

TEST DATA

NAME	FILE NO
LOCATION <u>Smith Farm</u>	COUNTY <u>Howard</u>
	DATE <u>4/5/00</u>
<u>Lot 23</u>	GRID _____ E
RECORDED BY <u>Amy McMillen</u>	N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
37-A			1:53		7.0	
			2:08	15 min	6 ⁴ / ₁₆	.625 24 min/inch
			2:30	22 min	5 ¹² / ₁₆	.625 35
			2:45	15 min	5 ⁷ / ₁₆	.313 48
			3:00	15 min	5 ¹ / ₁₆	.375 40
			3:15	15 min	4 ¹² / ₁₆	.313 48
			3:20		7.0	
			3:30	10 min	6 ¹³ / ₁₆	.188 53
			3:45	15 min	6 ⁴ / ₁₆	.438 34
			4:08	23 min	5 ¹⁴ / ₁₆	.5 46
						45 min (OK)
38-A			2:04		7.0	
			2:19	15 min	6 ⁴ / ₁₆	.313 48
			2:30	11 min	6 ⁸ / ₁₆	.188 58
			2:45	15 min	6 ⁴ / ₁₆	.25 60
			3:00	15 min	6.0	.25 60
			3:15	15 min	5 ¹³ / ₁₆	.188 80
			3:30	15 min	5 ¹⁰ / ₁₆	.188 80
			3:45	15 min	5 ⁶ / ₁₆	.25 60
			4:13	15 min	5 ² / ₁₆	.25 60
						65 min (OK)

TEST DATA

NAME _____	FILE NO _____
LOCATION <u>Smith Farm</u>	COUNTY _____
<u>Lot 23</u>	DATE <u>4/5/00</u>
RECORDED BY <u>Amy McMullen</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
SM38			2:10		7.0	
			2:26	16min	6 ⁴ / ₁₆	.625 = 25.6 min/in
			2:31	5min	6 ⁴ / ₁₆	.125 40
			2:46	15min	5 ¹³ / ₁₆	.313 48
			3:01	15min	5 ⁹ / ₁₆	.375 40
			3:16	15min	5 ⁵ / ₁₆	.25 60
			3:36	20min	5.0	.313 64
			3:51	15min	4 ¹⁰ / ₁₆	.375 40
			4:15	24min	4 ² / ₁₆	.5 48
						50 min (OK)
						<u>10.5</u>
SM40			2:15		7.0	
			2:25	10min	6 ³ / ₁₆	.813 12 min/inch
			2:32	7min	5 ¹¹ / ₁₆	.5 14
			2:47	15min	4 ¹² / ₁₆	.938 15
			3:03	16min	7.0	
			3:18	15min	6 ³ / ₁₆	.813 18
			3:33	15min	5 ⁵ / ₁₆	.875 17
			3:50	17min	4 ⁴ / ₁₆	1.063 16
			4:05	15min	3 ⁴ / ₁₆	1 15
						16 min (OK)
						<u>11.2</u>

TEST DATA

NAME	FILE NO
LOCATION <u>Smith Farm</u>	COUNTY <u>Howard Co</u>
	DATE <u>4/5/00</u>
<u>Lot 23</u>	GRID <u>E</u>
RECORDED BY <u>Amy McMillen</u>	N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
SM39		18"	2:28		7.0	> 1 1/16
3			2:33	5min	6 5/16	> 5/16 7 inch/min
			2:48	15min	6.0	> 5/16 48
			3:03	15min	5 1/16	> 3/16 48
			3:18	15min	5 8/16 ←	> 4/16 79
			3:33	15min	5 9/16	> 4/16 60
			3:51	18min	5.0	> 5/16 72
			4:06	15min	4 1/16	> 4/16 47
			4:21	15min	4 7/16 ←	> 4/16 60
					1 1/16 63	min/in
					5 9.3 pb	OK
					10.5	86/100
SM37		18"	2:22		-7.0	
3			2:35	13min	5.0	2.0 = 6.5 inch/min
			2:36		7.0	
			2:51	15min	5 9/16	1.438 = 10.4
			3:06		7.0	
			3:21	15min	5 10/16	1.375 = 10.9
			3:36	15min	4 5/16	1.313 = 11.4
						min/in
						1.2
						OK

