

LAYOUT _____ INSP 4 _____

INSP 2 _____ INSP 5 _____

INSP 3 _____ INSP 6 _____

ISSUE DATE: 7-14-05

PERMIT
INDEXED

P 522936

APPROVAL DATE: 9-9-05

A 56366A

TAX ID #05-427053

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

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Rd., Sykesville 21784 PHONE NUMBER: 410-795-5670

SUBDIVISION: Van't Hoff Property LOT NUMBER: 2

ADDRESS: 6547 Paper Place PROPERTY OWNER: Greenfield Homes, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 175 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box in the highest elevation of the approved SDA.
NOTES:	Place the first system lower in elevation than the well on Van't Hoff Property if downslope.

PLANS APPROVED: Kevin J. Bell Reviewed by: KJR DATE: 3/25/05

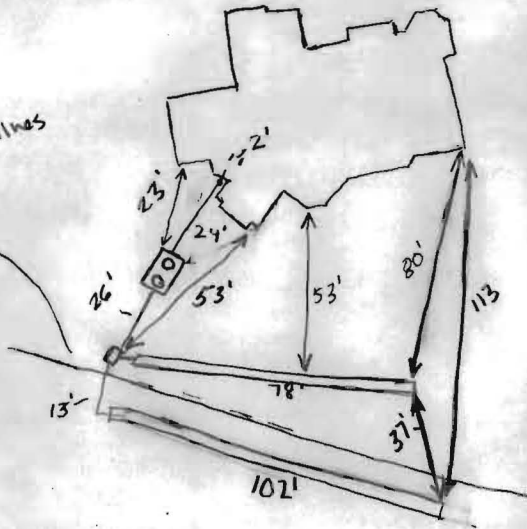
NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

P522936

NOT TO SCALE

Electric Line
Cable, Phone Lines



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	6
NUMBER OF TRENCHES		2
TOTAL LENGTH		180
ABSORPTION AREA		540SF + SW
DISTRIBUTION BOX LEVEL		levelers
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		No

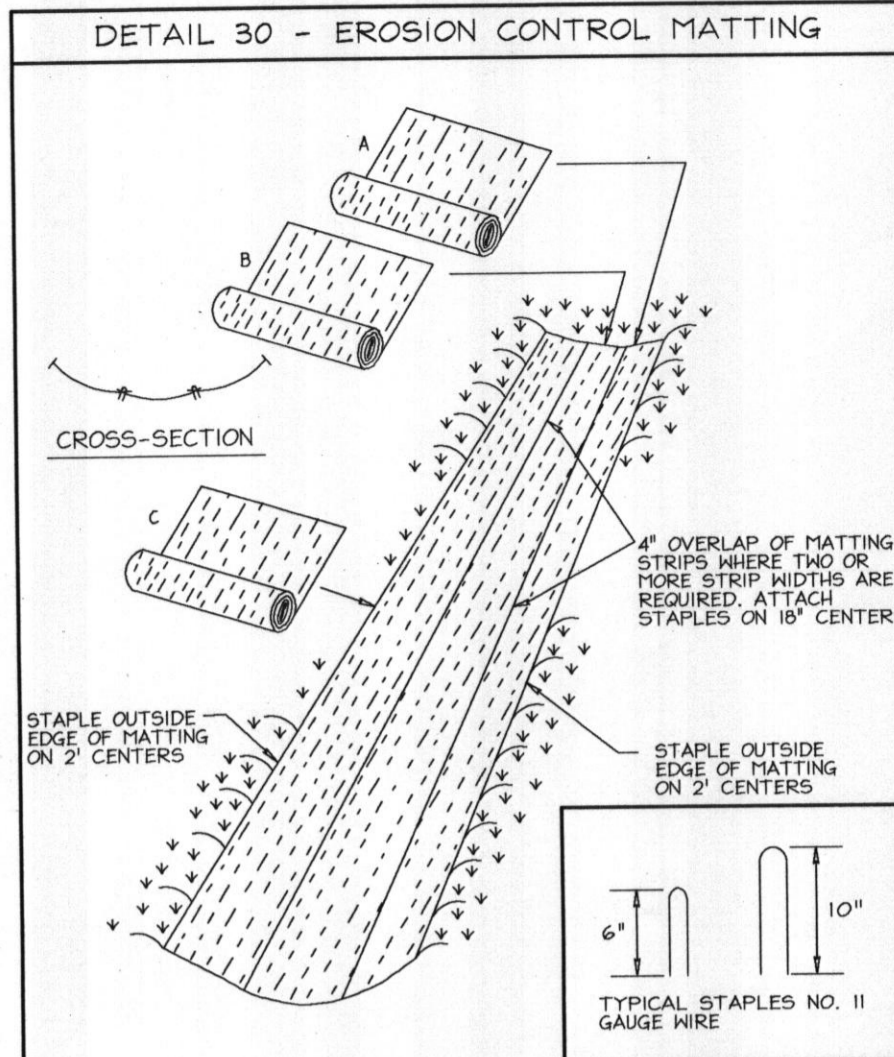
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
Babylor CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	4
BAFFLE FILTER	N/A
MANHOLE LOC	Both
6" PORT LOC	N/A
WATERTIGHT TEST	N/A
SEPTIC TANK 2 LEVEL	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

