

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_

INSP 2 8/19/2014 INSP 5 \_\_\_\_\_

INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: \_\_\_\_\_

# PERMIT

P \_\_\_\_\_

APPROVAL DATE: 9/26/2014

A \_\_\_\_\_

## ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

IS PERMITTED TO INSTALL ☒ ALTER ☒

ADDRESS: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

SUBDIVISION: \_\_\_\_\_ LOT NUMBER: 5

ADDRESS: 11348 Willow Ridge Lane PROPERTY OWNER: \_\_\_\_\_

SEPTIC TANK CAPACITY (GALLONS): \_\_\_\_\_ OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED ☐

NUMBER OF BEDROOMS: \_\_\_\_\_

SQUARE FEET PER BEDROOM: \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED: \_\_\_\_\_

TRENCHES:	Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.
LOCATION:	
NOTES:	

PLANS APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

NOTE: PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

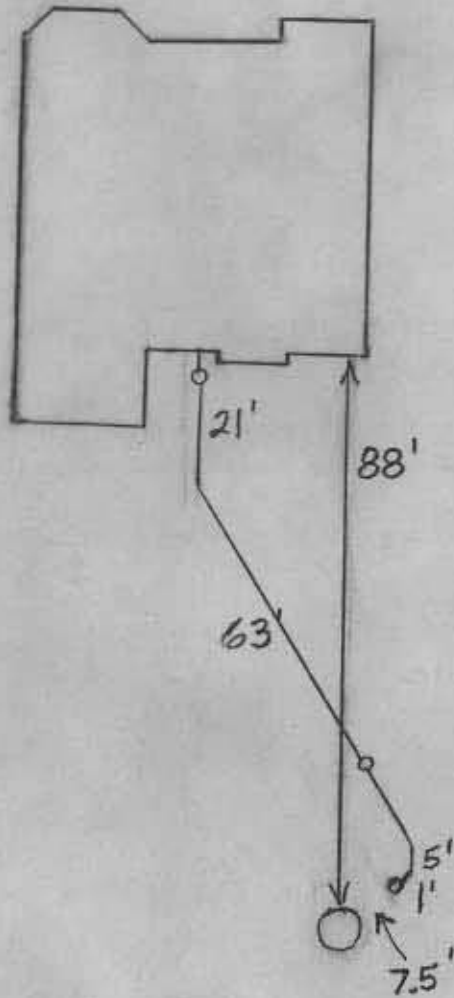
NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

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 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

NOT TO SCALE



ROAD NAME

**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 \_\_\_\_\_

PRE-CONSTRUCTION:

INSTALLATION: 8/19/2014 Connection made from house to grinder pump. BB  
9/26/2014 System approved by utilities. (BB)

FINAL INSPECTOR B. Baber DATE OF APPROVAL 9/26/2014

# SEPTIC SPECIFICATIONS WORKSHEET

Subdivision Willow Ridge A         
 Street Name 11348 Willow Ridge Lane Lot Number 5  
 Average Percolation Rate (min./in.) 5 min./inch Application Rate (GPD/sq. ft.)         
 Number of Bedrooms 5 Design Flow (#BRx150) = 750  
 Square Footage (of House) 6777 Septic Tank Capacity (gal.)         
 Sidewall Credit / % Reduction        feet /        % Total Length of Trench (ft.)       

\*All Septic/Pump tanks must be top seamed unless otherwise approved by this agency.

\*All Septic tanks must be compartmented unless otherwise approved by this agency.

Baffle Filter Required? Yes No

TRENCH DIMENSIONS: Trench to        feet wide. Inlet is at        feet below original grade with        feet of stone below the distribution pipe. Bottom maximum depth is        feet below original grade. Effective sidewall begins at        feet below original grade. Maintain at least        feet spacing between trenches.

PUMP SYSTEM PROPOSED? YES NO

Pump system details:        gallon pump chamber

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test required prior to Health Department approval of pumped septic system.

LOCATION: \* Shared system connection  
Install cleanout in stc at grinder pit.  
 1. Set septic tank connection  
 2. Set distribution box stc pipe must be thick  
 3. Install trenches on contour enough to withstand  
up to 8 feet of soil cover.

