APPLICATION

PERCOLATION TESTING

A 59276

P _____

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

DISTRICT _____

DATE 12/19/97

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 Bruce A. Manger

ADDRESS 2719 St. Paul Street, Baltimore, MD 21218 PHONE 410-467-9700

PROSPECTIVE BUYER Heritage Land Development

ADDRESS 3243 Bethany Lane, Ellicott City, MD 21042 PHONE 410-313-8808

PROPERTY LOCATION:

SUBDIVISION Peacefields LOT NO 10

ROAD AND DESCRIPTION MD Route 97

TAX MAP 21 PARCEL # 63

SIZE OF LOT 1 Acre ± TYPE BLDG S. F. D.
(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 _____

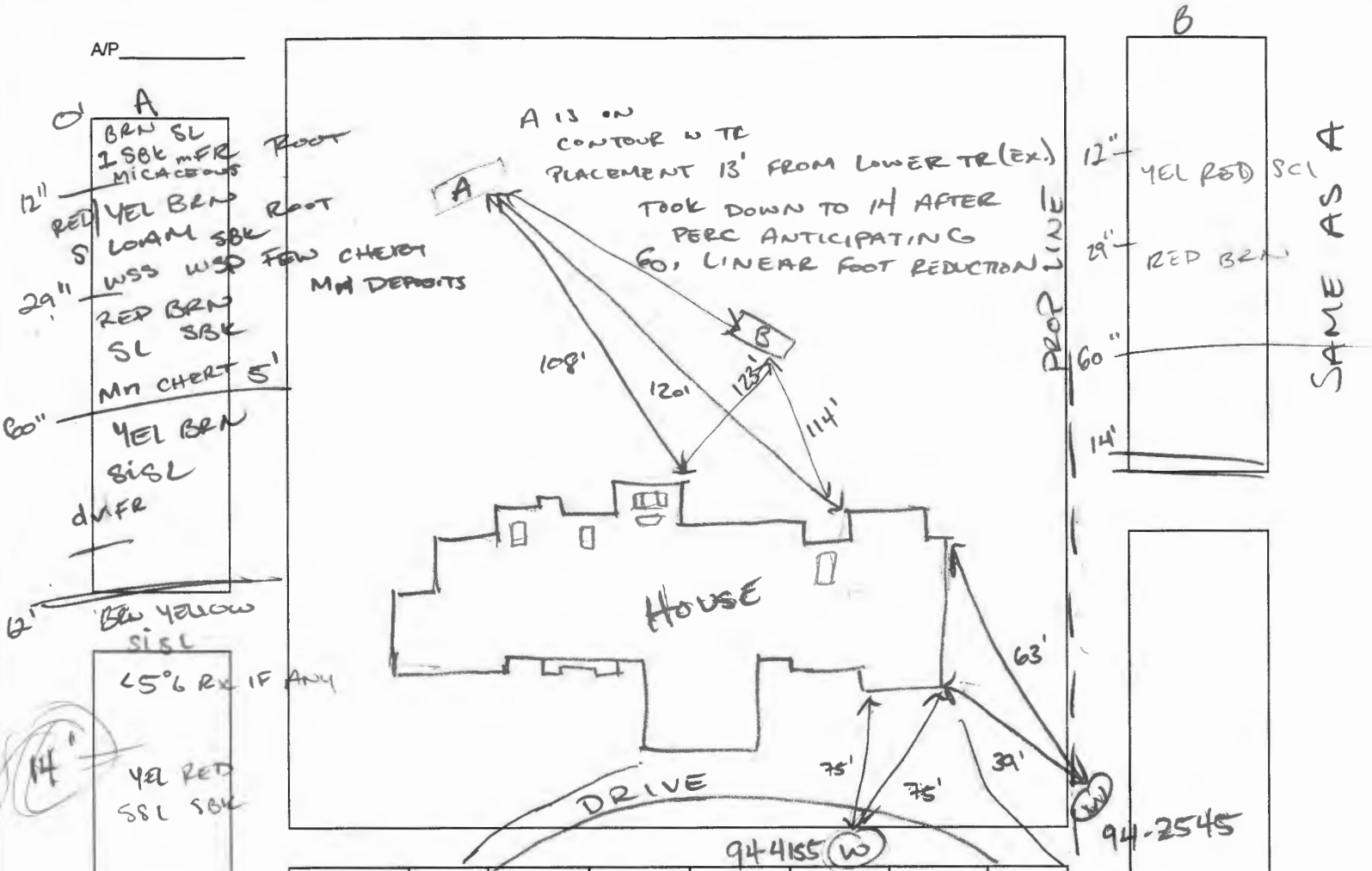
REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

