

**HOWARD COUNTY  
 PERMIT APPLICATION**

PERMIT NUMBER

*B00d3142*

Building Address <i>4971 Greenbridge Rd Dayton, MD 21036</i>	Property Owner's Name <i>J. Michael Logan</i>
Suite/Apt. #: _____ SDP/WP/Petition #: _____	Address <i>4971 Greenbridge Rd</i>
Census Tract <i>6051.01</i> Subdivision _____	City <i>Dayton</i> State <i>MD</i> Zip Code <i>21036</i>
Section _____ Area _____ Lot <i>3</i>	Home Phone _____ Work Phone _____
Tax Map <i>28</i> Parcel <i>23</i> Grid <i>7</i>	Applicant's Name & Mailing Address, (if other than stated hereon):
Zoning <i>RR</i> Map Coordinates <i>13H2</i> Lot size <i>2900sq</i>	Phone <i>410-531-3362</i> Fax _____
Existing Use <i>SF Home</i>	Contractor Company _____
Proposed Use <i>Detached Garage</i>	Contact Person <i>Same as owner</i>
Estimated Construction Cost <i>10,000</i>	Address _____
Description of Work <i>Build wood frame garage, masonry foundation w/loft above</i>	City _____ State _____ Zip Code _____
Occupant or Tenant <i>owner</i>	License No. _____
Contact Name _____	Phone _____ Fax _____
Address _____	Engineer or Architect Company <i>HDA Inc</i>
City _____ State _____ Zip Code _____	Contact Person _____
Phone _____ Fax _____	Address _____
	City <i>St. Louis</i> State <i>MO</i> Zip Code _____
	Phone <i>1-800-373-2046</i> Fax _____

BUILDING DESCRIPTION - <u>COMMERCIAL</u>		BUILDING DESCRIPTION - <u>RESIDENTIAL</u>	
Building Characteristics	Utilities	Building Characteristics	Utilities
Height: _____	Water Supply: _____ Public _____ Private _____	SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ Public _____ Private _____
No. of stories: _____	Sewage Disposal: _____ Public _____ Private _____	1st floor: <i>32'</i> <i>24'</i>	Sewage Disposal: _____ Public _____ Private <input checked="" type="checkbox"/>
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>	2nd floor: _____	Basement: _____
Use group: _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>	Basement: _____	Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/>
Construction type: _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/>	Basement: _____	Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>
Reinforced Concrete _____	Natural Gas <input type="checkbox"/>	Basement: _____	No. of Bedrooms _____
Structural Steel _____	Propane Gas <input type="checkbox"/>	Basement: _____	Multi-family dwellings:
Masonry _____	Sprinkler system: <i>N/A</i> <input type="checkbox"/>	Basement: _____	No. of efficiency units: _____
Wood Frame _____	Full _____	Basement: _____	No. of 1 BR units: _____
State Certified Modular _____	Partial _____	Basement: _____	No. of 2 BR units: _____
	Other Suppression _____	Basement: _____	No. of 3 BR units: _____
	# of Heads _____	Basement: _____	Other Structure: <i>Garage</i>
		Basement: _____	Dimensions: <i>32x24</i>
		Basement: _____	Footings: <i>Block Foundation</i>
		Basement: _____	Roof: <i>Asph/Flt</i>
		Basement: _____	State Certified Modular _____
		Basement: _____	Manufactured Home _____
		Basement: _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION, (2) THAT THE INFORMATION IS CORRECT, (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THEREIN; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THE PROPERTY FOR THE PURPOSES OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature *J. Michael Logan* Print Name *J. Michael Logan*  
 Title/Company \_\_\_\_\_ Date *3/24/00*

Checks payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
 \*\* PLEASE WRITE NEATLY AND LEGIBLY \*\*  
 - FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#
<input checked="" type="checkbox"/> Land Development, DPZ			Front: _____	<i>45527</i>
<input checked="" type="checkbox"/> State Highways			Rear: _____	Filing fee \$ <i>25</i>
<input checked="" type="checkbox"/> Building Official			Side: _____	Permit fee \$ _____
<input checked="" type="checkbox"/> Dev. Engineering, DPZ	<i>4/6/00</i>	<i>Mark E. Reple</i>	Side St: _____	Excise tax \$ _____
<input checked="" type="checkbox"/> Health			All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
<input checked="" type="checkbox"/> Fire Protection			Is Entrance Permit required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Add'l permit fee \$ _____
Is Sediment Control approval required prior to issuance? YES <input type="checkbox"/> NO <input type="checkbox"/>			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ _____
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for NewTown Zone _____	Balance due \$ _____
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Check # <i>701145366</i>
			Accepted by _____	Validation # <i>30907</i>



