SITE DEVELOPMENT PLAN
MAUSOLEUM EXPANSION SITE
AT MEADOWRIDGE MEMORIAL PARK

SHEET INDEX

DESCRIPTION	SHEET NO.
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Site Development Plan-Phase Two	3 of 11
Sediment and Erosion Control Plan	4 of 11
Sediment and Erosion Control Details	5 of 11
Drainage Area Map, for Storm Drainage	6 of 11

* FOR CONTINUATION OF INDEX SEE SHEET 6.

GENERAL NOTES

1. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
2. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
3. The contractor is to notify the following utilities or agencies at least five days before starting work on these drawings:

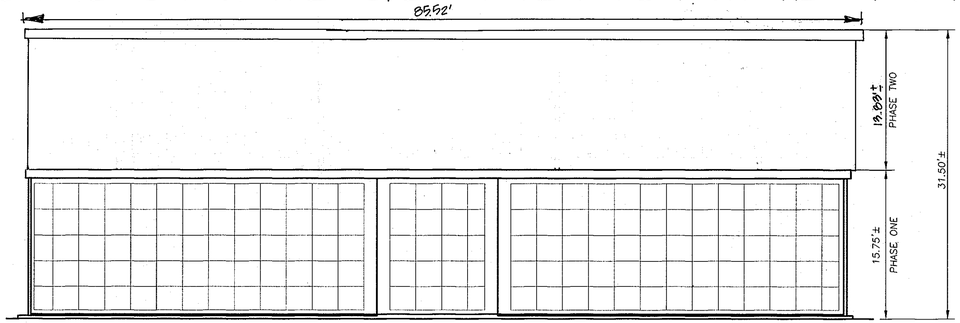
Miss Utility	1-800-257-7777
Bell Atlantic Telephone Company	725-9476
Howard County Bureau of Utilities:	313-2366
AT&T Cable Location Division:	393-3553
B.G.&E. Co. Contractor Services:	850-4620
B.G.&E. Co. Underground Damage Control:	787-4620
State Highway Administration:	531-5533

4. Site analysis:
   Area of site : 86.78 Ac±; \ Area of Submission : 0.32 Ac±
   Present zoning : M-1
   Use of structure : Mausoleum Bldg.
   Proposed number of crypts:
   Phase 1: 300 (150 Tandem.)
   Phase 2: 384 (192 Each Building.)
   Building area (including upper level patio): 4598.5 s.f.
   Phase 1: 1470.6 s.f.
   Phase 2: 1596.0 s.f. (798 s.f. Each Building-excludes uper level patio)
   Building coverage on site : 34% of Disturbed Area.
   Paved parking lot/area on site : N/A
   Area of landscape island : N/A
5. Project background:
   Location : Elkridge , Md.; Tax Map 37, Block 22 and 23 Parcel 178
   Deed References: 152/322 and 1364/99
   Zoning : M-1
   Section/Area : n/a
   Site Area : 140 Ac.±; area of Submission/Limit of Disturbance = 0.32 Ac.
   DPZ references : SDP - 91-05, SDP-94-121, BA-86-25E, BA-90-40E and BA-00-03E, BA-09-026(c) APPROVED 9/30/09
6. 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 to start of work.
7. Any damage to public right-of-ways, paving, or existing utilities will be corrected at the contractor's expense.
8. Existing utilities located from Road Construction Plans, Field Surveys and available record drawings. Approximate location of existing utilities are shown for the contractors information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
9. All storm drain Shall be P.V.C. Sched 40 .
10. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
11. Estimates of earthwork quantities are provided soley for the purpose of calculating fees.
12. Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer.
13. All PVC storm drain pipe bedding shall be per Howard County Standard Detail G2.01
14. Vertical Datum Based on NAD '83 Maryland Coordinate System as Projected by Howard County Geodetic Control Stations No. 43B2 and No. 43B6
    43B2 N 551,649.413 E 1,378,163.021 Elev. = 209.67
    43B6 N 550,595.998 E 1,376,852.126 Elev. = 210.61
15. Horizontal Datum Based on Cemetary Coorinate System.
16. A noise study is not required for this project.
17. Existing topography is based on Field Run Topography by Vogel & Assoc. , February 1999.
18. All curb and gutter to match existing unless otherwise specified.
19. Contractor responsible to construct all handicap parking and handicap access in accordance with current ADA requirements.
20. Where drainage flows away from curb, contractor to reverse the gutter pan.
21. Public Water Not required for this use
22. Public Sewer Not required for this use
23. Stormwater Management is Provided via Existing Stormwater Management Facility Constructed under SDP-91-05
    a. Hazard Class 'A'
    b. Quantity Control by Detention
    b. Quality Control by Retention
24. All exterior lighting shall be proposed under the Architectural Plans and shall be oriented to direct or reflect light inward and downward away from all adjoining public streets and residential areas. All outdoor lighting shall conform to Zoning Regulations Section 134.b.2.
25. All elevations are to flowline unless otherwise noted.
26. All dimensions are to face of curb unless otherwise noted.
27. This plan is conditionally exempt from Forest Conservation requirements with the filing of a Declaration of Intent for a single lot clearing of less than 40,000 square feet of forest in accordance with Section 16.1202(b)(2)(i)a of the Howard County Code and the Forest Conservation Manual.
28. This plan does not require APFO, per Section 4.7 of Howard County Design Manual , Volume III .
29. PVC Storm Drain Pipe to be constructed from Ex.SWM. Facility to within 5' of the Proposed Building under this plan. All other PVC drains and pipe to be Designed under the Architechtural Plans.
30. A Board of Appeals special exception request was approved , for this project to allow a new mausoleum structure to be built on this cemetery site in the M-1 Zoning District per Sections 131.J and 131.N.12 of the Howard County Zoning Regulations.
    - Previous Board of Appeal Case No.: BA-90-40E
    - Previous Site Development Plan No.: SDP-91-05
    - Board of Appeal Case No.: BA-00-03E & BA-09-026 c APPROVED 9/30/2009
    - Approval Date: 6/8/2000
    - Conditions of Approval: Subject to the 2 conditions contained in the Decision and Order
31. Based upon a site inspection by Vogel and Associates ther are no wetlands or 100 year floodplain located within the limits of disturbance for this project.
32. Landscaping for the proposed mausoleum expansion is not required since the limit of disturbance is located 300± feet within the property's interior with no proposed parking lot improvements. Perimeter and right-of-way landscaping is satisfied by credit for existing vegetation in accordance with Section 16.124 of the Howard County Code and the Landscape Manual. No new landscaping is proposed for the site at this time.
33. Parking for the proposed mausoleum wil be provided along the existing private drive.

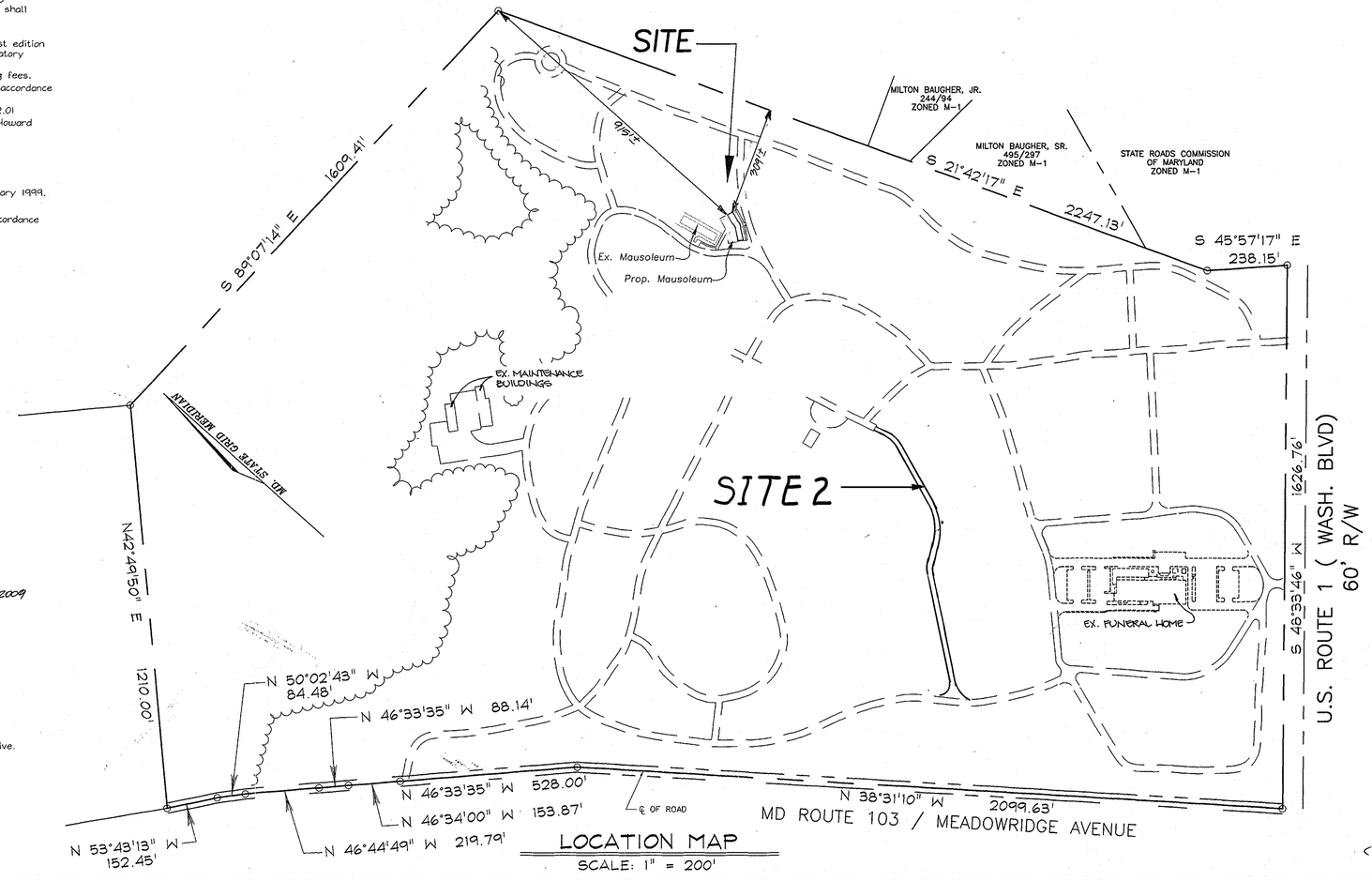
* FOR ADDITIONAL NOTES SEE SHEET 8.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

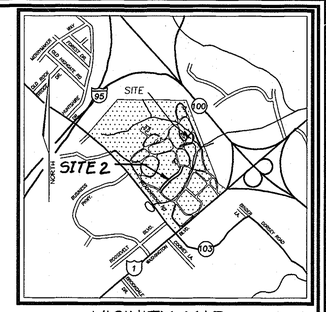
DIRECTOR	DATE 7/24/00
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 7/19/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 7/14/00



ELEVATION
SCALE: 1" = 50'



LOCATION MAP
SCALE: 1" = 200'



VICINITY MAP
SCALE: 1"=2000'

OWNER/ DEVELOPER
HFH, INC.
1929 ALLEN PARKWAY, 8TH FLOOR
HOUSTON, TX. 77019
(713) 525-5587
ATTN: DAVE REYNOLDS

ADDRESS CHART

PARCEL NO.	STREET ADDRESS
178	7250 WASHINGTON BLVD.

PERMIT INFORMATION CHART

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
N/A	22&23	M-1	37	1ST	6012

WATER CODE	SEWER CODE
B02	2153000

NO.	REVISION	DATE
1	ADDITION OF SITE 2; INTERIOR ACCESS ROAD & REVISED SHEET NO. TO TOTAL 10	01/17/07
2	REVISE SECOND PHASE OF PREVIOUSLY APPROVED MAUSOLEUM	12/14/09

MAUSOLEUM EXPANSION SITE AT MEADOWRIDGE MEMORIAL PARK
TITLE SHEET
TAX MAP #37, BLOCK 22 AND 23 PARCEL '178'
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS·SURVEYORS·PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

STATE OF MARYLAND — ROBERT HARRISON VOGEL — No. 16193 — REGISTERED PROFESSIONAL ENGINEER — 6/30/00
ROBERT H. VOGEL, PE No.16193

DESIGN BY: GAH
DRAWN BY: RLP
CHECKED BY: RHV
DATE: SEPT. 1999
SCALE: AS SHOWN
W.O. NO.: 98-134

PREV. HO. CO. FILE NO: SDP-91-05

SHEET 1 OF 11.

