

LAYOUT 5/1/08 INSP 4 _____
INSP 2 5/1/08 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 11/8/07

P 527901

APPROVAL DATE: 5/2/08

PERMIT
Logged Into Permit Manager
TAX ID # **03348024**

A 522506

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

Michelle C Coleman (Fogles) IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 13104 Williamfield Dr PHONE NUMBER: 301-918-5421

SUBDIVISION: Coleman Property LOT NUMBER: 2

ADDRESS: 13102 Williamfield Drive PROPERTY OWNER: Michelle C. Coleman

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 3

4'-8'

SQUARE FEET PER BEDROOM: _____

45', 60' + 75' = 180'

LINEAR FEET OF TRENCH REQUIRED: 160/180'

Trenches 2' Wide

TRENCHES:	Trench to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	
NOTES:	Install system per plan unless directed by Health Department. Layout inspection required prior to installation. Basement not serviced by gravity

PLANS APPROVED: Sara Sappington

DATE: 5/17/07

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

NOT TO SCALE

See As-Built Drawing
On Separate Sheet

ROAD

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM
2' 4'-4.5' 8'-8.5'
NUMBER OF TRENCHES 3
TOTAL LENGTH 180
ABSORPTION AREA _____
DISTRIBUTION BOX LEVEL Levelers
DISTRIBUTION BOX BAFFLE Yes
DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes
CAPACITY 1500 GAL
SEAM LOC Top
TANK LID DEPTH 1'-2'
BAFFLES Yes
BAFFLE FILTER No
MANHOLE LOC Front + Rear
6" PORT LOC None
WATERTIGHT TEST No
SEPTIC TANK 2 LEVEL N/A
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____

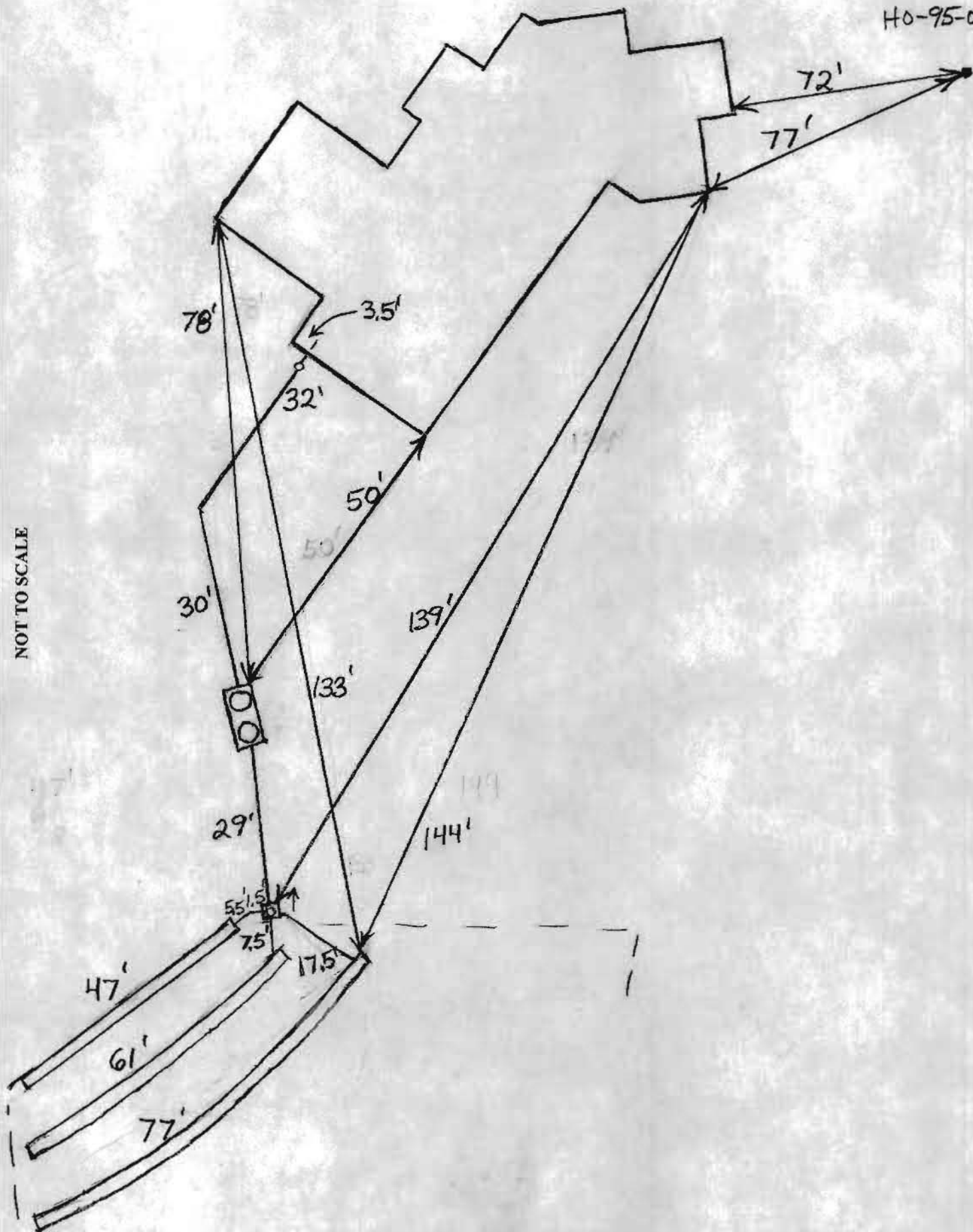
PRE-CONSTRUCTION 5/1/08 Easement staked incorrectly by
surveyors. Install a 45', 60' and 75' trench on
INSTALLATION contour across the top of the easement.
Inlet 4' and bottom 8', BB
5/1/08 Tank set. Dist. box set. Plumbing up to dist.
box finished. BB 5/2/08 System finished. O.K. to
backfill BB