4971 Greenbridge Road, lot 3

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS  
3400 COURT HOUSE DRIVE  
ELLCOTT CITY, MD 21043  
PERMITS (410) 313-2425 INSPECTIONS (410) 313-1810  
AUTOMATED INFORMATION (410) 313-3800

### HOWARD COUNTY PERMIT APPLICATION

PERMIT NUMBER  
**B00157813**

Building Address 4971 Greenbridge Rd  
Dayton, MD 21036  
Suite/Apt. #: 05-347394 SDP/WP/Petition #: \_\_\_\_\_  
Census Tract 605101 Subdivision Crumm Property  
Section \_\_\_\_\_ Area \_\_\_\_\_ Lot 3  
Tax Map 28 Parcel 23 Grid 7  
Zoning M Map Coordinates 1312 Lot size \_\_\_\_\_

Property Owner's Name Baltimore, Inc  
Address 4971 Greenbridge Rd  
City Dayton State MD Zip Code 21036  
Home Phone 410-277-0000 Work Phone 410-465-4500  
Applicant's Name & Mailing Address, (if other than stated hereon):  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Existing Use SFD  
Proposed Use Same with Tank  
Estimated Construction Cost \$ 500.00  
Description of Work Install (1) 1000 Gallon U.S.  
LP Tank, per NFPA 58

Contractor Company American  
Contact Person Tom McLaughlin  
Address 10097 Baltimore Drive  
City Chesapeake State MD Zip Code 21034  
License No. \_\_\_\_\_  
Phone 410-465-0800 Fax 410-465-0803

Occupant or Tenant \_\_\_\_\_  
Contact Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Engineer or Architect Company \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

#### BUILDING DESCRIPTION - COMMERCIAL

#### BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame  <input type="checkbox"/> State Certified Modular	Sprinkler system: <u>N/A</u> <input type="checkbox"/> <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Other Suppression # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/> <u>Depth</u> <u>Width</u>	Water Supply: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
1st floor: _____	Sewage Disposal: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
2nd floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Basement: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input checked="" type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms _____	Sprinkler system: <u>N/A</u> <input type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R <input type="checkbox"/> Other: _____
Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____	
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____	
<input type="checkbox"/> State Certified Modular <input type="checkbox"/> Manufactured Home	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THEREUNTO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Thomas R. McLaughlin III  
Applicant's Signature  
American  
Title/Company

Thomas R. McLaughlin III  
Print Name  
Jan 20, 2005  
Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
\*\* PLEASE WRITE NEATLY AND LEGIBLY. \*\*  
- FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL
Land Development, DPZ		
State Highways		
Building Official		
Dev. Engineering, DPZ		
Health	<u>1-24-06</u>	<u>[Signature]</u>
Fire Protection		

Is Sediment Control approval required prior to issuance?  
YES  NO

CONTINGENCY CONSTRUCTION START:

ONE STOP SHOP:

DPZ SETBACK INFORMATION	PROPERTY ID#
Front: _____	<u>0044-5523</u>
Rear: _____	Filing fee \$ _____
Side: _____	Permit fee \$ <u>100.00</u>
Side St.: _____	Excise tax \$ _____
All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	Add'l per. fee \$ _____
Is Entrance Permit required? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ <u>110.00</u>
Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Lot Coverage for NewTown Zone _____	Balance due \$ _____
SDP/Red-line approval date _____	Check # <u>315804</u>
	Validation # <u>106114</u>

Accepted by [Signature]

Distribution of Copies- White: Building Official Green: LDD, DPZ Yellow: DED, DPZ Pink: Health Gold: SHA

COURT

H-2400  
LP tank location  
OK (58)

100'R

PAVING

EX.

556

30'R

75'

L.O.D.

12'

554

L.O.D.

B.R.L.

554.8

554

555.7

GAR  
556.03

554.3

4.8%

555.70

(2R)

FF-557.66  
CE-547.66

552.0

S.T.

30'

SILT FEN

FENCE

D.B.

548

30'

L.O.D.

PROP.  
SEPTIC RESERVE  
AREA-10,550 SF

B.R.L.