SDP-00-43

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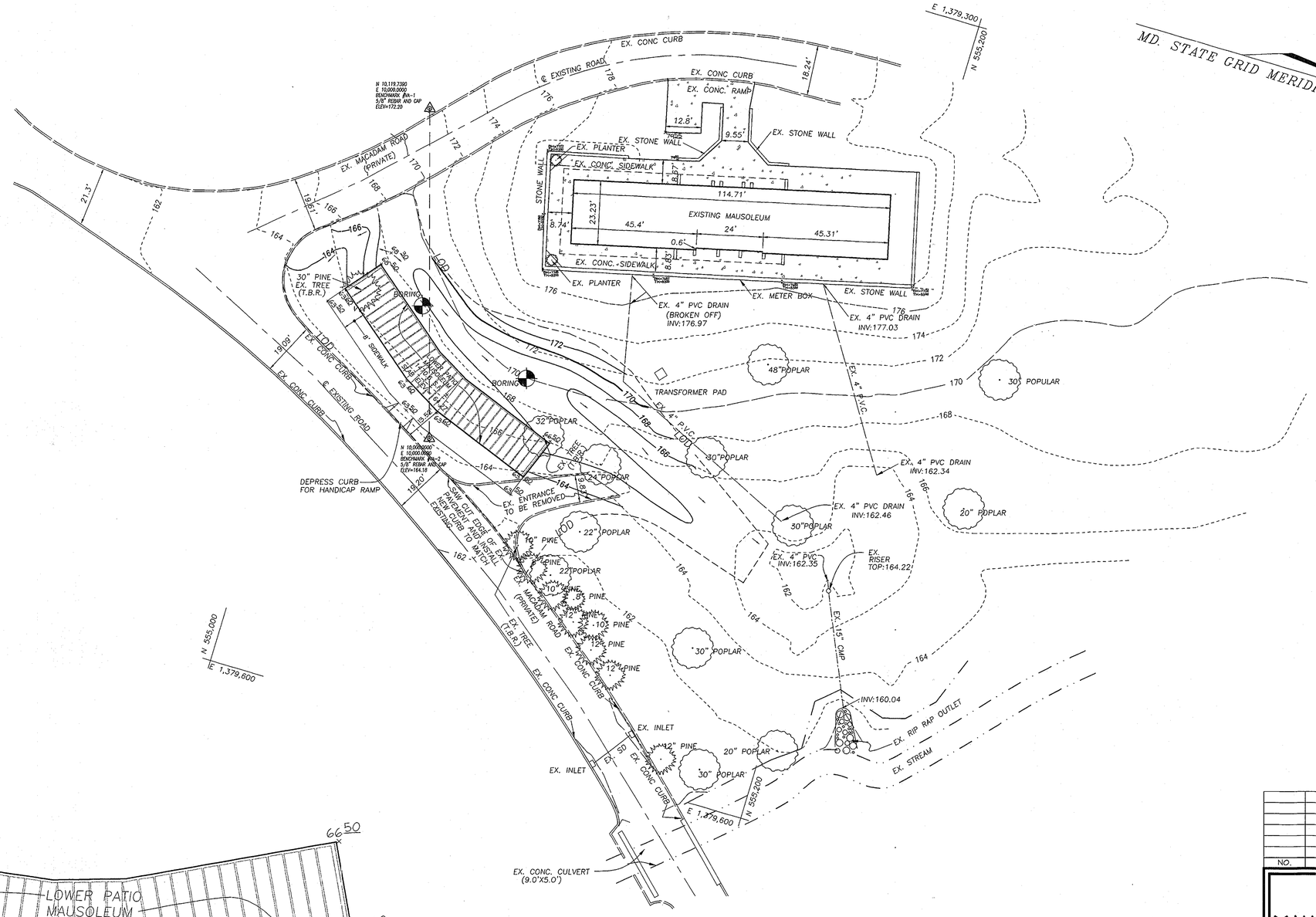

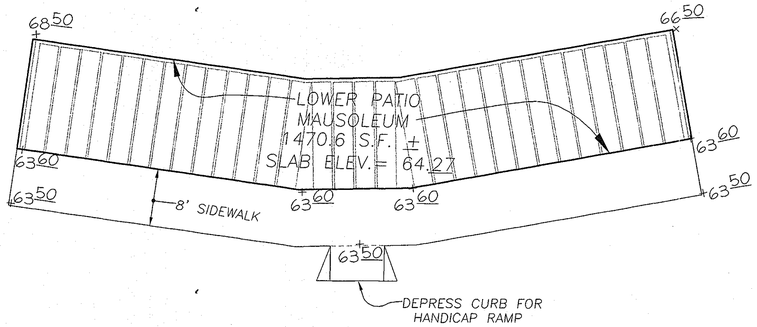

DETAIL

SCALE: 1"=10'

LEGEND

Existing Contour	382
Proposed Contour	82
Spot Elevation	+82.53
Direction of Flow	
Existing Trees to Remain	
Light Poles	Post Top ☼ Overhead ☼

NO.	REVISION	DATE

SITE DEVELOPMENT PLAN
PHASE ONE
MAUSOLEUM EXPANSION SITE AT MEADOWRIDGE MEMORIAL PARK

TAX MAP #37 BLOCK 22 AND 23 PARCEL '178'
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
HFH, INC.
1929 ALLEN PARKWAY, 8TH FLOOR
HOUSTON, TX. 77019
(713) 525-5587
ATTN: DAVE REYNOLDS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE 7/24/00
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 7/19/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE 7/14/00

VOGEL & ASSOCIATES
ENGINEERS•SURVEYORS•PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

STATE OF MARYLAND — ROBERT HARRIS VOGEL — NO. 16195 — REGISTERED PROFESSIONAL ENGINEER — 6/20/00
ROBERT H. VOGEL, PE NO.16195

DESIGN BY: G.A.H.
DRAWN BY: R.L.P./G.A.H.
CHECKED BY: R.H.V.
DATE: SEPT. 1999
SCALE: 1"=20'
W.O. NO.: 98-134

PREV. HO. CO. FILE NO: SDP-91-05

SHEET 2 OF 11

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SDP-00-43

LEGEND

Existing Contour ---------- 382
Proposed Contour ——— 82
Spot Elevation +82.53
Direction of Flow ←
Existing Trees to Remain
Light Poles Post Top ☼ Overhead

MD. STATE GRID MERIDIAN (NAD 83)

N 10,118.2380
E 10,000.0000
BENCHMARK #1=1
5/8" REBAR AND CAP
ELEV=172.20

N 10,000.0000
E 10,000.0000
BENCHMARK #2=2
5/8" REBAR AND CAP
ELEV=164.18

E 1,379,300
N 555,200

EX. CONC CURB
℄ EXISTING ROAD
5' CONC. WALK
EX. MACADAM ROAD (PRIVATE)
LOD
EX. CONC. RAMP
EX. STONE WALL
EX. PLANTER
EX. CONC. SIDEWALK
PROPOSED 8' CONCRETE SIDEWALK
EXISTING MAUSOLEUM
114.71'
23.23'
45.4'
24'
45.31'
0.6'
PLANTER
METER BOX
STONE WALL
4" PVC DRAIN (BROKEN OFF) INV:176.97
4" PVC DRAIN INV:177.03
JSPRING
℄ RELOC. PVC
PROPOSED SPRING HOUSE II
PROPOSED PHASE II MAUSOLEUM
EXISTING PHASE I MAUSOLEUM (BELOW)
PROPOSED PHASE II MAUSOLEUM FOR LAYOUT DETAIL SEE SHEET 7
TRANSFORMER PAD
CLASS I RIP RAP 6'X6'
EX. 4" PVC
48" POPLAR
30" POPLAR
24" POPLAR
22" POPLAR
20" POPLAR
4" PVC DRAIN INV:162.34
4" PVC DRAIN INV:162.46
EX. 4" PVC INV:162.35
EX. RISER TOP:164.22
EX. 15" CMP
INV:160.04
RIP RAP OUTLET
EX. STREAM
DEPRESS CURB FOR HANDICAP RAMP
10" PINE
8" PINE
12" PINE
PROPOSED 5' CONC. STAIRS (SEE ARCH PLANS)
EX. TREE (8.8')
EX. CONC CURB
INLET
CONC. CULVERT (9.0'X5.0')
N 555,200
E 1,379,600

N 534,900
E 1,379,600

PROP. FOUNDATION WALL (SEE ARCH.)
PROP. PVC (SEE ARCH)
UPPER PATIO MAUSOLEUM SLAB ELEV.= 77.27 798 S.F.±
EX. LOWER PATIO MAUSOLEUM 1470.6 S.F. ±
EX. LOWER BLDG. SLAB ELEV.= 77.27
PROP. 8" PVC (THIS PLAN)
EX. 8' SIDEWALK BELOW
3' OVERHANG
39.99'
16.08'

DETAIL
SCALE: 1" = 10'

OWNER/DEVELOPER
HFH, INC.
1929 ALLEN PARKWAY, 8TH FLOOR
HOUSTON, TX. 77019
(713) 525-5587
ATTN: DAVE REYNOLDS

NO.	REVISION	DATE
2	REVISE PHASE II OF PREVIOUSLY APPROVED MAUSOLEUM	12/14/09

SITE DEVELOPMENT PLAN
PHASE TWO
MAUSOLEUM EXPANSION SITE AT MEADOWRIDGE MEMORIAL PARK

TAX MAP #37 BLOCK 22 AND 23 PARCEL '178'
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS·SURVEYORS·PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE 7/24/00
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 7/19/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE 7/14/00

STATE OF MARYLAND — ROBERT HARRIS VOGEL — No. 16785 — REGISTERED PROFESSIONAL ENGINEER — 6/30/00
ROBERT H. VOGEL, PE No. 16785

DESIGN BY: G.A.H.
DRAWN BY: R.L.P./G.A.H.
CHECKED BY: R.H.V.
DATE: SEPT. 1999
SCALE: 1"=20'
W.O. NO.: 98-134

PREV. HO. CO. FILE NO: SDP-91-05

SHEET 3 OF 11

SDP-00-43

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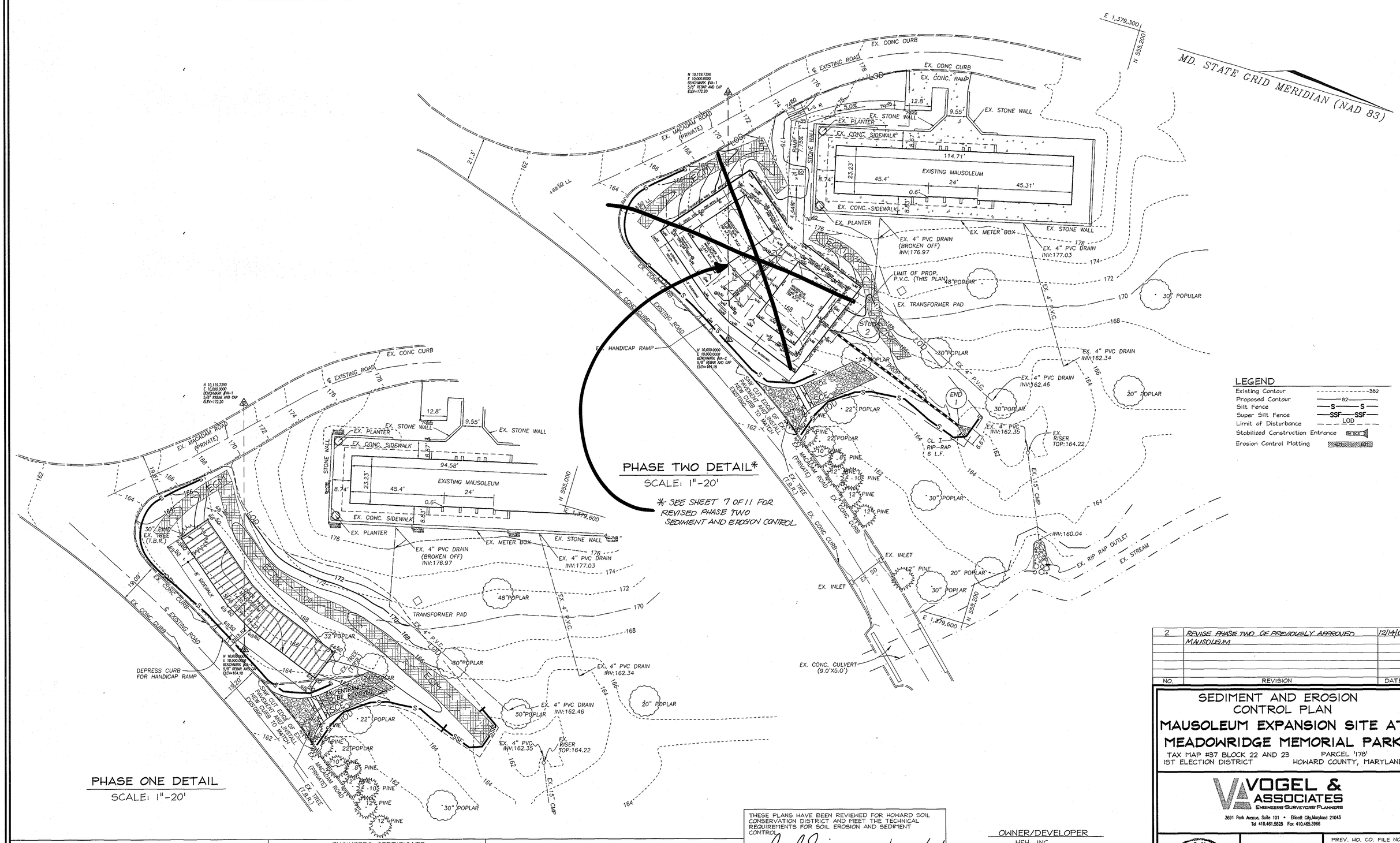

LEGEND

- Existing Contour ——382——
- Proposed Contour ——82——
- Silt Fence ——S——S——
- Super Silt Fence ——SSF——SSF——
- Limit of Disturbance — — LOD — —
- Stabilized Construction Entrance
- Erosion Control Matting

NO.	REVISION	DATE
2	REVISE PHASE TWO OF PREVIOUSLY APPROVED MAUSOLEUM	12/14/09

SEDIMENT AND EROSION CONTROL PLAN

MAUSOLEUM EXPANSION SITE AT MEADOWRIDGE MEMORIAL PARK

TAX MAP #37 BLOCK 22 AND 23 PARCEL '178'
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS·SURVEYORS·PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE 7/24/00
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 7/13/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE 7/14/00

ENGINEERS CERTIFICATE

"I HEREBY 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."

SIGNATURE OF ENGINEER ROBERT H. VOGEL — DATE 6/28/00

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THESE PLANS, 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.

