOSE

• 450 GALLONS + STORAGE / 1 DAY

75 GALLON DOSE

525 GALLON CAPACITY PUMP CHARGER

BETWEEN INLET AND PUMP OFF FLOAT

PUMP SIZING T.B.D. - NEED S.I.T. LOC / ELEVATION

DILLON

TABLE 3.1

EQUATIONS FOR CALCULATING SAND MOUND DIMENSIONS

INITIAL INSTALLATION USING 36x91 MOUND REUSE TO 41x71 MOUND INITIAL + 45-60 MIN PER RATE

Absorption bed ft.² (A x B) = Design flow / 1.2 gpd/ft.² = 375 ft.²

Bed length (B) = 62.5 ft. (21 ft. to 101 ft. dependent on site)

Bed width (A) = 375 ft.² / 62.5 ft. = 6 ft. (15 ft. or less)

Upslope sand fill depth (D) = 48 in. - 30 Z in. = 18 in. (12 in. min.)

Downslope sand fill depth (E) = [12 A x % slope] + D in. = 24.48 in.

Cap + topsoil at bed center (H) = 18 in. (12 x 6 x (9/100) + 18)

Cap + topsoil at bed edge (G) = 12 in.

Total Bed Depth (F) = 10 in.

Sideslope setback (K) = [(D + E) + 28 in.] x 3 / 2 = 147.75 in. (12.3')

Upslope setback (J) = (22 in. + D) x 3 x upslope corr. factor = 93.6 in. (7.8')

Downslope setback (I) = (22 in. + E) x 3 x downslope corr. factor = 192.4 in. (16.0')

Total Width of Mound (W) = 12A + J + I = 358 in. (29.8')

Total Length of Mound (L) = 12B + K + K = 1045.5 in. (87.12')



011101W CALCULATIONS TO SHOW SUITABILITY OF PROPOSED MOUND FOR  
 OVER RATES THAN INITIALLY SHOWN FOR 46-60 MIN PERC RATES

$$\frac{450 \text{ GPD}}{.5 \text{ gpd ft}^2} = 900 \text{ ft}^2 \text{ BASAL AREA REQD}$$

AT

BASAL AREA (SLOPE SIDE) BEG WIDTH 9' +  $\left( \frac{\text{DOWNSLOPE SETBACK}}{17.11''} \times \frac{\text{BEG LENGTH}}{42} \right)$

~~BASAL AREA = 1096~~ ~~ft~~ AVAILABLE 60 min / 1/6 inch

USING 41 X 71 MOUND SIZE

22' x -  $9 \times \frac{42}{1380}$   $\frac{71.3}{12}$

DOWNSLOPE SETBACK 22' x 1.38 39

.5 450

112  $\frac{\text{BEG WIDTH (A)} = 375}{71} = 5'$   $\frac{71}{57}$   $\frac{375}{352}$   $\frac{200}{200}$

**41 X 71 MOUND WILL WORK ON THIS SITE WITH 45-60 MINUTE PERC RATES**

INITIAL CALCULATIONS WERE DONE W/ GREATER SLOPE CALCULATIONS THAN PRESENT ON SITE; THAT CORRECT FOR SLOWER PERC RATES





**SANITARY/ENVIRONMENTAL ENG., INC.**

Consulting Engineers  
1414 Washington Road  
WESTMINSTER, MARYLAND 21157  
(410) 876-7740  
FAX (410) 840-9924