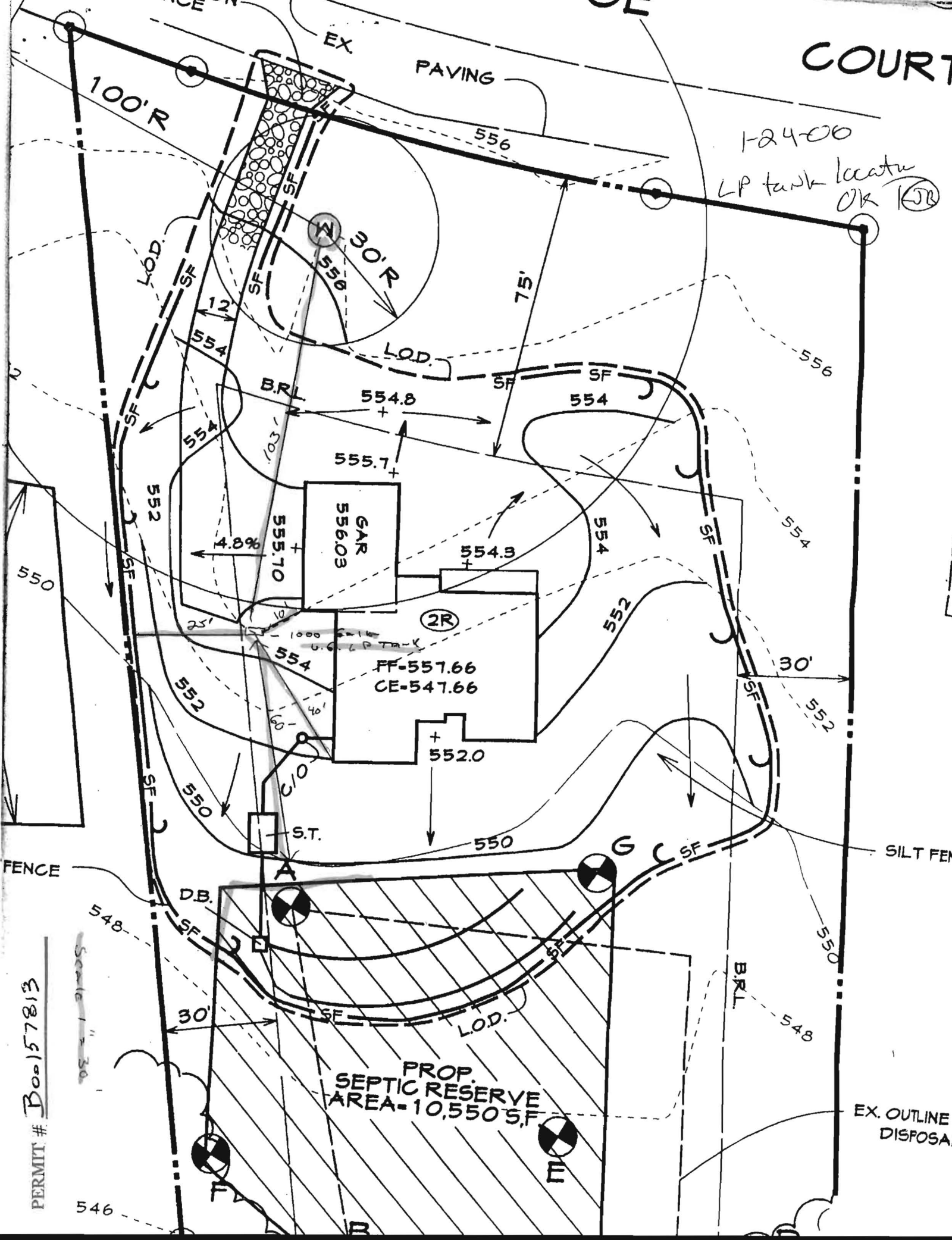
548

EX. OUTLINE  
DISPOSAL

PERMIT # B00157813

Scale 1"=30'

546



Demo B151742

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS  
3400 COURT HOUSE DRIVE  
ELLSWORTH CITY, MD 21036  
PERMITS (410) 313-2865 INSPECTIONS (410) 313-1810  
AUTOMATED INFORMATION (410) 313-3880

HOWARD COUNTY  
PERMIT APPLICATION

PERMIT NUMBER  
B0051743 KN

Building Address 4971 Green Bridge Rd  
Dayton, Md 21036  
Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_  
Census Tract 6051.01 Subdivision \_\_\_\_\_  
Section \_\_\_\_\_ Area \_\_\_\_\_ Lot 3  
Tax Map 28 Parcel 303 Grid 7  
Zoning RR-100 Map Coordinates \_\_\_\_\_ Lot size \_\_\_\_\_

Property Owner's Name Wayne E Ballantine  
Address 4971 Green Bridge Rd  
City Dayton State MD Zip Code 21036  
Home Phone 410-456-4821 Work Phone 410-277-0000  
Applicant's Name & Mailing Address, (if other than stated hereon):  
call  
410-531-5300 x1889  
Teresa Fagan  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Existing Use VACANT LOT  
Proposed Use new SFD  
Estimated Construction Cost \$ 150,000.00  
Description of Work new custom home  
4BR 3 1/2 Bath  
finished basement Attached 3 car

