

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 4/16/21 **ONSITE SEWAGE DISPOSAL SYSTEM** P _____

APPROVAL DATE: _____ **PERMIT:** **REPAIR** A 568865

PROPERTY ADDRESS: 3150 Stiles Way

SUBDIVISION: Twin Pines LOT: 6 TAX ID: _____

CONTRACTOR: Freedom Septic EMAIL: christy@freedomseptic.com

CONTRACTOR ADDRESS: 2809 Liberty Rd, Sykesville MD 21784 PHONE: 410-795-2947

PROPERTY OWNER: Abdul and Ayesha Mir EMAIL: Ayeshaasimmir227@hotmail.com

OWNER ADDRESS: 3150 Stiles Way, West Friendship MD 21794 PHONE: 301-728-2497

SEPTIC TANK SIZE (GALLONS): 1250 PUMP CHAMBER CAPACITY (GALLONS): n/a PUMP SIZE: n/a

NUMBER OF BEDROOMS: 6 HOUSE SQ. FT. 4378 APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>117</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>9</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install 2x70' trenches below existing trench on left side to use up available SDA area. Keep bottom level on lowest trench.	

ISSUED BY: Susan Thomas ISSUE DATE: 5/17/21 EXPIRATION DATE: 5/17/22

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRAIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E _____
- NOTE: THE HCHD DOES NOT WARRANT ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.
CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH _____ INLET _____ BOTTOM _____
NUMBER OF TRENCHES _____
TOTAL LENGTH _____
ABSORPTION AREA _____
DISTRIBUTION BOX LEVEL _____
DISTRIBUTION BOX BAFFLE _____
DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

PUMP/SEPTIC TANK LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

ROAD NAME

PRE-CONSTRUCTION:

INSTALLATION:

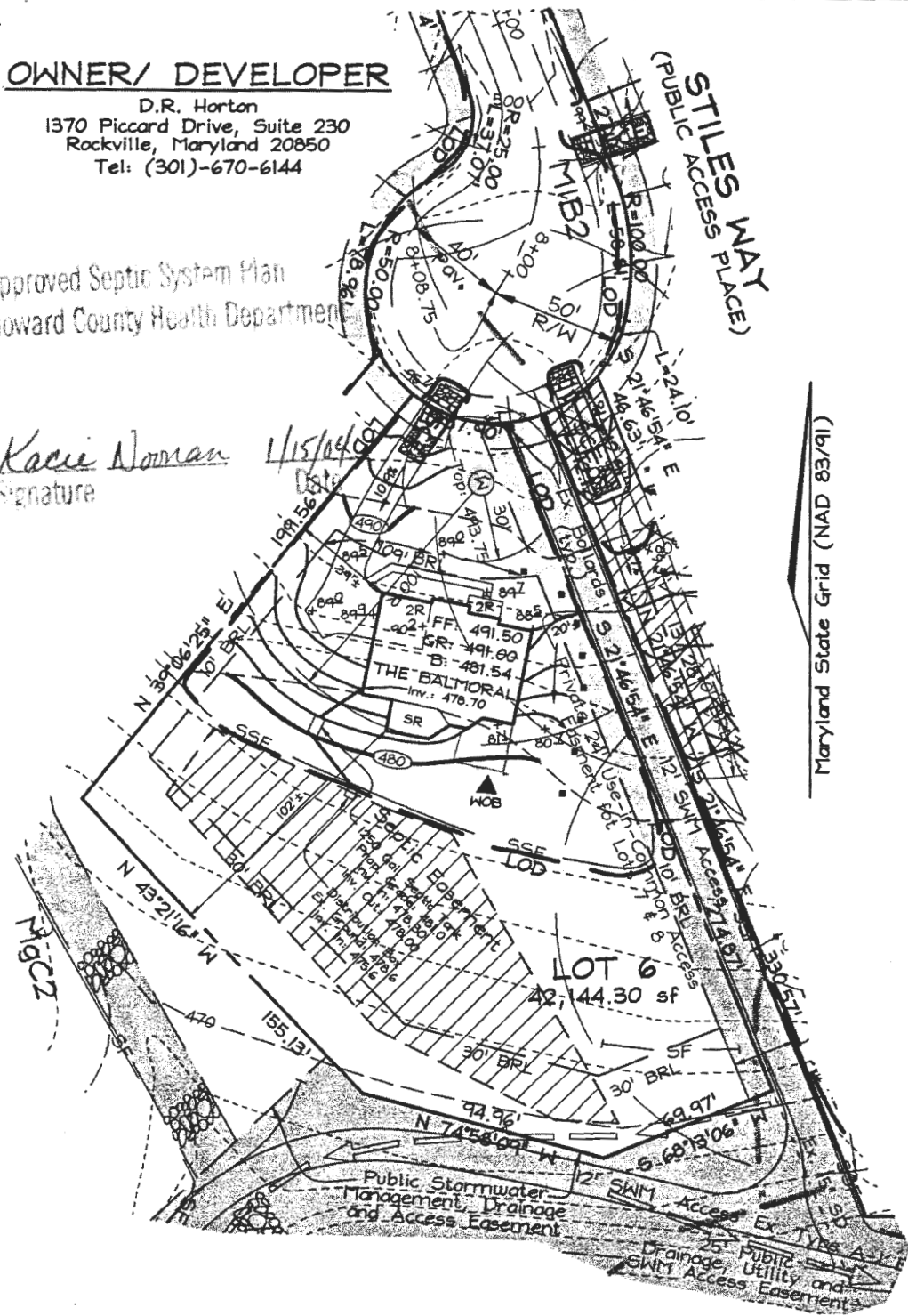
FINAL INSPECTOR _____, DATE OF APPROVAL _____