ROAD

PRE-CONSTRUCTION 9/2/05 House Connection made. Tank set, Run 1x75' trench closest to house and 1x100' trench below that from top of easement (closest to Ho

INSTALLATION 9/9/05 System Installed. Electric line running through easement. (Temporary) 2nd trench runs directly below this temp. line. Still room for 3 systems, some area wasted though. Ok to Cover. (GAC)

FINAL INSPECTOR David A. King DATE OF APPROVAL 9/9/05

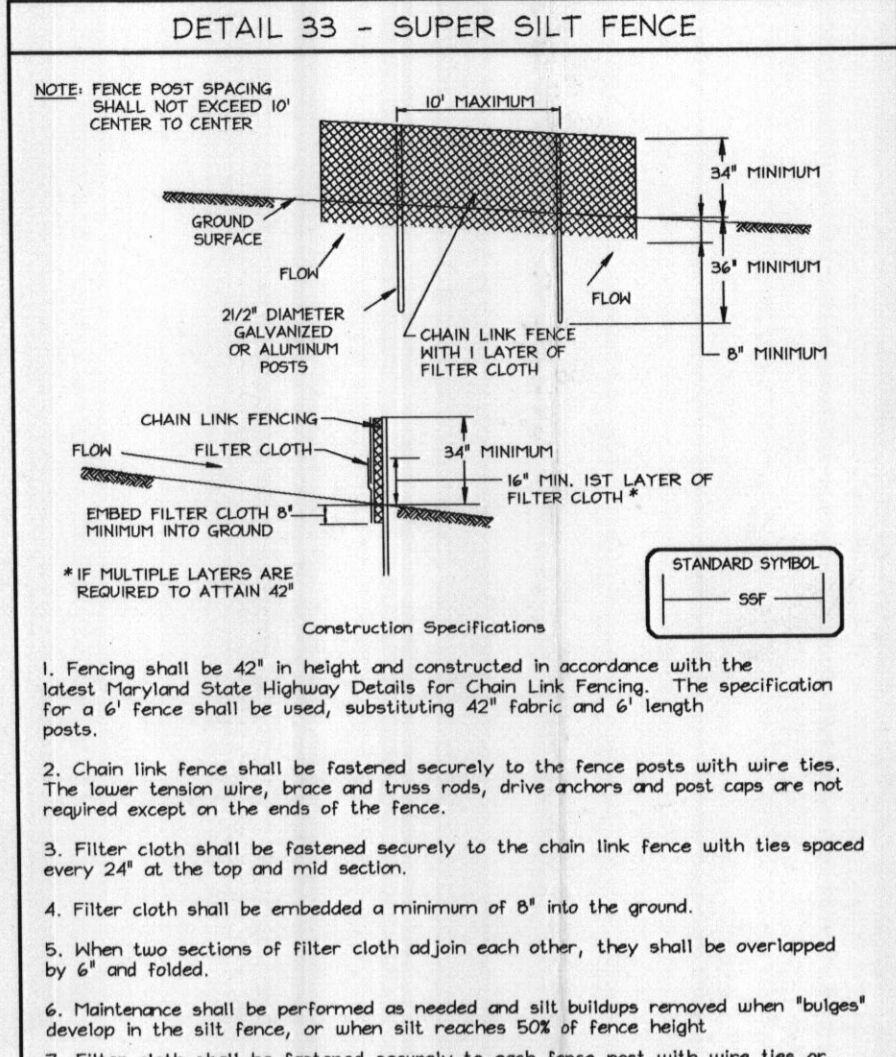


Construction Specifications

- Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamping firmly to conform to the channel cross-section. Secure with a row of staples on 4" down slope from the trench. Spacing between staples is 6".
- Staple the 4" overlap in the channel center using on 18" spacing between staples.
- Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
- Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
- Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
- The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

Notes: If flow will enter from the edge of the matting then the area effected by the flow must be keyed-in.