Contractor Company Howard Homes  
Contact Person George Ballantine  
Address 10043 Red Run Blvd  
City Quinn's Mills State MD Zip Code 21117  
License No. 1371011742  
Phone 410-356-6387 Fax 410-356-2913

Occupant or Tenant Covered porch 6'x14'5"  
under new porch  
Contact Name Owner  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Engineer or Architect Company \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

**Building Characteristics**  
Height: \_\_\_\_\_  
No. of stories: \_\_\_\_\_  
Gross area, sq. ft. per floor: \_\_\_\_\_  
Use group: \_\_\_\_\_  
Construction type:  
 Reinforced Concrete  
 Structural Steel  
 Masonry  
 Wood Frame  
 State Certified Modular

**Utilities**  
Water Supply:  
 Public  
 Private  
Sewage Disposal:  
 Public  
 Private  
Electric Yes  No   
Gas Yes  No   
Heating System:  
Electric  Oil   
Natural Gas   
Propane Gas   
Sprinkler system: N/A   
 Full  
 Partial  
 Other Suppression  
 # of Heads \_\_\_\_\_

**Building Characteristics**  
SF Dwelling  SF Townhouse   
1st floor: 61'3" x 73'18" 1/2"  
2nd floor: 34'3" x 38'  
Basement: 61'3" x 73'8" 1/2"  
Finished Basement  Unfinished Basement   
Crawl space  Slab on Grade   
No. of Bedrooms 4  
Multi-family dwellings:  
No. of efficiency units: \_\_\_\_\_  
No. of 1 BR units: \_\_\_\_\_  
No. of 2 BR units: \_\_\_\_\_  
No. of 3 BR units: \_\_\_\_\_  
Other Structure: \_\_\_\_\_  
Dimensions: \_\_\_\_\_  
Footings: \_\_\_\_\_  
Roof: \_\_\_\_\_  
 State Certified Modular  
 Manufactured Home

**Utilities**  
Water Supply:  
 Public  
 Private  
Sewage Disposal:  
 Public  
 Private  
Electric Yes  No   
Gas Yes  No   
Heating System:  
Electric  Oil   
Natural Gas   
Propane Gas   
Sprinkler system: N/A   
 NFPA #13D  
 NFPA #13R  
 Other: \_\_\_\_\_

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THEREIN; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THE PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature  
OWNER  
Title/Company \_\_\_\_\_

Wayne E Ballantine  
Print Name  
1-4-05  
Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
\*\* PLEASE WRITE NEATLY AND LEGIBLY. \*\*  
- FOR OFFICE USE ONLY -

AGENCY DATE SIGNATURE APPROVAL  
 Land Development, DPZ  
 State Highways  
 Building Official  
 Dev. Engineering, DPZ  
 Health 3/30/05 Karen Thomas  
 Fire Protection  
Is Sediment Control approval required prior to issuance?  
YES  NO   
CONTINGENCY CONSTRUCTION START:   
ONE STOP SHOP:

DPZ SETBACK INFORMATION PROPERTY ID: 45527  
Front \_\_\_\_\_ Filing fee \$ 10  
Rear \_\_\_\_\_ Permit fee \$ \_\_\_\_\_  
Side \_\_\_\_\_ Excise tax \$ \_\_\_\_\_  
Side St. \_\_\_\_\_ Add'l per. fee \$ \_\_\_\_\_  
All minimum setbacks met? YES  NO  TOTAL FEES \$ \_\_\_\_\_  
Is Entrance Permit required? YES  NO  Sub-total paid \$ \_\_\_\_\_  
Historic District? YES  NO  Balance due \$ \_\_\_\_\_  
Lot Coverage for New Town Zone \_\_\_\_\_ Check # 954  
SDP/Red-line approval date \_\_\_\_\_ Validation # 50714  
Accepted by \_\_\_\_\_

Distribution of Copies: White: Building Official Green: LDD, DPZ Yellow: DED, DPZ Pink: Health Gold: SEA

50' EASEMENT FOR  
INGRESS & EGRESS  
FOR LOTS 3, 4, 5, & 6.