OTHERS

A/P _____



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/10/2020	A	5/14	0:00	9:00	28:45	19:45	P
		4/12	RESHELFED - REFUSED				
12/10/2020	B	5/14	0:00	10:00	26:00	16:00	P

EX SYSTEM COMPLETELY SATURATED ALL 3 TR

REMARKS 60" CLENELG LOAM. NO SIGNS OF REDOX FEATURES

SANITARIAN CABAHUG 001997 BACKHOE HATFIELDS DONNIE OTHERS TODD

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR 6

TRENCH WIDTH 2' INLET DEPTH 4' MAX. BOT DEPTH 10' EFFECTIVE S/W 5'

$\frac{150 \cdot 6\,BL}{0.6} = 1500$

2'	750	5' SW .81	232.5'	
3'	500	.36	180	

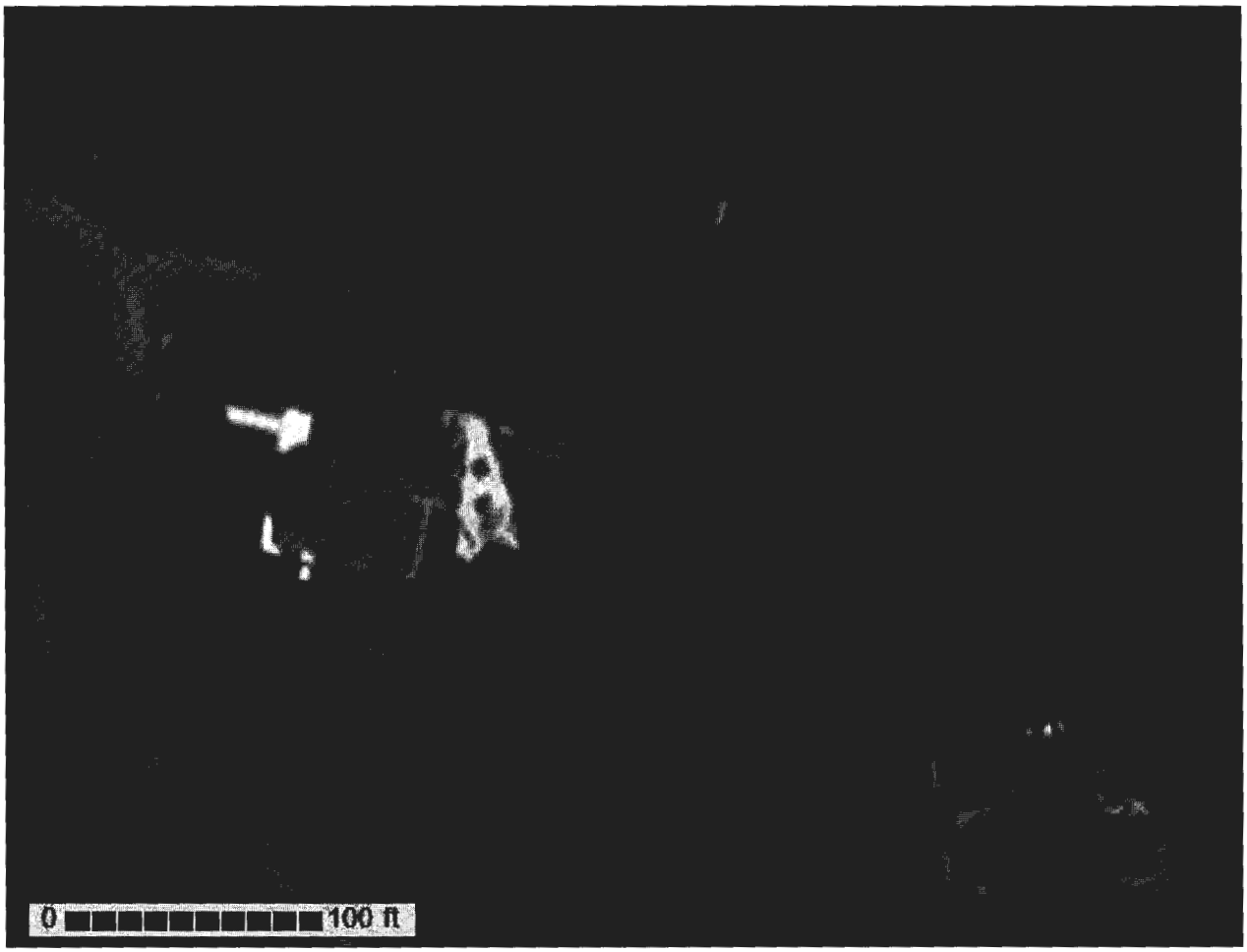
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