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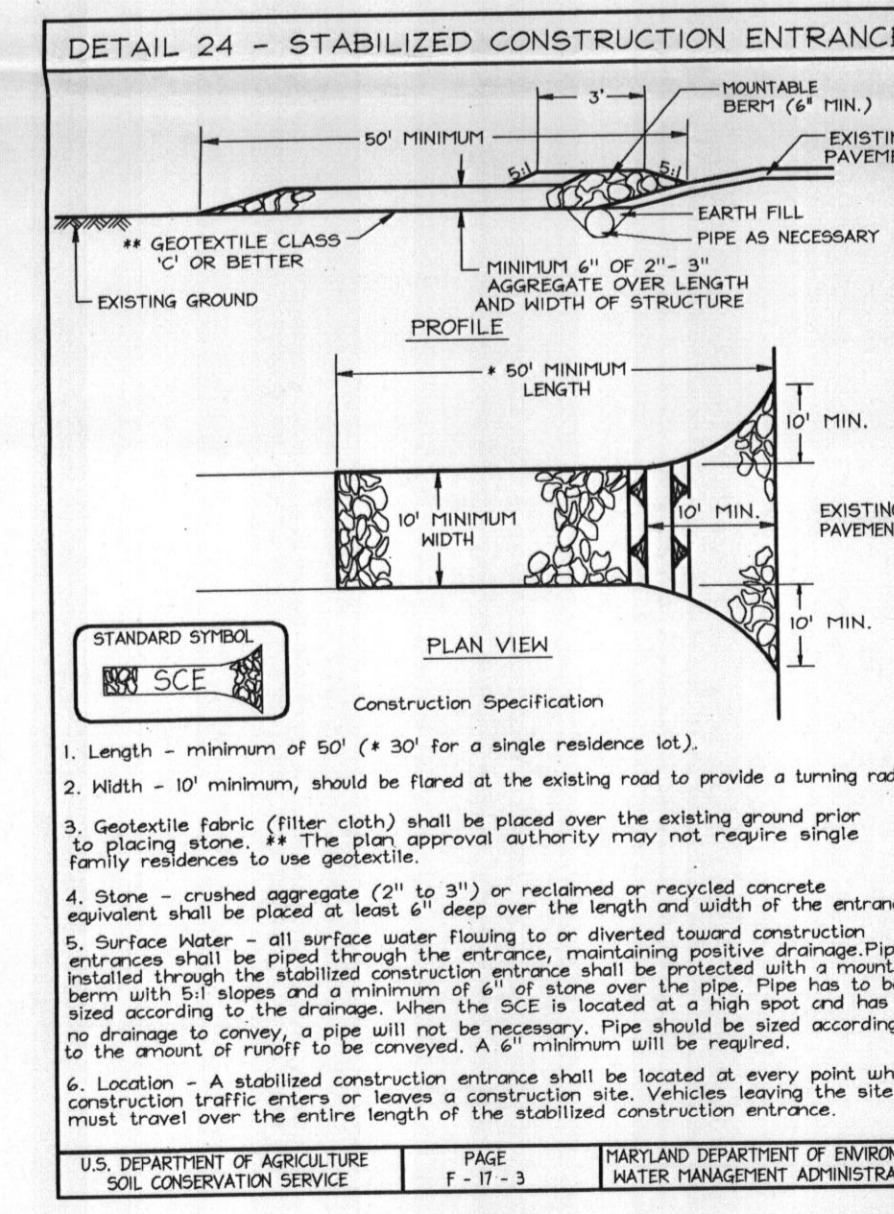
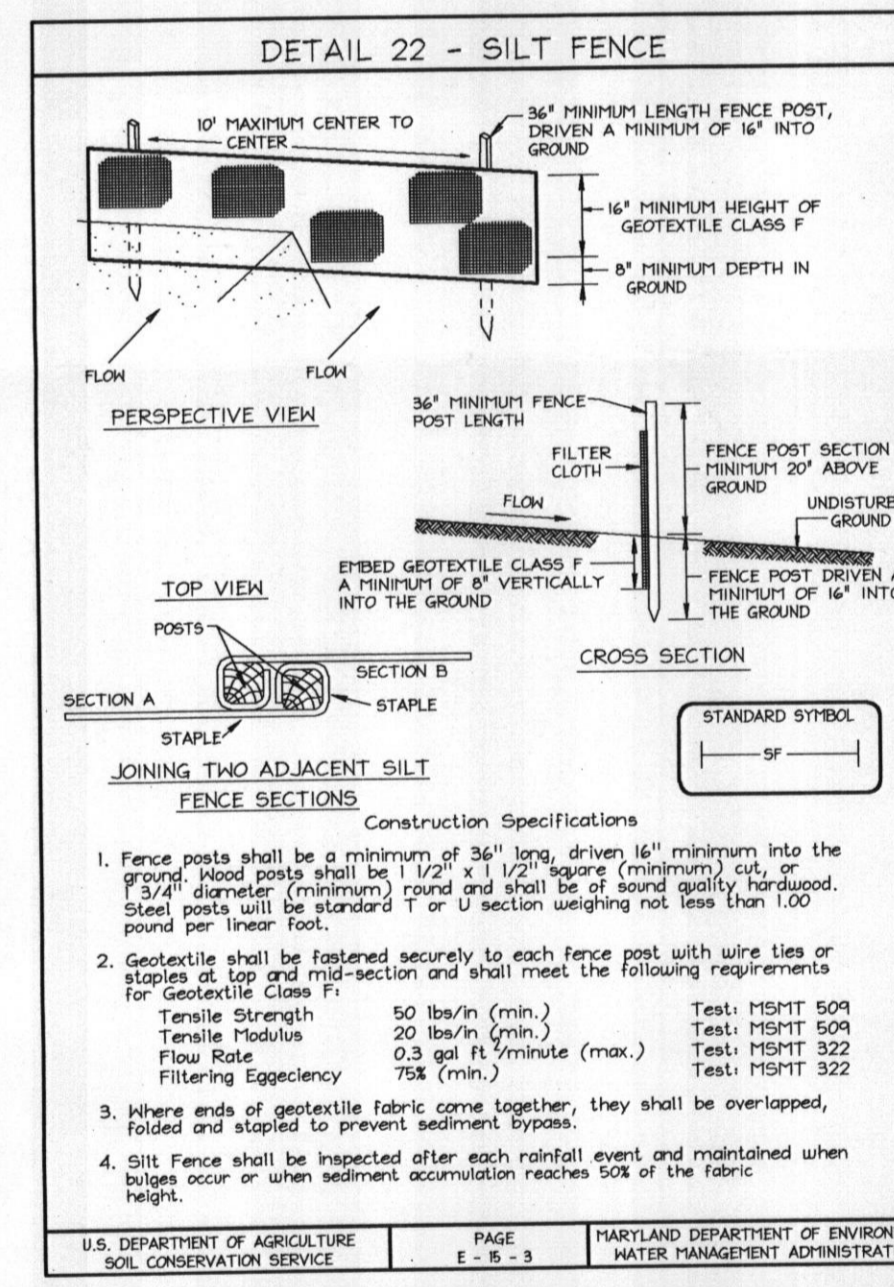