3.125

BLDG. PERMIT SIGNED  
AND RETURNED 6/21/88

# 70730

NOTE: NO BASEMENT  
PLUMBING 578

Inlet 3.5  
Bottom 9'

200  $\phi$ /BR

Change to  
Punches

Require 146"

for VBL

40 disposal

Copy of  
Changes  
sent to

Mr. Wark

6/24/88

EXIST. DRIVE

N 50° 30' 00" W

57.03'

103'

74.0'

80'

22.0'

37.0'

42.0'

DISTRIBUTION INV 574.0  
INV 573.75

EX. GR. 576.5

INV. 573.0 572.0

575.5

SEWAGE  
DISPOSAL  
EASEMENT

30'

FOR

low area  
at  
station

BRL

75'

L = 308.11'

R = 1408.27'  
L = 16.54'

R = 680.86'

ROAD

GREENBRIDGE

Wakely Parcels

4971

PLOT PLAN LOT 3

SECT. 1 AREA 2

DAYTON MEADOWS

5TH ELECTION DISTRICT

HOWARD CO., MARYLAND

SCALE 1" = 50' JUNE 21, 1986

HUDKINS ASSOCIATES, INC.  
200 EAST JOPPA ROAD  
ROOM 101, SHELL BUILDING  
TOWSON MARYLAND 21204

4921

6604

BY THE ENGINEER:  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Alfred L. Howard* 3/4/04  
 SIGNATURE OF ENGINEER DATE

DEVELOPERS CERTIFICATE  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

*Gregory M. B. Sall* 3/1/05  
 SIGNATURE OF DEVELOPER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

HOWARD SOIL CONSERVATION DISTRICT DATE

**STANDARDS AND SPECIFICATIONS FOR TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS**

I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the soil survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

1. Topsoil shall be a loam, sandy loam clay loam, silt loam sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority.

2. Topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, brick, glass, gravel, sticks, roots, trash, or other materials larger than 1" in diameter.

3. Topsoil must be free of plants or plant parts such as bermuda grass, quack grass, Johnson grass, nutgrass, poison ivy, thistle, or others as specified.

4. Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4-8 lbs/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

5. For sites having disturbed areas under 5 acres:

I. Place topsoil (if required) and apply soil amendments as specified in 2.00 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

6. For sites having disturbed areas over 5 acres:

I. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:

a) pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.

b) Organic content of topsoil shall be not less than 1.5 percent by weight.

c) Topsoil having soluble salt content greater than 500 parts per million shall not be used.

d) No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min) to permit dissipation of phytotoxic material.

Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

II. Place topsoil (if required) and apply soil amendments as specified in 2.00 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

V. Topsoil Application

I. When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, earth dikes, slope sill fence and sediment traps and basins.

II. Grades on the area to be topsoiled, which have been previously established, shall be maintained, about 4"-9" higher in elevation.

III. Topsoil shall be uniformly distributed in a 4"-8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that seeding or sodding can proceed with a minimum of additional soil.

IV. Preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

V. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper germination and seedling preparation.

VI. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

I. Composted sludge material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for requirements:

a) Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.

b) Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate amendments must be added to meet the requirements prior to use.

c) Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

II. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/2 the normal lime application rate.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN (1 DAY)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. BUILD HOUSE (6 MOS.)
4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS. (2 DAYS)

**Standard Sediment Control Notes**

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (13-1039.1).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within 71 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1 to 14:1 steep as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shall be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12 of the HOWARD COUNTY DESIGN MANUAL - Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 5.1), sod (Sec. 5.4), temporary seeding (Sec. 5.0) and mulching (Sec. 5.2). Temporary stabilization with top soil can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7. Site Analysis:  
 Total Area of Site: 3.0 Acres  
 Area Disturbed: 0.59 Acres  
 Area to be roofed or paved: 0.13 Acres  
 Area to be vegetatively stabilized: 0.22 Acres  
 Total Cut: 400 Cu Yds.  
 Total Fill: 400 Cu Yds.  
 Offsite waste/borrow area location: NONE
8. Any sediment control practice, which is disturbed by grading activity for placement of utilities, must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each workday, whichever is shorter.

**HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) PREFERRED: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (32 LBS./1,000 SQ. FT.) AND 100 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 50-0-0 UREA-FORM FERTILIZER (4 LBS./1,000 SQ. FT.)
- 2) ACCEPTABLE: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (32 LBS./1,000 SQ. FT.) AND 1,000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1,000 SQ. FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1 1/4 LBS./1,000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31. SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (0.5 LBS./1,000 SQ. FT.) OF PEEPING LOVEGRASS, DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28. PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SO2 OPTION (3) SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TON/ACRE WELL-ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 40 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GAL. PER ACRE (3 GAL./1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 5 FEET OR HIGHER, USE 5-8 GAL. PER ACRE (6 GAL./1,000 SQ. FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