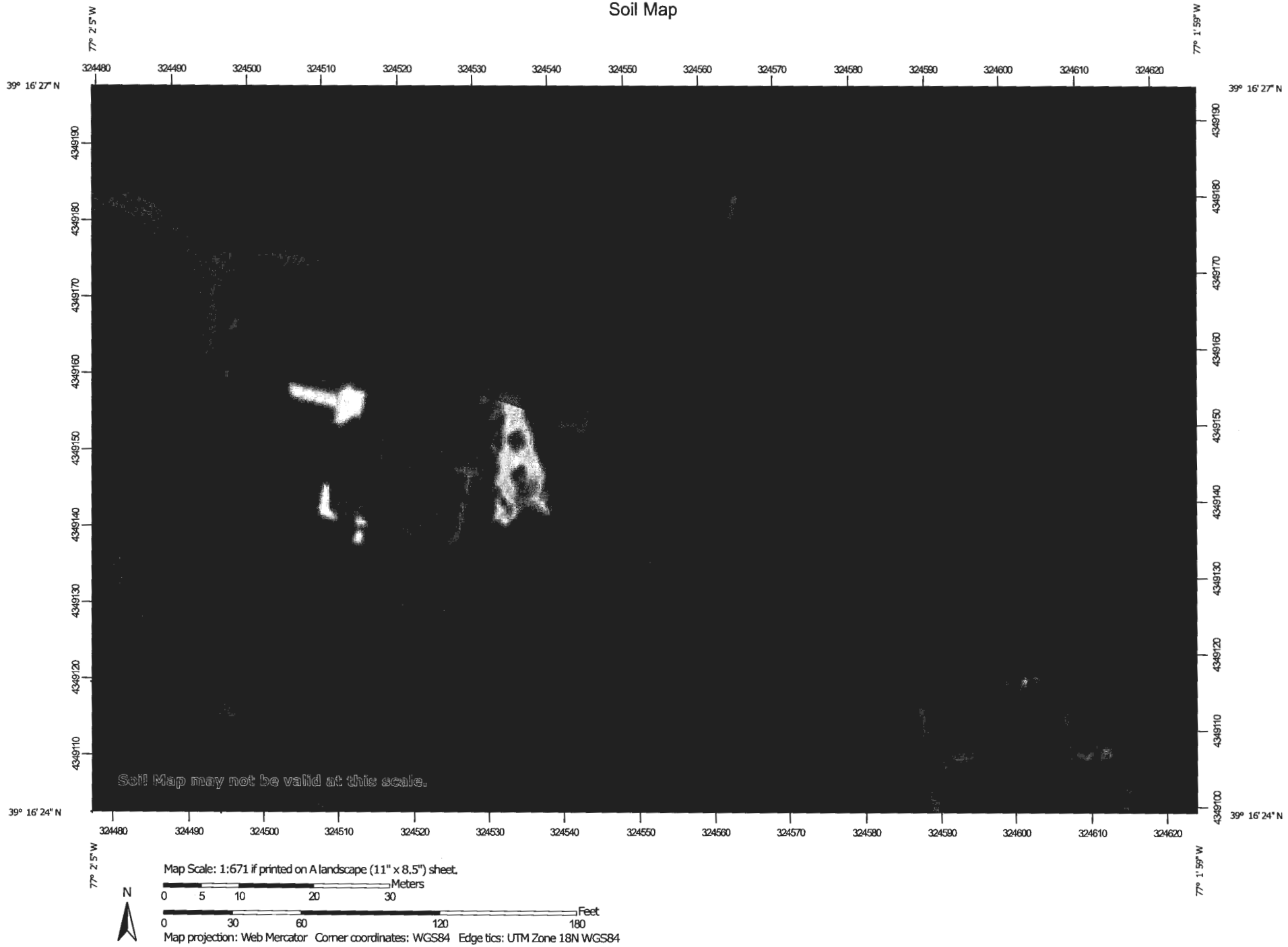
A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Howard County, Maryland