500 501 heavy red siltm red brown siltm some clay 40-50% Rx 11.0	503 orange red siltm changing to red siltm some clay 30-40% Rx Mg stains 60% Rx 10.0 12.0	504 like 503 but 70% rock beginning @ 8.0' 11.0	505 heavy red siltm 30% Rx 6.0 70-80% large Rx frags 12.0	506 80% Rock frags beginning @ 5.0' 8.0 refusal
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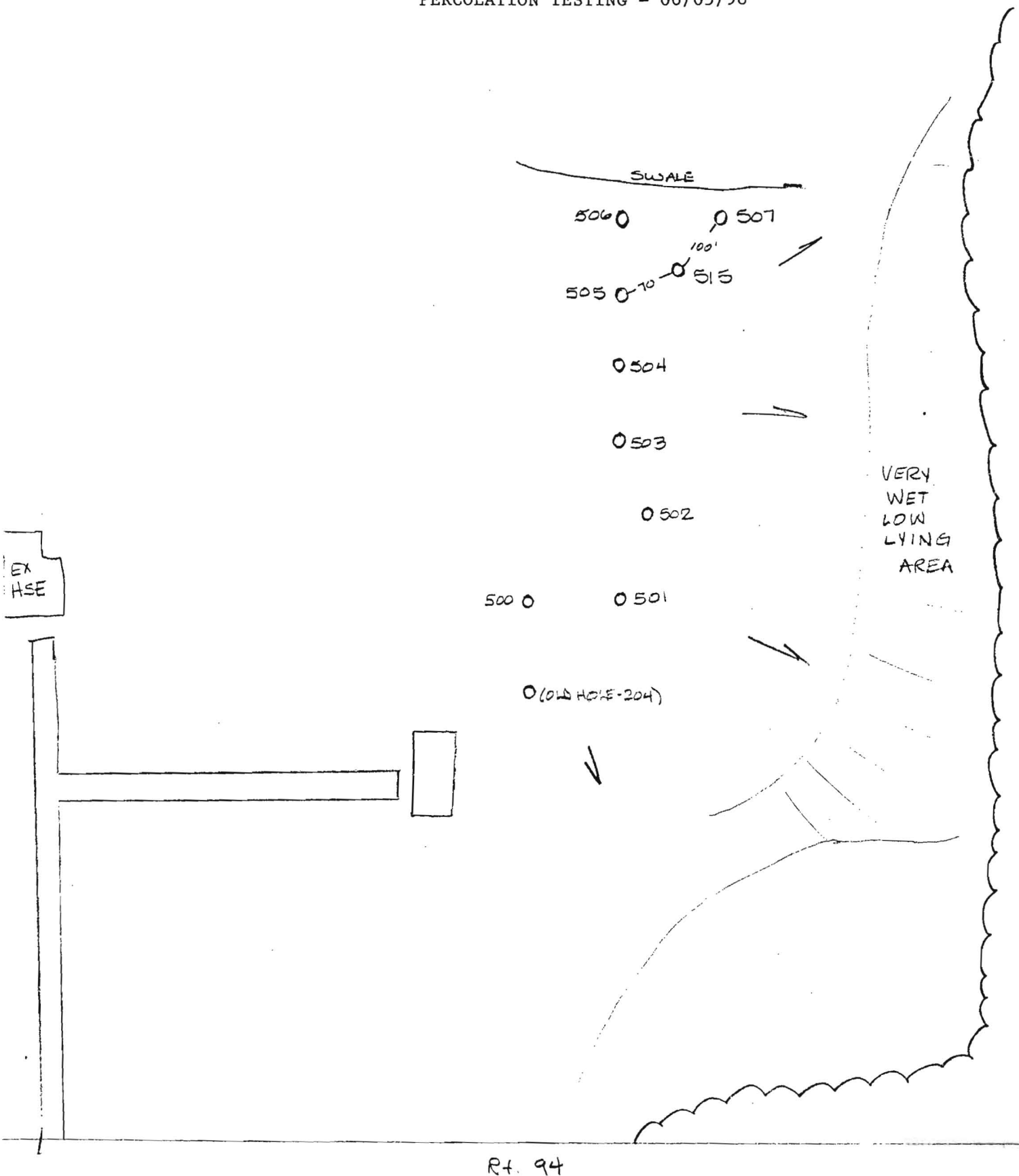
507 orange red siltm 40% Rx 4.0 40% Rx 7.5 water @ 9.0	515 red brown siltm 30% Rx 8.5 60% Rock Mg deposits 10.0			
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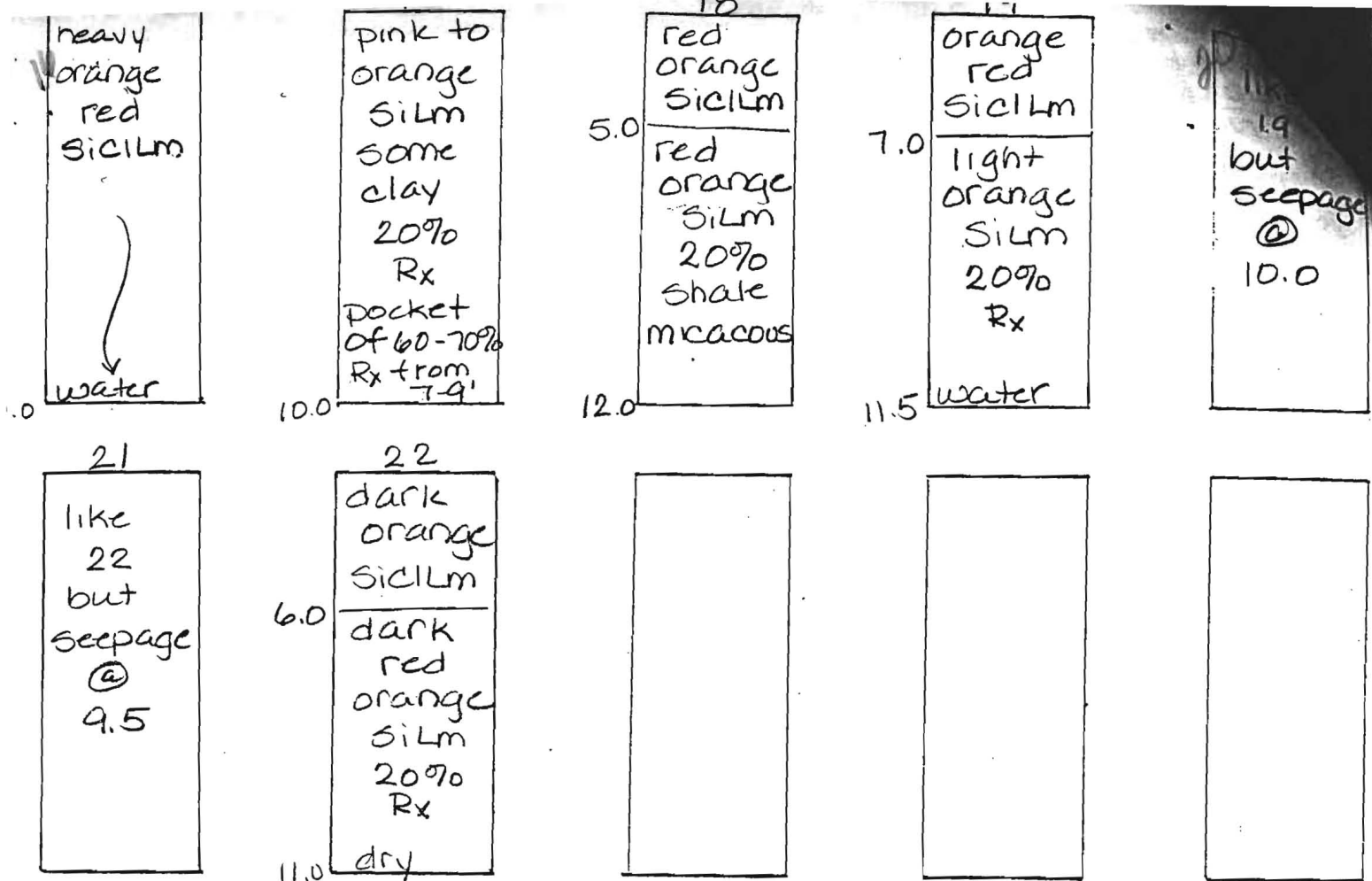
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-5-98	500	7.0 v11.0	10:43	10:54	10:54	11:11	17min
	501	6.0 v12.0	10:47	10:48	10:48	10:49	1min
		repour	10:50	10:51 ⁴⁵	10:51 ⁴⁵	1:53 ⁴⁵	2min
		Marginal @ best - test times < 5 min in					
		close to excessive rock conditions Marginal					
	502	3.5' v11.0	10:58 ³⁰	11:12	11:12	11:40	28min
	503	6.0 v12.0	11:12	No movement @ 11:40			
		Deep clay & insufficient depth to bedrock					F
	504	4.0 v11.0	12:43	No movement @ 2:30			
		deep clay & insufficient depth to bedrock					F
	505	2.0 v12.0	12:35	No movement @ 1:10			
		Insufficient depth to bedrock —					F
	506	Insufficient depth to bedrock - see profile					F
	507	3.0 v9.0	11:53	11:55	11:55	12:00	5min
REMARKS	515	4.0 v10.0	12:15	12:20	12:20	12:30	10min