SIGNATURE OF DEVELOPER Curtis G. Briggs — DATE 6/28/00
CURTIS G. BRIGGS VICE-PRESIDENT

THESE PLANS HAVE BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

USDA-NATURAL RESOURCES CONSERVATION SERVICE — DATE 7/13/00

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT — DATE 7/3/00

OWNER/DEVELOPER

HFH, INC.
1929 ALLEN PARKWAY, 8TH FLOOR
HOUSTON, TX. 77019
(713) 525-5587
ATTN: DAVE REYNOLDS

STATE OF MARYLAND — ROBERT HARRY VOGEL — NO. 16195 — REGISTERED PROFESSIONAL ENGINEER
ROBERT H. VOGEL, PE No. 16195

DESIGN BY: G.A.H.
DRAWN BY: R.L.P.
CHECKED BY: R.H.V.
DATE: SEPT. 1999
SCALE: 1"=20'
W.O. NO.: 98-134

PREV. HO. CO. FILE NO: SDP-91-05

SHEET 4 OF 11

SDP-00-43

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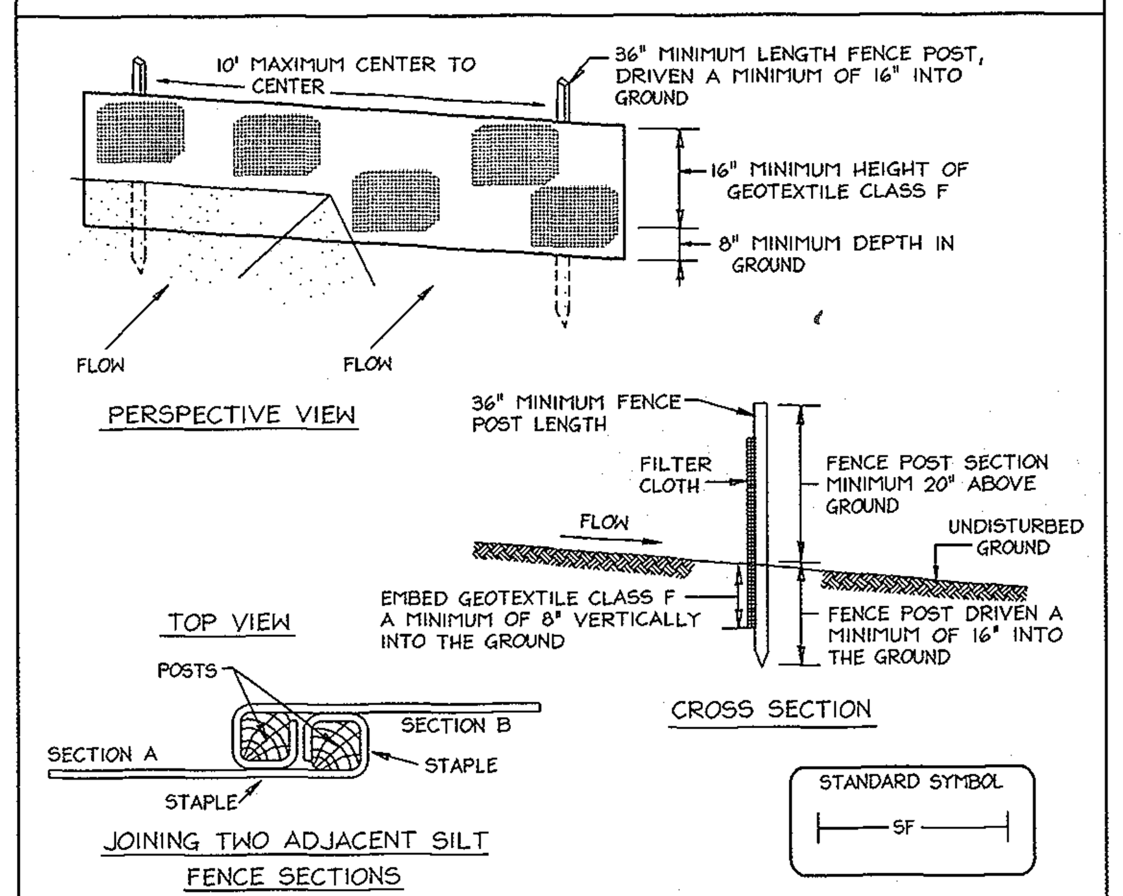
DETAIL 22 - SILT FENCE



Construction Specifications

1. Fence posts shall be a minimum of 36" long, driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" 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:

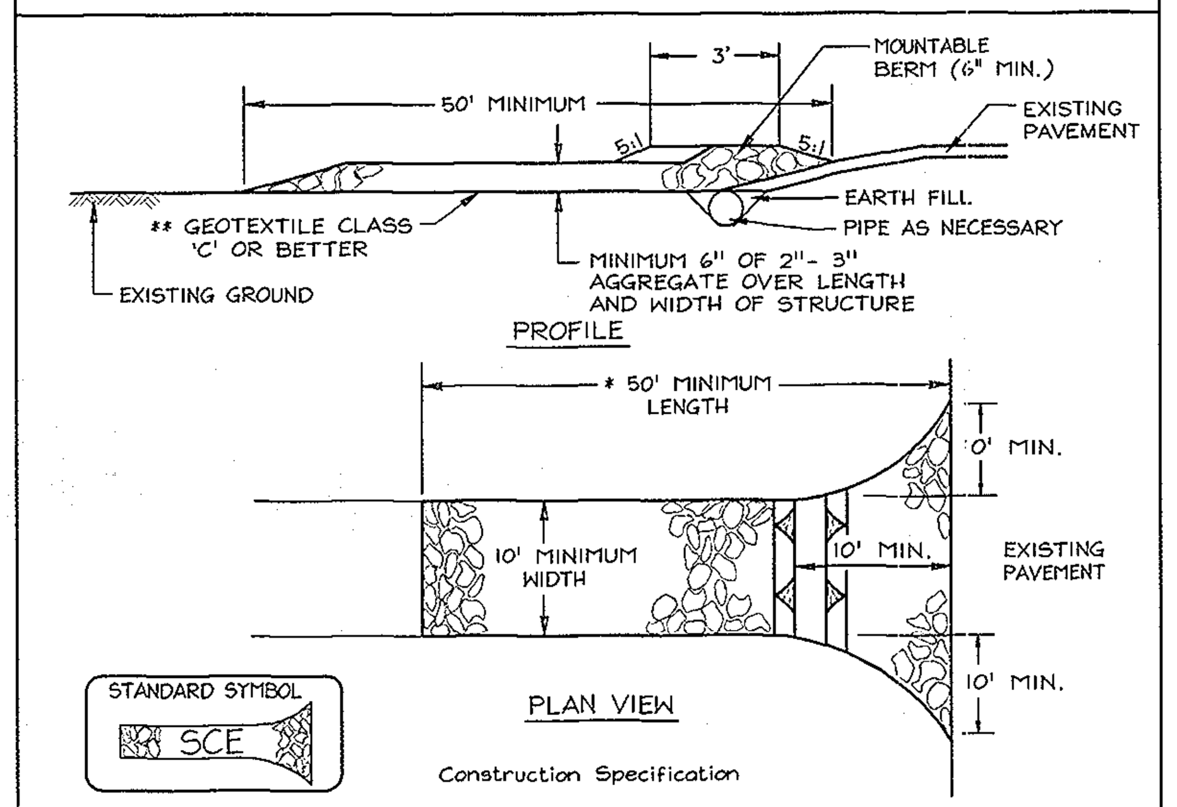
Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft²/minute (max.)	Test: MSMT 322
Filtering Eggeciency	75% (min.)	Test: MSMT 322

3. Where 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 reaches 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E - 15 - 3	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 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 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 SOIL CONSERVATION SERVICE	PAGE F - 17 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

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 Station.

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

i. 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 1 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 specified.

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.

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.

V. Topsoil Application

i. 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.

iv. 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.

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 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 sq.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 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq.ft.) 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 in 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 straw.

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 loosened.

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

SEEDING: For periods March 1 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 1 thru August 14, seed with 3 lbs. 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 spring, 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 COVERED.

SEDIMENT CONTROL NOTES

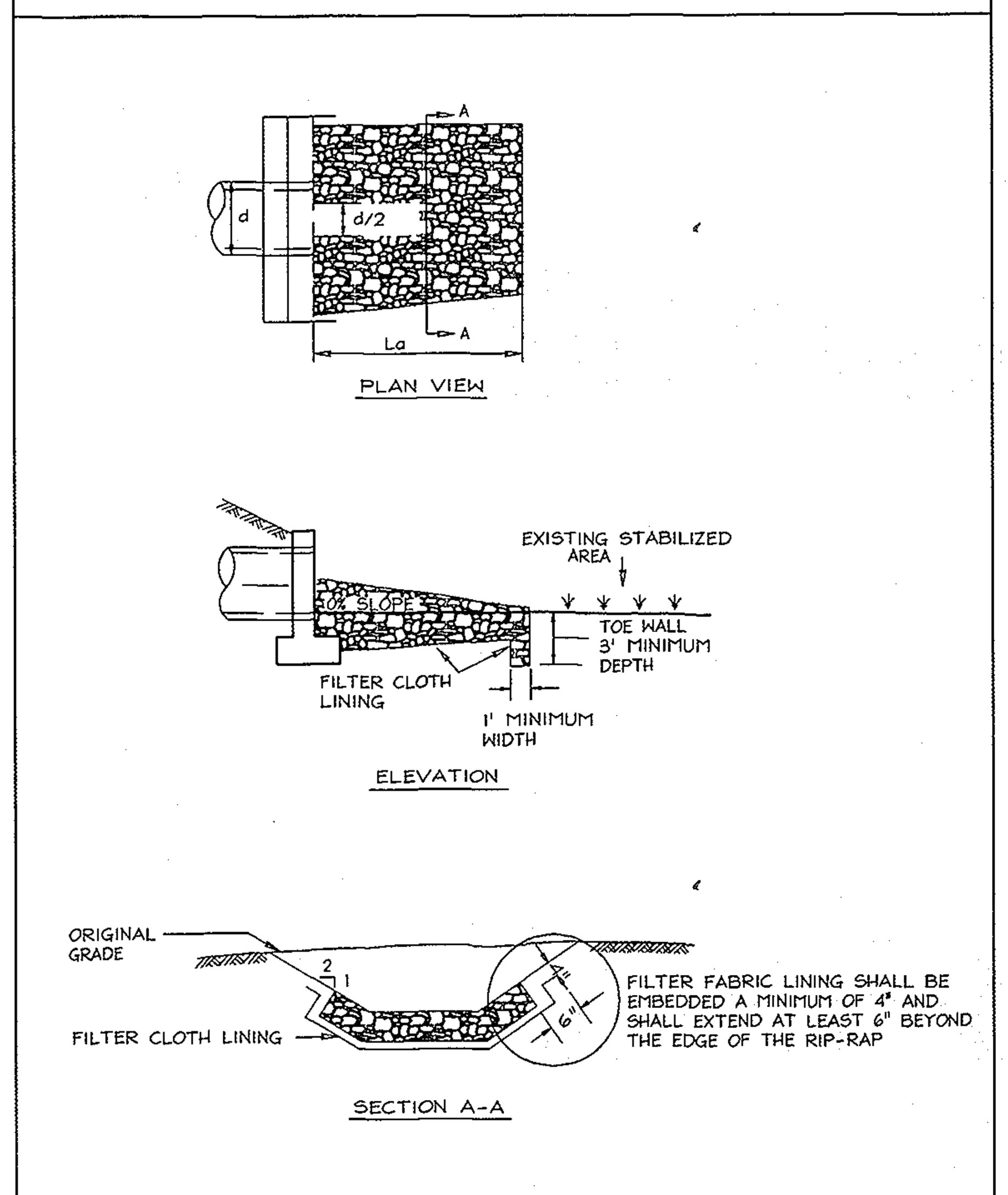
1. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
2. All vegetation and structural practices are to be installed according to the provisions of this plan and are 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. I, 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 mulching (Sec. G). Temporary stabilization with mulch alone shall 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	86.78±	Acres
Area Disturbed	0.32	Acres
Area to be roofed or paved	0.13	Acres
Area to be vegetatively stabilized	0.19	Acres
Total Cut	93±	CY
Total Fill	622±	CY
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 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.

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

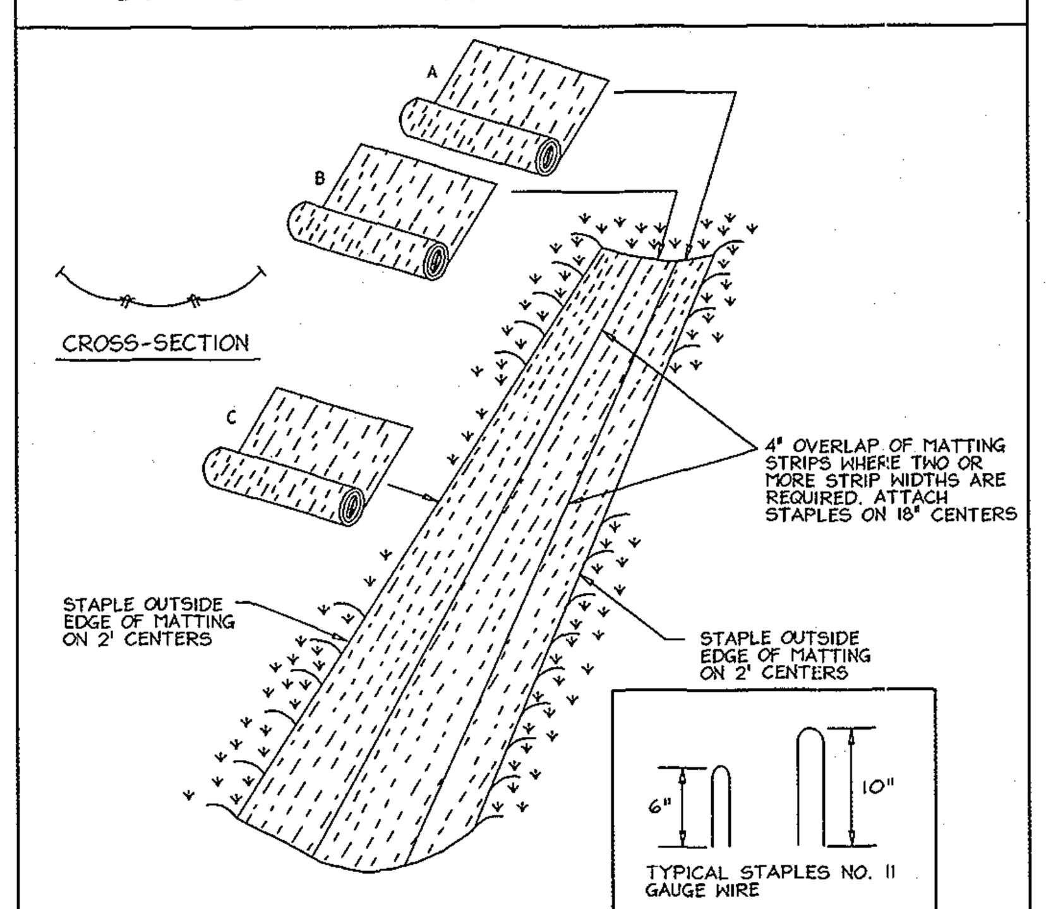
DETAIL 27 - ROCK OUTLET PROTECTION III



NOTE: FILTER CLOTH SHALL BE GEOTEXTILE CLASS C

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F - 18 - 10	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 30 - EROSION CONTROL MATTING



Construction Specifications

1. Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".