December 1, 2020

Soil Map


77° 2' 5" W
77° 1' 59" W
39° 16' 27" N
39° 16' 24" N
324480
324490
324500
324510
324520
324530
324540
324550
324560
324570
324580
324590
324600
324610
324620
4349190
4349180
4349170
4349160
4349150
4349140
4349130
4349120
4349110
4349100
Soil Map may not be valid at this scale.
Map Scale: 1:671 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0 5 10 20 30
Feet
0 30 60 120 180
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Howard County, Maryland
Survey Area Data: Version 15, Jun 12, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 3, 2015—Feb 22, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Howard County, Maryland

GaD—Gaila loam, 15 to 25 percent slopes

Map Unit Setting

National map unit symbol: vm2b
Elevation: 250 to 1,050 feet
Mean annual precipitation: 35 to 50 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 150 to 255 days
Farmland classification: Not prime farmland

Map Unit Composition

Gaila and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gaila

Setting

Landform: Hillslopes, ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Nose slope, interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from quartz muscovite schist

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 17 inches: loam
BC - 17 to 20 inches: loam
C - 20 to 76 inches: sandy loam

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Manor

Percent of map unit: 15 percent
Landform: Hillslopes, ridges

Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

GgA—Glenelg loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2w062
Elevation: 30 to 1,200 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 150 to 192 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Glenelg and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Glenelg

Setting

Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit, shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Convex, linear, concave
Parent material: Residuum weathered from mica schist

Typical profile

Ap1 - 0 to 6 inches: loam
Ap2 - 6 to 10 inches: clay loam
Bt1 - 10 to 18 inches: clay loam
Bt2 - 18 to 25 inches: clay loam
Bt3 - 25 to 30 inches: clay loam
BCt - 30 to 42 inches: loam
CBt - 42 to 54 inches: loam
C - 54 to 76 inches: very channery fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Frequency of ponding: None
Available water capacity: High (about 10.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Brinklow

Percent of map unit: 10 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Glenville

Percent of map unit: 5 percent
Landform: Swales, drainageways
Landform position (two-dimensional): Footslope, backslope
Landform position (three-dimensional): Head slope, interfluve, base slope
Down-slope shape: Linear, concave
Across-slope shape: Concave, linear
Hydric soil rating: No

GgB—Glenelg loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2v7gp
Elevation: 30 to 1,200 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 150 to 192 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Glenelg and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Glenelg

Setting

Landform: Interfluves, hillslopes
Landform position (two-dimensional): Summit, backslope, shoulder
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear

Across-slope shape: Convex, linear, concave
Parent material: Residuum weathered from mica schist

Typical profile

Ap1 - 0 to 6 inches: loam
Ap2 - 6 to 10 inches: clay loam
Bt1 - 10 to 18 inches: clay loam
Bt2 - 18 to 25 inches: clay loam
Bt3 - 25 to 30 inches: clay loam
BCt - 30 to 42 inches: loam
CBt - 42 to 54 inches: loam
C - 54 to 76 inches: channery fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Gaila

Percent of map unit: 10 percent
Landform: Hillslopes, ridges
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Glenville

Percent of map unit: 5 percent
Landform: Drainageways, swales
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

MaD—Manor loam, 15 to 25 percent slopes

Map Unit Setting

National map unit symbol: 2tmcg
Elevation: 250 to 1,000 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 150 to 192 days
Farmland classification: Not prime farmland

Map Unit Composition

Manor and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Manor

Setting

Landform: Hillslopes
Landform position (two-dimensional): Shoulder, backslope, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from mica schist

Typical profile

A1 - 0 to 2 inches: loam
A2 - 2 to 6 inches: sandy loam
Bw1 - 6 to 13 inches: fine sandy loam
Bw2 - 13 to 22 inches: fine sandy loam
C1 - 22 to 30 inches: fine sandy loam
C2 - 30 to 44 inches: channery coarse sand
C3 - 44 to 53 inches: loamy sand
C4 - 53 to 83 inches: channery loamy sand
Cr - 83 to 108 inches: bedrock
R - 108 to 138 inches: bedrock

Properties and qualities

Slope: 15 to 25 percent
Surface area covered with cobbles, stones or boulders: 0.0 percent
Depth to restrictive feature: 59 to 100 inches to paralithic bedrock; 100 to 128 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low (0.01 to 0.07 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Blocktown