TESTED BY _____

ALSO PRESENT _____

SMITH PROPERTY - ROUTE 94
PERCOLATION TESTING - 06/05/98





DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5-18-98	16	4.0 / 10.0	12:53	>30 min	—	—	slow	>F
		Insufficient depth to H ₂ O & deep clay						
	17	3.0 / 10.0	12:59	>30 min	—	—	slow	>F
		Insufficient depth to bedrock & deep clay						
	18	5.0 / 12.0	2:23	2:31	2:31	2:39	8min	OK
	19	5.5 / 11.5	3:58	4:05	4:05	4:32	27min	OK
	20	3.5 / 10.0	3:19	3:26	3:26	3:32	6min	OK
	21	4.0 / 9.5	3:37	4:05	no mvmt	—	slow	>F
		Insufficient depth to bedrock & deep clay						
	22	4.0 / 11.0	3:40	4:05	no mvmt	—	slow	
		Need to test deeper to determine pass/fail						

REMARKS

TESTED BY Amy McMillen

ALSO PRESENT Mr Smith

COUNTY #

SOIL PROFILE

0' 717
red brown
silm
20% shale
20
mottled
mg
deposits
30%
saprolite
water

719

heavy
red
silm
orange
brown
silm

mottled
mg
deposits

718

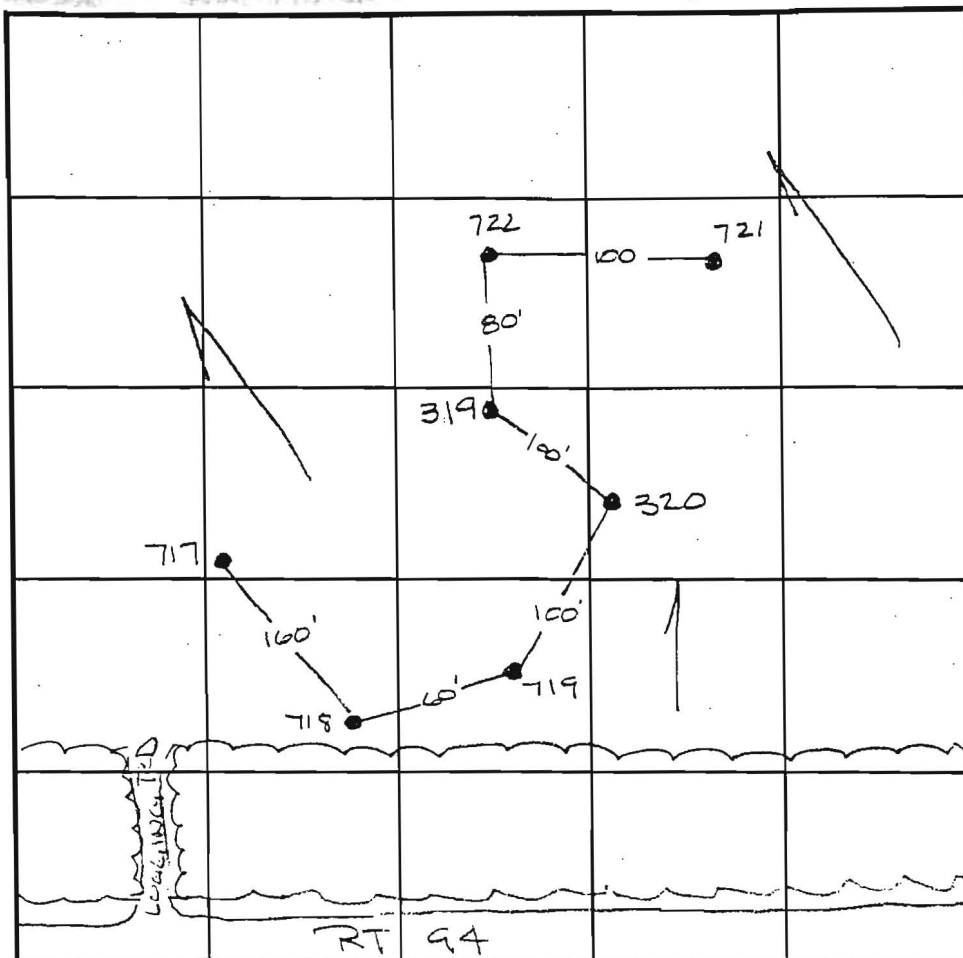
like
717

319

like
717

320

like
719



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL #

721
like
719-
water
@ 11.0'

721

like
719

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-4-98	717	5.5 VII.0	3:20	3:31	3:31	1/2" @ 4:02	
		Slow perc - insufficient depth to H2O					F
	719	5.5 VII.0	3:33	3:50	3:50	4:20	30min
	718	6.0 VII.0	3:25	3:33	3:33	3:50	17min
	320	6.0 VII.0	3:54	3:58	3:58	4:08	10min
	319	6.0 VII.0	3:38	no perc	@ 4:25		Slow
		Slow perc - insufficient depth to H2O					F
	722	6.0 VII.0	4:01	no perc	@ 4:25		
		Slow perc insufficient depth to H2O					F
	721	6.0 VII.0	4:08	4:16	4:16	4:30	14min