ADDITIONAL NOTES Do not order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

Reviewed by: R. Buckner

Date: 1/13/14

## **Baker, Brian**

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**From:** Baucom, Scott  
**Sent:** Friday, September 26, 2014 2:17 PM  
**To:** Day, Lori; Wolf, Kevin  
**Cc:** Hart, Amy; Rocco, Anthony; Tudor, Matt; Baker, Brian; Martin, Sharhonda; Williams, Jeffrey; Bozzell, Duane  
**Subject:** U&O Release 11348 Willow Ridge Ln.

On the morning of September 26th, Scott Baucom observed the start-up of a Sewage Grinder Pump at the Willow Ridge Shared Septic System:

Willow Ridge Shared Septic, Contract 54-4301-D  
Classic Homes, Lot 5  
11348 Willow Ridge Ln.  
Ellicott City, MD 21042

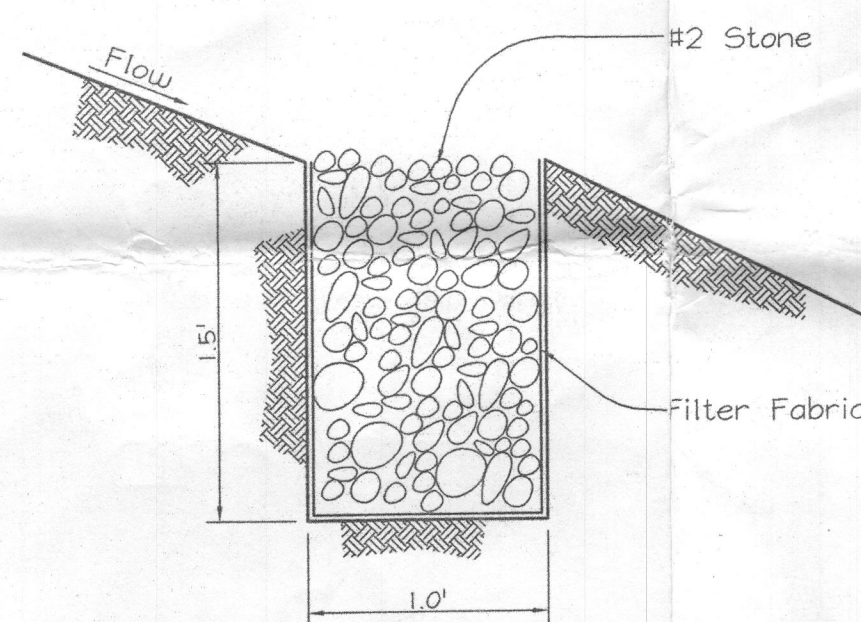
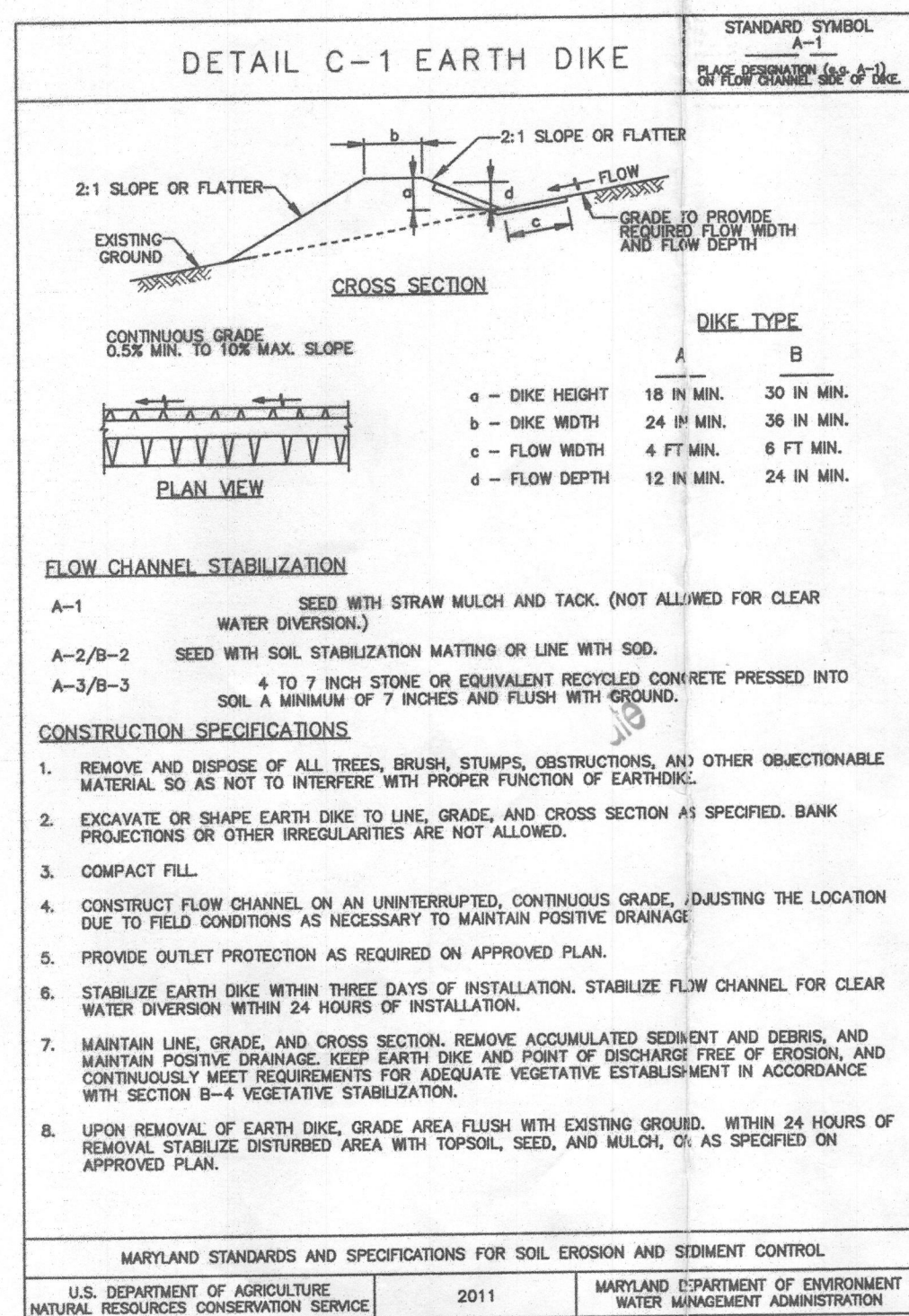
The Sewage Grinder Pump test was successful ; the Bureau of Utilities releases its hold on this property for U&O.

Scott Baucom  
Operations Supervisor I  
Howard County DPW, Bureau of Utilities  
8270 Old Montgomery Rd.  
Columbia, MD 21045  
Office (410) 313-4975  
FAX (410) 313-4989





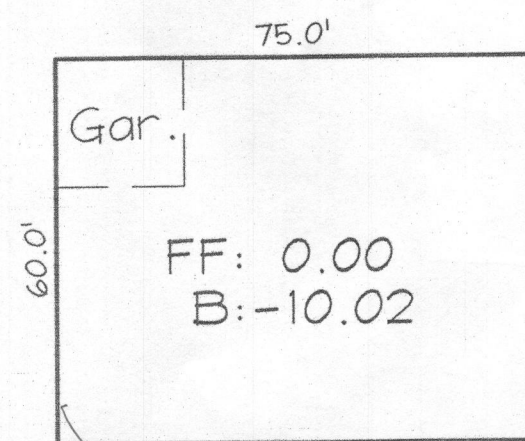




TYPICAL LEVEL SPREADER

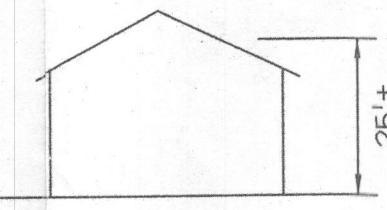
NOT TO SCALE

See plan for level spreader lengths



HOUSE PLAN

SCALE: 1" = 30'



SCHEMATIC ELEVATION

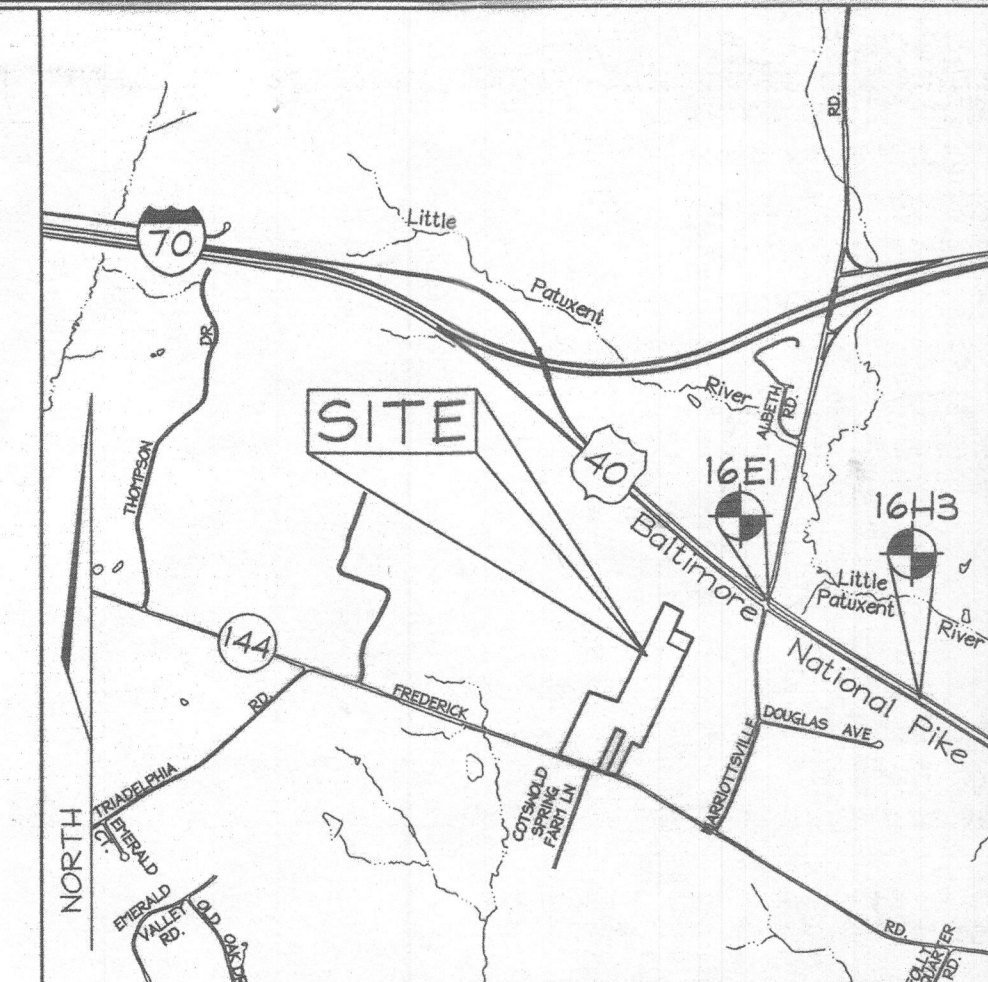
NOT TO SCALE

Permanent Seeding Summary

No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depth	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Lime Rate
6	Tall Fescue	40	3/1 - 5/15	1/4 - 1/2 in	45 pounds per acre (1.0 lb/1000 sf)	90 lb/ac (2 lb/1000 sf)	90 lb/ac (2 lb/1000 sf)	2 tons/ac (90 lb/1000 sf)
	Perennial Ryegrass	25	3/1 - 5/15	1/4 - 1/2 in				
	White Clover	5	3/1 - 5/15	1/4 - 1/2 in				

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
MqC2	Minor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MID3	Minor loam, 15 to 25 percent slopes, severely eroded	B

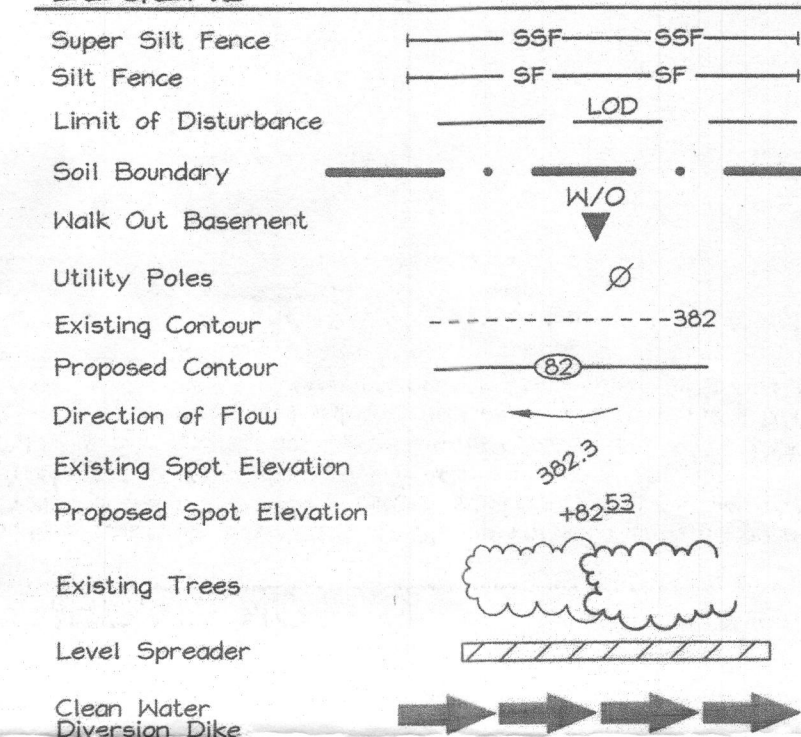


GEODETIC CONTROL STATIONS

Coordinates based on NAD'83, Maryland coordinate system as projected by Howard County geodetic control stations no. 16E1 and no. 16H3 denotes approximate location (see vicinity map).

Sta. 16E1 N 593,250.9638 E 1,340,192.7010 El.: 463.893  
Sta. 16H3 N 592,408.0425 E 1,341,523.9677 El.: 469.712

LEGEND



GENERAL NOTES

- This property is zoned "RR-DEO" per the 02/02/04 Comprehensive Zoning Plan and the Comp. Use Zoning Regulations Amendments effective 07/28/06.
- Total area of property = 0.917 Acs.
- Public water and public shared septic system will serve this lot.
- On-site topography and existing utilities based on a Field Run Topographic Survey prepared by FSH Associates in July, 2003 with two foot contours.
- A stockpile will not be permitted on site.
- Per F-05-050 approved Final plans, Stormwater Management is provided by sheet flow to buffer via level spreaders.
- No section of super silt fence is to exceed 50' in length before curling into the LOD.

SEQUENCE OF CONSTRUCTION

- Obtain grading permit. (3 weeks)
- Notify Howard County Department of Inspections, License and Permits at (410) 313-1880 at least 48 hours before starting any work.
- Install Stabilized Construction Entrance, Clean Water Diversion Dike, Silt Fence and/or Super Silt Fence. (2 days)
- After receiving permission from the sediment control inspector, rough grade site and begin building construction. (1 week)
- Construct driveway and finish building construction. (4 months)
- Fine grade and permanently stabilize site. (3 days)
- Upon stabilization of all disturbed areas and with the permission of the Sediment Control Inspector, remove all sediment control measures and stabilize any remaining disturbed area.

BUILDER

CLASSIC HOMES  
50 W. Edmondston Drive, Suite 405  
Rockville, Maryland 20852  
301.256.4110

PLOT PLAN

Rev 0

WILLOW RIDGE  
LOT 5

Plat #22030-22033

TAX MAP 16 GRID 15  
3RD ELECTION DISTRICT

PARCELS 89, 91 & 201  
HOWARD COUNTY, MARYLAND



FSH Associates  
Engineers Planners Surveyors  
6339 Howard Lane, Elkridge, MD 21075  
Tel: 410-567-5200 Fax: 410-796-1562  
E-mail: info@sheri.com

DESIGN BY: CRH2  
DRAWN BY: CRH2  
CHECKED BY: ZYF  
SCALE: 1" = 20'  
DATE: April 23, 2013  
W.O. No.: 3033  
SHEET No.: 1 OF 2

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.

Zacharia Y. Fisch  
SIGNATURE OF ENGINEER  
ZACHARIA Y. FISCH, P.E.

4/23/13  
DATE

DEVELOPERS CERTIFICATE

"I/WE 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.

SIGNATURE OF DEVELOPER

4/23/13  
DATE

HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

John R. Roberts  
HOWARD SCD

4/23/13  
DATE

PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 07/29/2013.