Percent of map unit: 5 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

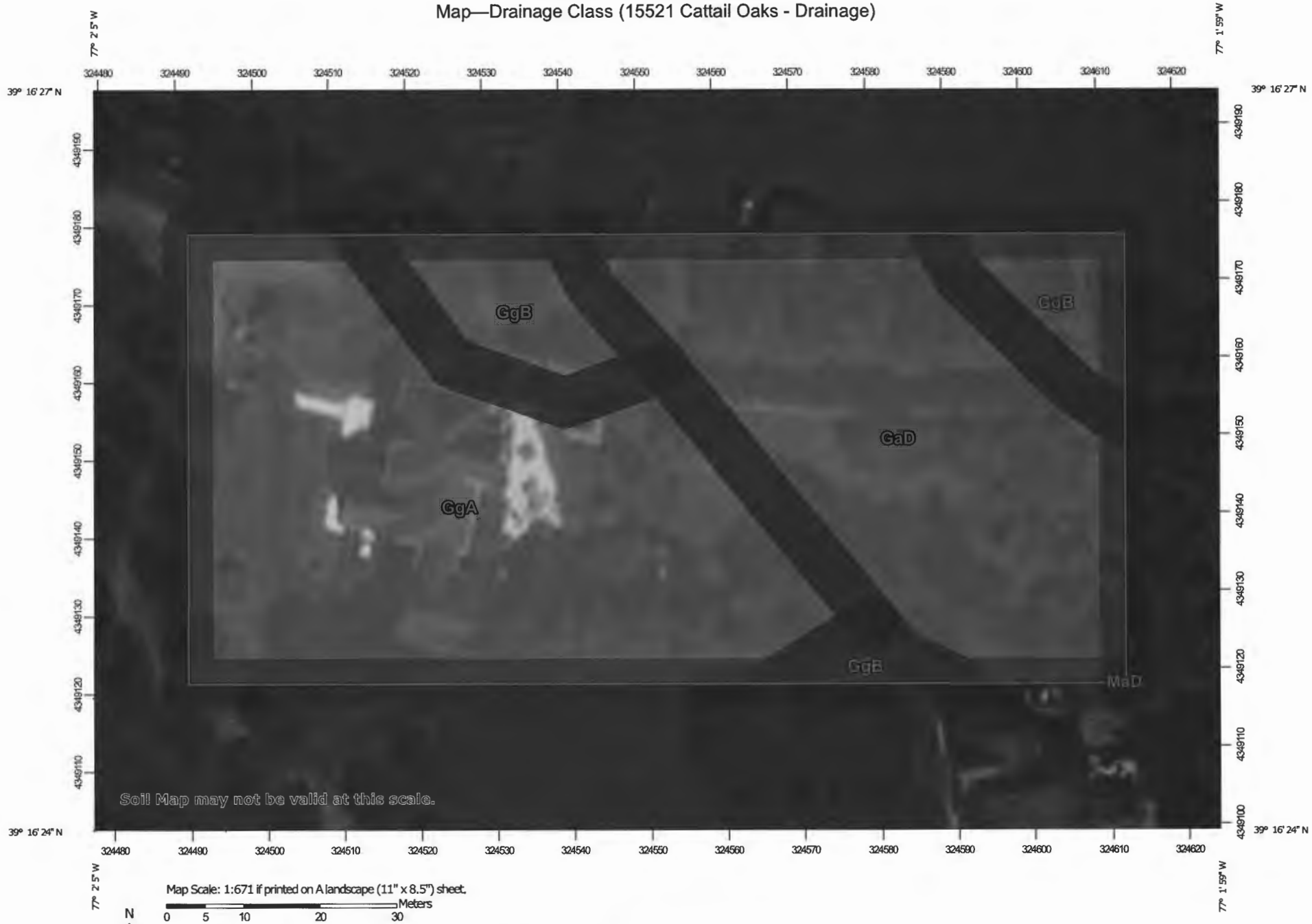
Glenville

Percent of map unit: 5 percent
Landform: Drainageways, swales
Landform position (two-dimensional): Footslope, backslope
Landform position (three-dimensional): Base slope, head slope, interfluve
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: No

Mt. airy

Percent of map unit: 5 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit, shoulder
Landform position (three-dimensional): Nose slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Map—Drainage Class (15521 Cattail Oaks - Drainage)



Map Scale: 1:671 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 5 10 20 30

Feet
0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Subaqueous
- Not rated or not available

Soil Rating Lines

- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Subaqueous
- Not rated or not available

Soil Rating Points

- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Subaqueous
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

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Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Table—Drainage Class (15521 Cattail Oaks - Drainage)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
GaD	Gaila loam, 15 to 25 percent slopes	Well drained	0.6	36.1%
GgA	Glenelg loam, 0 to 3 percent slopes	Well drained	0.9	50.6%
GgB	Glenelg loam, 3 to 8 percent slopes	Well drained	0.2	13.3%
MaD	Manor loam, 15 to 25 percent slopes	Well drained	0.0	0.0%
Totals for Area of Interest			**1.8**	**100.0%**