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

topsoil

org bin
d lm

გერბი

WATER

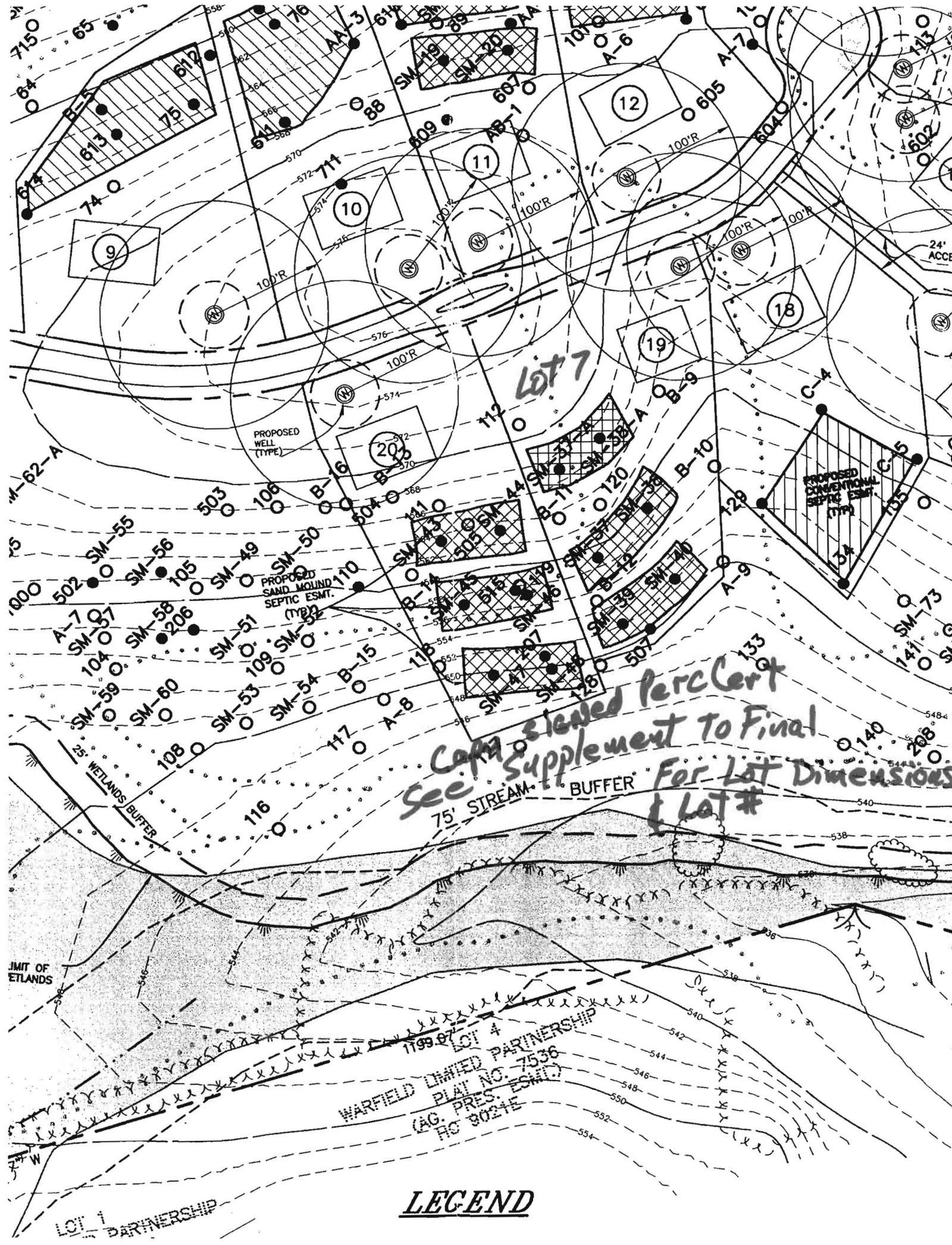
(72)

top sail

org brn
cl lnn

WATER

[illegible]

