

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 1/22/07

APPROVAL DATE: 4/12/07

# PERMIT

TAX ID #04-324714

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

*UPGRADE*  
P 526196

A 21499

Fogles Septic Clean IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obrecht Road PHONE NUMBER: 410-795-5670

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

ADDRESS: 14542 Monticello Drive PROPERTY OWNER: Jaren & Angel Heath

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

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

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 217 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 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. 5.0 feet of stone below distribution pipe.
LOCATION:	System must be installed in area of the easement that is closest to the new house while maintaining a 20' setback from the house/garage. Must use schedule 40 piping.
NOTES:	Must pump and collapse existing septic tank & drywell once new house is connected to new septic system. Basement not serviced by gravity.

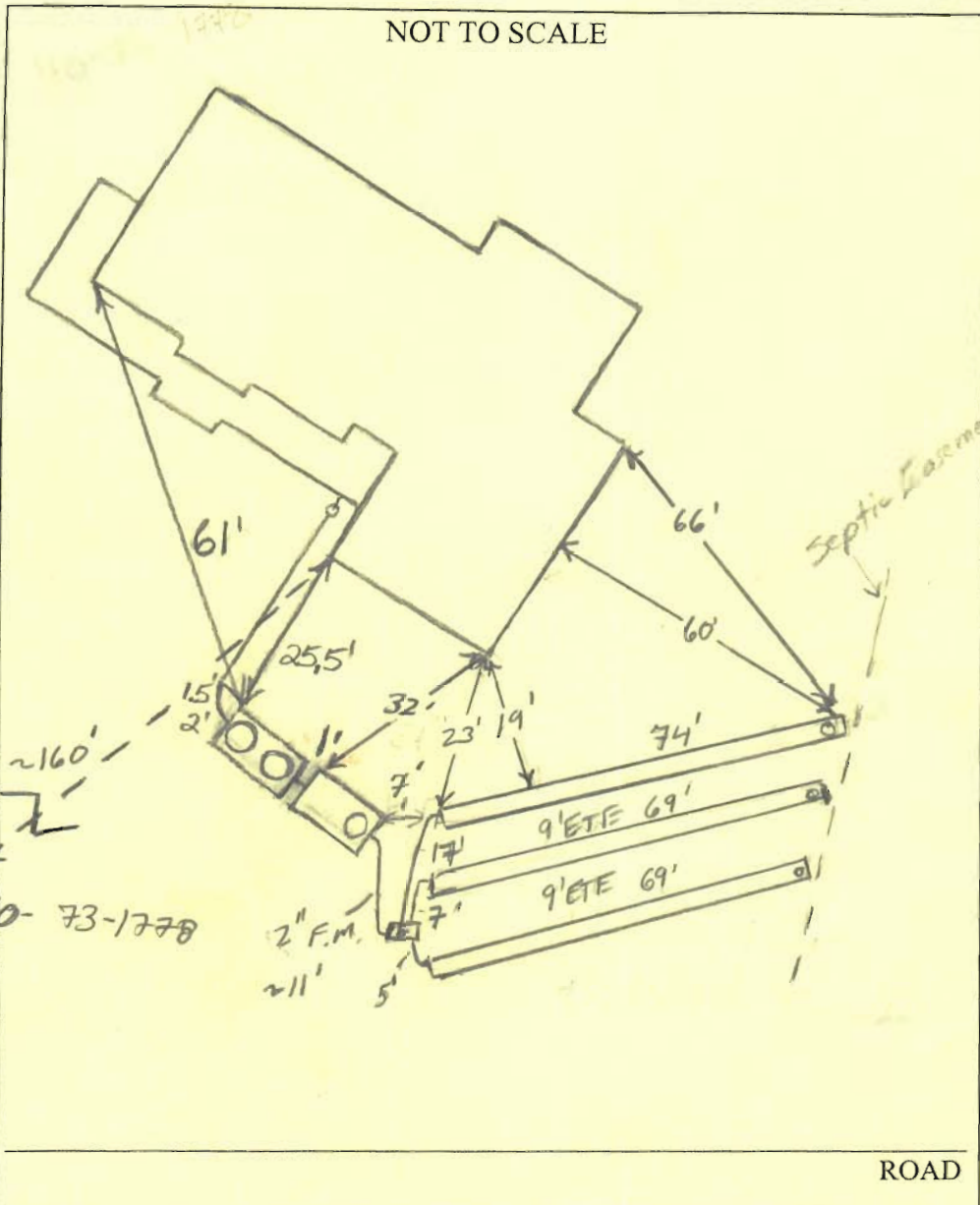
PLANS APPROVED: Sara Fegel Reviewed by: \_\_\_\_\_ DATE: 6/27/2006

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**

A 5 21 449

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		3'
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL <u>lowers</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>Yes</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2.5-3.5'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>None</u>
MANHOLE LOC	<u>Front+Rear</u>
6" PORT LOC	<u>None</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>Yes</u>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>3-4</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>None</u>
MANHOLE LOC	<u>Rear</u>
6" PORT LOC	<u>None</u>
WATERTIGHT TEST	<u>No</u>

PRE-CONSTRUCTION 3/22/07 Toggles installed tanks in wrong location.  
 INSTALLATION remaining septic easement. Start trenches as far from septic tanks as possible. Tank holes were very rocky. Call office if excessive rock is encountered. (BB)  
 3/23/07. Finished trenches. F.M. installed. Ran trenches on contour to edge of septic easement. Need P/A test.  
 4/12/07 P/A test ok. Pump is sitting on logs (rice) no block. 3 stage pump. system OK.

FINAL INSPECTOR K. Wolf DATE OF APPROVAL 4/12/07

BY THE ENGINEER:  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL, EROSION CONTROL AND VEGETABLE PLANTING IS 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* 4/24/06 3-19-07  
 SIGNATURE OF ENGINEER DATE

DEVELOPERS CERTIFICATE  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY EROSION CONTROL MEASURES INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDING AT A MEETING OF THE HOWARD SOIL CONSERVATION DISTRICT TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS TO REMOVE ANY EROSION CONTROL MEASURES AS DEEMED NECESSARY.

*Alfred L. Howard* (604 Group) 3/19/07  
 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. DATE  
 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 set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the following table:

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

1. Topsoil shall be a loam, sandy loam, clay loam, silty 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. Regardless, topsoil shall not be a mixture of contrasting textures. Rooted plants, grasses, weeds, tree stumps, roots, stumps, logs, stones, wire, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1/4" in diameter shall be removed.

2. 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.

3. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 LBS/1,000 SQ. FT. (2-4 LBS/1,000 SQ. FT. PER ACRE) 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.

4. For sites having disturbed areas under 5 acres.

5. For sites having disturbed areas over 5 acres.

6. 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 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 establishment of phyto-toxic materials.

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

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

8. For sites having disturbed areas under 5 acres.

9. For sites having disturbed areas over 5 acres.

10. 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.

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

11. 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

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

2. Grades on the areas to be topsoiled, which have been previously established, shall be maintained at least 1/4" higher in elevation.

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

4. No operation 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.

5. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition unless the subsoil is excessively wet or in a condition which may otherwise be detrimental to proper grading and seedbed preparation.

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

7. Composted sludge material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to ensure the sludge is suitable for sites having disturbed areas under 5 acres shall conform to the following 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.

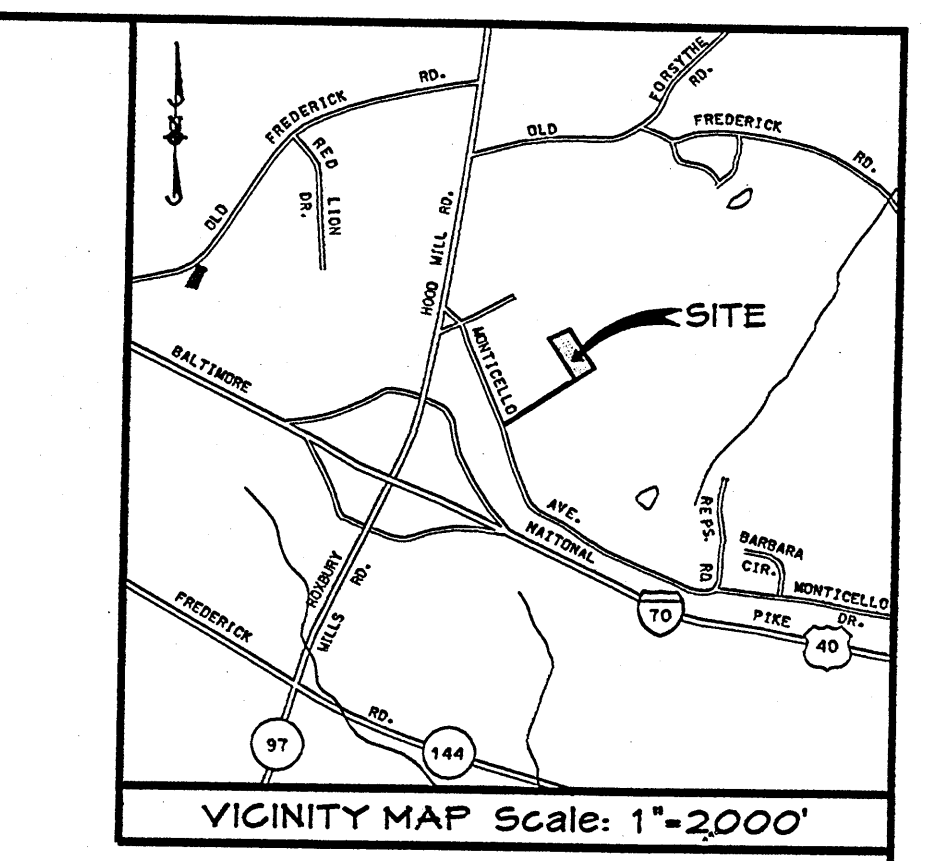
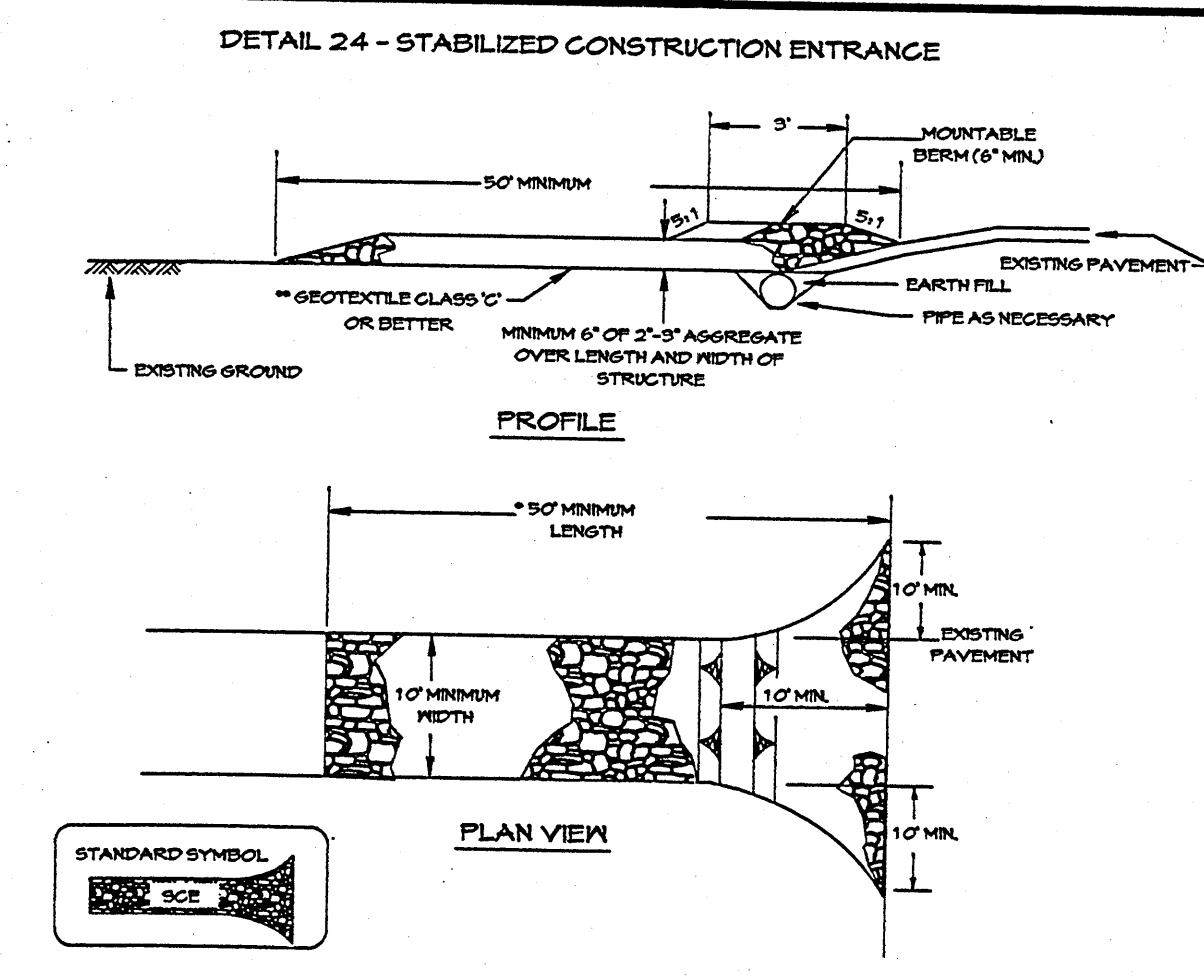
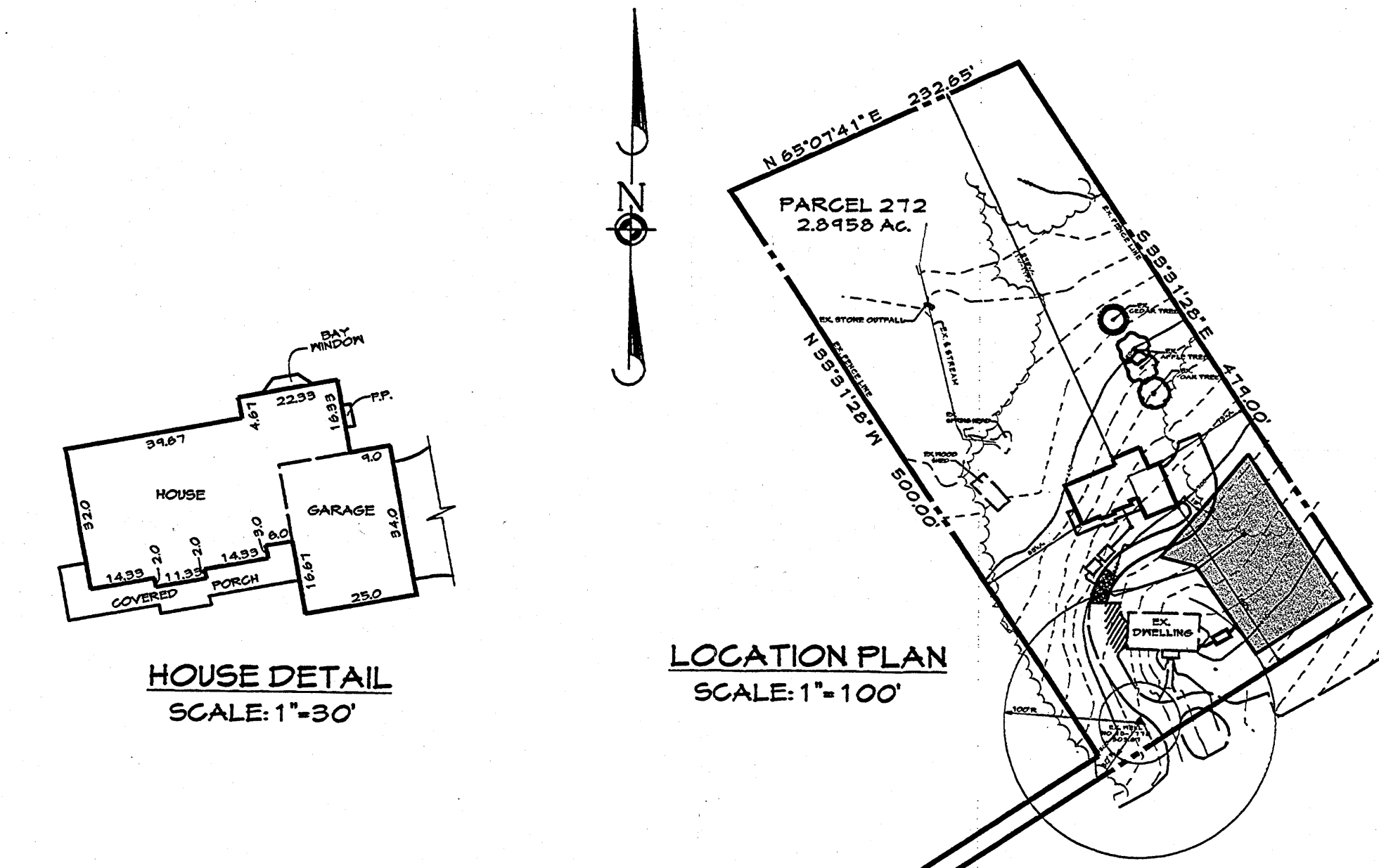
b) Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.

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

8. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 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 (5-13-1955).
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 the soil disturbance or no-disturbance, permanent or temporary stabilization shall be completed within 72 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1 to 14:1 slope as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12 of the HOWARD COUNTY DESIGN MANUAL, Section 12.01.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1974 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (for permanent seeding (Sec. 5.2), 5.1), sod (Sec. 5.4), temporary seeding (Sec. 5.0) and mulching (Sec. 5.2). Temporary stabilization with mulch alone can only be done when recommended seeding dates 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: 2.8958 Acres  
 Area Disturbed: 0.8119 Acres / 22,120 S.F.  
 Area to be roofed or paved: 0.11 Acres / 4800 S.F.  
 Area to be vegetatively stabilized: 1.9799 Acres  
 Total Cut: 400 Cu Yds.  
 Total Fill: 400 Cu Yds.  
 Offsite waste/borrow area location: \_\_\_\_\_
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 disturbing 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 working shift/evening is shorter.

**HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONGEVITOUS VEGETATIVE COVER IS DESIRED.

SEEDING 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 DOLOMITE LIMESTONE (14 LBS./1,000 SQ. FT.) AND 300 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA FORM FERTILIZER (14 LBS./1,000 SQ. FT.)
2. ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (14 LBS./1,000 SQ. FT.) AND 1,000 LBS. PER ACRE 10-10-10 FERTILIZER (28 LBS./1,000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (14 LBS./1,000 SQ. FT.) OF THE PERIOD OF SEEDING FOR THE PERIOD OF MAY 1 THROUGH JULY 31, SEED WITH 60 LBS. PER ACRE (14 LBS./1,000 SQ. FT.) OF THE PERIOD OF SEEDING FOR THE PERIOD OF SEPTEMBER 1 THROUGH FEBRUARY 28, PROTECT SITE AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE 50% MELCH WITH 2 TONS PER ACRE (10 TO 20 LBS./1,000 SQ. FT.) OF UNROTTED NEEDLE FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 2 1/2 GALLONS PER ACRE (5 GAL./1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON TYPICAL AREAS ON SLOPES OF 9 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1,000 SQ. FT.) FOR ANCHORING.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 20 LBS./1,000 SQ. FT.) OF UNROTTED NEEDLE FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 2 1/2 GALLONS PER ACRE (5 GAL./1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON TYPICAL AREAS ON SLOPES OF 9 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 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.

SEEDING 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 MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF PEEPING LOVEGRASS (0.7 LBS./1,000 SQ. FT.) FOR THE PERIOD OF SEPTEMBER 1 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF NEEDLE ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 20 LBS./1,000 SQ. FT.) OF UNROTTED NEEDLE FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 2 1/2 GALLONS PER ACRE (5 GAL./1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON TYPICAL AREAS ON SLOPES OF 9 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 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.

**PUMP CHAMBER NOTES**

1. PUMP CHAMBER COUNTY HEALTH DEPARTMENT NO.
2. PROPOSED 1500 GALLON CHAMBER.
3. INVERT AT PUMP CHAMBER 425.2.
4. INVERT AT PUMP CHAMBER 422.7.
5. PROPOSED GRADE OVER PUMP CHAMBER 426.0.

**SEPTIC SYSTEM NOTES**

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.
  2. PROPOSED 1500 GALLON SEPTIC TANK.
  3. A. FIRST FLOOR ELEVATION: 443.0
  4. B. BASEMENT ELEVATION: 443.40
  5. C. INVERT OF SEPTIC SYSTEM AT: 435.5
  6. D. INVERT AT SEPTIC TANK: 443.0
  7. PROPOSED GRADE OVER SEPTIC TANK: 446.3
  8. INVERT AT DISTRIBUTION BOX: 502.5
  9. EXISTING GROUND OVER DISTRIBUTION BOX: 504.5
  4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
  5. ALL BACKFILL, BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- BUILDER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DRILLING START.

**GENERAL NOTES**

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL AGREEMENTS OF AN 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. THERE ARE NO EXISTING WELLS AND/OR SEPTIC AREAS WITHIN 100 FEET OF THIS PROPERTY, FROM FIELD INSPECTION BY G.L.S.I. INC.
4. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
5. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
6. EXISTING DWELLING TO REMAIN OCCUPIED BY OWNER UNTIL PROPOSED HOUSE IS CONSTRUCTED AND HAS BEEN ISSUED A U & O OCCUPANCY PERMIT. AT THIS TIME EXISTING DWELING CAN BE RAZED AND ALSO EXISTING SEPTIC TANK AND DRY WELL TO BE ABANDONED.
7. STORMWATER MANAGEMENT IS WAIVED BECAUSE THE TOTAL IMPERVIOUS AREA OF 4,800 S.F. IS IN ACCORDANCE WITH M.D.E. AND HOWARD COUNTY REQUIREMENTS.

L.O.D. - DENOTES LIMIT OF DISTURBANCE TOTAL AREA=28,720 S.F.

NOTE: TOTAL PROPOSED IMPERVIOUS AREA INCLUDING DRIVEWAY & HOUSE ROOF TOPS=4,800 S.F.

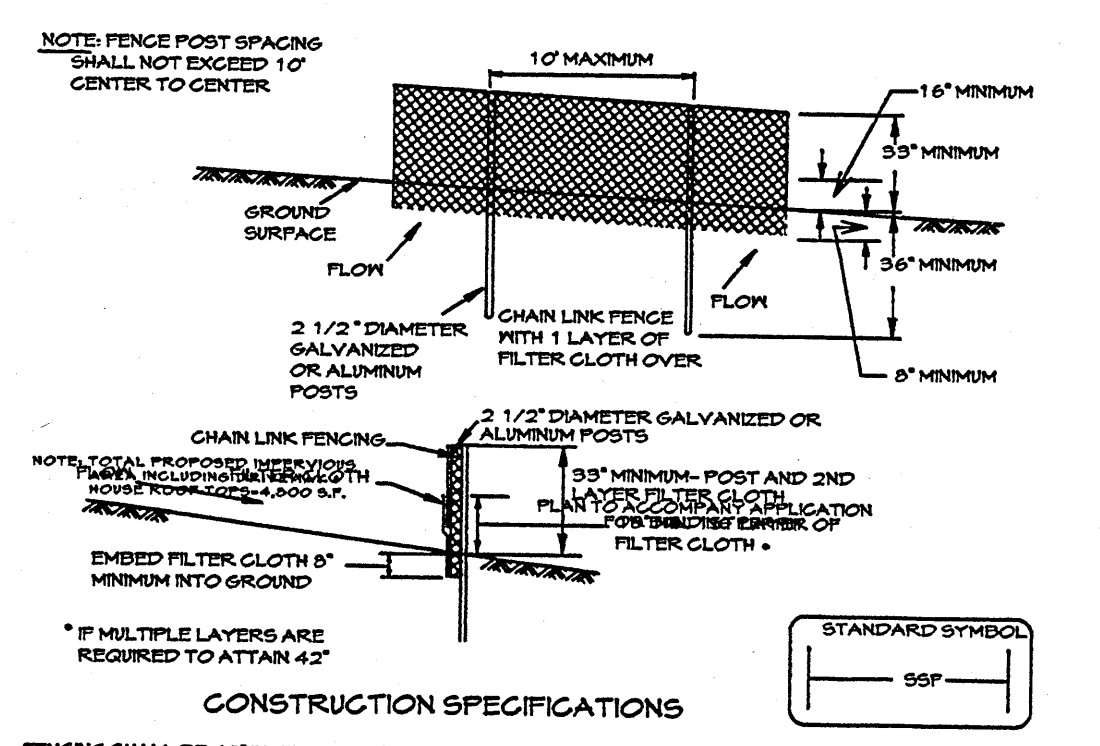
NOTE: "The existing well(s) shown on this plan (identified with the attached well tag number ex. HO 73-1778) has been field located by Carroll Land Services Inc. professional land surveyor(s) and its accurately shown."

1. LENGTH - MINIMUM OF 50' (50' FOR 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 GRASS 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 BERM 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 PIPE 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 HILL 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.

**LEGEND**

- DENOTES EX. PORTION OF DRIVEWAY TO BE REMOVED
- DENOTES HUNG SEWER
- DENOTES STABILIZED CONSTRUCTION ENTRANCE (SCE)
- DENOTES OVERLAND FLOW DIRECTION
- DENOTES EXISTING CONTOURS
- DENOTES SILT FENCE
- DENOTES SUPER SILT FENCE
- DENOTES LIMIT OF DISTURBANCE

**DETAIL 33 - SUPER SILT FENCE**



NOTE: FENCE POST SPACING SHALL NOT EXCEED 16' CENTER TO CENTER.

NOTE: TOTAL PROPOSED IMPERVIOUS AREA FROM THIS PLAN IS 4,800 S.F.

\* IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 4"

**CONSTRUCTION SPECIFICATIONS**

1. THE POLES DO NOT NEED TO SET IN CONCRETE.
2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH 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 BUILDUP 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 TIES OR STAPLES AT TOP AND MID SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

SLOPE	SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM)	SILT FENCE LENGTH (MAXIMUM)
0 - 10%	0 - 10:1	UNLIMITED	UNLIMITED
10 - 20%	10:1 - 5:1	200 FEET	1,500 FEET
20 - 33%	5:1 - 3:1	100 FEET	1,000 FEET
33 - 50%	3:1 - 2:1	100 FEET	500 FEET
50% +	2:1 +	50 FEET	250 FEET

**DESIGN CRITERIA**

TENSILE STRENGTH	50 LBS./IN (MIN)	TEST: MSMT 504
TENSILE MODULUS	20 LBS./IN (MIN)	TEST: MSMT 504
FLOW RATE	0.3 GAL./FT <sup>2</sup> /MINUTE (MAX)	TEST: MSMT 322
FILTERING EFFICIENCY	75% (MIN)	TEST: MSMT 322

**OWNERS**

JEREMY & ANGEL HEATH  
 14542 MONTICELLO DRIVE  
 COOKSVILLE, MARYLAND 21723-9622

DATE	REVISIONS	JEP
6/14/06	REVISE SEPTIC AREA, ADDED DRY WELL, & SEPTIC TANK TO BE ABANDONED	JEP
6/23/06	ADDED NOTE FOR RAVER OF SWM	JEP
6/23/06	ADDED SEPTIC TANK ELEVATIONS, REMOVE EX. TRENCHES AS PER HOWARD COUNTY	JEP
6/20/06	ADD PUMP CHAMBER NOTES, REMOVE GRASSES, & RELOCATE DISTRIBUTION BOX	JEP
6/09/06	RESITE HOUSE SEPTIC TANK, DIST. BOX, LOCATIONS, AND REVERSE GRADES	JEP
2/05/07	REVISE HOUSE/LOCATION PER FOUNDATION CERTIFICATION PREPARED ON 4/14/06	JEP
3/01/07	REVISE SEPTIC AREA, RELOCATE INITIAL TRENCHES & REVERSE LOD.	JEP
3/01/07	REVISED SEPTIC AREA, TANK, D.B. AND SHOW EJECTOR PUMP LOCATION	JEP
3/13/07	REVISED AS PER HEALTH DEPARTMENT COMMENTS DATED 3/12/07	JEP



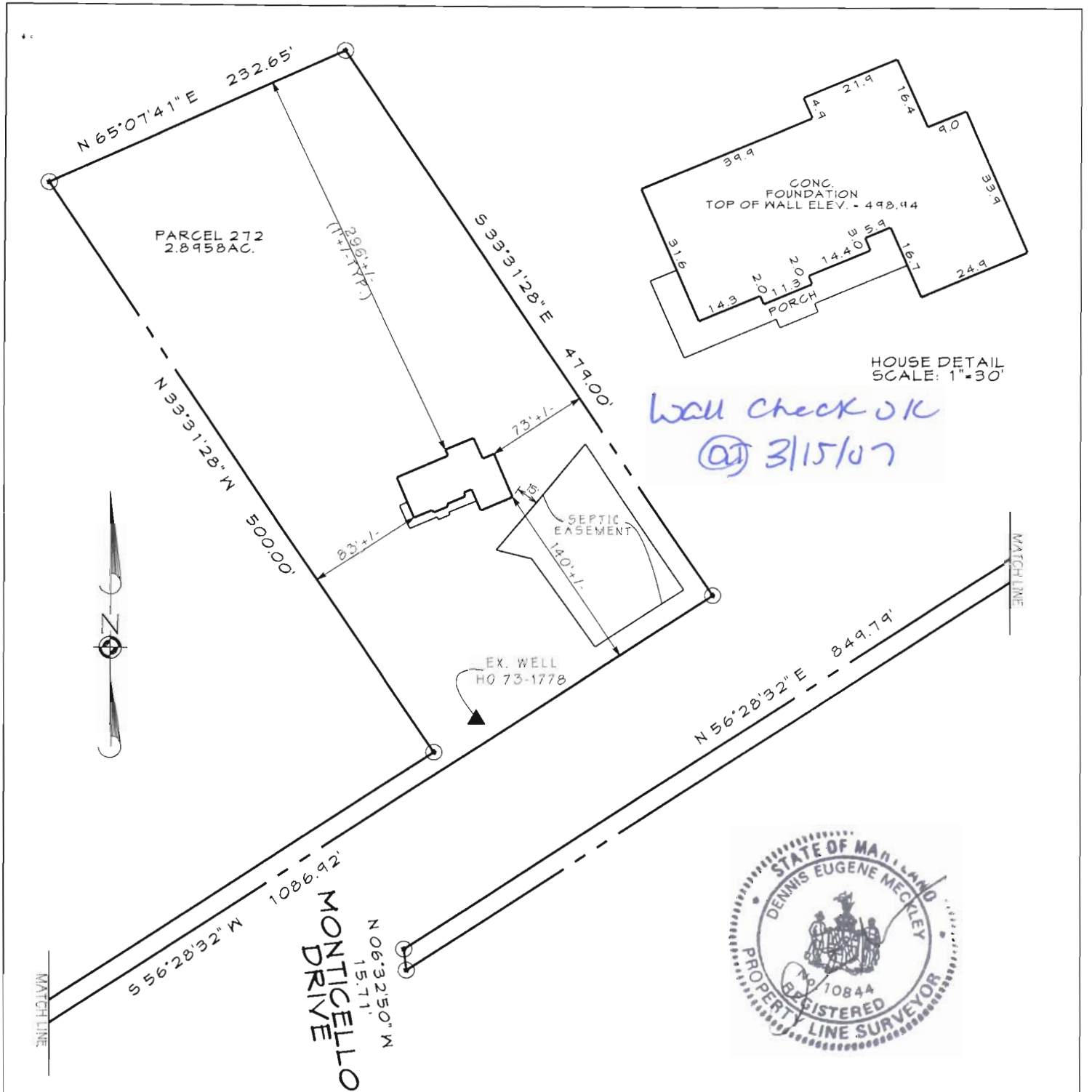
FREDERICK OFFICE: 5311 Fitzgerald Court, Suite B, Frederick, MD 21704-8318 (301) 663-1799 FAX (301) 662-8004

WESTMINSTER OFFICE: 439 East Main Street, Westminster, MD 21157-5339 (301) 648-1799 FAX (301) 648-1791

Professional Engineer Registration No. 23446  
 Date: 1/26/06  
 Drawing No.: 2005914  
 County File No.:

**PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT**

**PLOT PLAN**  
 PARCEL 272  
 MONTICELLO AVE  
 14542 MONTICELLO DRIVE  
 4TH ELECTION DISTRICT HOWARD COUNTY, MD.  
 DEED REF: 5490/300



A licensed Maryland Surveyor either personally prepared this Location Drawing, or was in responsible charge over its preparation and the surveying work reflected in it, in compliance with the Maryland Minimum Standards of Practice for Land Surveyors.

I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is a benefit to the consumer only in so far as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements.

By Dennis E. Meckley Date 3/13/07  
 Dennis E. Meckley Property Line Surveyor No. 10844

FOUNDATION CERTIFICATION FOR

14542 MONTICELLO DRIVE

4TH ELECTION DISTRICT HOWARD COUNTY, MD.  
 DEED REF: 5930/300



FREDERICK OFFICE:  
 8449 Progress Drive, Suite BB  
 Frederick, MD 21703-4823  
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 FAX (301) 662-8004

WESTMINSTER OFFICE:  
 439 East Main Street  
 Westminster, MD 21127-5339  
 (410) 848-1790  
 FAX (410) 848-1795

DRAWN BY:	CDD
DESIGN BY:	
REVIEW BY:	DEM
DATE:	9-14-06
SCALE:	1"=100'
JOB NO:	2005319
SHEET:	1 OF 1