Rating Options—Drainage Class (15521 Cattail Oaks - Drainage)

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Physical Soil Properties–Howard County, Maryland														
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
GaD—Gaila loam, 15 to 25 percent slopes														
Gaila	0-8	5-35-52	28-52-85	5-13-20	1.40-1.45-1.55	4.00-9.00-14.00	0.06-0.14-0.20	0.0-1.5-2.9	0.5-0.5-1.0	.55	.55	5	3	86
	8-17	40-43-60	20-40-50	10-18-25	1.10-1.25-1.40	4.00-9.00-14.00	0.17-0.19-0.21	0.0-1.5-2.9	1.0-2.0-3.0	.37	.37			
	17-20	40-43-60	20-40-50	10-18-25	1.10-1.25-1.40	4.00-9.00-14.00	0.17-0.19-0.21	0.0-1.5-2.9	1.0-2.0-3.0	.37	.37			
	20-76	45-68-80	5-20-30	5-13-20	1.25-1.38-1.50	14.00-28.00-42.00	0.08-0.11-0.14	0.0-1.5-2.9	0.3-0.4-0.5	.24	.24			

Physical Soil Properties–Howard County, Maryland														
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
GgA—Glenelg loam, 0 to 3 percent slopes														
Glenelg	0-6	24-32-52	35-43-50	7-25-27	1.30-1.38-1.47	4.00-9.00-14.00	0.09-0.16-0.17	0.1-1.0-1.3	1.0-2.5-6.0	.24	.24	4	6	48
	6-10	10-29-52	35-44-68	7-27-30	1.43-1.46-1.50	4.00-12.00-14.00	0.09-0.17-0.17	0.2-2.2-2.9	0.8-2.0-4.0	.28	.28			
	10-18	10-26-40	27-46-63	20-29-35	1.47-1.52-1.56	1.40-9.00-14.00	0.10-0.20-0.22	0.6-2.5-3.7	0.1-0.1-0.5	.37	.37			
	18-25	24-27-65	12-46-50	7-28-35	1.54-1.56-1.59	1.40-9.00-14.00	0.10-0.20-0.22	0.2-2.3-3.7	0.0-0.1-0.3	.37	.37			
	25-30	24-29-65	10-43-47	7-28-35	1.54-1.62-1.70	1.40-9.00-14.00	0.10-0.17-0.23	0.2-2.5-3.7	0.0-0.1-0.2	.37	.37			
	30-42	10-42-52	28-34-65	7-25-30	1.51-1.53-1.55	4.00-12.00-14.00	0.05-0.21-0.23	0.1-1.7-2.8	0.0-0.1-0.1	.32	.32			
	42-54	30-38-83	10-38-50	7-24-25	1.60-1.62-1.64	4.00-12.00-14.00	0.05-0.21-0.23	0.1-1.6-1.9	0.0-0.0-0.1	.37	.37			
	54-76	50-68-75	20-28-35	1-4-15	1.58-1.60-1.61	4.00-28.00-42.00	0.01-0.06-0.14	0.0-0.0-0.7	0.0-0.0-0.1	.10	.43			

Physical Soil Properties–Howard County, Maryland														
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
GgB—Glenelg loam, 3 to 8 percent slopes														
Glenelg	0-6	24-32-52	35-43-50	7-25-27	1.30-1.38-1.47	4.00-9.00-14.00	0.14-0.19-0.24	0.2-1.0-1.4	1.0-2.5-6.0	.24	.24	5	6	48
	6-10	10-29-52	35-44-68	7-27-30	1.43-1.46-1.50	4.00-12.00-14.00	0.16-0.21-0.24	0.2-1.9-2.4	0.8-2.0-4.0	.28	.28			
	10-18	10-26-40	27-46-63	20-29-35	1.47-1.52-1.56	1.40-9.00-14.00	0.15-0.18-0.20	0.8-2.0-2.8	0.1-0.1-0.5	.37	.37			
	18-25	24-27-65	12-46-50	7-28-35	1.54-1.56-1.59	1.40-9.00-14.00	0.15-0.17-0.19	0.2-1.9-2.8	0.0-0.1-0.3	.37	.37			
	25-30	24-29-65	10-43-47	7-28-35	1.54-1.62-1.70	1.40-9.00-14.00	0.12-0.15-0.22	0.2-2.0-2.8	0.0-0.1-0.2	.37	.37			
	30-42	10-42-52	28-34-65	7-25-30	1.51-1.53-1.55	4.00-12.00-14.00	0.14-0.18-0.24	0.2-1.6-2.2	0.0-0.1-0.1	.32	.32			
	42-54	30-38-83	10-38-50	7-24-25	1.60-1.62-1.64	4.00-12.00-14.00	0.12-0.18-0.24	0.2-1.5-1.7	0.0-0.0-0.1	.37	.37			
	54-76	50-68-75	20-28-35	1-4-15	1.58-1.60-1.61	4.00-28.00-42.00	0.11-0.13-0.15	0.0-0.1-0.7	0.0-0.0-0.1	.20	.43			