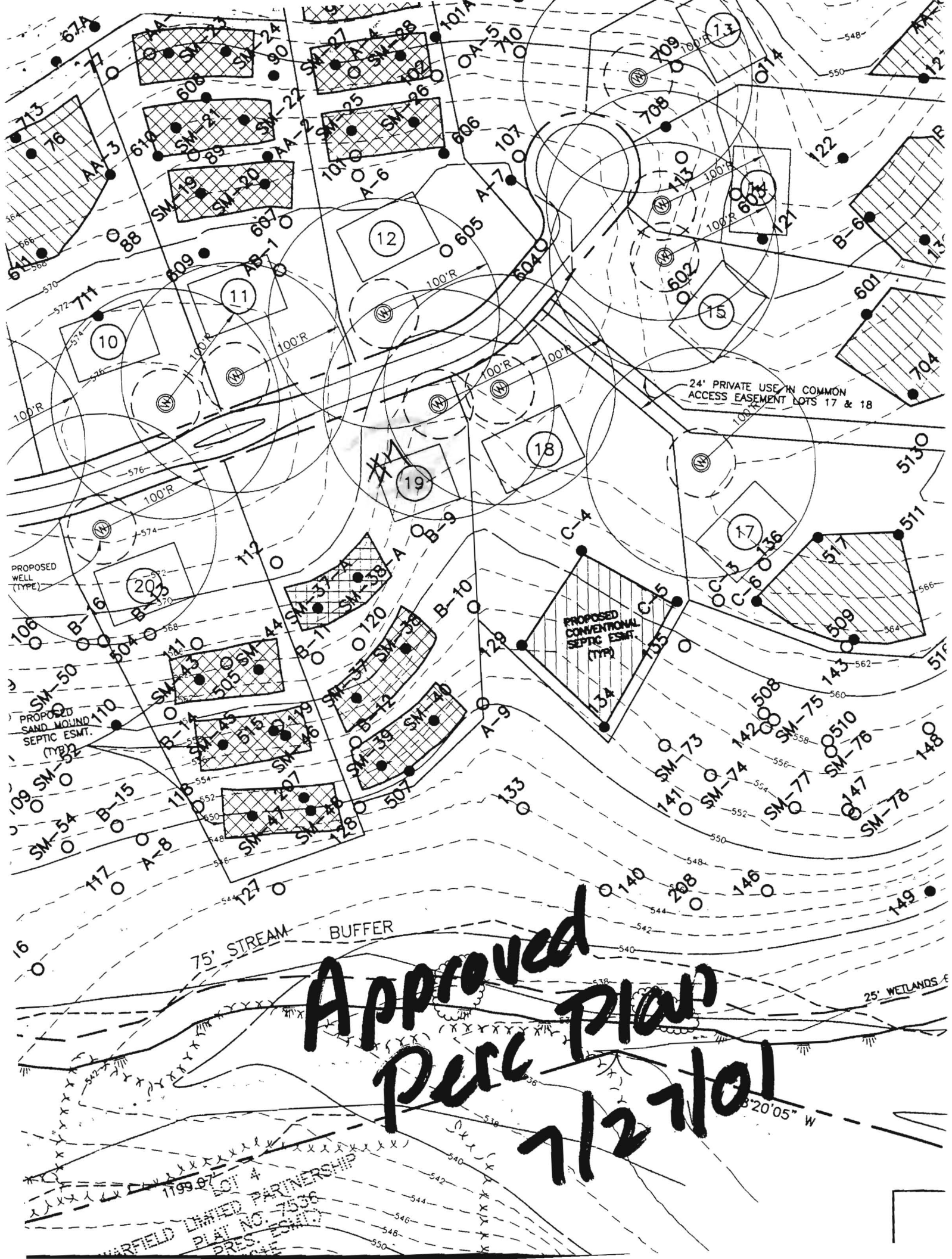


*Capa started Perc Cert
See Supplement To Final
For Lot Dimensions
& Lot #*

LOT 4
WARFIELD LIMITED PARTNERSHIP
PLAT NO. 7536
(AG. PRES. ESMT.)
HC 9024E

LEGEND

LOT 1 PARTNERSHIP



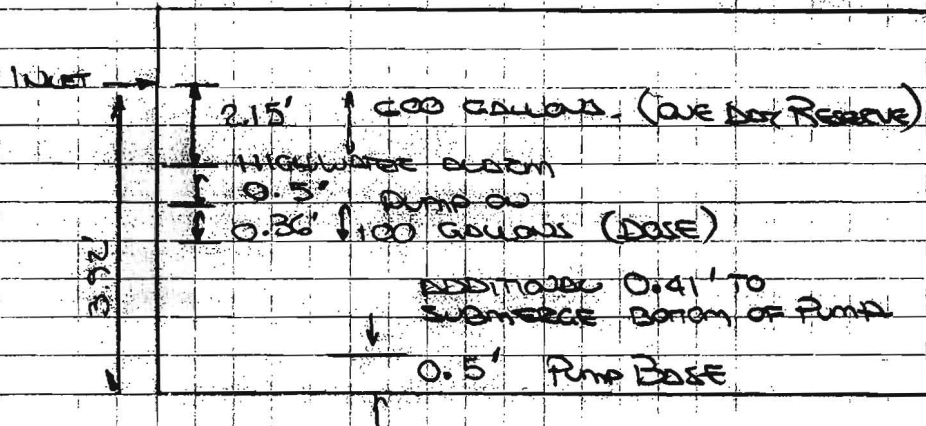


1,000 Gallon Pump Chamber.