JOB Dillon Property

SHEET NO. 2 OF \_\_\_\_\_

CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY \_\_\_\_\_ DATE 2/14/01

SCALE \_\_\_\_\_

$$F - 3'' = 0.0984 \frac{59^{1.85}}{3.068487} = 0.0984 \frac{1888.3}{234.96} = 0.8' / 100'$$

$$F - 3'' = (1.37)(0.8) = 1.1'$$

$$\text{Total } F = 1.6 + 1.1 = \underline{2.7}$$

$$\text{TDH} = 17.16 + 2.00 + 2.70 = 21.86 \text{ (22')}$$

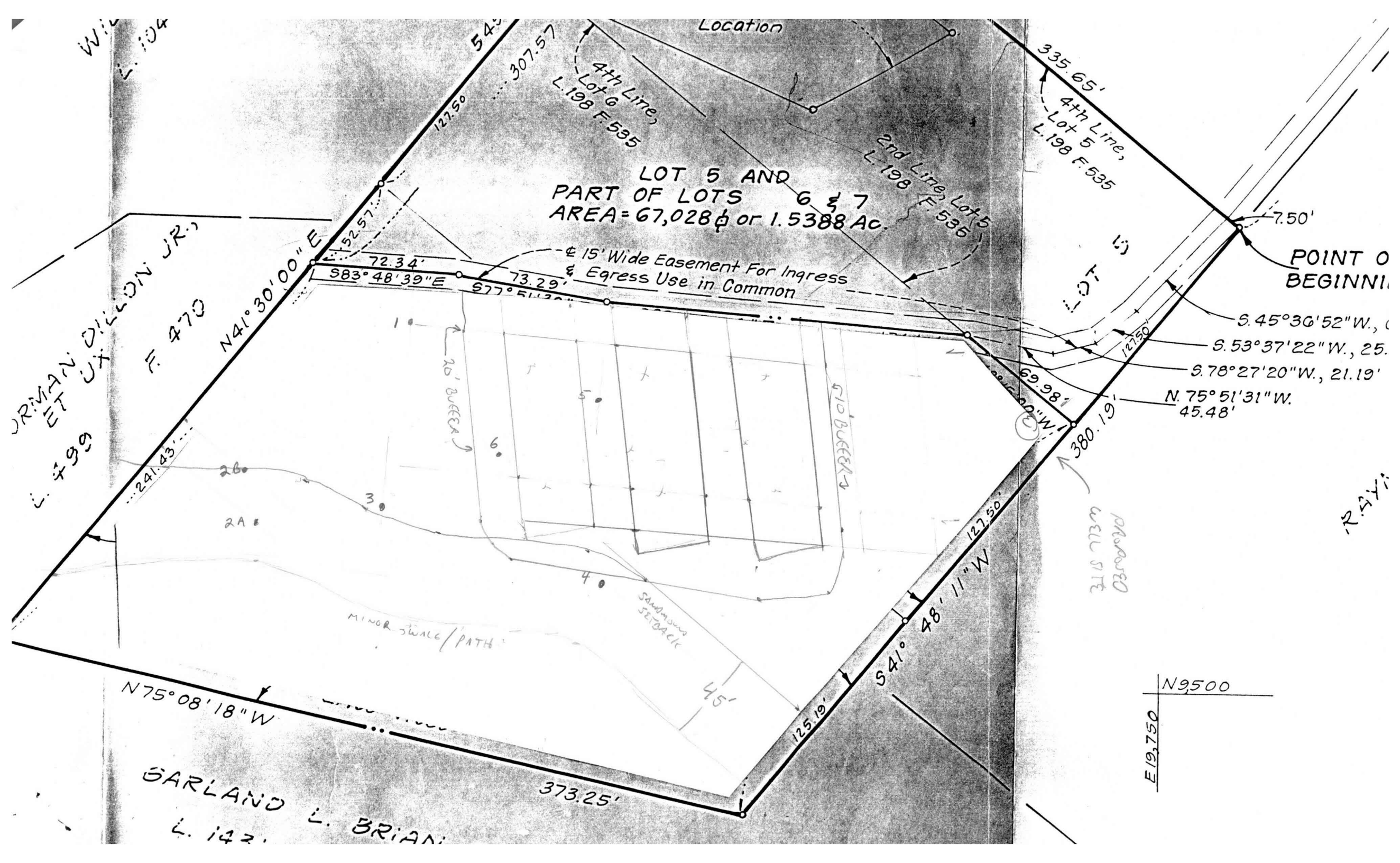
59 GPM @ 22' TDH -

Pump - BOULDS MODEL 3885 - WE 07 H.