OWNER/ DEVELOPER

D.R. Horton
 1370 Piccard Drive, Suite 230
 Rockville, Maryland 20850
 Tel: (301)-670-6144

Approved Septic System Plan
 Howard County Health Department

Kacie Norman
 Signature



FSH Associates

Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@ca.com

- Note: 1. See Approved Grading Plan GP-04-47 for Entire Site.
 2. The existing well shown on this plan (identified with the attached well tag number: HO-94-3640) has been field located by C. B. Miller professional surveyor and is accurately shown.

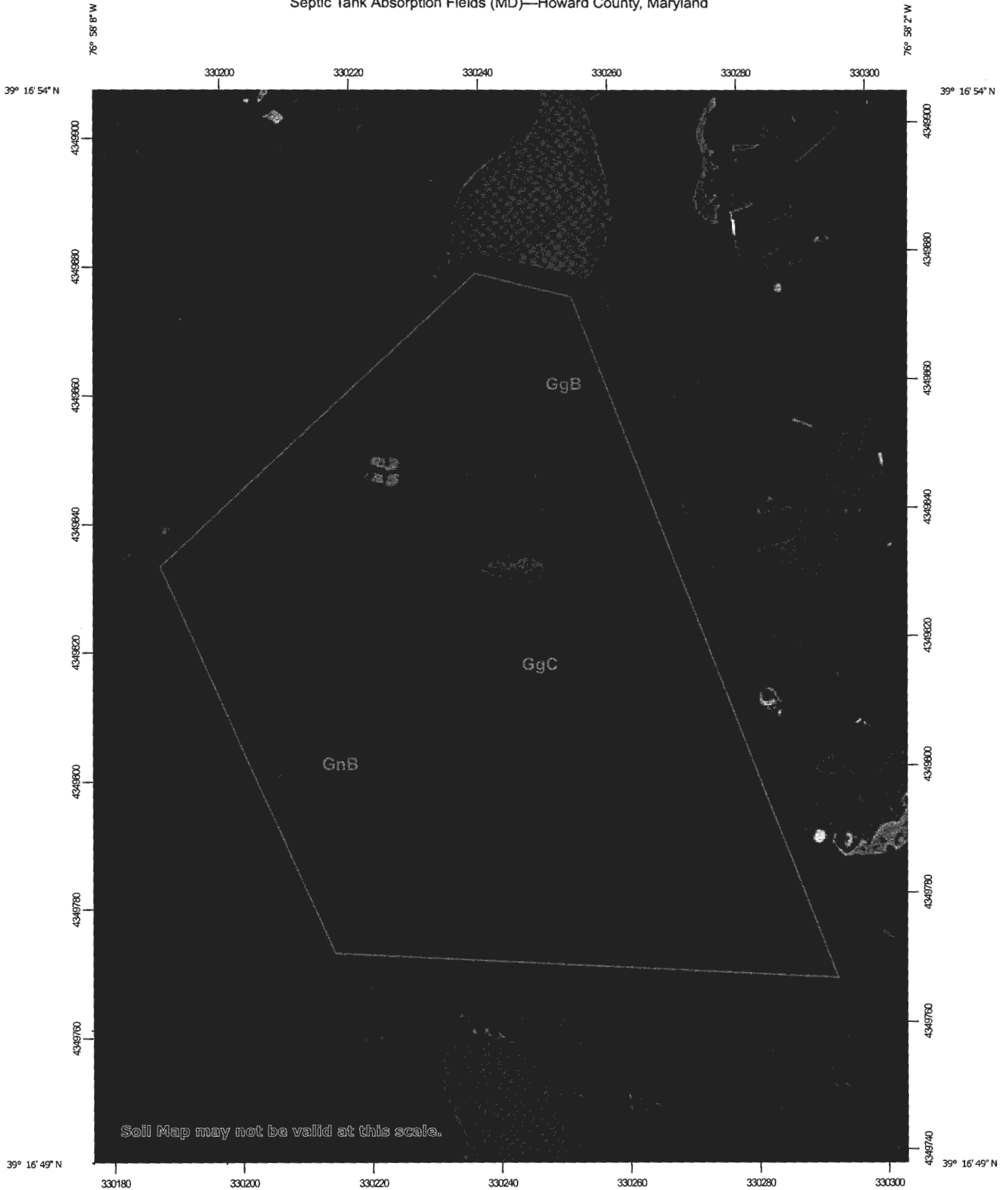
DESIGN BY: PS
 DRAWN BY: Slim
 CHECKED BY: ZYF
 SCALE: 1"=50'
 DATE: Jan. 14, 2004
 W.O. No.: 3211
 SHEET No.: 1 OF 1

**LOT RESITE
 LOT 6
 TWIN PINES**

TAX MAP 22, GRID B
 3RD ELECTION DISTRICT

PARCEL 17
 HOWARD COUNTY, MARYLAND

Septic Tank Absorption Fields (MD)—Howard County, Maryland

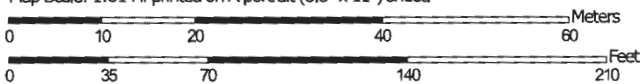


Soil Map may not be valid at this scale.

76° 58' 8\"/>



Map Scale: 1:814 if printed on A portrait (8.5" x 11") sheet.



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























Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/14/2021
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MAP LEGEND

- Area of Interest (AOI)**
 Area of Interest (AOI)
- Background**
 Aerial Photography
- Soils**
- Soil Rating Polygons**
-  Very limited
 -  Somewhat limited
 -  Not limited
 -  Not rated or not available
- Soil Rating Lines**
-  Very limited
 -  Somewhat limited
 -  Not limited
 -  Not rated or not available
- Soil Rating Points**
-  Very limited
 -  Somewhat limited
 -  Not limited
 -  Not rated or not available
- Water Features**
-  Streams and Canals
- Transportation**
-  Rails
 -  Interstate Highways
 -  US Routes
 -  Major Roads
 -  Local Roads

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.