2. Staple the 4" overlap in the channel center using an 18" spacing between staples.

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

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

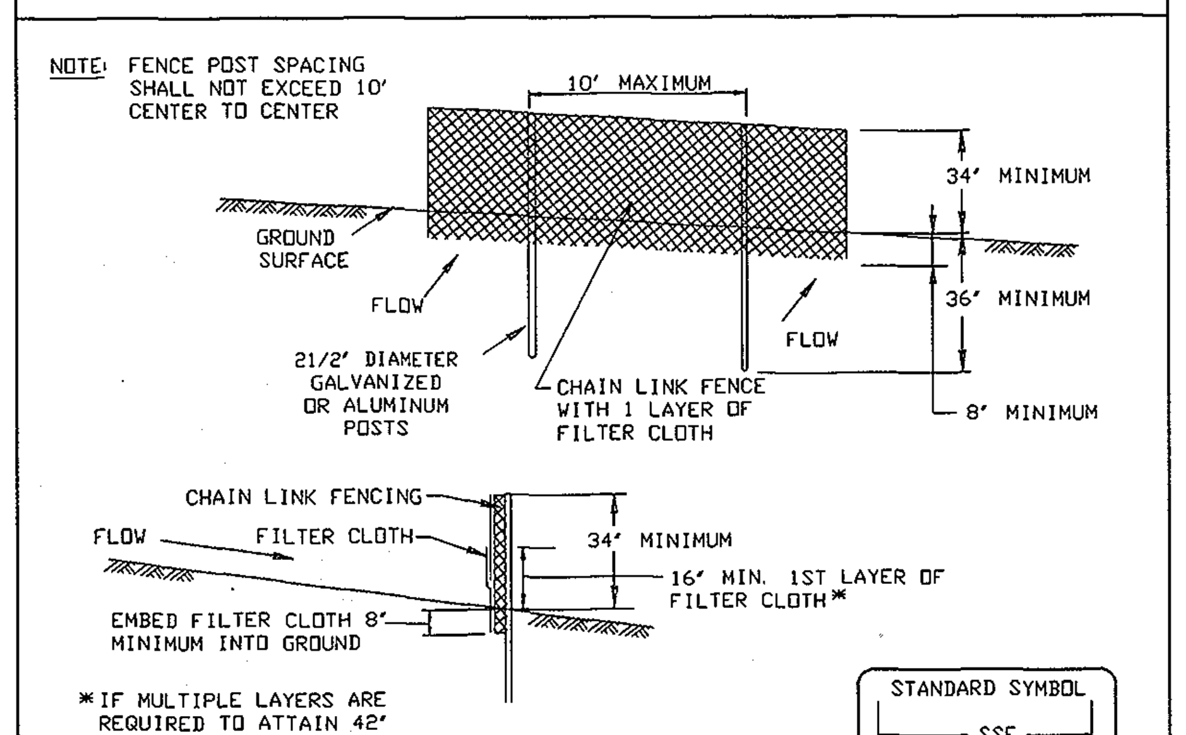
5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.

6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

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

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE G - 22 - 2	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

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 8' into the ground.

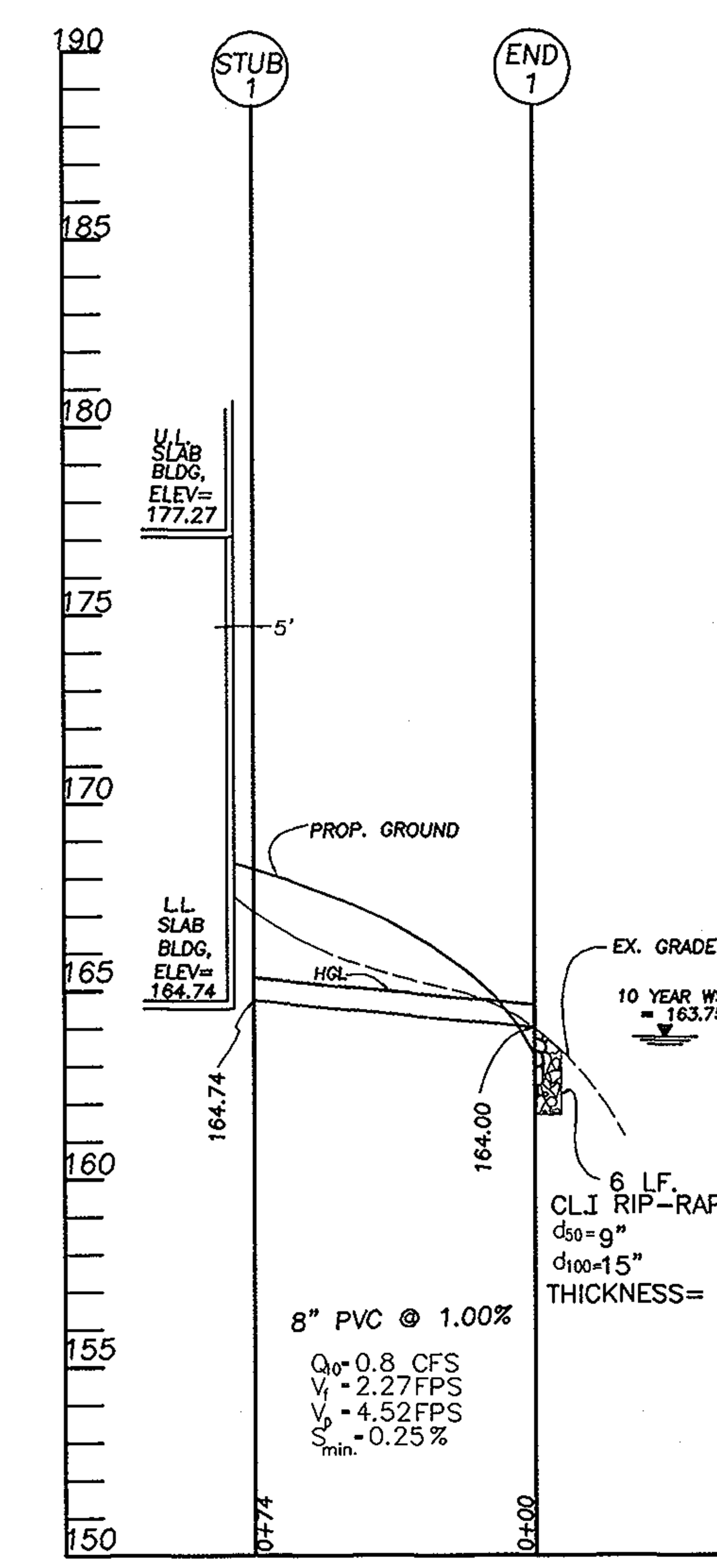
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6' and folded.

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: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal/ft²/minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H - 26 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



PROFILE
SCALE: 1" = 50' Horz.
SCALE: 1" = 5' Vert.

SEQUENCE OF CONSTRUCTION

1. Obtain grading permit. (One Day)
2. Notify Howard County Bureau of Inspection and permits at (410) 313-1880 at least 24 hours before starting any work.(One Day)
3. Remove existing Curb and install Stabilized Contruction Entrance as shown and install Silt Fence . Obtain permission from inspector before proceeding . (1-2 Weeks)
4. Phase One:
   - A. Clear and Rough Grade Site . Install Erosion Control Matting in swales per sheet 2 of 6. (2 Weeks)
   - B. Construct Lower Level Mausoleum. (3 Months)
   - C. Upon completion of building, fine grade site, install walkways and permanently stabilize disturbed areas. (2 Weeks)
5. Phase Two:
   - A. Clear and Rough Grade Site . Install Erosion Control Matting in swales per sheet 3 of 6. (2 Weeks)
   - B. Install Prop. 8" PVC storm drain from End 1 to Stub 2. (1-2 Weeks)
   - C. Construct Upper Level Mausoleum Buildings and Patio, including PVC Patio Drainage system, by Arch. (3 Months)
   - D. Upon completion of building, fine grade site, install walkways and permanently stabilize disturbed areas. (2 Weeks)
   - E. With Approval of inspector, Remove silt fence and Stabilized Construction Entrance and install Curb along Existing Macadam Road to match existing curb. (1 Week)
6. During grading and after each rainfall, the contractor shall inspect and provde necessary maintenance to sediment control measures.
7. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be complied with:
   - A. 7 calendar days for all perimeter Sediment Control Structures, Dikes,Swales, ditch perimeter slopes , and all slopes greater than 3:1.
   - B. 14 calendar days for all other disturbed areas.

NO.	REVISION	DATE

OWNER/DEVELOPER
HFH, INC.
1929 ALLEN PARKWAY, 8TH FLOOR
HOUSTON, TX. 77019
(713) 525-5587
ATTN: DAVE REYNOLDS

DETAIL SHEET
MAUSOLEUM EXPANSION SITE AT MEADOWRIDGE MEMORIAL PARK

TAX MAP #37,BLOCK 22 &23 — PARCEL '178'
1ST ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS·SURVEYORS·PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City,Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

STATE OF MARYLAND — ROBERT HARRIS VOGEL — No.16193 — REGISTERED PROFESSIONAL ENGINEER — 6/30/00
ROBERT H. VOGEL, PE No.16193

DESIGN BY: G.A.H.
DRAWN BY: R.L.P.
CHECKED BY: R.H.V.
DATE: SEPT. 1999
SCALE: AS SHOWN
W.O. NO.: 98-134

PREV. HO. CO. FILE NO: SDP-91-05

5 SHEET OF 11

THESE PLANS HAVE BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
[signature] 7/13/00
USDA-NATURAL RESOURCES CONSERVATION SERVICE — DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[signature] 7/13/00
HOWARD SOIL CONSERVATION DISTRICT — DATE

ENGINEERS CERTIFICATE

"I HEREBY 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."

[signature] 6/30/00
SIGNATURE OF ENGINEER — DATE
ROBERT H. VOGEL

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THESE PLANS, 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.

[signature] 6/28/00
SIGNATURE OF DEVELOPER — DATE
CURTIS G. BRIGGS VICE-PRESIDENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[signature] 7/24/00
DIRECTOR — DATE
[signature] 7/19/00
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE
[signature] 7/14/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE

LEGEND

Existing Contour ----------382

Proposed Contour ——— 82

Spot Elevation +82.53

Direction of Flow ←

Existing Trees

Light Poles Post Top

A=0.12 ACRES
C=0.85
PROP. D.A.
IMP=100 %
ZONING =M-2

E 1,379,300
N 555,200

MD. STATE GRID MERIDIAN (NAD 83)

EX. CONC CURB
EX. EXISTING ROAD
EX. MACADAM ROAD (PRIVATE)
EXISTING MAUSOLEUM BLDG.
4" PVC DRAIN
BORING
BORING
CLASS I RIP RAP 6'x6'
EX. CONC CURB
EX. MACADAM ROAD (PRIVATE)
EX. CONC CURB
EX. TRANSFORMER TO BE REMOVED
EX. SWM POND
EX. STREAM
EX. INLET
EX. INLET
EX. CONC CURB
EX. CONC CURB

48" POPLAR
30" POPLAR
30" POPLAR
30" POPLAR
20" POPLAR
22" POPLAR
22" POPLAR
30" POPLAR
30" POPLAR
20" POPLAR
18" PINE
8" PINE
10" PINE
8" PINE
10" PINE
12" PINE
12" PINE
12" PINE
18" PINE

N 555,000
E 1,379,800

E 1,379,800
N 555,200

NO.	REVISION	DATE
2	REVISE PHASE TWO OF PREVIOUSLY APPROVED MAUSOLEUM	12/14/09

OWNER/DEVELOPER
HFH, INC.
1929 ALLEN PARKWAY, 8TH FLOOR
HOUSTON, TX. 77019
(713) 525-5587
ATTN: DAVE REYNOLDS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE 7/24/00

CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 7/19/00

CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE 7/14/00

DRAINAGE AREA MAP FOR STORM DRAIN
MAUSOLEUM EXPANSION SITE AT MEADOWRIDGE MEMORIAL PARK

TAX MAP #37 BLOCK 22 AND 23 PARCEL '178'
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS·SURVEYORS·PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