LOT 5 AND  
PART OF LOTS 6 & 7  
AREA = 67,028 sq ft or 1.5388 Ac.

15' Wide Easement For Ingress  
& Egress Use in Common

WILLIAM WILSON JR.  
L. 799 F. 470

GARLAND L. BRIAN  
L. 142

POINT OF BEGINNING

PASSAGE CELL SITE

N 9,500
E 19,750

N 41° 30' 00" E

N 75° 08' 18" W

373.25'

S 41° 48' 11" W

N. 75° 51' 31" W.  
45.48'

S. 78° 27' 20" W., 21.19'

S. 53° 37' 22" W., 25.

S. 45° 36' 52" W.,

4th Line, Lot 5  
L. 198 F. 535

2nd Line, Lot 5  
L. 198 F. 535

4th Line, Lot 6  
L. 198 F. 535

54°  
127.50  
307.57

72.34'  
S 83° 48' 39" E

73.29'  
S 77° 51' 20" E

127.50'

69.98'

380.19'

127.50'

48' 11" W

125.19'

10' BUFFER

15' BUFFER

MINOR SWALE / PATH

SAWTOOTH SETBACK

26.

3.

6.

4.

45'

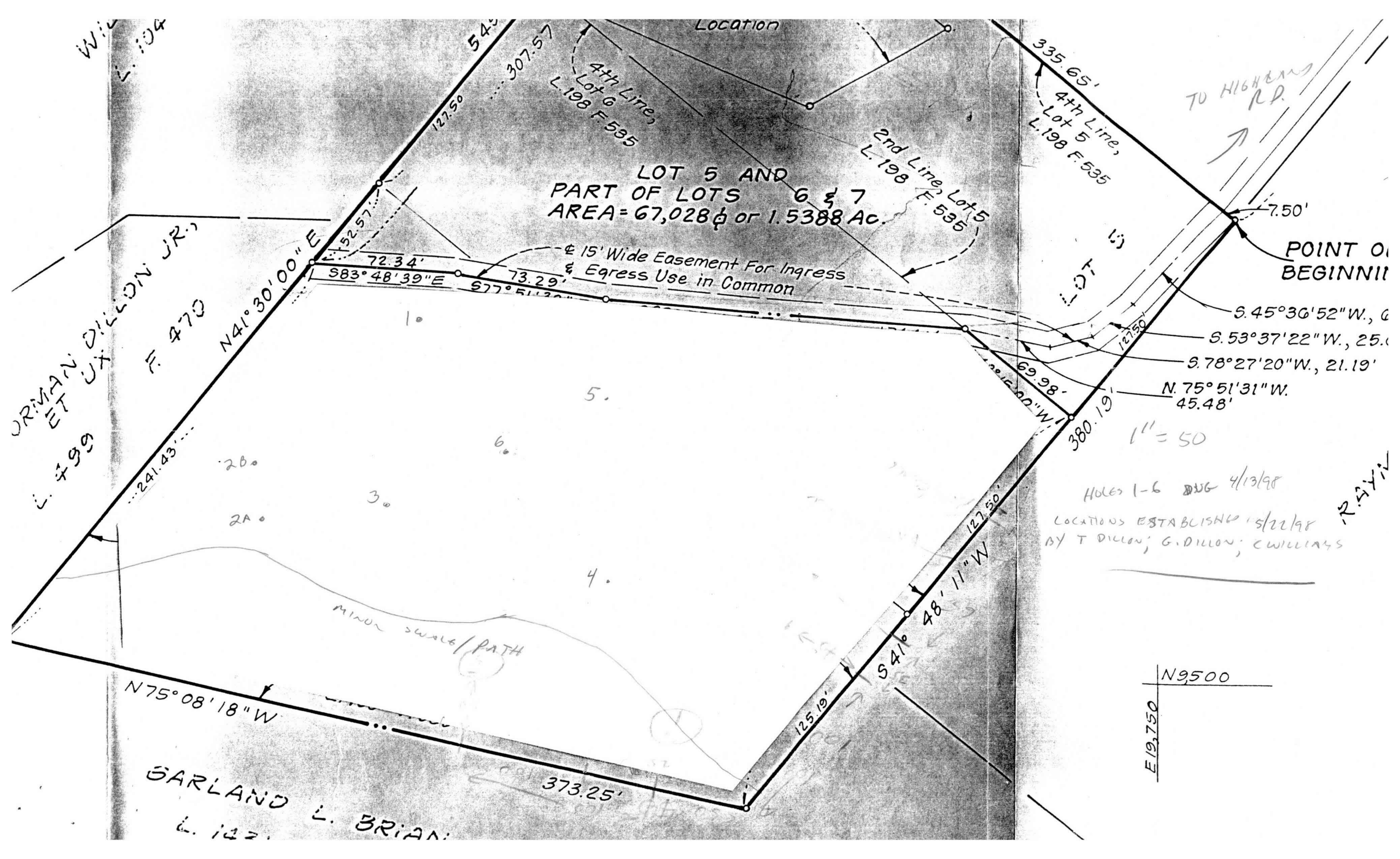
2A

WILSON  
L. 104

15' SETBACK

7.50'

335.65'





LOT 5 AND  
PART OF LOTS 6 & 7  
AREA = 67,028 sq ft or 1.5388 Ac.

15' Wide Easement For Ingress  
& Egress Use in Common

PART OF  
PROPERTY OF  
**T. NORMAN DILLON, JR.**  
Liber 333 Folio 430

RESIDUE OF LOTS 6 & 7  
AREA = 88,358 sq ft or 2.0284 Ac.

T. NORMAN DILLON JR.  
ET UX  
L. 499 F. 470

1st Line, Lot 7  
L. 198 F. 535  
N75°08'18"W

LOT 7  
2nd Line, Lot 7  
L. 198 F. 535  
125.19'