Septic Tank Absorption Fields (MD)

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
GgB	Glenelg loam, 3 to 8 percent slopes	Very limited	Glenelg (85%)	Restricted permeability (1.00)	0.1	5.9%
			Glenville (5%)	Depth to saturated zone (1.00)		
				Restricted permeability (1.00)		
GgC	Glenelg loam, 8 to 15 percent slopes	Very limited	Glenelg (90%)	Restricted permeability (1.00)	1.2	68.4%
				Slope (0.63)		
			Brinklow (10%)	Depth to bedrock (1.00)		
				Restricted permeability (1.00)		
GnB	Glenville-Baile silt loams, 0 to 8 percent slopes	Very limited	Glenville (50%)	Depth to saturated zone (1.00)	0.4	25.8%
				Depth to cemented pan (1.00)		
				Restricted permeability (1.00)		
			Baile (35%)	Depth to saturated zone (1.00)		
				Ponding (1.00)		
			Glenelg (15%)	Restricted permeability (1.00)		
				Restricted permeability (1.00)		
Totals for Area of Interest					1.7	100.0%

Rating	Acres in AOI	Percent of AOI
Very limited	1.7	100.0%

Rating	Acres in AOI	Percent of AOI
Totals for Area of Interest	1.7	100.0%

Description

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. The soil between depths of 0 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen, which is displayed on the report. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the Selected Soil Interpretations report with this interpretation included from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

The Maryland version of this interpretation differs from the national version as follows:

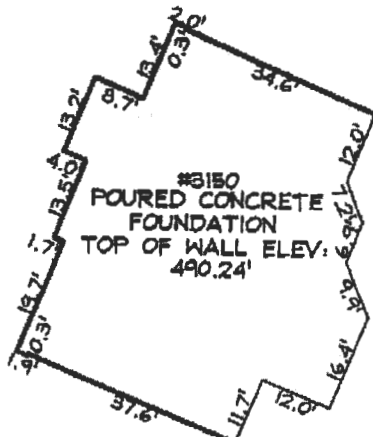
1. Soils in Maryland are evaluated from 0-60 inches, instead of 24 to 60 inches.
2. Evaluation of minimum Ksat is from 24" to 60".
3. Restriction limits are < 4.0 and > 14.0 $\mu\text{m s}^{-1}$.
4. Unstable Fill is removed from the criteria related to reclamation material.
5. Seepage, Bottom Layer, Not Aridic are removed from the criteria.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

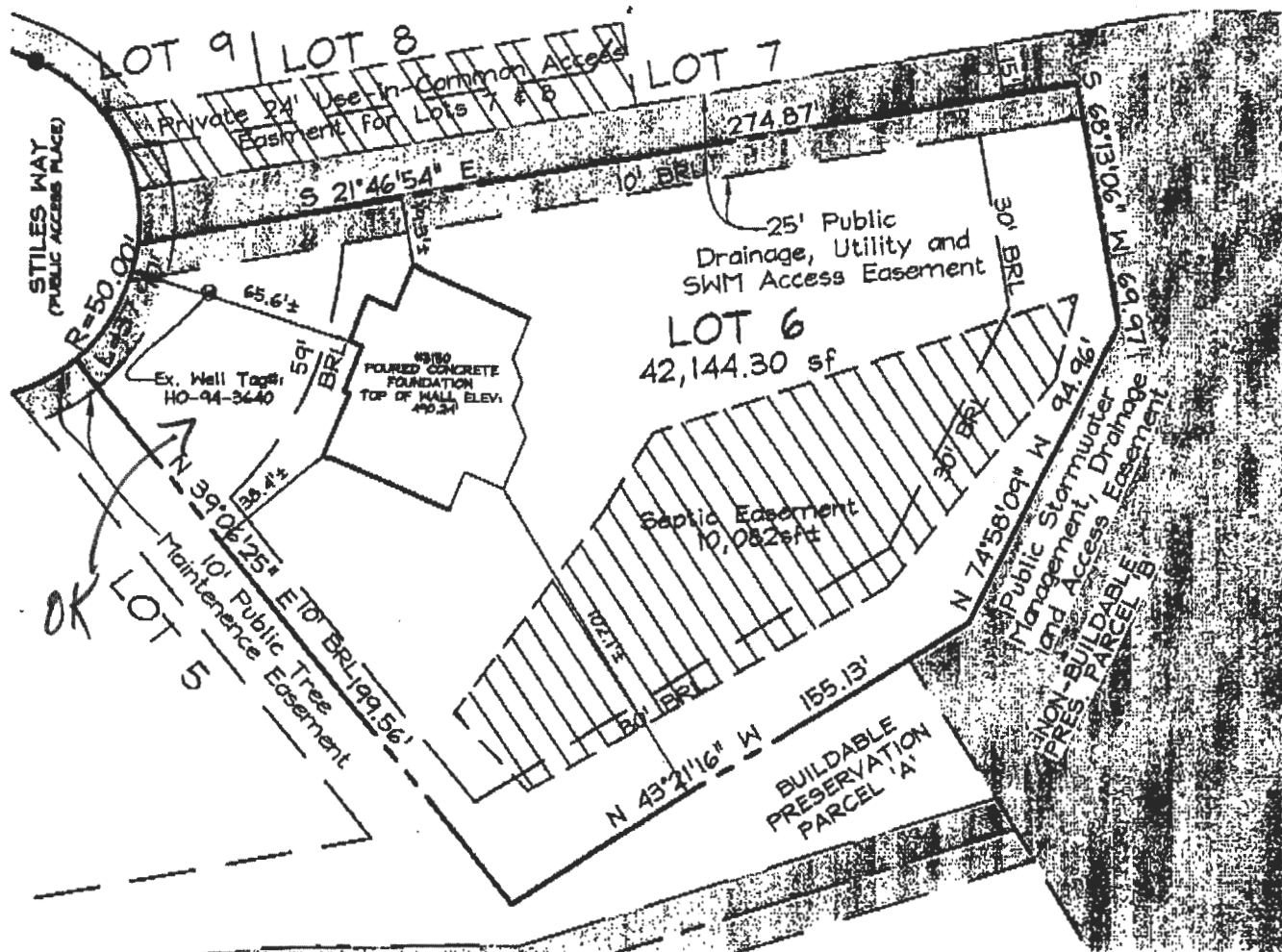


FOUNDATION DETAIL
SCALE: 1"=30'

Maryland State Grid (NAD 83/91)

6/30/04
Wall Check

OK
KN TO scale



20' Private Drainage and Utility Easement

PLAN VIEW
SCALE: 1"=50'

LEGEND

- | | | | |
|------|--------------|-----|---------------------|
| F/P | = FIREPLACE | O/H | OVERHANG |
| B/W | = BAY WINDOW | H/P | HEAT PUMP/AIR COND. |
| D/W | = DRIVEWAY | G/M | GAS METER |
| CONC | = CONCRETE | E/M | ELECTRIC METER |
- DIMENSIONS LABELED ± ARE WITHIN 0,1'

ADDRESS No.: 3150 STILES WAY
TOP OF WALL ELEV. = 490.24' FIRST FLOOR ELEV. = N/A
THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING.

THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- _____ P- _____

RESIDENTIAL PERMIT

(NUMBER OF BEDROOMS: _____)

COMMERCIAL PERMIT

(DESIGN FLOW: _____ GPD)

PERMITEE: _____

LOCATION: _____

3150 Styles Way Twin Pines Lot 6

****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING

Inspector

Date

WORK IS SATISFACTORY, OK TO CONTINUE

Inspector

Date

COMMENTS: _____

FINAL INSPECTION MADE, OK TO COVER ALL WORK

Inspector

Date