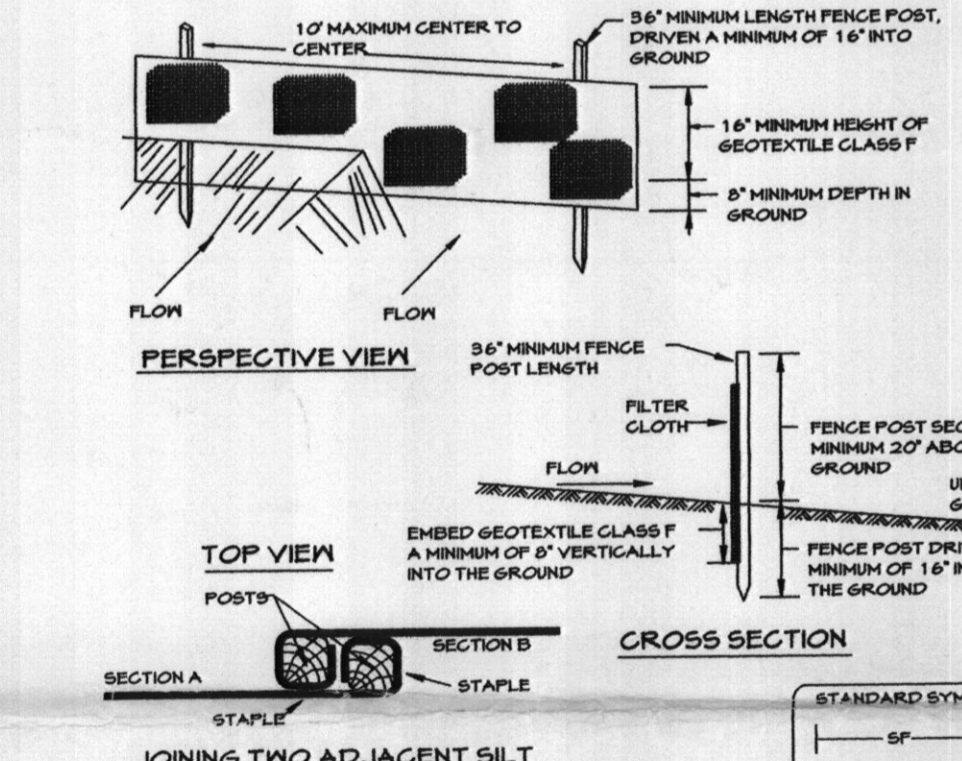
SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.)

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1,000 SQ. FT.) FOR THE PERIOD OF NOVEMBER 1 THROUGH FEBRUARY 28. SEED WITH 3 LBS. PER ACRE OF PEEPING LOVEGRASS (0.7 LBS./1,000 SQ. FT.) FOR THE PERIOD OF NOVEMBER 16 THROUGH FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SO2.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 40 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GAL. PER ACRE (3 GAL./1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 5 FEET OR HIGHER, USE 5-8 GAL. PER ACRE (6 GAL./1,000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

**DETAIL 22 - SILT FENCE**



**JOINING TWO ADJACENT SILT FENCE SECTIONS**

**Construction Specifications**

1. FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. HOOD POSTS SHALL BE 18" X 18" SQUARE DRINKING CUT OR 1 1/2" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
2. GEOTEXTILE 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	30 LBS./IN (MIN)	TEST: MHMT S04
TENSILE MODULUS	20 LBS./IN (MIN)	TEST: MHMT S04
FLOOR RATE	0.9 GAL. FT <sup>2</sup> MINUTE (MAX)	TEST: MHMT S22
FILTERING EFFICIENCY	75% (MIN)	TEST: MHMT S22

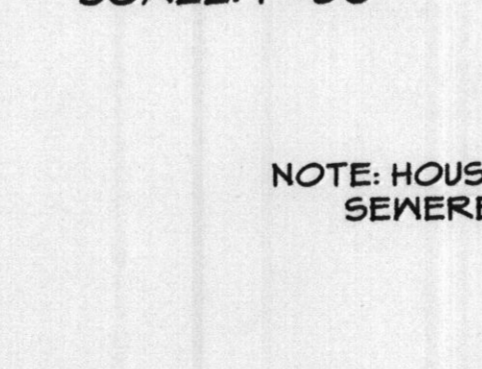
3. WIRE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

**Silt Fence Design Criteria**

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	30 feet	125 feet

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERMITTER CONTROL REQUIRED.