STATE OF MARYLAND — ROBERT HARRIS VOGEL — 16193 — REGISTERED PROFESSIONAL ENGINEER — 4/6/00

ROBERT H. VOGEL, PE No.16193

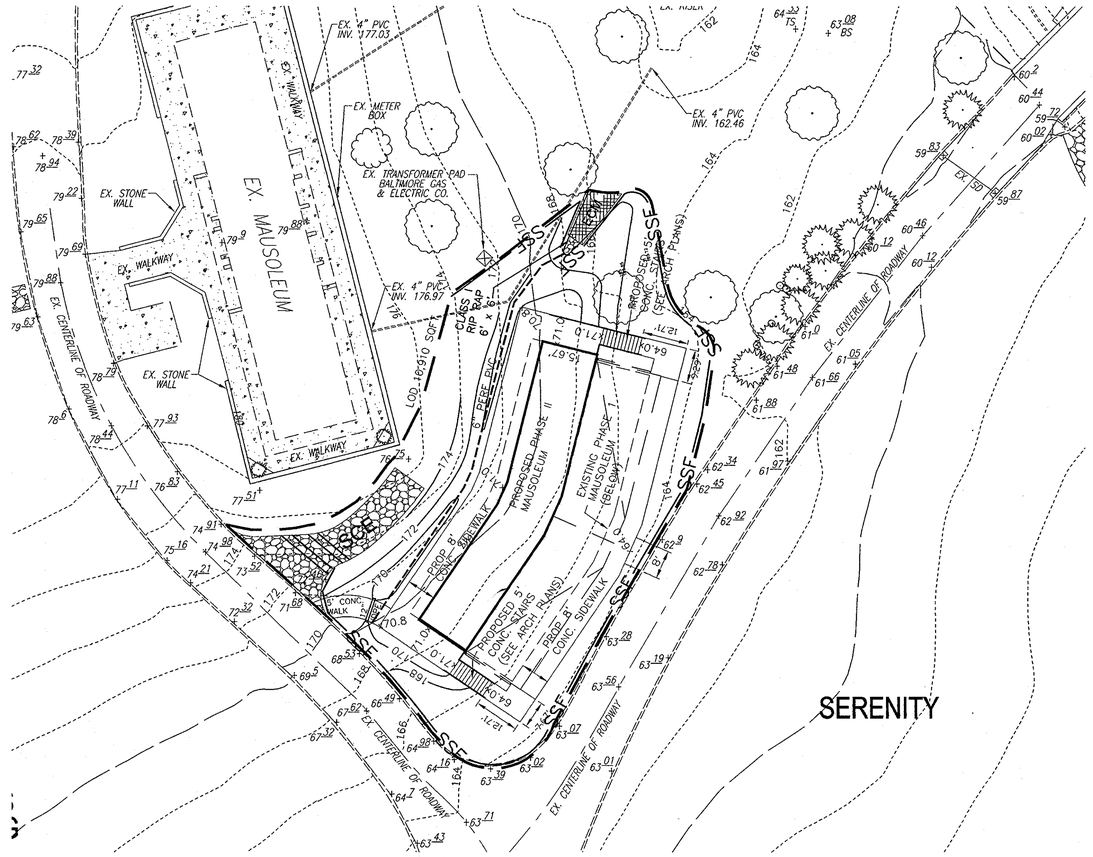
DESIGN BY: G.A.H.
DRAWN BY: R.L.P.
CHECKED BY: R.H.V.
DATE: SEPT. 1999
SCALE: 1"=20'
W.O. NO.: 98-134

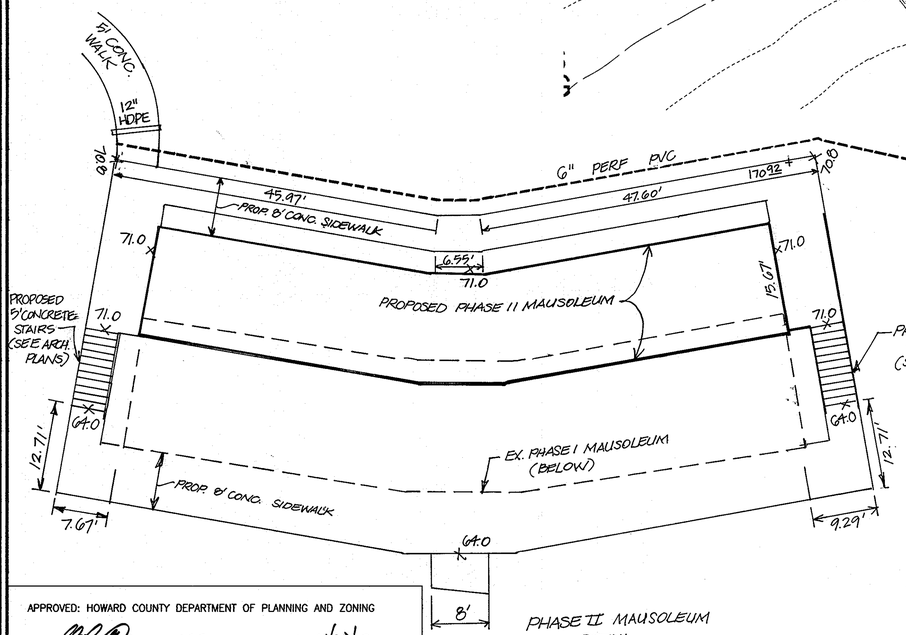
PREV. HO. CO. FILE NO: SDP-91-05

SHEET 6 OF 11

C:\Land Projects\98-134\DWG\802556.DWG-GAH\12.07.99

SDP-00-43





SITE PLAN
SCALE=1"=20'

PHASE II MAUSOLEUM DETAIL
SCALE 1" =10'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 4/20/10
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 4/21/10
DIRECTOR	DATE 4/22/10

SEQUENCE OF CONSTRUCTION

1. OBTAIN HOWARD COUNTY GRADING PERMIT.
2. NOTIFY HOWARD COUNTY AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. (2 DAYS)
3. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE SEDIMENT CONTROL INSPECTOR PRIOR TO ANY LAND DISTURBANCE. (1 WEEK)
4. INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM. (1 DAY)
5. INSTALL ALL, SUPER SILT FENCE.
6. BEGIN BUILDING CONSTRUCTION. (8 WEEKS)
7. COMPLETE BUILDING CONSTRUCTION. (4 WEEKS)
8. FINE GRADE AND STABILIZE ALL AREAS OF PARCEL INCLUDING ANY EXPOSED EARTH AREAS OUTSIDE THE LOD. REMOVE ALL TRASH JUNK AND DEBRIS FROM ENTIRE PARCEL. (2WEEKS)
9. REMOVE ALL REMAINING SEDIMENT CONTROL MEASURES AFTER RECEIVING APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEKS)
10. INSTALL SITE LANDSCAPING. (2 WEEKS)

NOTES:

1. DURING GRADING AND AFTER EACH RAINFALL, CONTRACTOR WILL INSPECT AND PROVIDE NECESSARY MAINTENANCE TO THE SEDIMENT CONTROL MEASURES ON THIS PLAN.
2. FOLLOWING INITIAL SOIL DISTURBANCES OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
   A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL
   B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS.

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

HOWARD S.C.D. — DATE 4/8/10

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, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

SIGNATURE OF ENGINEER — DATE 3/15/10

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPEMENT 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 2/23/10

NO.	REVISION	DATE
2	REVISE SECOND PHASE OF PREVIOUSLY APPROVED MAUSOLEUM	12/19/09

REVISED SITE DEVELOPMENT PLAN
SOIL EROSION AND SEDIMENT CONTROL PLAN
MAUSOLEUM EXPANSION SITE AT
MEADOWRIDGE MEMORIAL PARK

TAX MAP 37 GRID 22 AND 23 — PARCEL 178
1TH ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

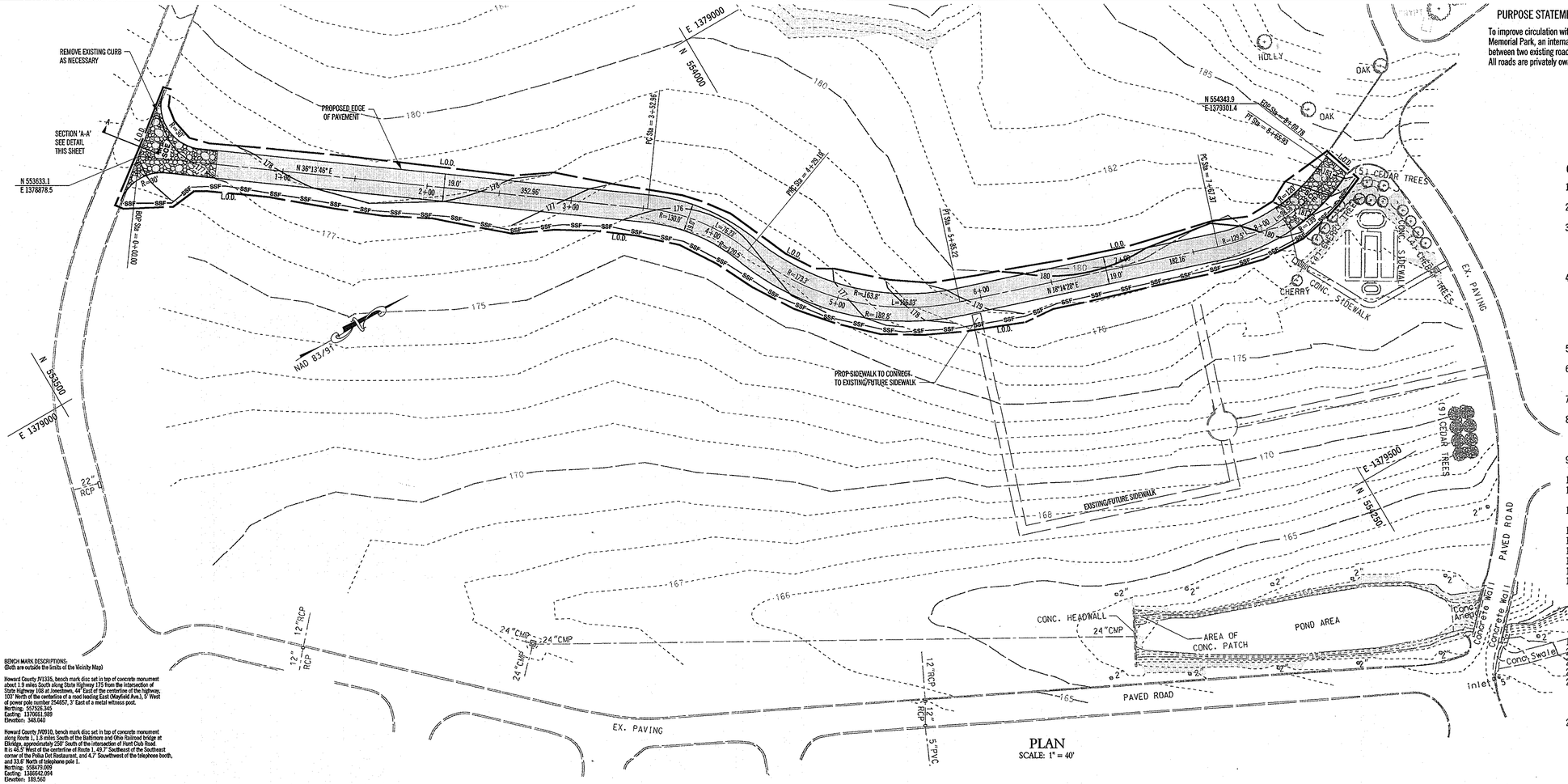
ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLICOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961

JAMES A. RUFF, PE No.21774

DESIGN BY:	JAR
DRAWN BY:	JAR
CHECKED BY:	RHV
DATE:	Feb 27, 2009
SCALE:	AS SHOWN
W.O. NO.:	08-26

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21774, EXPIRATION DATE 11-10-2010

SHEET 7 OF 11



PLAN
SCALE: 1" = 40'

BENCH MARK DESCRIPTIONS:
(Both are outside the limits of the Vicinity Map)

Howard County #1335, bench mark disc set in top of concrete monument about 1.9 miles South along State Highway 175 from the intersection of State Highway 108 at Jonestown, 44' East of the centerline of the highway, 103' North of the centerline of a road leading East (Mayfield Ave.), 5' West of power pole number 254657, 3' East of a metal witness post.
Northing: 557526.345
Easting: 1370651.589
Elevation: 348.040

Howard County #0910, bench mark disc set in top of concrete monument along Route 1, 1.8 miles South of the Baltimore and Ohio Railroad bridge at Elkridge, approximately 250' South of the intersection of Hunt Club Road. It is 48.5' West of the centerline of Route 1, 49.7' Southeast of the Southeast corner of the Polka Dot Restaurant, and 4.7' Southwest of the telephone booth, and 33.6' North of telephone pole 1.
Northing: 558471.099
Easting: 1388642.094
Elevation: 188.560

PURPOSE STATEMENT

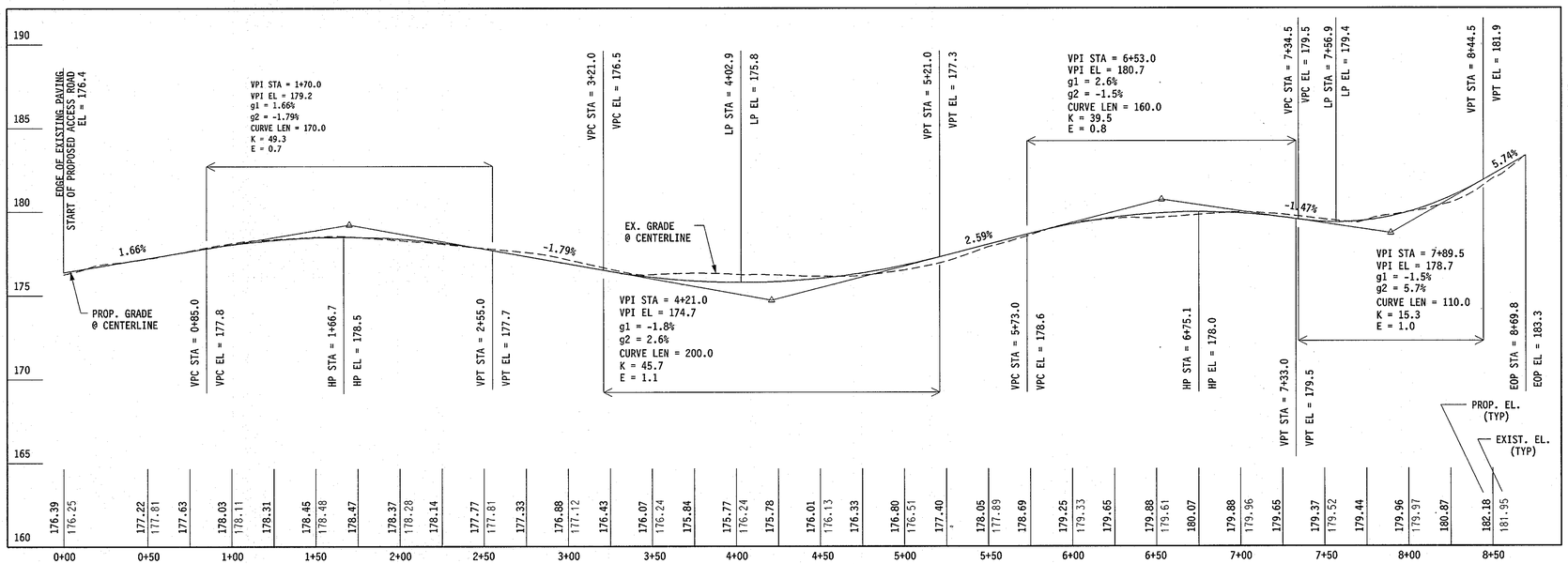
To improve circulation within Meadowridge Memorial Park, an internal connection road between two existing roadways is proposed. All roads are privately owned and maintained.