OUTSIDE TO OUTSIDE DIM 8'-10" x 8'-3"

INSIDE TO INSIDE DIM 8'-10" x 4'-58"

INSIDE CROSS SECTIONAL AREA = 37.37 SF

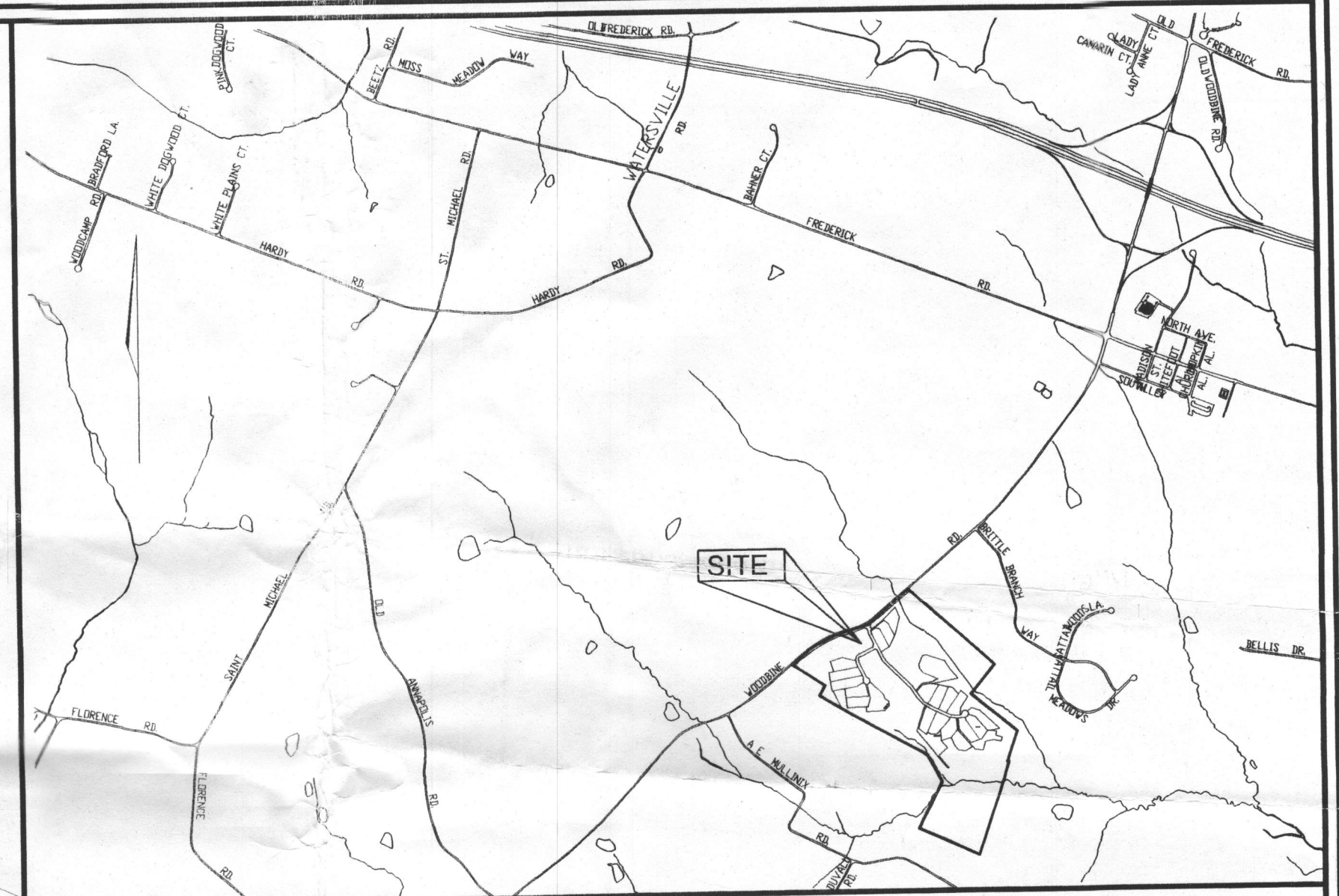


$$600 \text{ GALLONS} / 7.48 \text{ GA/FT}^3 = 80.21 \text{ FT}^3$$

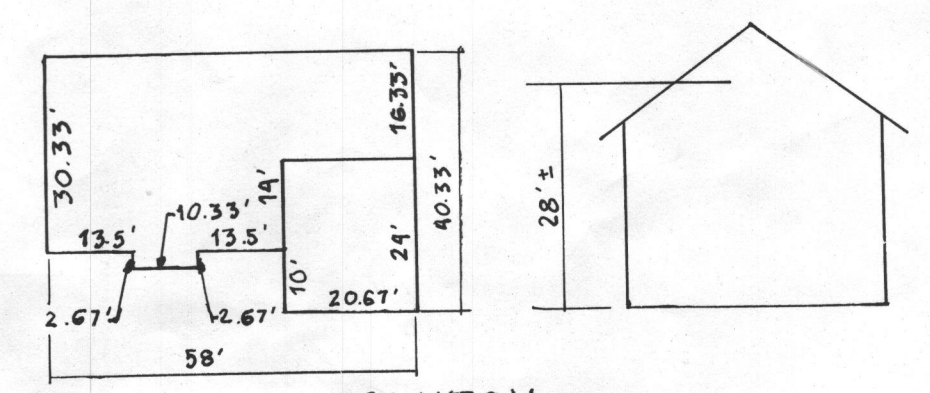
$$80.21 \text{ FT}^3 / 37.37 \text{ SF} = 2.15'$$