**HOUSE DETAILS SCALE: 1"=30"**



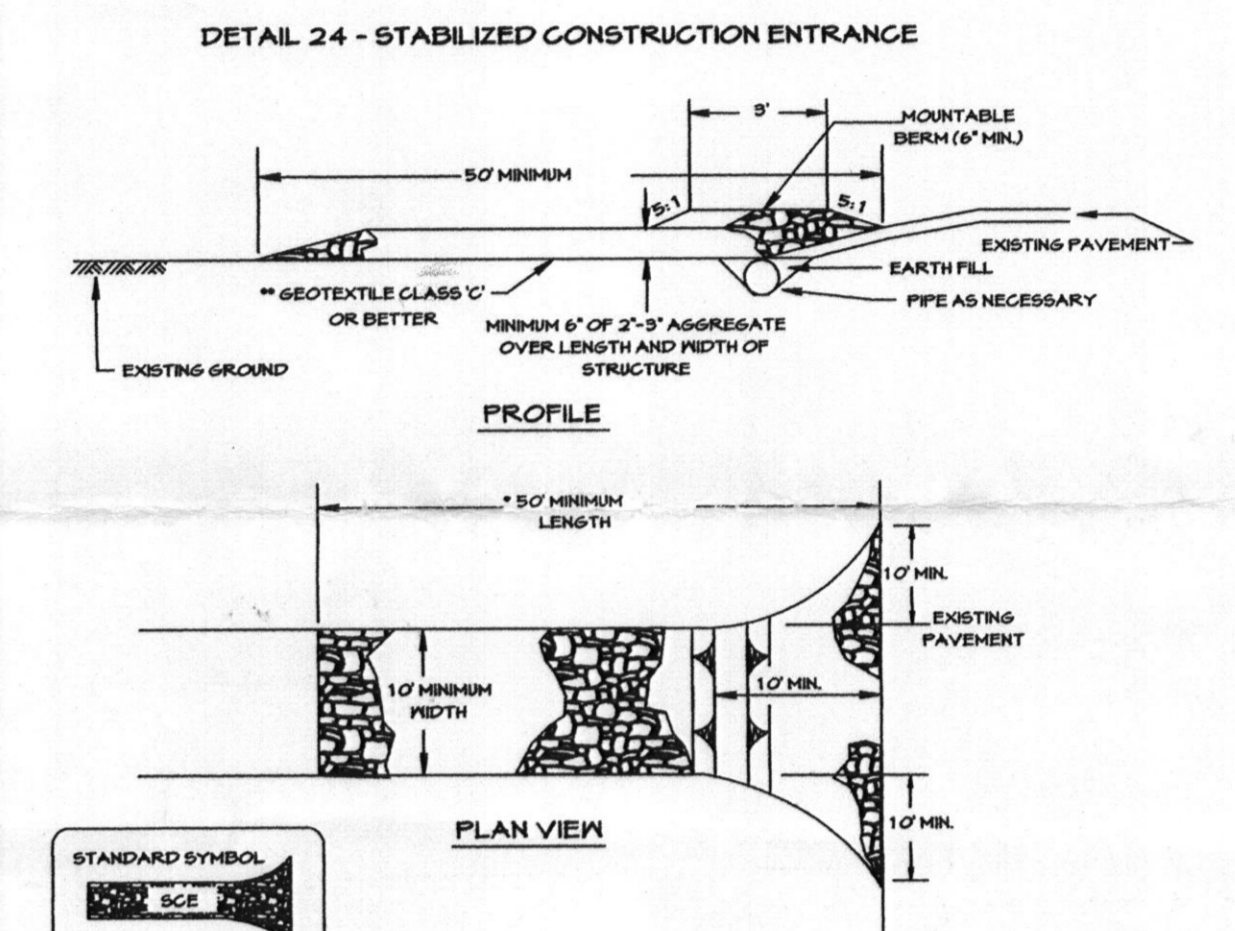
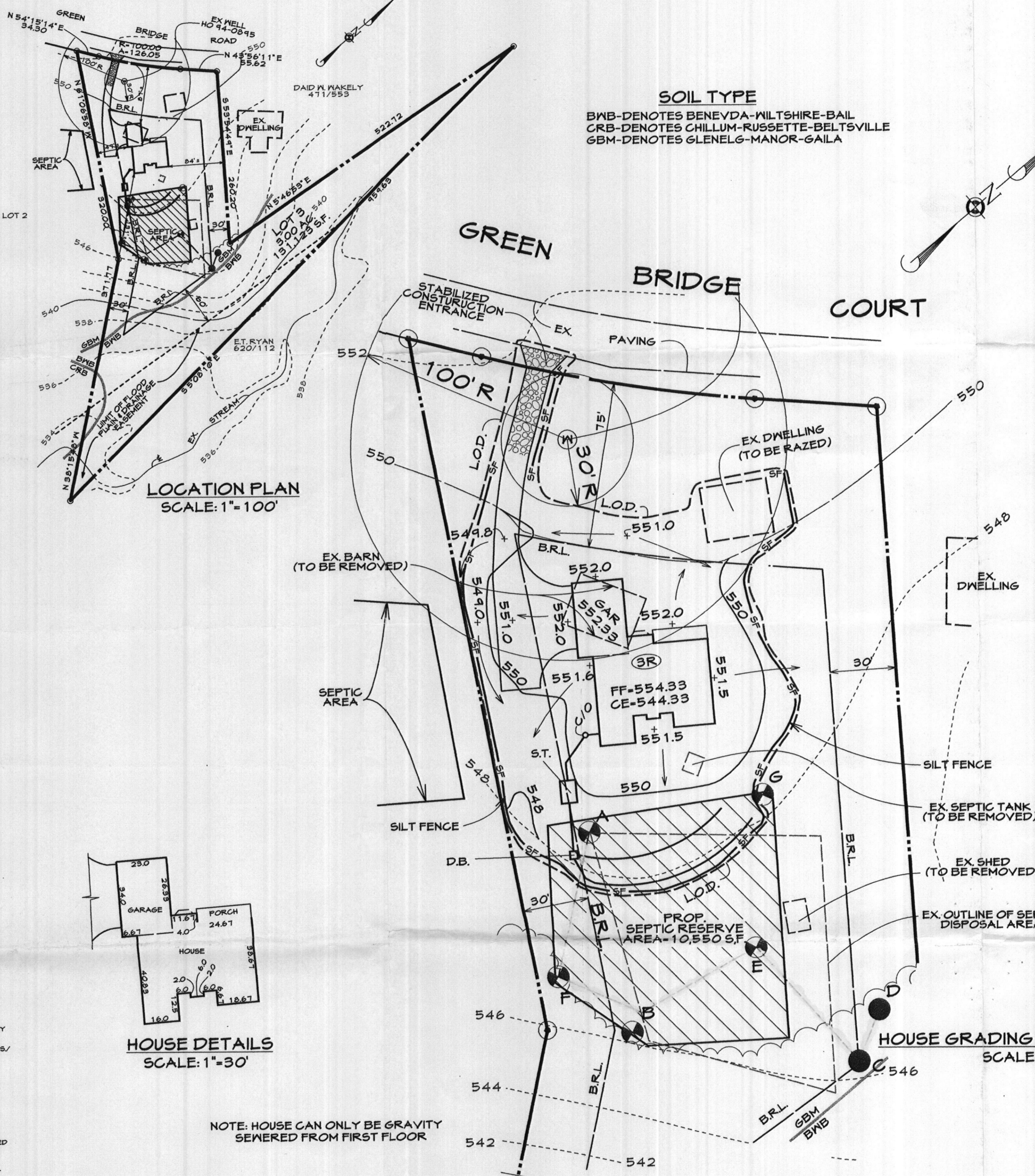
NOTE: HOUSE CAN ONLY BE GRAVITY SEWERED FROM FIRST FLOOR