SITE ANALYSIS DATA CHART

1. Total Site Area: 86.78 acres.
2. Total Project Area: 0.73 acres or 31,799 square feet as shown by the Limit of Disturbance.
3. The present zoning is M-1.
4. The property use is a cemetery and memorial park.
5. The proposed work is the addition of an access road to internal road network.
6. The forest conservation requirement for this red-line revision to add an interior access road involving 0.73 acres of disturbance with the adopted DPZ policy, "Forest Conservation and the Limit of Disturbance" dated Setpember 15, 2006 requires a 0.11 acre afforestation obligation which will be satisfied with the payment of a fee-in-lieu in the amount of $2,396.00.

GENERAL NOTES

1. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
2. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least forty-eight (48) hours prior to any excavation work.
3. Site Analysis:
   Area of Submission = 0.73 Ac; Disturbed Area = 0.73 Ac
   Present Zoning: M-1
   Proposed Paved Area: 0.42 Ac
   Proposed Use: Access Road
4. Project Background:
   Location: Elkridge, MD; Tax Map 37; Parcel 179
   Deed References: 151/322; 1364/99
   Plat Reference: N/A
   Zoning: M-1
   Election District: 1st
   DPZ References: SDP-91-05; SDP-94-121; BA-86-25E, BA-90-40E, BA-00-03, BA-00-03E
5. 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 to start of work.
6. Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
7. Any damage to public rights-of-way, paving, or existing utilities will be corrected at the contractor's expense.
8. Existing utilities shown hereon are located from field surveys and construction drawings of record. Approximate location of existing utilities are shown for the contractors information. The contractor shall locate existing utilities well in advance of any construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service.
9. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
10. Estimates of earthwork quantities are provided solely for the purpose of calculating fees.
11. The existing topography is taken from field run survey with 1' contour intervals prepared by G&O dated May, 2004. The coordinates shown hereon are based upon the Howard County Geodetic
12. Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 2437001 and 2337001 were used for this project.
13. A noise study is not required for this project.
14. All curb to conform to the typical curb detail as provided, this sheet.
15. No additional parking is proposed.
16. Public Water not required for this use.
17. Public Sewer not required for this use.
18. Stormwater Management is provided as required in the 2000 Maryland Stormwater Design Manual via the 'disconnection of non-rooftop runoff' credit.
    a. Quantity Control is not provided.
    b. Detention is not provided.
    c. Quality Control provided by credits.
    d. Recharge Volume provided by credits.
19. All dimensions are to curb line unless otherwise noted.
20. This plan does not require APFO, per section 4.7 of Howard County Design Manual, Volume III.
21. Based on a site inspection by G&O, there are no wetlands located within the limits of disturbance.
22. The FEMA floodplain map 24003400035B shows no 100-year floodplain located within the limit of disturbance.
23. Landscaping for the proposed roads is not required as the limit of disturbance is 230'± within the property's interior with no proposed parking lot improvements. Perimeter and right-of-way landscaping is satisfied by credit for existing vegetation in accordance with Section 16.124 of the Howard County Code and the Landscape Manual. No new landscaping is proposed for the site at this time.
24. The metes and bounds shown are provided by Owner.



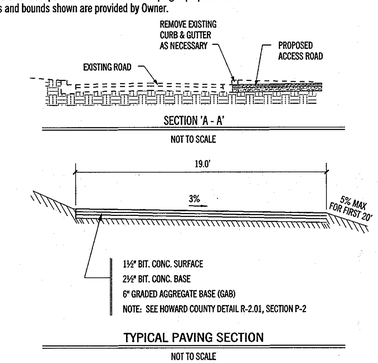
PROPOSED ACCESS ROAD PROFILE
SCALE: HORZ. 1" = 40'
VERT. 1" = 4'

LEGEND

- 186 EXISTING CONTOURS
- EXISTING CURB & GUTTER
- EXISITNG STORM DRAIN
- EXISTING BUILDINGS
- EXISTING SLOPES > 15%
- 177 PROPOSED CONTOURS
- PROPOSED CURB
- PROPOSED STORM DRAIN
- PROPOSED PAVING
- LIMIT OF DISTURBANCE (LOD)
- SSF SSF SSF SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

CONTINUATION OF SHEET INDEX — SHEET No.

MAUSOLEUM REVISED SEDIMENT & EROSION PLAN	7 OF 11
SITE, SEDIMENT & EROSION CONTROL PLAN	8 OF 11
SEDIMENT CONTROL NOTES AND DETAILS	9 OF 11
STORMWATER MANAGEMENT PLAN	10 OF 11
FOREST STAND DELINEATION & FOREST CONSERVATION PLAN	11 OF 11



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division — Date 2/12/07
Chief, Division of Land Development — Date 2/15/07
Director — Date 2/20/07

CLIENT:
MEADOWRIDGE MEMORIAL PARK
7250 WASHINGTON BOULEVARD
ELKRIDGE, MARYLAND 21705
ATTN: MIKE BENNETT
(410) 796-1144

JIM DESIGN	SCALE AS SHOWN
JIM DRAWN	SHEET 8 OF 11
MRK CHECKED	PROJ No. 01235
JULY 2005 DATE	FILE No. mp(sheet)

REVISED SITE DEVELOPMENT PLAN & SEDIMENT & EROSION CONTROL PLAN
MEADOWRIDGE MEMORIAL PARK
ACCESS ROAD EXPANSION
1ST ELECTION DISTRICT — HOWARD COUNTY, MARYLAND
TAX MAP 37; GRID 22 & 23; PARCEL 179
DEE REF.: 151/322, 1364/99

GREENHORNE & O'MARA, INC.
200 HARRY S TRUMAN PARKWAY, SUITE 200
ANNAPOLIS, MARYLAND 21401
(410) 266-0066
ENGINEERS
ARCHITECTS
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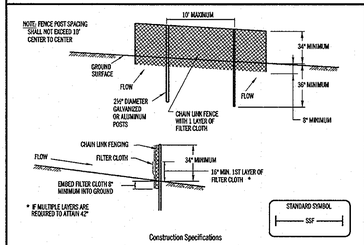
ANNAPOLIS, MD.• ATLANTA, GA.• BALTIMORE, MD.• FAIRFAX, VA.• FREDERICKSBURG, VA.• GREENVILLE, SC.• HANOVER, MD.• JACKSONVILLE, FL.• MECHANICSBURG, PA.• RALEIGH, NC.• RICHMOND, VA.• ST. PETERSBURG, FL.• TAMPA, FL.• WEST PALM BEACH, FL.

No.	REVISION	DATE	BY

SDP-00-43

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 8" 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: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal/ft /minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H - 26 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

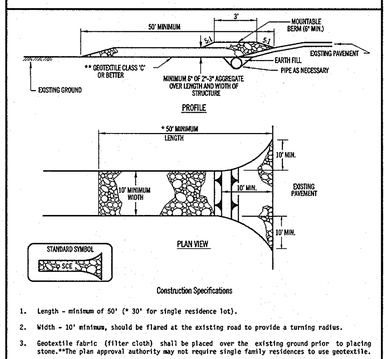
SUPER SILT FENCE

Design Criteria

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

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H - 26 - 3A	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



Construction Specifications

1. Length - minimum of 50' (* 30' 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 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 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 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 SOIL CONSERVATION SERVICE	PAGE F-17-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

SEQUENCE OF CONSTRUCTION

1. Install stabilized construction entrances (SCE) as shown on plan. Install silt fence as shown on plan. (1day)
2. Begin clearing and mass grading activities within the limits of construction required for the road. (3 weeks)
3. Fine grade road and install curb and base pavement. All remaining disturbed areas and slopes shall be permanently vegetatively stabilized at this point. (2 weeks)
4. Contractor shall final pave road. (2 days)
5. With approval of all inspectors remove all erosion and sediment control devices. Permanently stabilize these areas.

All Construction shall utilize the following:

Sediment control practices will be maintained according to the 1994 Maryland Standards and Specifications For Soil Erosion and Sediment Control and Calvert County regulations until the entire site is stabilized inspected, and final approval is given by the appropriate State/County agency.

Stockpiles shall be located where necessary and located as agreed with grading inspector. Silt fence shall be installed along the perimeter of the stockpile. Cover stockpiles with straw mulch. Stockpiles must be located within the limits of disturbance of this plan. Stockpile location cannot result in removal of any sediment controls nor alter drainage area to any control. Any area not worked on within 14 days (7 days for sediment control) must be permanently stabilized per vegetative establishment details and specifications.

Side slope areas must be stabilized as soon as grading is completed. If sufficient grass cover has not occurred within 14-20 days, jute mesh, excelsior or equal slope stabilization material must be installed.

Mountable berms should be installed in graded areas at 150 feet increments when roadway slopes exceed 3.0%.

STANDARD RESPONSIBILITY NOTES

I (WE) CERTIFY THAT:

1A. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS SEDIMENT AND EROSION CONTROL PLAN, AND FURTHER, AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE CALVERT COUNTY SOIL CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.

1B. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

RESPONSIBLE PERSONNEL ON SITE: TO BE DETERMINED WHEN CONTRACTOR IS SELECTED

1C. THE APPROPRIATE ENCLOSURE WILL BE CONSTRUCTED AND MAINTAINED ON SEDIMENT BASIN(S) INCLUDED IN THIS PLAN.

2. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER INTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE (CALVERT CO. DPW) IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.

3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS FOR THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND FOURTEEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4. THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.

5. THE APPROVAL OF THIS PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.

6. THE DEVELOPER MUST REQUEST THAT THE DEPARTMENT OF INSPECTIONS AND PERMITS APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.

SEDIMENT CONTROL GENERAL NOTES

1. All references to the Standards and Specifications shall mean the "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control" by the Maryland Department of the Environment, Water Management Administration.
2. All disturbed areas are to be graded to drain to the sediment devices provided. No disturbed areas are to be allowed to drain off the site. All water handling devices shall be constructed to maintain positive drainage.
3. The Contractor shall be responsible for assuring that the sediment control measures are functional on a day-to-day basis.
4. Excavated material shall be backfilled in the utility trench at the end of each work day and compacted.
5. Disturbed areas along storm drains and outfalls shall be stabilized immediately after completion.
6. The throats of all storm drain inlets shall be protected and kept free of any deposits of sediment as shown on the plans.
7. All sediment control facilities are to remain in place until permission for removal has been obtained from the Calvert County Sediment Control Inspector.
8. All downspouts will discharge onto concrete splash blocks or be carried to the toe of fill slopes.
9. Excess excavation will be hauled to a site approved by Calvert County.
10. Cut: 400 cy
11. Fill: 400 cy
12. Area of Submittal: 0.73 ac.
13. Total Acreage to be Vegetatively Stabilized: 0.3 ac.
14. Total disturbed area: 0.73 ac.

Note: Cut and fill quantities for review purposes only. Not to be used for estimating purposes.
Excess cut to be disposed of onsite or in HCSCD approved location.

DETAILS & SPECIFICATIONS FOR VEGETATIVE ESTABLISHEMENT

Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within seven calendar days for the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical, (3:1) and fourteen days for all other disturbed or graded areas on the project site.

1. Permanent Seeding.

a. Soil Tests: Lime and fertilizer will be applied per soil tests results for greater than 5 acres. Soil tests will be done at completion of rough grading. Rates and analyses will be provided to the grading inspector as well as the contractor.