$$100 \text{ GALLONS} / 7.48 \text{ GA/FT}^3 = 13.37 \text{ FT}^3$$

$$13.37 \text{ FT}^3 / 37.37 \text{ SF} = 0.36'$$



VICINITY MAP
SCALE: 1"=2000'



TRENTON
1"=30'

THE EXISTING WELL SHOWN ON LOT 15
TAG NO. ~~10-95-012~~ HAS BEEN FIELD
LOCATED BY ROBERT H. VOGEL ENGINEERING, INC.

BUILDING OF LOT 15 FLOOR AREAS:
BASEMENT FLOOR AREA: _____
FIRST FLOOR AREA: _____
SECOND FLOOR AREA: _____

SWM FOR THESE LOTS IS PROVIDED BY AN EXISTING
EXTENDED DETENTION FACILITY UNDER F-05-170.

LEGEND	
---	EXISTING 2 FT CONTOUR
---	EXISTING 10 FT CONTOUR
---	LOD
---	LIMIT OF DISTURBANCE
---	SUPER SILT FENCE

BUILDING PERMIT NO. _____

GRADING AND SEDIMENT EROSION CONTROL PLAN THE CHASE AT STONEY BROOK PHASE II LOTS 2, 4, 7, 11 & 15

REF: S-01-21, P-05-001, F-05-170
ZONED: RC-DEO
TAX MAP: 7 BLOCK: 17
4TH ELECTION DISTRICT
PARCEL 133
HOWARD COUNTY, MARYLAND

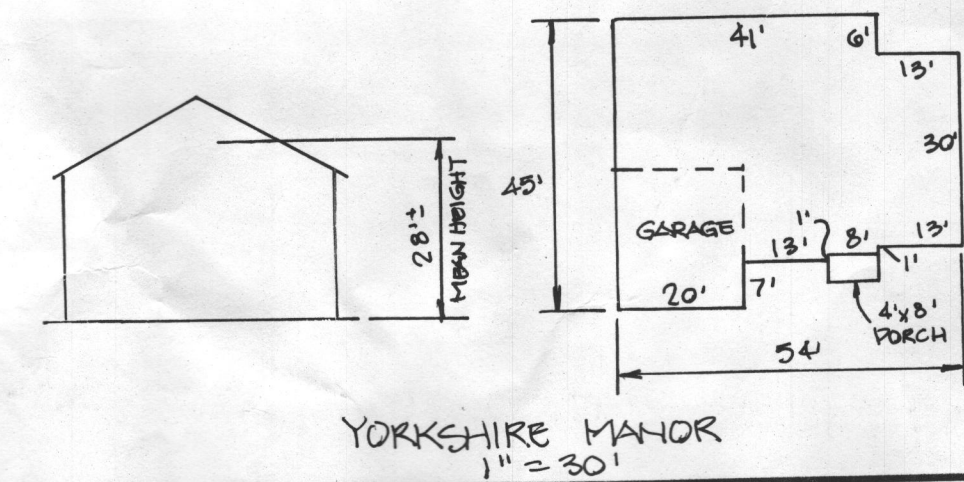
**ROBERT H. VOGEL
ENGINEERING, INC.**
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLICOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961

DESIGN BY: _____	RJ
DRAWN BY: _____	RJ
CHECKED BY: _____	RHV
DATE: _____	JANUARY 2007
SCALE: _____	1"=50'
W.O. NO. _____	06-34.00
1 SHEET OF 3	

OWNER /
DEVELOPER

TRINITY QUALITY HOMES, INC.
3675 PARK AVENUE, SUITE 301
ELLICOTT CITY, MARYLAND 21043
(410) 480-0023

PLAN
SCALE: 1"=50'



YORKSHIRE MANOR
1"=30'

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS <i>Jim Meyer</i> 7/6/07 DATE USDA-NATURAL RESOURCES CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT <i>John R. Rhoades</i> 7/6/07 DATE HOWARD SCD	ENGINEERS CERTIFICATE I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. <i>Robert H. Vogel</i> 7/6/07 DATE ROBERT H. VOGEL, PE #16193	DEVELOPER'S CERTIFICATE I/CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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. <i>Michael L. Pfau</i> 7/6/07 DATE MICHAEL L. PFAU
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