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 5/2/08

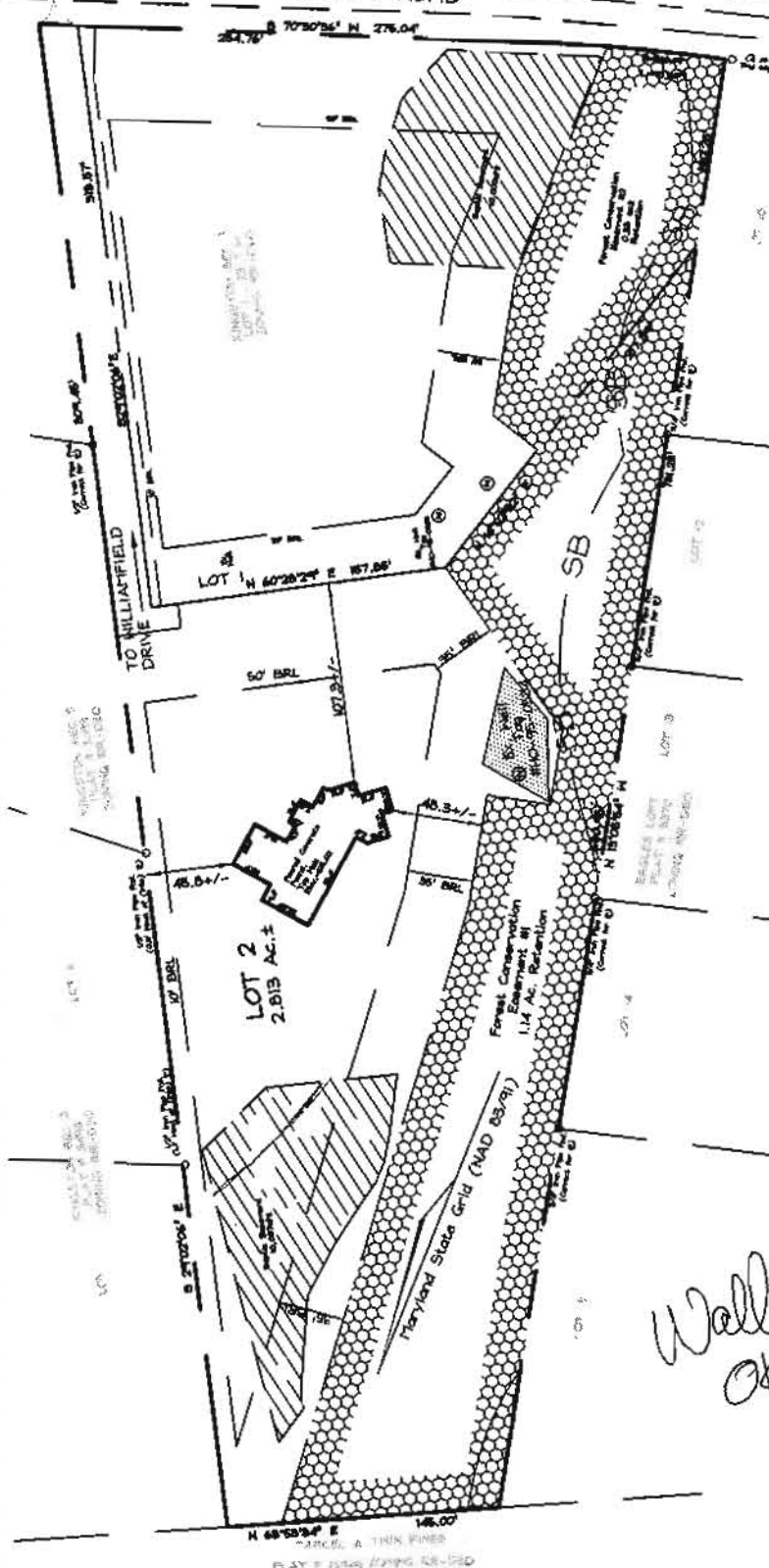
HO-95-0534

NOT TO SCALE

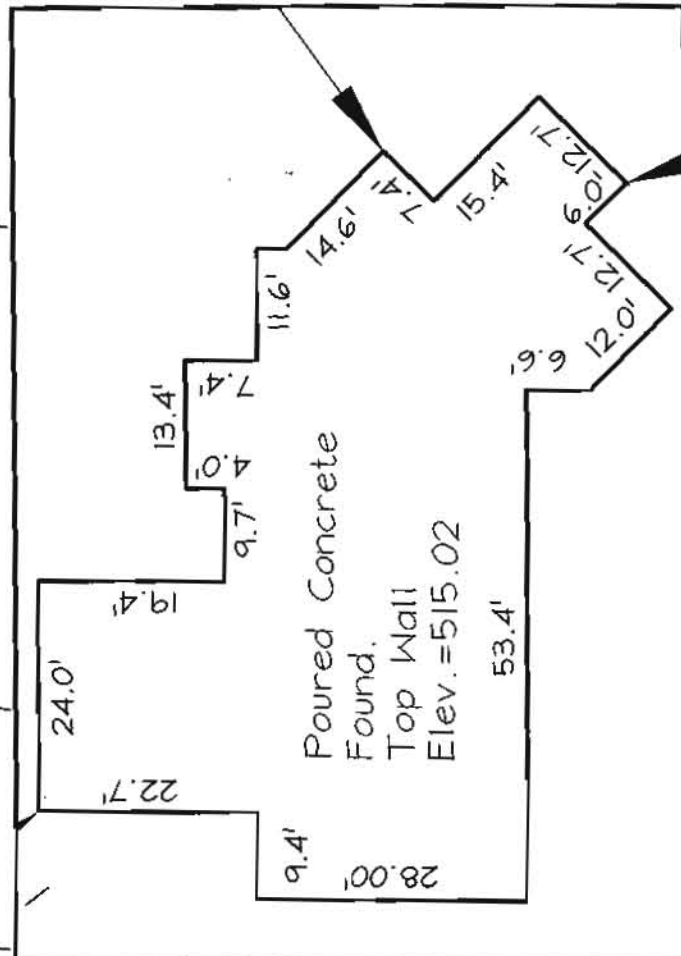


WILLIAMFIELD DRIVE

LOCAL COUNTY ROAD



Scale: 1"=100'



Scale: 1"=20'

Wall check
OK FEB 11/8/2007

- | | | | |
|------|--------------|-----|----------------|
| F/P | = FIREPLACE | O/H | OVERHANG |
| B/W | = BAY WINDOW | H/P | HEAT PUMP |
| D/W | = DRIVEWAY | G/M | GAS METER |
| CONC | = CONCRETE | E/M | ELECTRIC METER |

DIMENSIONS FROM FOUN. WALL TO PROPERTY LINE ARE +/-0.1'

ADDRESS No. 13102 WILLIAMFIELD DRIVE

TOP OF WALL ELEV. = 515.02

THIS 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.