Construction Specifications

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and loose rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 6" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildup removed when 'bulges' develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lb/in. (min.)	Test: MSPT 509
Tensile Modulus	20 lb/in. (min.)	Test: MSPT 509
Flow Rate	0.3 gal./ft. (min.)	Test: MSPT 322
Filtering Efficiency	75% (min.)	Test: MSPT 322

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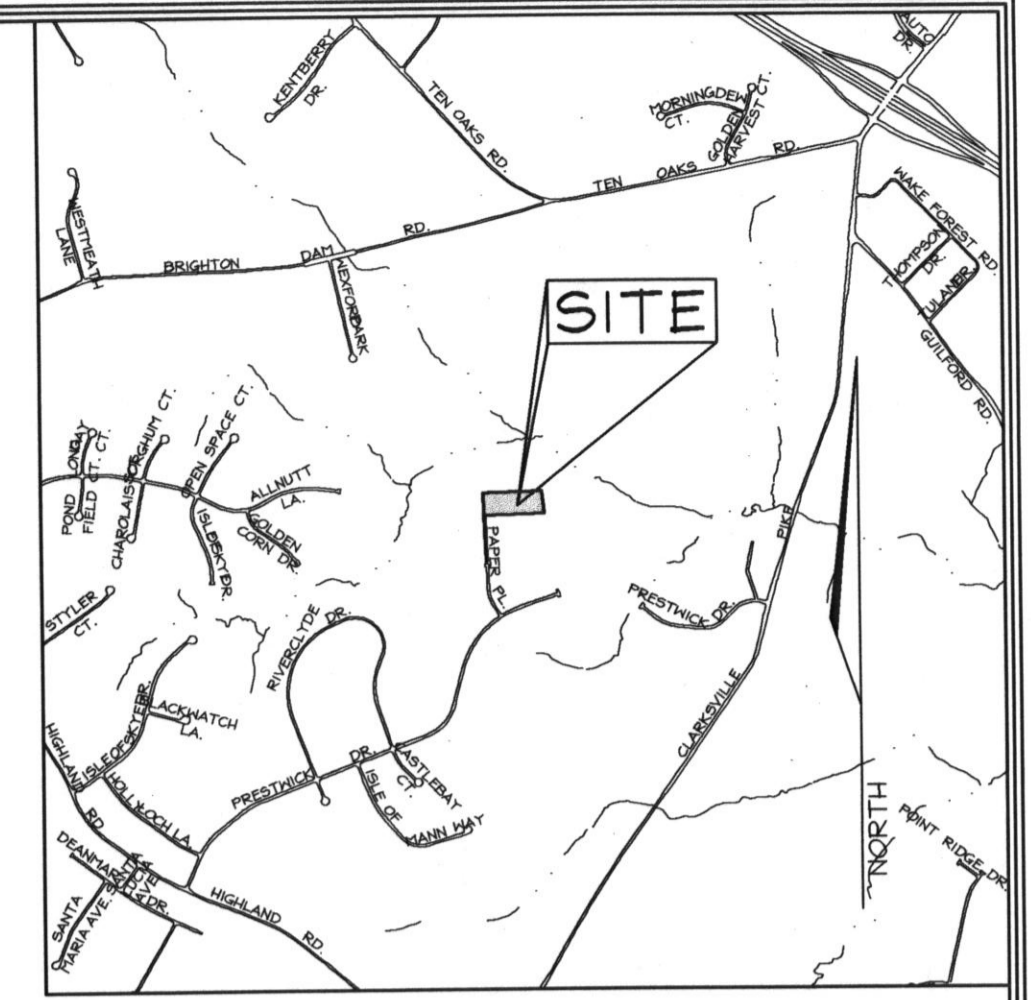


SEQUENCE OF CONSTRUCTION

- Obtain Grading permit.
- Notify Howard County Department of Inspections, License and Permits at (410) 313-1880 at least 24 hours before starting any work.
- Install Stabilized Construction Entrance and Silt Fence. (1 week)
- Construct driveway, and begin house construction. (2 weeks)
- Complete house construction, fine grade site, and install Erosion Control Matting. (3 months)
- During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.
- Following initial soil disturbance or any redisturbances, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, swales and all slopes greater than 3:1.
 - 14 calendar days for all other disturbed areas.
- 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. (1 week)

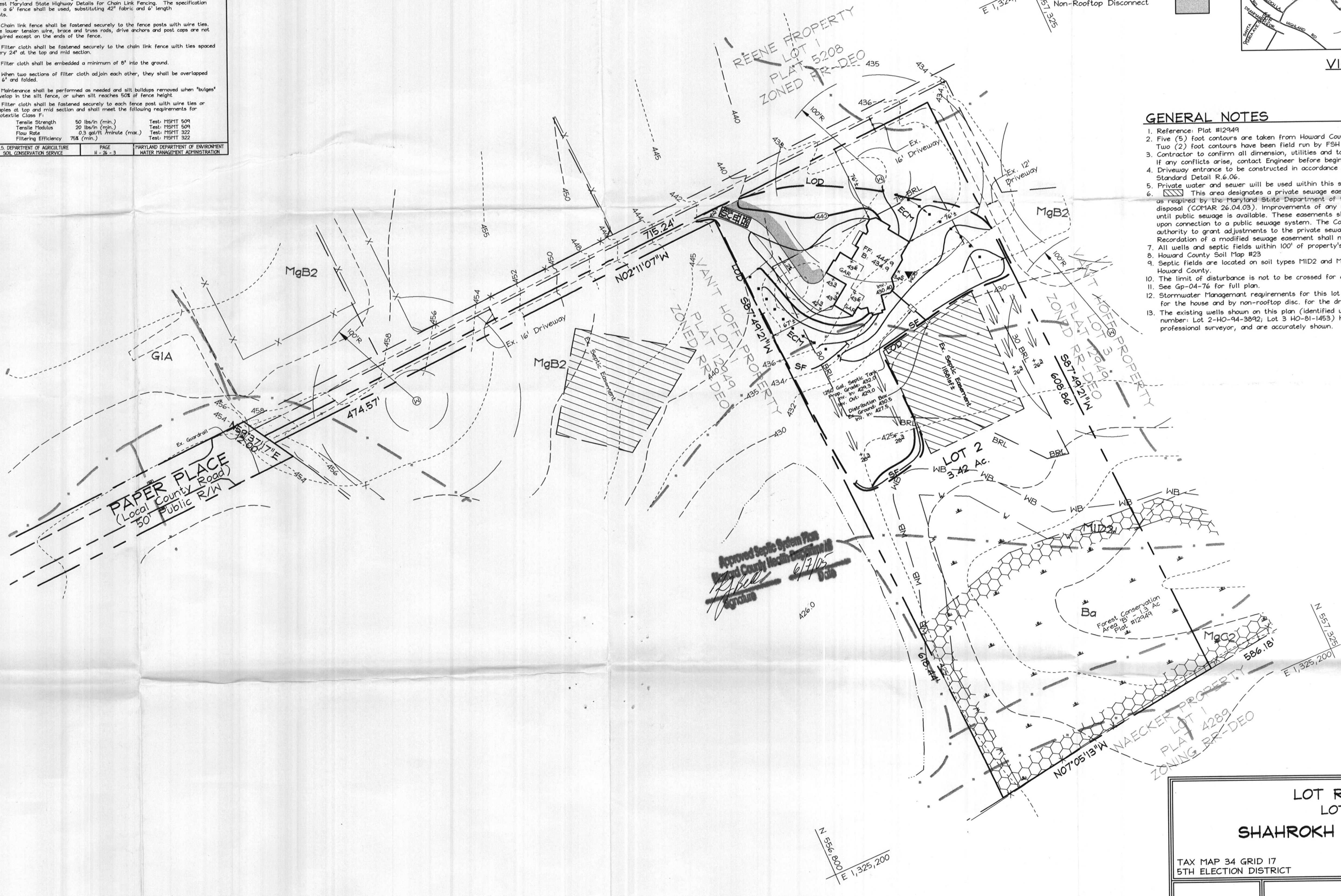
LEGEND

- Existing Contour: --- 302
- Proposed Contour: --- 482.53
- Spot Elevation: 482.53
- Direction of Flow: --->
- Stabilized Construction Entrance: [Symbol]
- Super Silt Fence: --- SF ---
- Limit of Disturbance: --- LOD ---
- Walk Out Basement: [Symbol]
- Existing Trees to Remain: [Symbol]
- Erosion Control Matting: [Symbol]
- Rooftop Disconnect: [Symbol]
- Non-Rooftop Disconnect: [Symbol]



GENERAL NOTES

- Reference: Plat #12949
- Five (5) foot contours are taken from Howard County aerial topographic survey.
- Two (2) foot contours have been field run by FSH Associates, in January 2004.
- Contractor to confirm all dimensions, utilities and topography in the field.
- If any conflicts arise, contact Engineer before beginning any work.
- Driveway entrance to be constructed in accordance with Howard County Standard Detail R.6.06.
- Private water and sewer will be used within this site.
- This area designates a private sewage easement, of at least 10,000 SF, as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- All wells and septic fields within 100' of property's boundary have been shown.
- Howard County Soil Map #23
- Septic fields are located on soil types MID2 and MgB2 as per the soil survey of Howard County.
- The limit of disturbance is not to be crossed for any house or driveway construction.
- See Gp-04-76 for full plan.
- Stormwater Management requirements for this lot are provided for by rooftop disconnects for the house and by non-rooftop disc for the driveway.
- The existing wells shown on this plan (identified with the attached well tag numbers: Lot 2-HO-94-3942; Lot 3-HO-81-1453) have been field located by FSH Associates, professional surveyor, and are accurately shown.



PLAN VIEW
SCALE: 1"=50'

OWNER/DEVELOPER
GREENFIELD HOMES, Inc.
6656 Luster Drive
Highland, Maryland 20777
410.781.6782

LOT RESITE
LOT 2
SHAHROKH RESIDENCE

TAX MAP 34 GRID 17
5TH ELECTION DISTRICT

PARCEL 393
HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: info@fsha.biz

DESIGN BY: PS
DRAWN BY: AY
CHECKED BY: ZTF
SCALE: As Shown
DATE: June 07, 2005
H.O. No.: 3264
SHEET No.: 1 OF 1