1. Occurence of acid sulfate soils (grayish black color) will requiire covering with a minimum of 12 inches of clean soil with 6 inches minimum capping of top soil. No stockpiling of material is allowed. If needed, soil tests should be done before and after a 6 week incubation period to allow oxidation of sulfates.

b. Seedbed Preparation: Area to be seeded shall be loose and friable to a depth of at least 3 inches. The top layer shall be loosened by raking, disking or other acceptable means before seeding occurs. For sites less than 5 acres, apply 100 pounds of dolomitic limestone and 21 pounds of 10-20-10 fertilizer per 1,000 square feet. Harrow or disk lime and fertilizer into the soil to a depth of at least 3 inches on slopes flatter than 3:1.

c. Seeding: Apply 5-6 pounds per 1,000 square feet of tall fescue between February 1 and April 30 or between August 15 and October 31. Apply seed uniformly on a moist firm seedbed with a cyclone seeded drill, cultipacker seeder or hydroseeder (slurry includes seeds and fertilizer, recommended on steep slopes only). Maximum seed depth should be½inch in clayey soils and½inch in sandy soils when using other than hydroseeder method. Irrigate if soil moisture is deficient to support adequate growth until vegetation is firmly established. If other seed mixes are to be used, select from table 25, entitled 'Permanent Seeding for Low Maintenance Areas' from the 1994 Standards and Specifications for Soil Erosion and Sediment Control. Mixes suitable for this area are 1, 3 and 5-7. Mixes 5-7 are suitable in non-mowable situations.

d. Mulching: Mulch shall be applied to all seeded areas immediately after seeding. During the time periods when seeding is not permitted, mulch shall be applied immediately after grading. Mulch shall be unrotted, unchopped, small grain straw applied at a rate of 2 tons per acre or 90 pounds per 1,000 square feet (2 bales). If a mulch anchoring tool is used, apply 2.5 tons per acre. Mulch materials shall be relatively free of weeds and shall be completely free of prohibited noxious weeds. Spread mulch uniformly, mechanically or by hand, to a depth of 1-2 inches.

e. Securing Straw Mulch: Straw mulch shall be secured following mulch application to minimize movement by wind or water. The following methods are permitted:

1. Use mulch anchoring tool which is designed to and anchor mulch into the soil surface to a minimum depth of 2 inches. This is the most effective method for securing mulch, however it is limited to relatively flat areas where equipment can operate safely.
2. Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per acre. If mixed with water, use 50 pounds of wood cellulose fiber per 100 gallons of water.
3. Liquid binders may be used and applied heavier at the edges where wind catches mulch, such as in valleys and on crests of slopes. The remainder of the area should appear uniform after binder application. Binders listed in the 1994 "Specifications for Soil Erosion and Sediment Control' or approved equal shall be applied at rates recommended by the manufacturer.
4. Lightweight plastic netting may be used to secure mulch. The netting will be stapled to the ground according to manufacturer's recommendations.

2. Temporary Seeding:

Lime: 100 pounds of dolomitic limestone per 1,000 square feet.
Fertilizer: 15 pounds of 10-10-10 per 1,000 square feet.
Seed: Perenial rye - 0.92 pounds per 1,000 square feet (Feb 15 through April 30 or August 15 thiugh November 1).
Millet - 0.92 pounds per 1,000 square feet (May 1 through August 15).
Mulch - same as 1d and 1e, above.

3. No fills may be placed on frozen ground. All fill to be placed in approximately horizontal layers, each layer having a loose thickness of not more than 8 inches. All fill in roadways and parking areas is to be classified Type 2, and compacted to 90% density; compaction to be determined by ASTM D-1557-66T (Modified Proctor). Any fill the building area is to be compacted to a 95% as determined by methods previously mentioned. Fills for pond embankments shall be compacted as per MD-378 Construction Specifications. All other fills shall be compacted sufficiently so as to be stable and prevent erosion and slippage.
4. Permanent Sod: Installation of sod should follow permanent seeding dates. Permanent sod is to be tall fescue, state approved sod; lime and fertilizer per permanent seeding specifications and lightly irrigate soil prior to laying sod. Sod is to be laid on the contour with all ends tightly abutting. Joints are to be staggered between rows. Water and roll or tamp sod to insure positive root contact with the soil. All slopes steeper than 3:1, as shown, are to be permanently protected with an approved erosion control netting. Additional watering for establishment may be required. Sod is not to be applied on frozen ground. Sod shall not be harvested or transplanted when moisture content (dry or wet) or extreme temperature may adversely affect its survival. In the absence of the rainfall, irrigation should be performed to insure established sod.
5. Mining Operations: Sediment control plans for mining operations must include the following seeding dates and mixtures

a. For seeding dates of February 1 through April 30 and August 15 through October 31, use seed mixture of tall fescue at the rate of 2 pounds per 1,000 square feet and serices lespedeza at the rate of 0.5 pounds per 1,000 square feet.

b. For seeding dates of May 1 through August 14, use seed mixture of tall fescue at the rate of 2 pounds per 1,000 square feet and weeping lovegrass at the rate of 0.1 pound per 1,000 square feet.

Note: Use of this information does not preclude meeting all of the requirements of the '1994 Standards and Specifications for Soil Erosion and Sediment Control'.

TOPSOILING SPECIFICATIONS

Specifications

1. Site Preparation (Where Topsoil is to be Added)

a. When topsoiling, maintain needed erosion and sediment control practices such as diversions,grade stabilization structures, berms, dikes, waterways, and sediment basins.

b. Grades on the areas to be topsoiled, which have been previously established, shall be maintained.

c. 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). Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

d. After the areas to be topsoiled have been brought to grade, and immediately prior to dumping and spreading the topsoil, the subgrade shall be loosened by disking or by scarifying to a depth of at least 3 inches to permit bonding of the topsoil to the surface area to create horizontal erosion check slots to prevent topsoil from sliding down a slope.

2. Topsoil Material and Application

a. 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.

3. For sites having disturbed areas under 5 acres:

a. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

4. For sites having disturbed areas over 5 acres.

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

1. 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.
2. Organic content of topsoil shall be not less than 1.5 percent by weight.
3. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
4. 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 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.

b. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

5. Topsoil Application

a. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Berms, Dikes, Slope Silt Fence and Sediment Traps and Basins.

b. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4-8" higher in elevation.

c. 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.

d. Topsoil shall not be placed while the topsoil 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.

Reviewed for Howard SCD and meets Technical Requirements

Jim Magee — 2/9/07
USDA - Natural Resources Conservation Service — Date

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

John R. Robertson — 2/9/07
Howard SCD — Date

STATE OF MARYLAND — GREGORY R. THOMAS — 21168 — REGISTERED PROFESSIONAL ENGINEER

ENGINEER'S 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."

Gregory R. Thomas — 02/06/07
Signature of Engineer (print name below signature) — Date

DEVELOPER'S CERTIFICATE

"I/We 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 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 (print name below signature) — 2/6/07
Date

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division — 2/12/07 Date
Chief, Division of Land Development — 4/15/07 Date
Director — 2/20/07 Date

SDP-00-43

SEDIMENT CONTROL NOTES & DETAILS
MEADOWRIDGE MEMORIAL PARK
ACCESS ROAD EXPANSION

1ST ELECTION DISTRICT — HOWARD COUNTY, MARYLAND
TAX MAP 37; GRID 22 & 23; PARCEL 179
DEED REF: 151/322, 135/459

JIM DESIGN | JIM DRAWN | MBK CHECKED | JULY 2005 DATE
SCALE: AS SHOWN
SHEET: 9 OF 11
PROJ No.: 01233
FILE No.: engsheet1

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PHOTOGRAMMETRISTS

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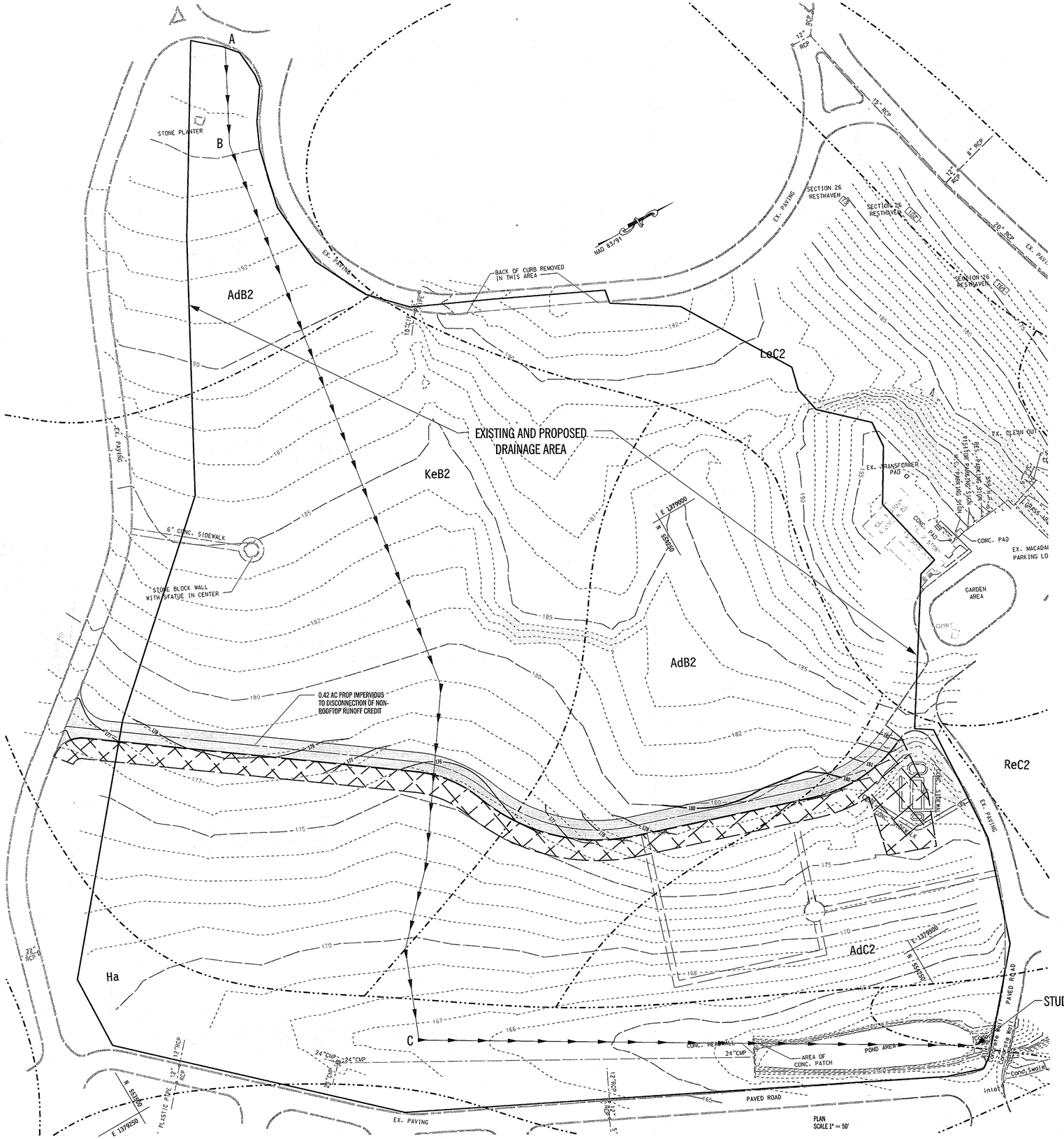
No.	REVISION	DATE	BY

CLIENT:
MEADOWRIDGE MEMORIAL PARK
7250 WASHINGTON BOULEVARD
ELKRIDGE, MARYLAND 21705
ATTN: MIKE BENNETT
(410) 796-1144



LEGEND

- 186 — EXISTING CONTOURS
- EXISTING CURB & GUTTER
- EXISTING STORM DRAIN
- EXISTING BUILDINGS
- EXISTING SLOPES > 15%
- 177 — PROPOSED CONTOURS
- PROPOSED CURB & GUTTER
- PROPOSED STORM DRAIN
- PROPOSED PAVING
- SOIL TYPE DIVIDE
- LeC2 SOIL TYPE LABEL
- PROP. DRAINAGE DIVIDE
- PROP. TC FLOW PATH
- C PROP. TC FLOW PATH LABELS
- NON-ROOFTOP DISCONNECT FLOW AREA

	DRAINAGE AREA	CN	T_C	Q_{10}
EX	14.71	79.47	0.36	44.51
PR	14.71	79.98	0.36	45.19

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division — Date 2/12/07

Chief, Division of Land Development — Date 2/15/07

Director — Date 2/20/07

STORMWATER MANAGEMENT PLAN
MEADOWRIDGE MEMORIAL PARK
ACCESS ROAD EXPANSION
HOWARD COUNTY, MARYLAND

1ST ELECTION DISTRICT
TAX MAP 37; GRID 23 & 23; PARCEL 179
DEED REF: 151/622, 136/459

JIM DESIGN | SCALE 1" = 50'
JIM DRAWN | SHEET 10 OF 11
MBK CHECKED | PROJ No. 01235
JULY 2005 DATE | FILE No. 69(Sheet5)

GREENHORNE & O'MARA, INC.
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No.	REVISION	DATE	BY