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

THIS LOCATION DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

FSH Associates

Engineers Planners Surveyors

6339 Howard Lane, Elkridge, MD 21075

Tel: 410-567-5200 Fax: 410-796-1562

E-mail: FSHERI.COM

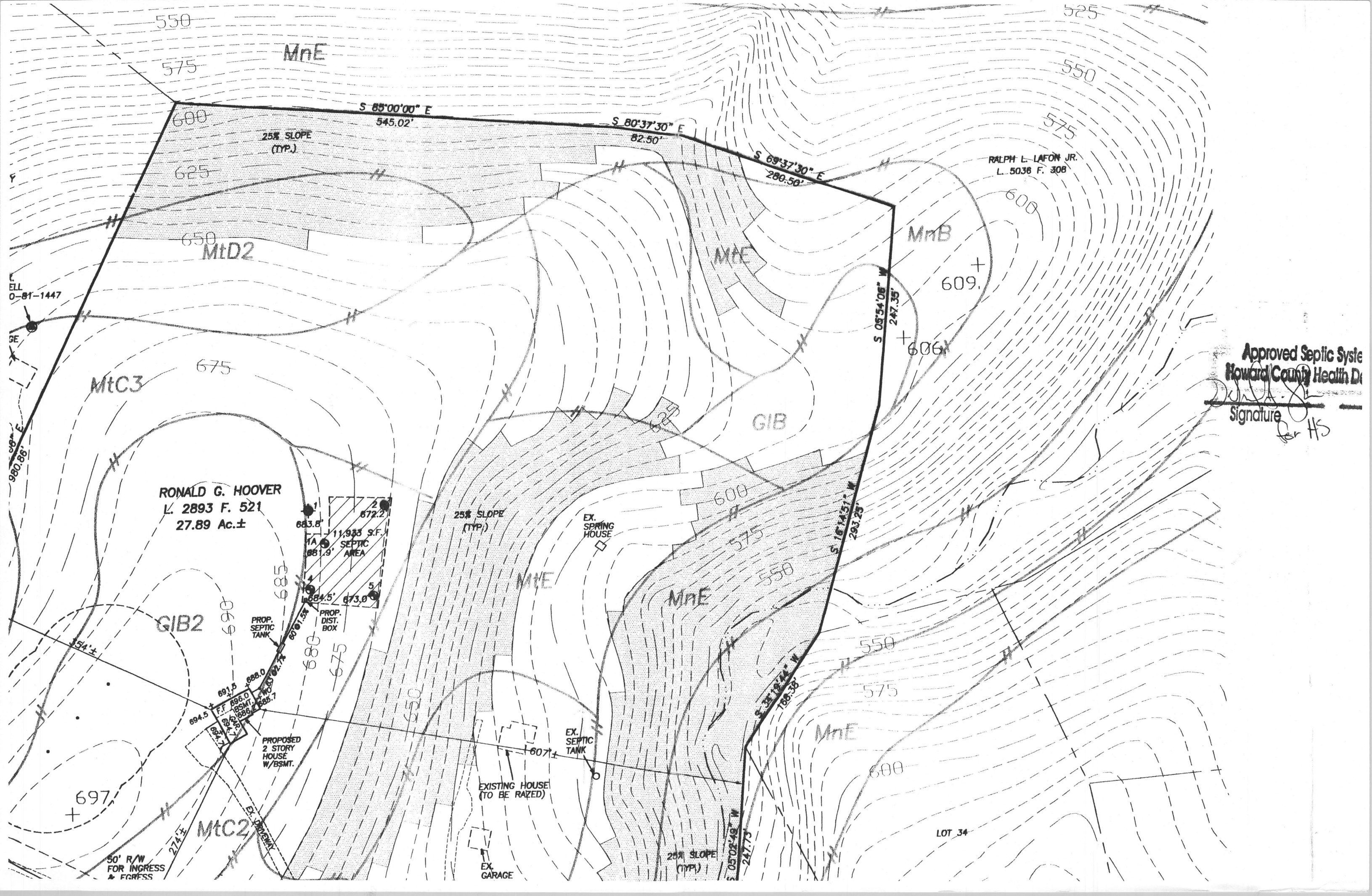
WALL CHECK

FOUNDATION	Date: 11/07/07
FINAL	Date:
DRAWN BY:	RJS
SCALE:	AS SHOWN
W.O. No.:	3332

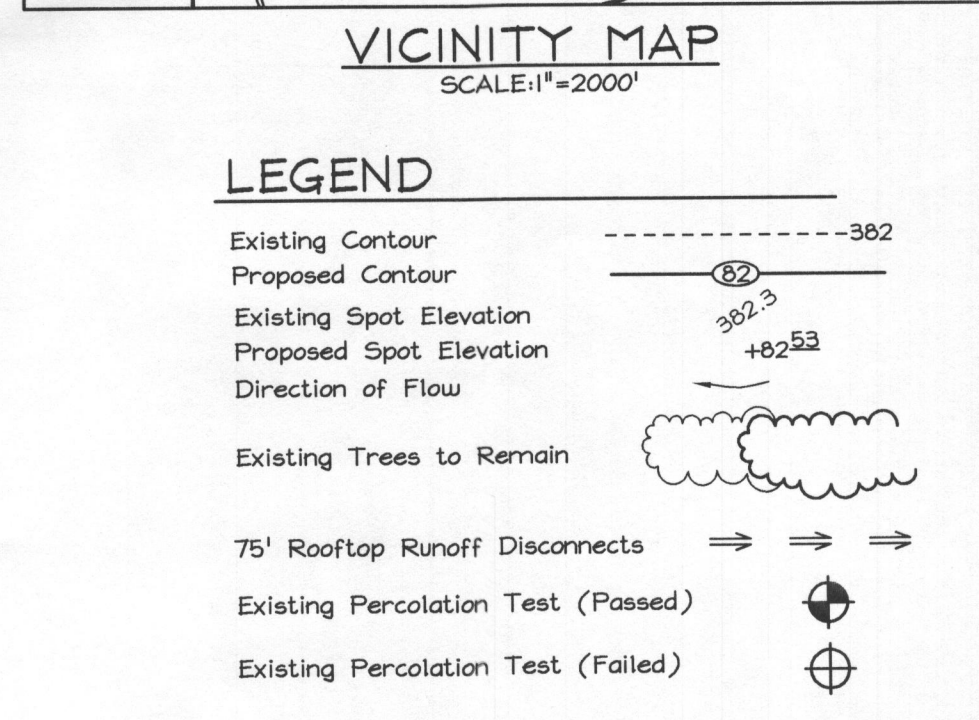
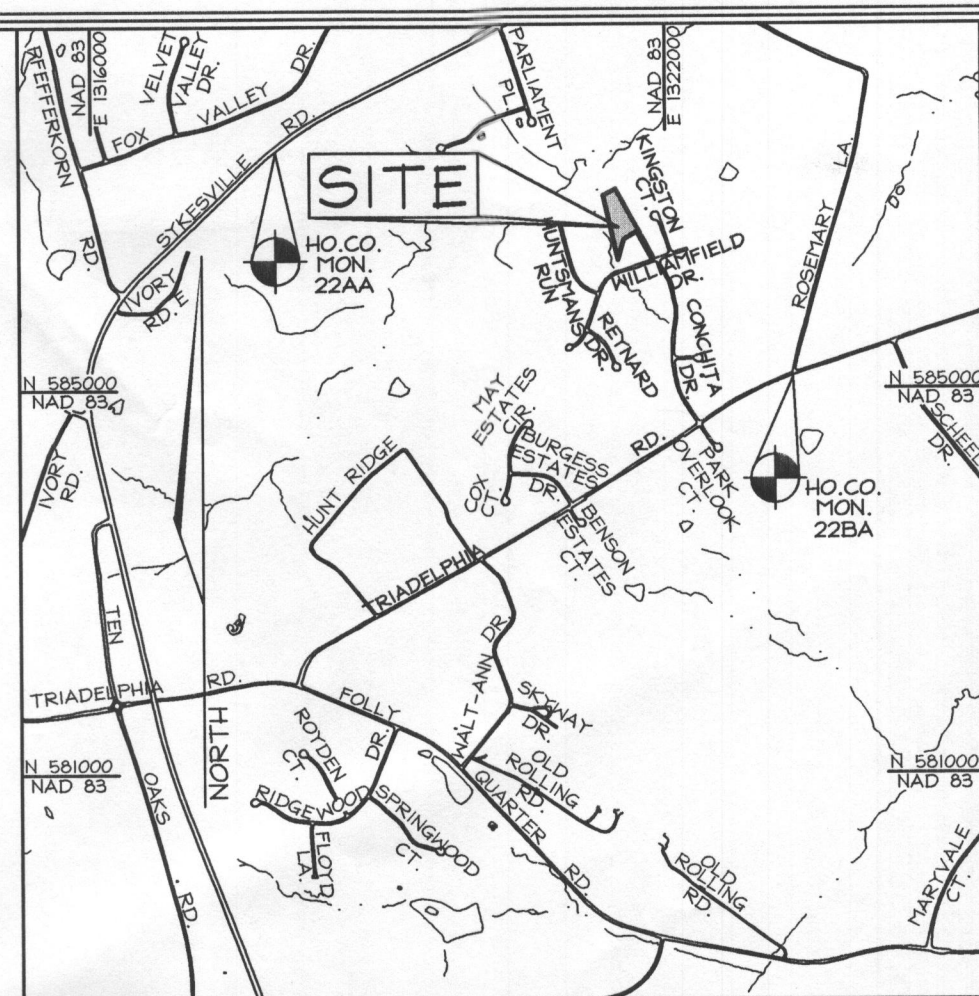
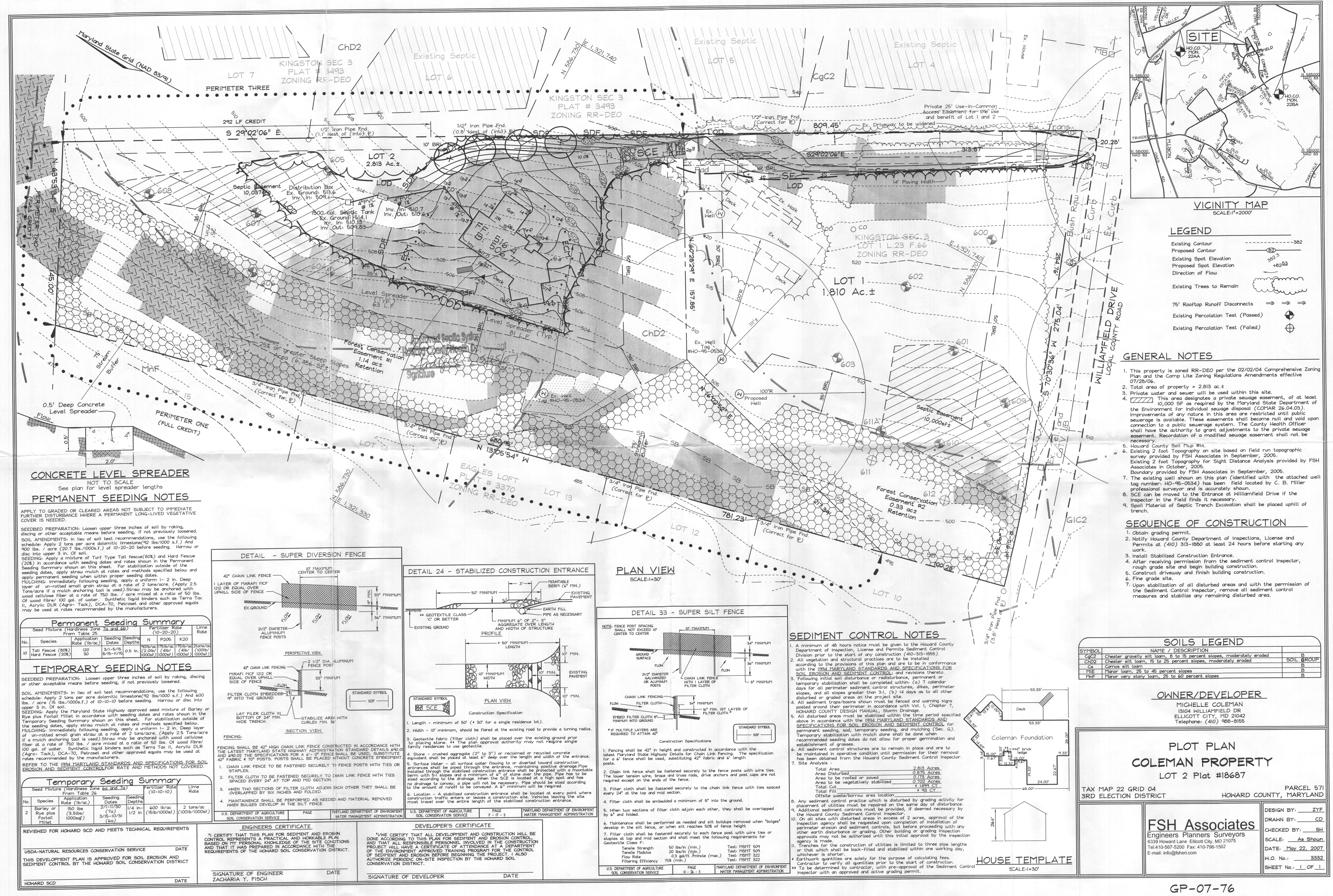


LOT 2
13102 WILLIAMFIELD
DRIVE
PLAT #18686

TAX MAP 22 GRID 4 PARCEL 571
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



Approved Septic System
Howard County Health Department
Signature: *[Signature]*
for HS



GENERAL NOTES

- 1. This property is zoned RR-DEO per the 02/02/04 Comprehensive Zoning Plan and the Comp Lite Zoning Regulations Amendments effective 07/26/06.
- 2. Total area of property = 2.813 ac.±
- 3. Private water and sewer will be used within this site.
- 4. 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 sewerage is available. These easements shall become null and void upon connection to a public sewerage 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.
- 5. Howard County Soil Map #14.
- 6. Existing 2 foot Topography on site based on field run topographic survey provided by FSH Associates in September, 2005.
- 7. Existing 2 foot Topography for Sight Distance Analysis provided by FSH Associates in October, 2005.
- 8. Boundary provided by FSH Associates in September, 2005.
- 9. The existing well shown on this plan (identified with the attached well log number: HO-95-0534) has been field located by C. B. Miller professional surveyor and is accurately shown.
- 10. SCE can be moved to the Entrance at Williamfield Drive if the Inspector in the Field finds it necessary.
- 11. Spoil Material of Septic Trench Excavation shall be placed uphill of trench.

SEQUENCE OF CONSTRUCTION

- 1. Obtain grading permit.
- 2. Notify Howard County Department of Inspections, License and Permits at (410) 313-1880 at least 24 hours before starting any work.
- 3. Install Stabilized Construction Entrance.
- 4. After receiving permission from the sediment control inspector, rough grade site and begin building construction.
- 5. Construct driveway and finish building construction.
- 6. Fine grade site.
- 7. 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.

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
CgC2	Chester gravelly silt loam, 15 to 15 percent slopes, moderately eroded	B
ChD2	Chester silt loam, 15 to 25 percent slopes, moderately eroded	B
Gs	Cornus silt loam	B
MIE	Minor loam, 25 to 45 percent slopes	B
MNF	Minor very stony loam, 25 to 60 percent slopes	B

OWNER/DEVELOPER
MICHELLE COLEMAN
13104 WILLIAMFIELD DR
ELLICOTT CITY, MD 21042
Telephone: (410) 988-8155

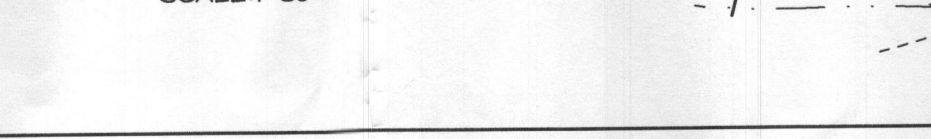
PLOT PLAN
COLEMAN PROPERTY
LOT 2 Plat #18687

TAX MAP 22 GRID 04
3RD ELECTION DISTRICT
PARCEL 571
HOWARD COUNTY, MARYLAND

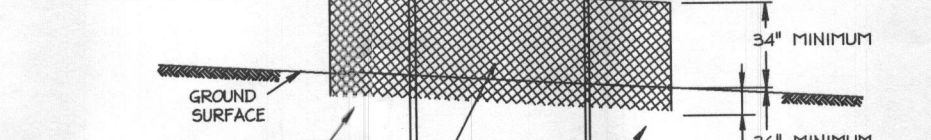
FSH Associates
Engineers Planners Surveyors
6339 Howard Lane, Ellicott City, MD 21075
Tel: 410-567-5200 Fax: 410-795-1562
E-mail: info@fsher.com

DESIGN BY: ZTF
DRAWN BY: CD
CHECKED BY: SH
SCALE: As Shown
DATE: May 22, 2007
W.O. No.: 3332
SHEET No.: 1 OF 1

PLAN VIEW
SCALE: 1"=30'



DETAIL 33 - SUPER SILT FENCE



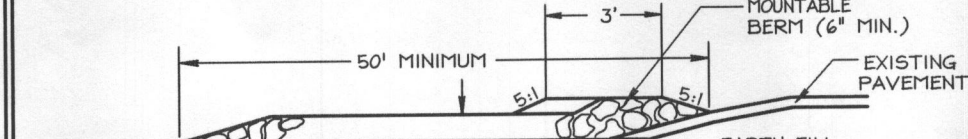
CONSTRUCTION SPECIFICATIONS

- 1. 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.
- 2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
- 3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- 4. Filter cloth shall be embedded a minimum of 6" into the ground.
- 5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- 6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- 7. 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 lbs/in. (min.)	Test: HSPMT 509
Tensile Modulus	20 lbs/in. (min.)	Test: HSPMT 509
Flow Rate	0.3 gal/ft. (min.)	Test: HSPMT 322
Filtration Efficiency	75% (min.)	Test: HSPMT 322