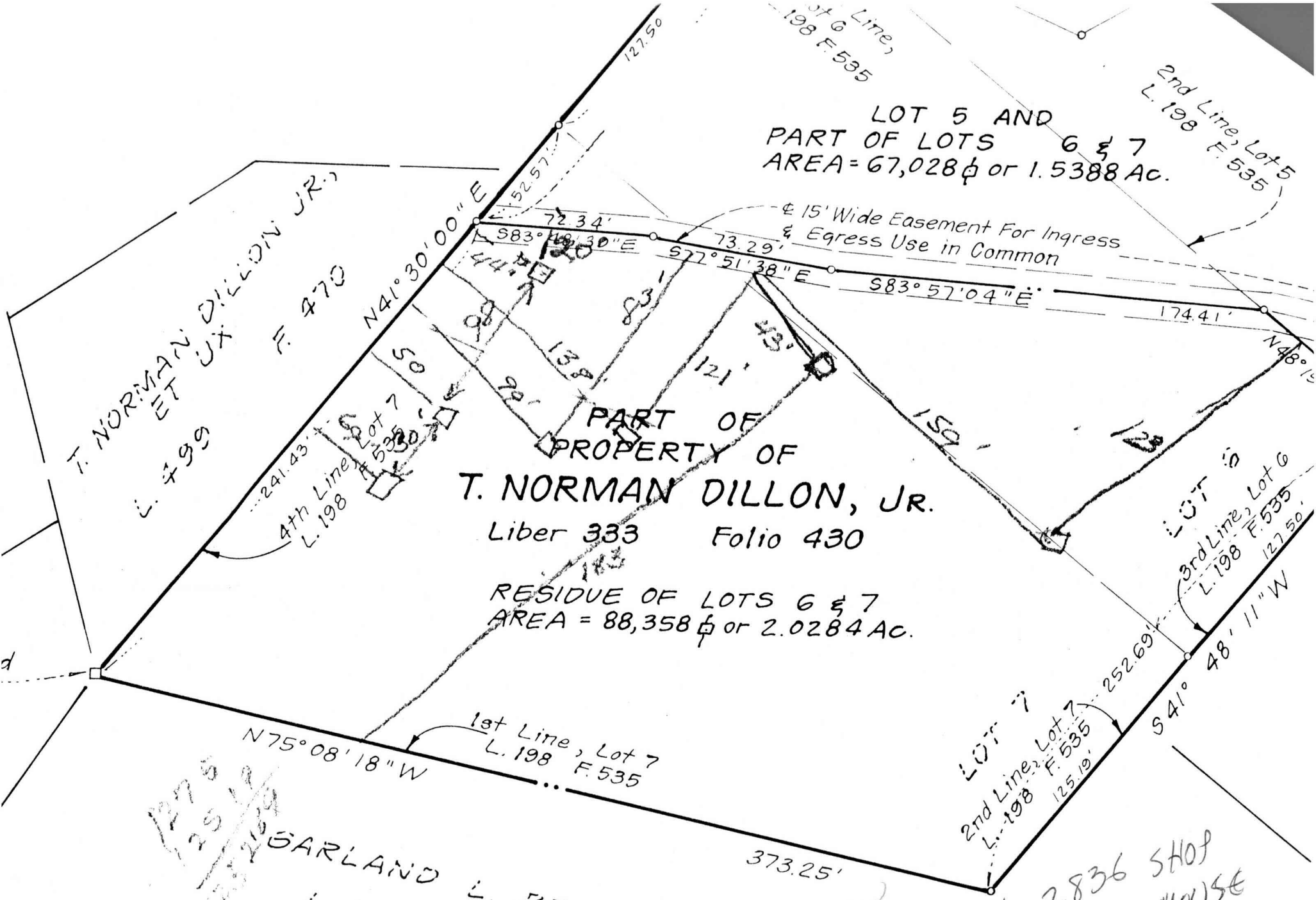
LOT 6  
3rd Line, Lot 6  
L. 198 F. 535  
127.50'

2nd Line, Lot 5  
L. 198 F. 535

127.50'  
127.50'  
127.50'

GARLAND  
L. 1431  
L. BRIAN, ET UX  
F. 622

DILLON  
301-854-2836 SHOP  
2677 HOUSE





For Dillay, Tandy K. Property  
off S/S Highland Rd


PERC CERT COMMENTS OK W/CHANGES

MYLAR PICKED UP 1-5-99

*[Handwritten initials]*

# GENERAL NOTES

FOR CHANGES

1.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT FOR SAND MOUND SEPTICS, AS REQUIRED BY MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCRoACHMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

ON SLOPES NOT EXCEEDING 12%, FOR 45-60 MINUTE PERC RATES USING WELLPOINTERS

2. SAND MOUNDS "TYPICAL" FOR 3' BR HOUSE APPLICANT TO PREPARE SYSTEM DESIGN DETAIL PRIOR TO APPLICATION FOR SEPTIC PERMIT.

3. "I HEREBY CERTIFY THAT MEASUREMENTS ON THIS DRAWING BY T.N. DILLON ARE ACCURATE TO THE BEST OF MY KNOWLEDGE, INFORMATION, BELIEF AND ABILITY."

T.N. Dillon

12/16/98  
DATE

APPROVED:  
FOR PRIVATE WATER AND PRIVATE  
SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

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HOWARD COUNTY HEALTH OFFICER      DATE

REVIEW: - DELETE LOWEST SAND MOUNDS  
- SHOW TEST LOCATIONS

N 10,000