THIS AREA DESIGNATES A PRIVATE SEPTIC RESERVE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE RESERVE AREA. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Robert J. Wahn* 3/18/05  
 FOR COUNTY HEALTH OFFICER (R) DATE

**SOIL TYPE**  
 BMB-DENOTES BENEVEDA-WILTSHIRE-BAIL  
 CRB-DENOTES CHILLUM-RUSSETTE-BELTSVILLE  
 GBM-DENOTES GLENELG-MANOR-GAILA



1. LENGTH - MINIMUM OF 50' (50' FOR SINGLE RESIDENCE LOT).
2. WIDTH - 10' MINIMUM SHOULD BE MAINTAINED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
4. STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BEAM WITH 6" SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SEED ACCORDING TO THE DRAINAGE. WHEN THE SEWAGE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
6. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

NOTE: ALL EXISTING TOPO ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON ASSUMED DATA AND DOES NOT REFLECT EXACT ELEVATIONS. UNTIL SUCH TIME OF HOUSE STAKEOUT THAT EXISTING GRADES CAN BE VERIFIED IN THE FIELD.

**LEGEND**

- DENOTES APPROVED PERC HOLE LOCATIONS
- DENOTES DISAPPROVED PERC
- (M) - DENOTES EXISTING WELL LOCATION
- DENOTES 25% SLOPES

**PERCOLATION CERTIFICATION PLAT AND PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT**  
 LOT #3  
 #4971 GREEN BRIDGE ROAD  
**CURRAN PROPERTY**  
 5TH ELECTION DISTRICT \* HOWARD COUNTY, MARYLAND  
 PLAT NO. 4055

DATE	REVISIONS

**CLSI**  
 Engineers • Surveyors • Landscape Architects  
 www.clsi-civileng.com

FREDERICK OFFICE: 5111 Pegasus Court, Suite B, Frederick, MD 21704-8318, FAX (301) 662-8004  
 WESTMINSTER OFFICE: 439 East Main Street, Westminster, MD 21157-5539, FAX (410) 848-1791

Survised By: [Signature] Checked By: JEP Computed By: [Signature]

Professional Engineer Registration No. 23448  
 Date: 12/04/2004  
 Drawing No. 2004227  
 County File No.:

CAD Drawing File Name: