GENERAL NOTES

- 1. The Subject property Zoned "R-12" per 02/02/04 Comprehensive Zoning Plan and per the "Comp Lite" Zoning Regulation
- Amendments effective 7/28/06. 2. This site is located within the Metropolitan District.
- 3. Public water and sewer to be utilized.
- 4. Howard County Soils Map no. 26.
 5. Gross area of site: 1.163 ac.±
 6. Number of proposed buildable lots: 6
- Area of proposed buildable lots: 1,163 ac.±
- 7. In accordance with Section 128 of the Howard County Zoning Regulations, bay
- windows, chimneys of exterior stairways not more than 16 feet in width may project not more than 4 feet into any setbacks, porches or decks, open or enclosed may project not more than 10 feet into the front or rear yard setback. 8. Driveway(s) shall be provided prior to issuance of a use and occupancy permit to ensure safe access for fire and emergency vehicles per the following requirements:
- a.) Width 12 feet (14 feet serving more than one residence);
- b.) Surface six (6th) inches of compacted crusher run base with tar and chip coating (1-1/2th Minimum); c.) Geometry - Maximum 14% grade, Maximum 10% grade change and 45-foot
- d.) Structures (culverts/bridges) capable of supporting 25 gross tons (H25-loading); e.) Drainage elements capable of safely passing 100 year flood with no more
- than I foot depth over surface; f.) Maintenance's - sufficient to ensure all weather use
- 9. Topography is based on an Aerial Topographic Survey prepared by Wings
- Aerial Mapping Co., Inc. in 1993, and supplemented by field run topographic
- by FSH Associates on October, 2005. 10. A.P.F.O. Traffic Study prepared by Mars Group, and approved under
- Sketch Plan S-03-14 on May 11, 2003. 11. Stormwater Management \$ Water Quality is provided as necessary
- through a pond to be a micro pool extended detention pond hazard class 'A' Facility to be owned by the Homeowners Association and jointly maintained with Howard County.
- 12. Wetlands Delineation and Report and Forest Stand Delineation and Report prepared by Exploration Research, Inc. and approved under SP-03-14 on June 12, 2003.
- 13. There are no historic structures or cemeteries on-site.
- 14. 100-Year Floodplain study prepared by FSH Associates and approved under P-05-09 on June 30, 2005.
- 15. Previous Howard County file numbers: F-06-008; F-02-163; F-93-83; S-03-14; P-05-09; WP-06-02; 14-4265-D.
- 16. This plan is subject to the 5th Edition Subdivision and Land Development
- Regulations and to the 1993 Zoning Regulations as amended by CB 50-2001. 17. No grading, removal of vegetative cover or trees, paving and new structures shall be permitted within the required wetlands, stream(s) or their buffers, forest conservation easement areas and 100 year floodplain
- 18. Landscaping for this subdivision is provided in accordance with a Landscape Plan included with the road construction drawings under Howard County Plan F-06-008, in accordance with Section 16.124 of the Howard County Code and the Landscape Manual with the exception of lot 34, which have been addressed within this plan as perimeter one. Landscape surety for this lot is based on the required landscaping of 2 shade tree @ \$300.00 and 3 evergreen trees @ \$150.00 each, in the amount of \$1,050.00, which will be posted with the Grading Permit for lot 34.
- 19. This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual under plan F-06-008.
- 20. This project complies with the requirements of section 16.1200 of the Howard County Code for Forest Conservation under Howard County Plan F-06-008, by planting 2.04 acres of reforestation within Forest Conservation Easement 1, retaining 0.28 acres of forest and planting 0.08 acres of reforestation within Forest Conservation Easement 2, and planting 0.31 acres of reforestation and retaining 0.87 acres of forest within Forest Conservation Easement 3. Total retention = 1.15 ac. Total reforestation provided = 2.43 ac. \$62,944.30 surety to be posted with the Developer's Agreement. Requested Fee-in-lieu for 0.12 ac remaining obligation is \$2,613.50.
- 21. All existing wells and septic systems have been abandoned under F-06-008.
- 22. The coordinates shown hereon are based upon the Howard County Geodetic Control which is based on the Maryland State Plane Coordinate system. Howard County monument numbers 38D5 and 38D6 were used for this project. (See Vicinity Map)
- 23. The lots shown hereon comply with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
- 24. For flag or pipestern lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestern and road right-of-way line and not onto the pipestern lot driveway.
- 25. The contractor shall notify the following utility companies or agencies at least five(5) working days before starting work shown on these plans:
 - State Highway Administration BGE(contractor services) BGE(underground damage control)
- 410,850,4620 410.787.9068 1.800.257.777 410.795.1390

410.313.4900

410.313.2640

- Miss Utility Colonial Pipeline Company Howard County, Dept. of Public Works, Bureau of Utilities Howard County Health Department
- 26. The contractor shall notify Miss Utility at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- 27. The contractor shall notify the Department of Public Works/Bureau of Engineering Construction Inspection Division at (410) 313-1880 at least five (5) working days prior the start of work.
- All fills for public road surfaces require 95% compaction (AASHTO-T-180). 28. All construction shall be in accordance with the latest standards and specifications of Howard
- County plus MSHA standards and specifications if applicable. 29. All water house connections shall be for outside metering settings.
- 30. Contractor to verify all dimensions in the field and in case of discrepancy contact the
- 31. Additional Open Space was provided with the provision of reduced minimum lot size as
- 32. An existing 5'x20' concrete Refuse and Recycling Collection Pad is to be utilized by residents living on Mary Theresa Court. Maintenance obligations are set in the Private Access Place Maintencance Agreement recorded among the Land Records of Howard County.

SITE ANALYSIS DATA CHART

- a. Total project area: 1.163 Acres± b. Area of plan submission: 1.163 Acres±
- c. Limit of disturbed area: 1.309 Acres±
- c. Subject property Zoned "R-12" per 02/02/04 Comprehensive Zoning Plan and per the "Comp Lite" Zoning Regulation Amendments effective 7/28/06.
- d. Proposed uses for site \$ structures: Single Family Detached Dwellings e. Floor space on each level of building(s) per use: See house templates.
- f. Building coverage of site: 0.416 Acres or 35.8% of Gross Area. g. DPZ file references: F-06-008; F-02-163; F-93-83; S-03-14; P-05-09

PROFESSIONAL CERTIFICATION

hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

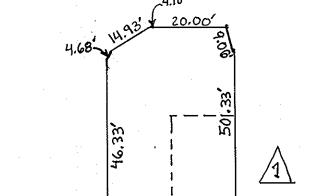
DEVELOPMENT ENGINEERING DIVISION 3.8.

DIVISION OF LAND DEVELOPMENT 300

engineer under the laws of the State of Maryland,

License No. #22418, Expiration Date: 07/29/2009.

- WP-06-02; 14-4265-D
- h. Total number of units proposed for this submission: 6



VAN BUREN-ALL OPT. ANGELINA- ALL OPT.

ALISON-ALLOPT. ANDREW - ALL OPT. EXCEPT OPT. GARAGE AARON- ALL OPT.

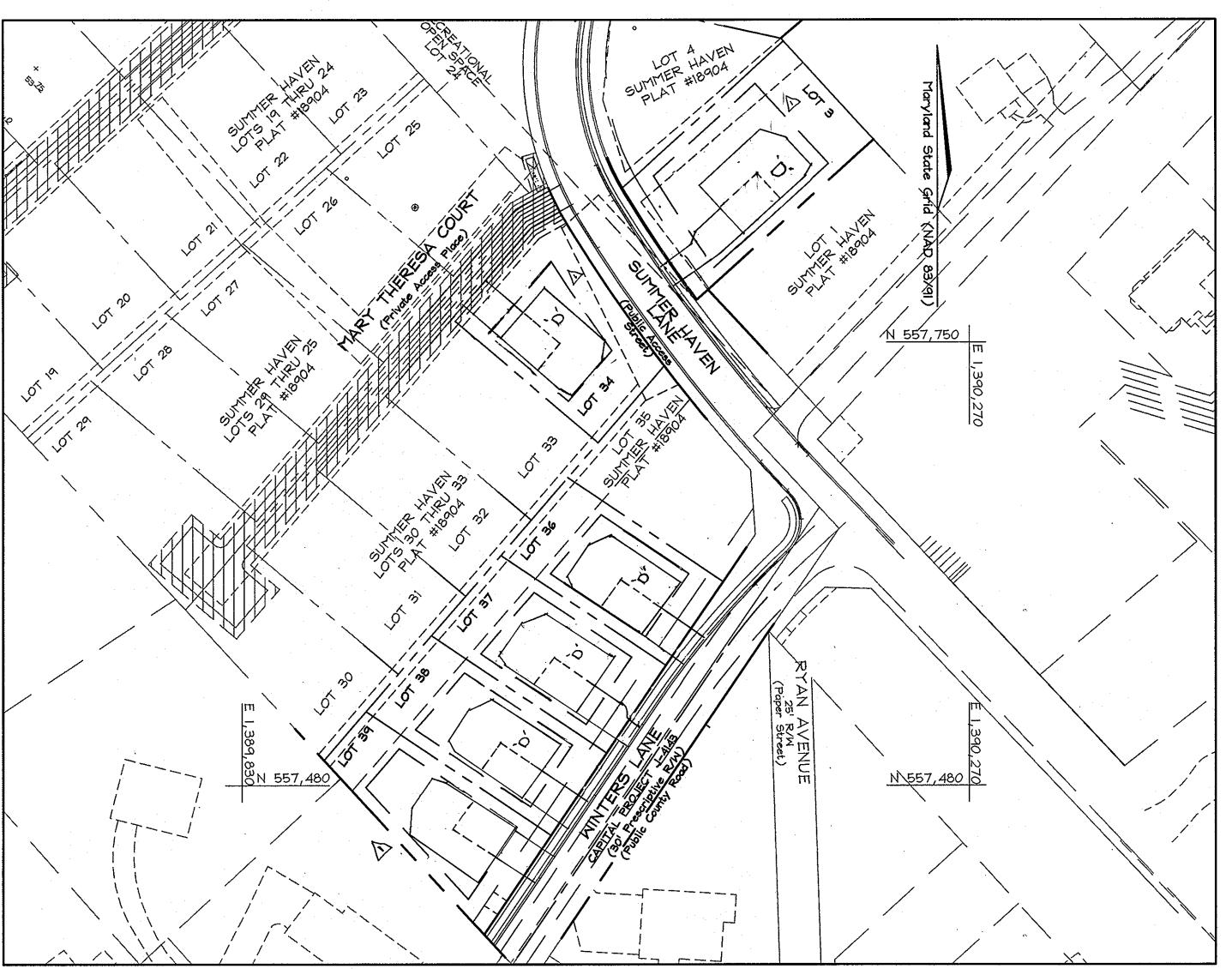
- All Opt. Except Wra en - All Opt.

All Opt. Except Conse

- All Opt. Except Cons

SITE DEVELOPMENT PLAN SUMMER HAVEN

LOTS 3, 34 \$ 36 THRU 39 HOWARD COUNTY, MARYLAND



LOCATION MAP

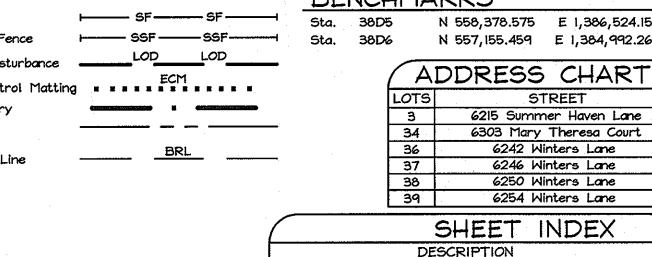
SCALE: 1"=50"

Essex II - All Options Except Conservatory

Providence - Does Not Fit Princeton III \$ IV - 11 Op

Porch and Library

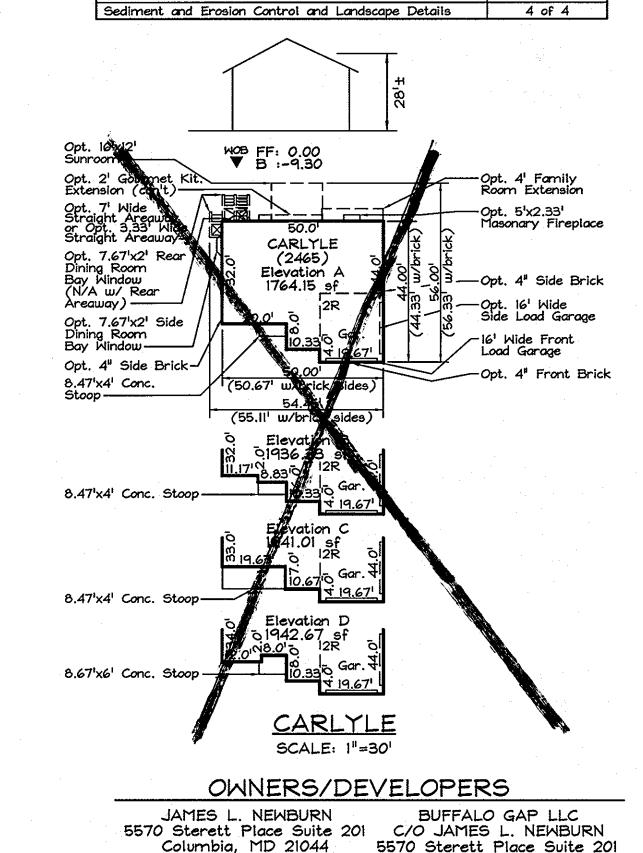
LEGEND Existing Contour Proposed Contour Spot Elevation Direction of Flow Existing Trees per F-06-008 Proposed Shade Trees Proposed Evergreen Trees Landscape Perimeter Fire Hydrant Access Easement Drainage and Utility Easement VICINITY MAP Tree Maintenance Easement SCALE:1"=20001 HOWARD COUNTY ADC MAP 17 G9 Stabilized Construction BENCHMARKS N 558,378.575 E 1,386,524.158 EL: 193.726 (feet) N 557,155.459 E 1,384,992.262 El.: 175.228 (feet) ADDRESS CHART STREET

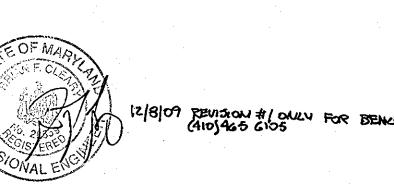


Cover Sheet

Site Development and Grading Plan

Sediment and Erosion Control Plan





REVISION # / ONLY FOR BENCHMARK BUS. INC.

TAX MAP 38 GRID 14 IST ELECTION DISTRICT 12-8-09 ADDED & REV. GEN. BOXES ON LOTS 3, 34 & 36-39 PERMIT INFORMATION CHART Section/Area Subdivision Name: 3, 34, 36-39 Elect. District Census Tract 18902 - 18904 7.22418 Sewer Code Water Code 2150300

COVER SHEET SUMMER HAVEN

PHASE I AND II LOTS 3, 34 \$ 36 THRU 39 Single Family Detached Plat #18902 - 18904

(410) 997-3815

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

DESIGN BY: ____FSH DRAWN BY: RI CHECKED BY: ZYF SCALE: As Shown DATE: <u>March 13, 2008</u> W.O. No.: _____3157 SHEET No. _1_ OF _4_

PARCEL 987 HOWARD COUNTY, MARYLAND

SHEET No.

1 of 4

2 of 4

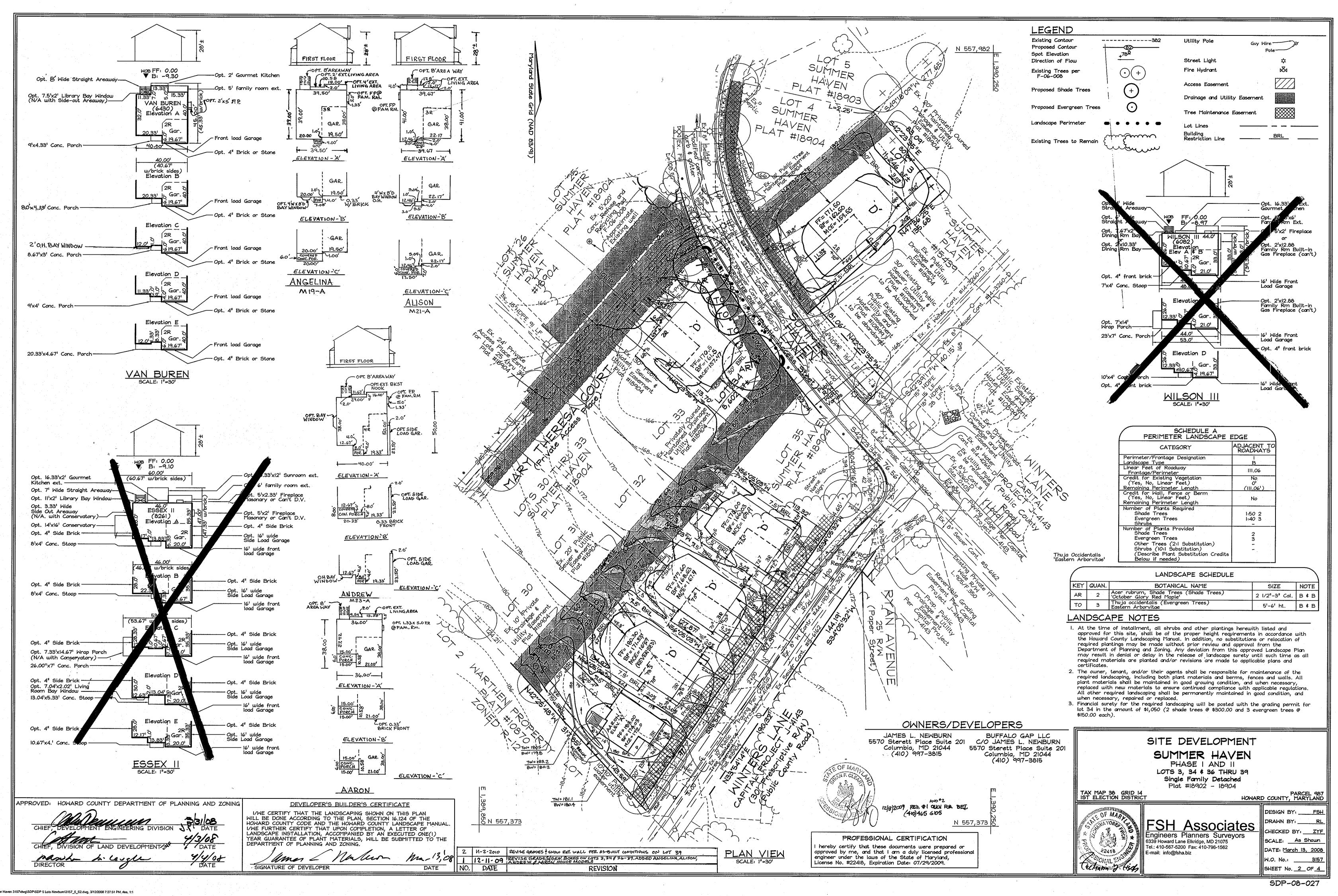
3 of 4

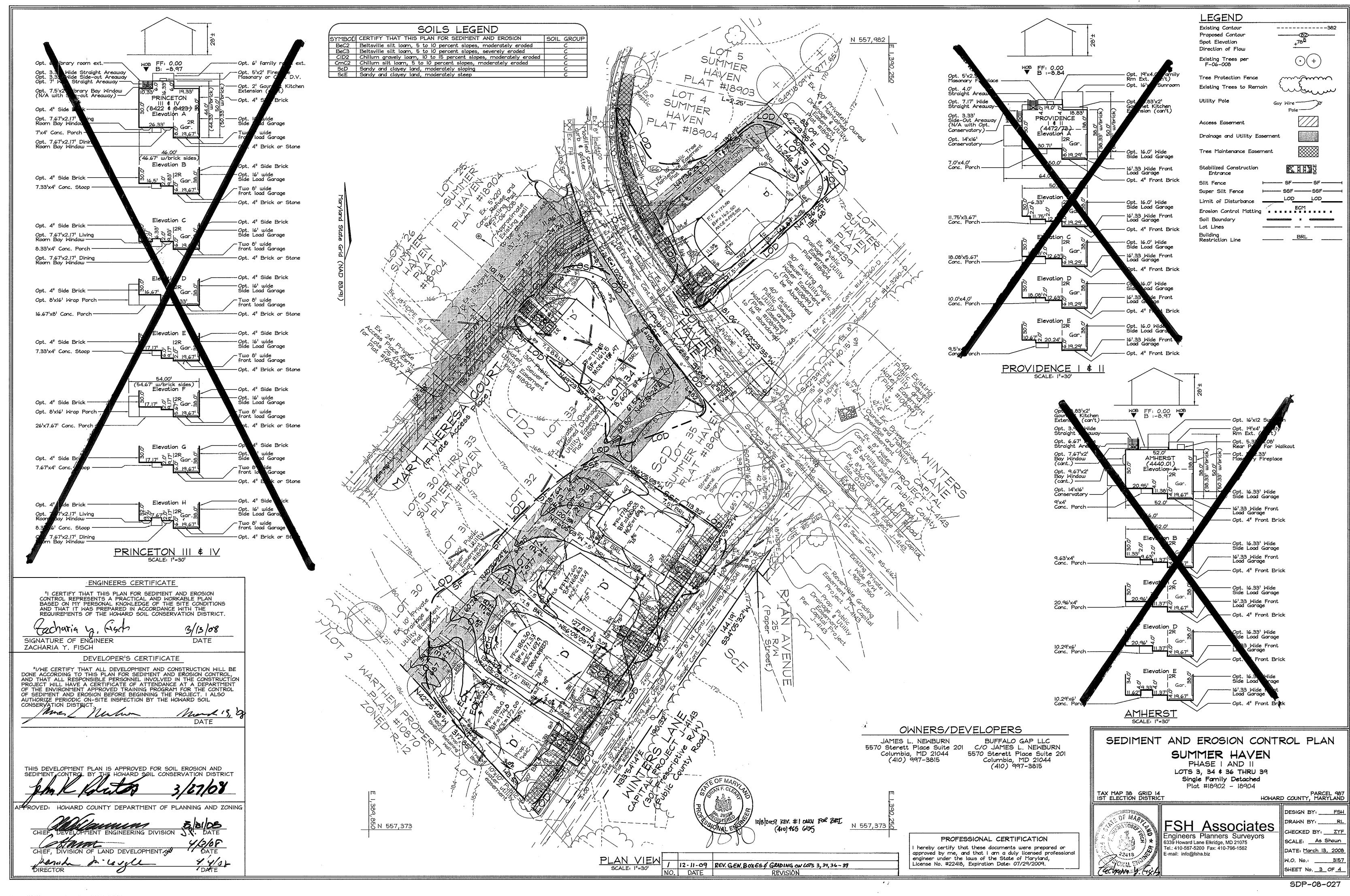
4 of 4

M:\Summer Haven 3157\dwg\SDP\SDP 5 Lots Newburn\3157 5f S1.dwg, 3/12/2008 7:25:50 PM, dee, 1:

SDP-08-027

Columbia, MD 21044





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

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

1) Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs/ 100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./ 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sa.ft.)

2) Acceptable-Apply 2 tons per acre dolomatic limestone (92 lbs/ 1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10- fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March I thru April 30, and August I thru October 15, seed with 60 lbs. per acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May I thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (05 lbs/1000 saft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible n the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq, ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft).

SEEDING: For periods March I thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq.ft.) For the period May I thru August 14, seed with 3 1bs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the sprina, or use sod

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT

SEDIMENT CONTROL NOTES

. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (410-313-1855).

2. All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL; and revisions thereto.

3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 days 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 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulchina (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of arasses

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

7. Site Analysis

Total	Area	1.163 Acres
Area	Disturbed	1.309 Acres
	to beroofed or paved	0.416 Acres
Area	to be vegetatively stabilized	0.893 Acres
Total	Cut	2,500 CY **
Total	Fill	2,500 CY **
Offsi	te waste/borrow area location_	<u> </u>

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 controls 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 within one working day, whichever is shorter.

* Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.

** To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading

SEQUENCE OF CONSTRUCTION

- 1. Obtain grading permit. 2. Notify Howard County Department of Inspections, License and
- any work. 3. Install Stabilized Construction Entrance, Silt Fence, Super Silt
- Fence and repair any damaged existing controls to remain. 4. Rough grade site and begin house construction. (1 week) 5. Fine grade site and install level spreaders. (2 weeks)

6. 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

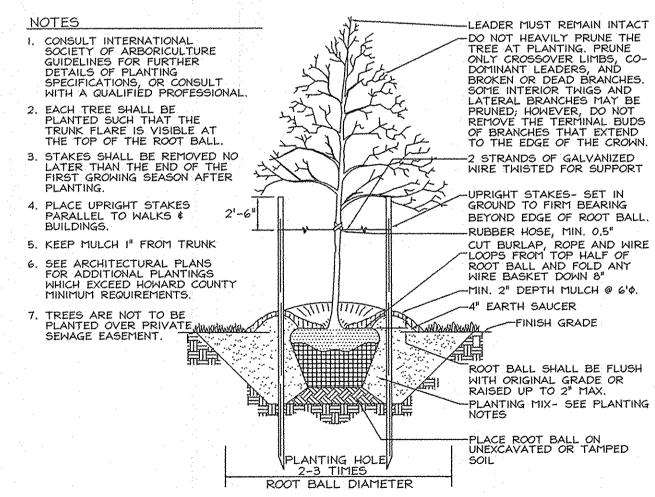
Permits at (410) 313-1880 at least 24 hours before starting

-Following initial soil disturbance or any redisturbances, permanent or temporary stabilization shall be completed within: a. 7 calendar days for all perimeter sediment control structures, dikes, swales and all slopes greater than 3:1. b. 14 calendar days for all other disturbed areas.

-During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.

- PRUNE AS DIRECTED ---- RUBBER HOSE - WIRE GUYS - TURNBUCKLES NOTE : ALL MATERIALS AS SPECIFIED 2" MULCH - PLANT SAUCER REMOVE BURLAP FROM TOP 1/3 OF BALL - 2"X4"X3" WOOD STAKES - BACKFILL MATERIAL -PLACE ROOT BALL ON UNEXCAVATED OR TAMPED - I'-O" ALL SIDES

TYPICAL EVERGREEN TREE PLANTING DETAIL



TYPICAL TREE PLANTING AND STAKING DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE

Tachatin

ZACHARIA Y. FISCH

SIGNATURE OF ENGINEER

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation. Purpose

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content. low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation. Conditions Where Practice Applies

I. This practice is limited to areas having 2:1 or flatter slopes where:

- a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
- b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
- c. The original soil to be vegetated contains material toxic to plant growth.
- d. The soil is so acidic that treatment with limestone is not feasible.

II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

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 representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental

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

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 a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger that I and 1/2" in diameter.

ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as

iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/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.

DEFINITION

SPECIFICATIONS

produce the desired effect.

valuable protection if left in place.

<u>References</u>

USDĂ-ARS.~,

DUST CONTROL

To prevent blowing and movement of dust from exposed soil surfaces, reduce on

This practice is applicable to areas subject to dust blowing and movement where

Temporary Methods

1. Mulches - Se standards for vegetative stabilization with mulches only. Mulch

 Vegetative Cover - See standards for temporary vegetative cover.
 Tilage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12" apart. spring-toothed harous, and similar plows are examples of equipment which may

4. Irigation – This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the site be irigated to the point that runoff begins to flow.

5. Bariers - Solid board fences, silt fences, snow fences, burlap fences, strau

bales, and similar material can be used to control air currents and soil blowing

Permanent Vegetation - Se standards for permanent vegetative cover, and

1. Agriculture Handbok 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Los.

Barriers placed at right angles to prevailing curents at intervals of about 10

times their height are efective in controlling soil blowling.

6. Calcium Chloride - Aply at rates that will kep surface moist. May need

permanent stabilization with sod. Existing trees or large shrubs may aford

. Topsoiling - Covering with les erosive soil materials. Se standards for

Agriculture Information Buletin 354. How to Control Wind Erosion

3. Stone - Cover surface with crushed stone or coarse gravel.

Controlling dust blowing and movement on construction sites and roads.

and of-site damage, health hazards, and improve trafic: safety.

Conditions Where Practice Aolies

on and off-site damage is likely without treatment

should be crimped or tacked to prevent blowing.

II. For sites having disturbed areas under 5 acres: i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization

Methods and Materials.

III. 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 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 phyto-toxic materials.

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 ammendments specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

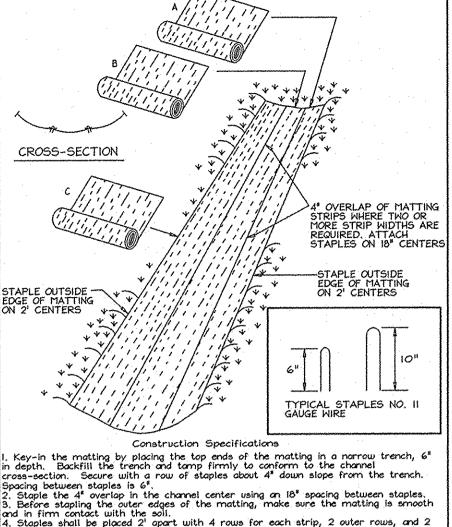
Topsoil Application

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.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4"-8" 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 sodding or seeding can proceed with a minimum of additional soil 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.

Topsoil shall not be place 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 grading and seedbed preparation.



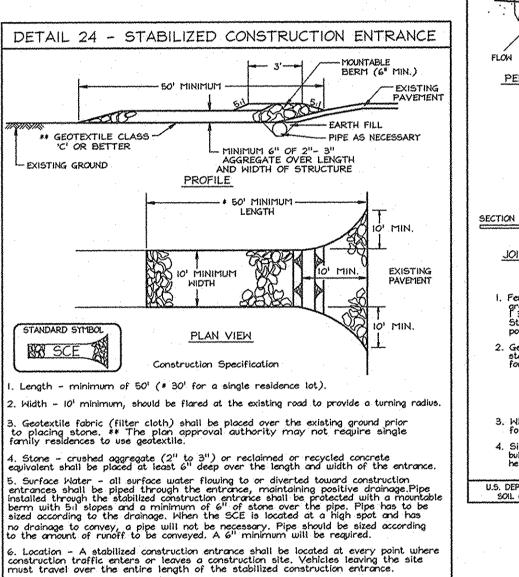
DETAIL 30 - EROSION CONTROL MATTING

Before stapling the outer edges of the matting, make sure the matting is smooth d in firm contact with the soil.

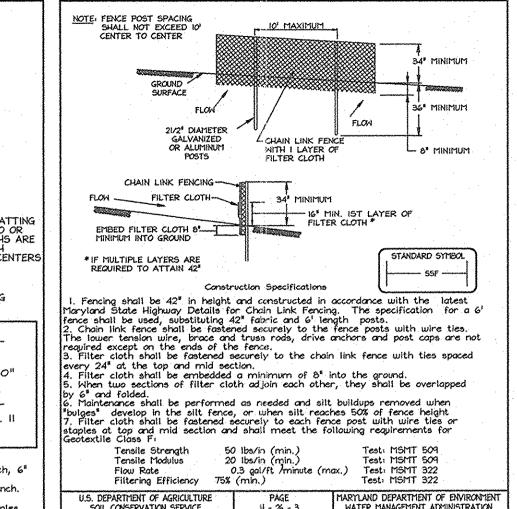
Staples shall be placed 2' opart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.

5. 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.

6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples. frows of staples. Note: If flow will enter from the edge of the matting then the area effected by the U.S. DEPARTMENT OF AGRICULTURE | PAGE | MARYLAND DEPARTMENT OF ENVIRONMEN G - 22 - 2 WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE

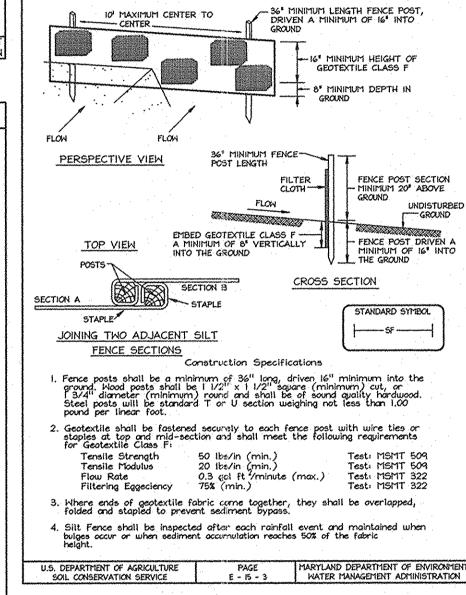


U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE F - 17 - 3 WATER MANAGEMENT ADMINISTRATION



WATER MANAGEMENT ADMINISTRATION

DETAIL 33 - SUPER SILT FENCE



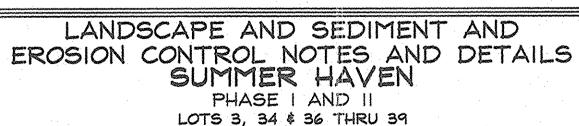
DETAIL 22 - SILT FENCE

Minimum manager somethy bear accompany	SEWER HOUS	SE CONNEC	TION CHAR	
Lot #	Inv. @ Main	Inv. @ R/W	Basement	MCE
3	153.99	154.61	161.50	159.24
34	152.89	153.23	160.64	157.47
36	158.70	158.90	165.51	163.01
37	160.22	160.42	169.01	164.71
38	164.22	164.42	171.51	168.80
39	167.00	167.20	173.41	171.80

OWNERS/DEVELOPERS

JAMES L. NEWBURN 5570 Sterett Place Suite 201 Columbia, MD 21044 (410) 997-3815

BUFFALO GAP LLC C/O JAMES L. NEWBURN 5570 Sterett Place Suite 201 Columbia, MD 21044 (410) 997-3815



Single Family Detached Plat #18902 - 18904

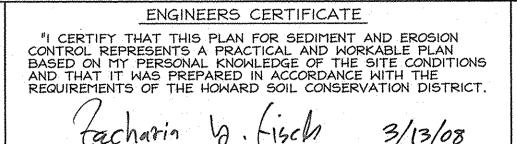
TAX MAP 38 GRID 14 IST ELECTION DISTRICT

ingineers Planners Surveyors 6339 Howard Lane Elkridge, MD 21075 Tel.: 410-567-5200 Fax: 410-796-1562 E-mail: info@fsha.biz

DESIGN BY: FSH DRAWN BY: _____RI CHECKED BY: ZYF SCALE: As Shown DATE: March 13, 2008 W.O. No.: 3157 SHEET No. 4 OF 4

HOWARD COUNTY, MARYLAND

NOT TO SCALE APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING ENGINEERING DIVISION



DATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL. 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. Mulan Mrand 13,00 Marin

DATE

DEVELOPER'S CERTIFICATE