COUNTY #

SOIL PROFILE

334

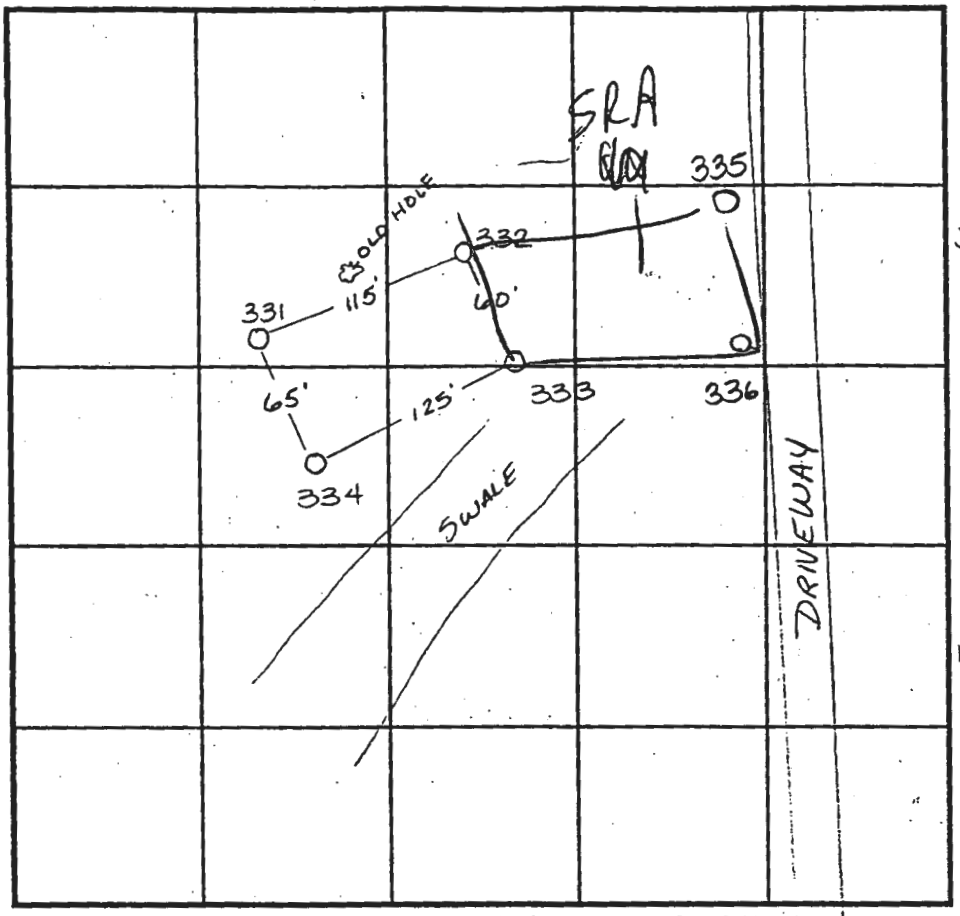
0'
dull orange brown clLm
3.0
lgt or tan powdery SiSaLm 5% Rx
.0

332

brn clLm
3.0
lgt orange tan SiLm
9.5
>50% Rx lgt or tan SaLm
10.0

331

no distinct clay layer lgt pink SiSaLm
8.5
>50% pockets of rock
10.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

333 335

0'
orange brown SiCLm
3.0
Pink SaSiLm 15% rock
12.0

336

dark red brn SiCLm
3.0
or tan SaLm friable sub & blocky dry <5% Rx
11.0

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
1-7-98	334	Visual	to 12.0	see profile	—		OK
	332	3.5 / V12.0	10:45	10:46	10:46	10:47	1min
	331	Visual	to 10.0	(collapsed @ 10.0)	—		OK
	333	3.0 / V12.0	10:56	10:57	10:57	10:59	2min
1-9-98	335	Visual	to 12.0	- see profile	—		OK
	336	3.5 / V11.0	12:42	12:48	12:48	12:54	6min