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

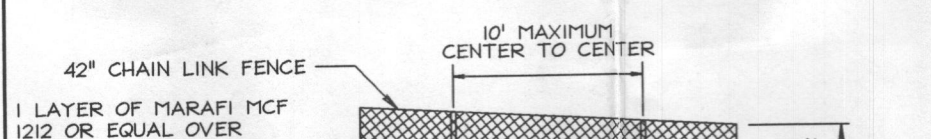


CONSTRUCTION SPECIFICATION

- 1. Length - minimum of 50' (+ 30' for a single residence lot).
- 2. Width - 10' minimum, should be flared 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 entrances shall be installed through the entrance, maintaining positive drainage. Pipe shall be installed with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE 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.

U.S. DEPARTMENT OF AGRICULTURE
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MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

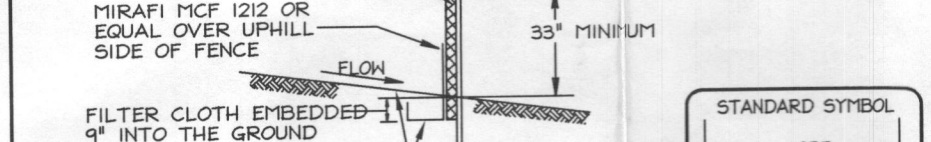
DETAIL - SUPER DIVERSION FENCE



PERSPECTIVE VIEW



SECTION VIEW



FENCING:

- 1. CHAIN LINK FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES.
- 2. FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
PAGE
MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

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.

SIGNATURE OF ENGINEER
ZACHARIA Y. FISCH
DATE

DEVELOPER'S CERTIFICATE

I, HEREBY 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
DATE

CONCRETE LEVEL SPREADER
NOT TO SCALE
See plan for level spreader lengths

PERMANENT SEEDING NOTES

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

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) And 900 lbs. / acre (20.7 lbs./1000s.f.) of 10-20-20 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply a mixture of Turf Type Tall Fescue (80%) and Hard Fescue (20%) in accordance with seeding dates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below and seedling dates.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fibre/ 100 gal. of water. Synthetic liquid binders such as Terra Tex II, Acrylic DLR (Agro-Track), DCA-70, Petroseal and other approved equals may be used at rates recommended by the manufacturers.

Permanent Seeding Summary		Seed Mixture (Hardness Zone 1a and 5b)		Fertilizer Rate (10-20-20)		Line Rate	
No.	Species	Application Rate (lb/ac.)	Seeding Dates	Seeding Depths	N	P205	K20
10	Tall Fescue (80%) Hard Fescue (20%)	120 30	3/1-5/15 9/15-11/15	0.5 in. (2.0lb/ 1000sf) (4lb/ 1000sf)	2 tons/acre (100lb/ 1000sf)	2 tons/acre (100lb/ 1000sf)	2 tons/acre (100lb/ 1000sf)

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) And 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Fescue Millet in accordance with seeding dates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fibre/ 100 gal. of water. Synthetic liquid binders such as Terra Tex II, Acrylic DLR (Agro-Track), DCA-70, Petroseal and other approved equals may be used at rates recommended by the manufacturers.

REFER TO THE 1934 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

Temporary Seeding Summary		Seed Mixture (Hardness Zone 6a and 7a)		Fertilizer Rate (10-10-10)		Line Rate	
No.	Species	Application Rate (lb/ac.)	Seeding Dates	Seeding Depths	N	P205	K20
2	Barley or Rye plus Fescue Millet	150 lbs. (3.5lb/ 1000sf)	2/1-11/30 (7a) 3/15-10/31 (6a)	1/4 in. 1/2 in.	600 lb/acre (15lb/1000sf)	2 tons/acre (100lb/1000sf)	2 tons/acre (100lb/1000sf)

REVIEWED FOR HOWARD SCD AND PIETS TECHNICAL REQUIREMENTS
USDA-NATURAL RESOURCES CONSERVATION SERVICE
DATE

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