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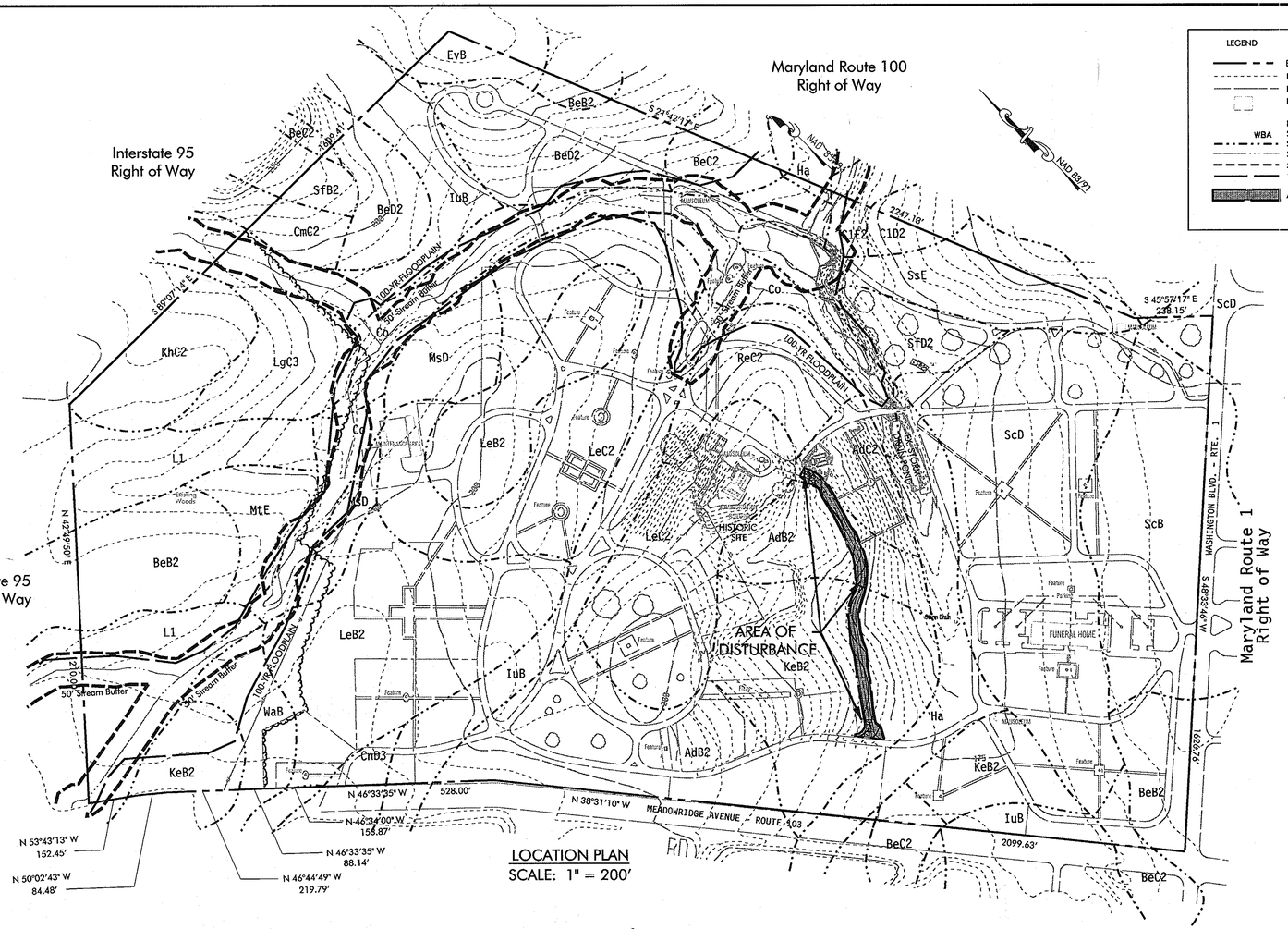
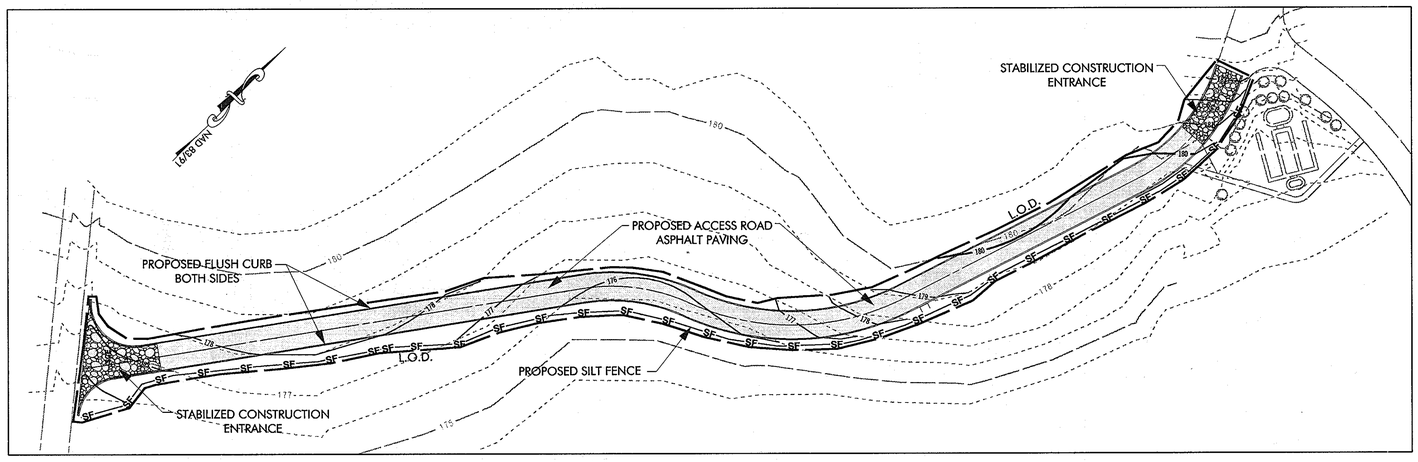
SDP-00-43



LOCATION PLAN
SCALE: 1" = 200'



LIMIT OF DISTURBANCE & PROPOSED ACCESS ROAD
SCALE: 1" = 50'

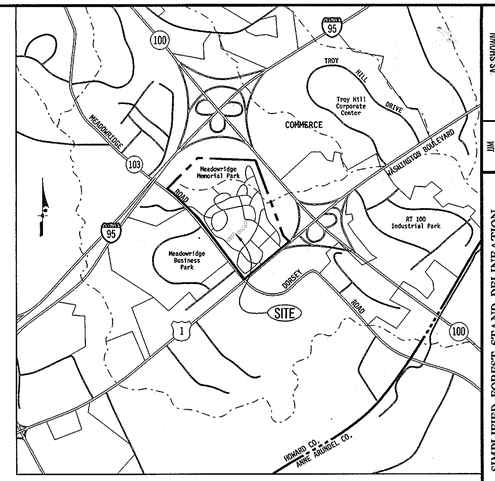
LEGEND

- BOUNDARY LINE
- EX. CONTOUR
- EDGE OF PAVEMENT
- EX. BUILDING
- EXISTING TREE LINE
- WBA SOILS BOUNDARY
- SOILS SYMBOL
- STREAM
- 50' STREAM BUFFER
- 100 YR FLOODPLAIN BOUNDARY
- AREA OF DISTURBANCE

SOIL CLASSIFICATIONS:

AdB2 - Aldino Silt Loam, 3 - 8% slopes
AdC2 - Aldino Silt Loam 8 - 15% slopes
BeB2 - Beltsville Silt Loam, 1 - 5% slopes
BeC2 - Beltsville Silt Loam, 5 - 10% slopes
BeD2 - Beltsville Silt Loam, 10 -15% slopes
ClD2 - Chillum Gravelly Loam, 10-15% slopes
ClE2 - Chillum Gravelly Loam, 15 -30% slopes
CmC2 - Chillum Silt Loam, 5 - 10% slopes
CnD3 - Chillum - Fairfax Loams, 5 -15% slopes
Co - Codorus Silt Loam
EvB - Evesboro Loamy Sand, 1-5% slopes
Ha - Hatboro Silt Loam
IuB - Luka Loam, Local Alluvum, 1 -5% slopes
KeB2-Kelly Silt Loam 3% - 8% slopes
KhC2 - Keyport Silt Loam, 3 - 8% slopes
LeB2 - Legore Silt Loam, 3 - 8% slopes
LeC2 - Legore Silt Loam 8% - 15% slopes
LgC3 - Legore Silty Clay Loam, 8 -15% slopes
Li - Leonardtown Silt Loam
ReC2-Relay Silt Loam 3% - 15% slopes
ScB - Sandy and Clayey Land, gently sloping
ScD - Sandy and Clayey Land, Moderately sloping
SfD2 - Sassafras Gravelly Sandy Loam, 10 -15% slopes
SsE - Sassafras Soils, 15 to 40% slopes.

As mapped by the USDA Natural Resources Conservation Service, dated 02-08-2002.



VICINITY MAP
SCALE: 1"=2000'
ADC MAP:9

FOREST CONSERVATION NOTES:

1. This site is located at 7250 Washington Blvd. Elkridge, MD. It is an existing memorial park. The limit of disturbance for access road expansion is 0.73 acres. No trees or existing forest will be impacted by clearing or grading. Therefore a Simplified Forest Stand Delineation and Forest Conservation Plan was prepared in combination following the requirements of the "State Forest Conservation "Technical Manual", Third Edition, 1997 and the Howard County "Forest Conservation Manual", June 7, 1999.

2. The property is zoned M-1, the site use is institutional with an Afforestation Threshold of 15% and a Conservation Threshold of 20%. It is located outside of the Critical Area boundary. The limit of disturbance (L.O.D.) is less than 40,000 sf, therefore, the L.O.D. has been used as the "net tract area" for the Forest Conservation calculations. The net tract area = 0.73 acres.

3. Areas of the 100 year floodplain are located within the site per FEMA Map 24004400358. There is no 100 year floodplain within the limit of disturbance.

4. There are no forest located within the limit of disturbance.

4. Topographic information was obtain from U.S.G.S. digital data for Howard County. Topographic information for area of disturbance was field run survey prepared by G&O dated May, 2004. There are no slopes of 25% or greater.

5. Mates and Bounds were provided by the owner.

6. No wetlands were surveyed within the area of work.

8. The Meadowridge Memorial House is inventoried as a Historic Site.

9. No trees, shrubs or existing forest stands are affected by the proposed access road.

Forest Conservation Worksheet 2.1	
Note: Use) for all negative numbers that result from the calculations.	
Net Tract Area	
A. Total Tract Area	A = 0.73 Ac.
B. Deductions (Critical Area and Floodplain).	B = 0.00 Ac
C. Net Tract Area Net Tract Area = Total Tract (A) - Deductions (B).	C = 0.73 Ac.
Land Use Category: Institutional	
D. Afforestation Threshold (Net Tract Area (C) x 15%)	D = 0.11 Ac.
E. Conservation Threshold (Net Tract Area (C) x 20%).	E = 0.15 Ac.
Existing Forest Cover	
F. Existing Forest Cover within the Net Tract Area	F = 0.00 Ac.
G. Area of Forest Above Conservation Threshold	G = 0.00 Ac.
If the Existing Forest Cover (F) is greater than the Conservation Threshold (E), then G = F-E; Otherwise G = 0.	
Breakeven Point	
H. Breakeven Point (Amount of forest that must be retained so that no mitigation is required).	H. N/A
(1) If the Area of Forest Above the Conservation Threshold (G) is greater than 0, then H = (0.2 x the Area of Forest Above Conservation Threshold (G)+ the Conservation Threshold (E).	
(2) If the Area of Forest Above the Conservation Threshold (G) is equal to 0, then H = Existing Forest cover (F).	
I. Forest Clearing Permitted Without Mitigation	I. N/A
I = Existing Forest cover (F) - Breakeven Point (H).	
Proposed Forest Clearing	
J. Total Area of Forest to be Cleared.	J = 0.00 Ac.
K. Total Area of Forest to be Retained (in easement)	K = 0.00 Ac.
K = Existing Forest Cover (F) - Forest To be Cleared (J).	
Planting Requirements	
If the Total Area of Forest to be Cleared (K) is at or above the Breakeven Point (H), no planting is required and no further calculations are necessary (L=0, M=0, N=0, P=0); Otherwise, calculate the planting requirement(s) as follows:	
L. Reforestation for Clearing Above the Conservation Threshold.	L. N/A
(1) If the Total Area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then L = the Area of Forest to be Cleared (J) x 0.25;	
(2) If the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then L = Area of Forest Above Conservation Threshold (G) X 0.25	
M. Reforestation for Clearing Below the Conservation Threshold	M. N/A
(1) If Existing Forest Cover (F) is greater than the Conservation Threshold (E) and the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then M = 2.0 x (Conservation Threshold (E) - Forest to be Retained (K)).	
(2) If Existing Forest Cover (F) is less than ore equal to the Conservation THreshold (E), then M= 2.0 X Forest to be Cleared (J)>	
N. Credit for Retention Above the Conservation Threshold	N. N/A
If the area of Forest to be REtained (K) is greater than the Conservation Threshold (E), Then N = K-E	
P. Total Reforestation Required P = L + M - N	P. 0.00 AC.
Q. Total Afforestation Required	Q. 0.11 AC.
If Existing Forest Cover (F) is less than the Afforestation Threshold (D), then Q = Afforestation Threshold (D) - Existing Forest Cover (F).	
R. Total Planting Requirement R = P + Q.	R. 0.11 AC.

The forest conservation requirement for this red-line revision to add an interior access road involving 0.73 acres of disturbance with the adopted DPZ policy, "Forest Conservation and the Limit of Disturbance" dated Setpember 15, 2006 requires a 0.11 acre afforestation obligation which will be satisfied with the payment of a fee-in-lieu in the amount of $2,396.00.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division — Date 2/12/07

Chief, Division of Land Development — Date 2/15/07

Director — Date 2/20/07

ADDRESS CHART	
PARCEL NO.	STREET ADDRESS
179	7250 WASHINGTON BLVD

PERMIT INFORMATION CHART					
SUBDIVISION NAME: MEADOWRIDGE MEMORIAL PARK			SECTION/AREA: N/A		PARCEL NUMBER: 179
PLAT NO: N/A	GRID NO: 22 & 23	ZONING: M-1	TAX MAP NO: 37	ELECT. DISTRICT: 1st	CENSUS TRACT: 6012
WATER CODE: B02			SEWER CODE: 2153000		

STATE OF MARYLAND — LANDSCAPE ARCHITECT — 3170 — CHRISTOPHER RENDELL — 02.06.07

SIMPLIFIED FOREST STAND DELINEATION & FOREST CONSERVATION PLAN
MEADOWRIDGE MEMORIAL PARK
ACCESS ROAD EXPANSION
HOWARD COUNTY, MARYLAND
1ST ELECTION DISTRICT
TAX MAP 37, GRID 22 & 23, PARCEL 179
DEE REF: 151/322, 186/99

SCALE	AS SHOWN
SHEET	1/ OF 1/
PROJ No.	012336
FILE No.	sdp\sheet1
CHECKED	MBK
DRAWN	JIM
DESIGN	JIM
DATE	JULY 2005

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ANNAPOLIS, MARYLAND 21401
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SCIENTISTS
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No.	REVISION	DATE	BY

CLIENT:
MEADOWRIDGE MEMORIAL PARK
7250 WASHINGTON BOULEVARD
ELKRIDGE, MARYLAND 21705
ATTN: MIKE BENNETT
(410) 796-1144

SDP-00-43