REMARKS old hole looks rocky

TYPE OF SOIL

TESTED BY Amy McMillen ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 3.0

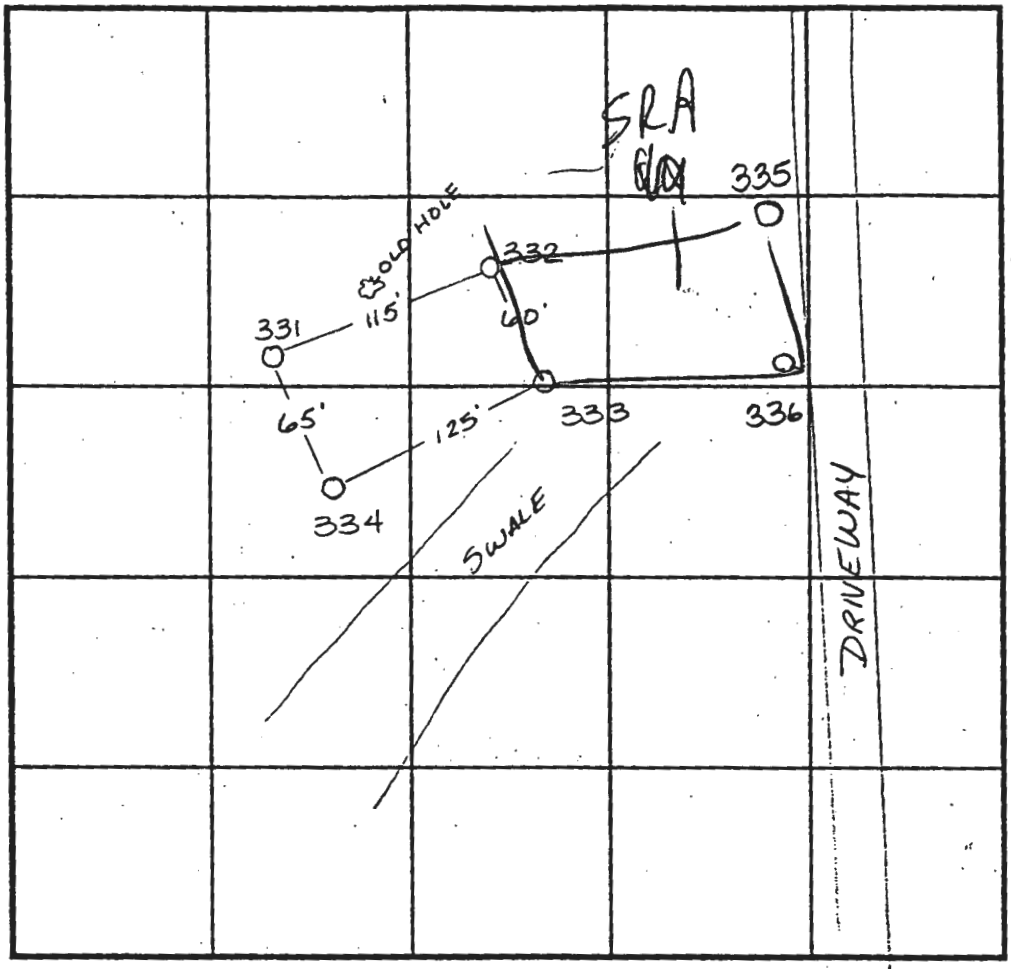
INLET DEPTH 2.5 MAXIMUM BOTTOM DEPTH 4.5 SQ. FT/BEDROOM 180 ☑

COUNTY #

SOIL PROFILE
334
dull orange brown clLm
lgt or tan powdery SiSaLm 5% Rx

332
brn clLm
lgt orange tan SiLm
>50% Rx lgt or tan SaLm

331
no distinct clay layer lgt pink SiSaLm
>50% pockets of rock



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
333 335
orange brown SiCLm
3.0
pink SaSiLm 15% rock
12.0

336
dark red brn SiCLm
3.0
or tan SaLm friable sub & blocky dry <5% Rx
11.0

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REMARKS old hole looks rocky

TYPE OF SOIL

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TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 3.0

INLET DEPTH 2.5 MAXIMUM BOTTOM DEPTH 4.5 SQ. FT/BEDROOM 180 ☑

Signed Perc Cert
11-6-98

Tim Feaga = FCC