#### 2. OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE 3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO 4. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS: MISS UTILITY BELL ATLANTIC TELEPHONE CO: HOWARD COUNTY BUREAU OF UTILITIES: AT&T CABLE LOCATION DIVISION: B.G.&E. CO. CONTRACTOR SERVICES: B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: 787-4620 STATE HIGHWAY ADMINISTRATION: SITE ANALYSIS: TOTAL AREA OF SITE: 28,275 SF (0.65 AC) AREA OF PLAN SUBMISSION: 28,275 SF (0.65 AC) TOTAL NUMBER OF BUILDABLE LOTS: 2 TOTAL NUMBER OF OPEN SPACE LOTS: 0 PRESENT ZONING: R-ED LIMIT OF DISTURBANCE: 18,680 SF (.43 AC) PROPOSED USE OF SITE: SINGLE FAMILY DETACHED DWELLING TOTAL UNITS ALLOWED: 2 TOTAL UNITS PROPOSED: 2 LOCATION: TAX MAP: 25 PARCEL: P/O 98 ZONING: R-ED WORTHINGTON FIELDS DEED REFERENCE: LIBER 5371 FOLIO 174 DPZ REFERENCES: F-01-60, F-01-206, S-98-18, P-01-01, P-01-07, PB-336 7. 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 8. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. 9. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS 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 TO THE COUNTY'S RIGHT OF WAY INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE 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 SOLELY FOR THE PURPOSE OF CALCULATING 12. SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER TO CONFIRM ACCEPTABILITY OF PROPOSED PAVING SECTION, BASED 13. COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENT NO'S. 3044005R AND 3044004R. 14. EXISTING BOUNDARY IS BASED ON PLANS PREPARED BY A FIELD SURVEY PREPARED BY VOGEL AND ASSOCIATES, DATED NOVEMBER 1998. 15. EXISTING BOUNDARY IS BASED ON PLANS PREPARED BY A FIELD SURVEY PREPARED BY VOGEL AND ASSOCIATES, DATED NOVEMBER 1998. 16. THERE ARE NO STEEP SLOPES LOCATED ON THIS PROPERTY. 17. NO BURIAL GROUNDS OR CEMETERIES ARE LOCATED ON THIS PROPERTY. 18. IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS, OR 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. 19. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: A) WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE) B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45 FOOT TURNING D) STRUCTURES (CULVERTS/BRIDGES) - MUST SUPPORT 25 GROSS TON LOADING (H25 LOADING) E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD EVENTS WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE F) STRUCTURE CLEARANCES - MINIMUM 12 FEET G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE 20. NO STREAMS OR WETLANDS EXIST ON SITE. 21. NO 100 YEAR FLOODPLAINS EXISTS ON SITE. 22. THIS SITE PLAN CONFORMS TO THE 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT 23. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV. STANDARD DETAIL R-6.01. 24. THE SUBDIVISION IS IN THE METROPOLITAN DISTRICT. 25. STORMWATER MANAGEMENT FOR THIS SITE IS PROVIDED UNDER F-01-60 26. THERE ARE NO HISTORIC SITES ON THE PROPERTY. 27. THE FOREST CONSERVATION OBLIGATIONS FOR THIS SITE HAVE BEEN ADDRESSED BY THE RETENTION OF EXISTING FOREST INTO EASEMENT AREAS AS APPROVED UNDER F-01-60 28. WATER AND SEWER SERVICE TO THESE LOTS IS GRANTED UNDER THE PROVISIONS OF SECTION 18.122B OF THE HOWARD COUNTY CODE. PUBLIC WATER AND PUBLIC SEWER HAS BEEN GRANTED UNDER THE TERMS AND PROVISIONS THEREOF EFFECTIVE 08/07/01 ON WHICH DATE THE DEVELOPER AGREEMENT 14-3855-D WAS FILED AND ACCEPTED. 29. THE SUBJECT PROPERTY IS ZONED R-ED PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.

725-9976

313-2366

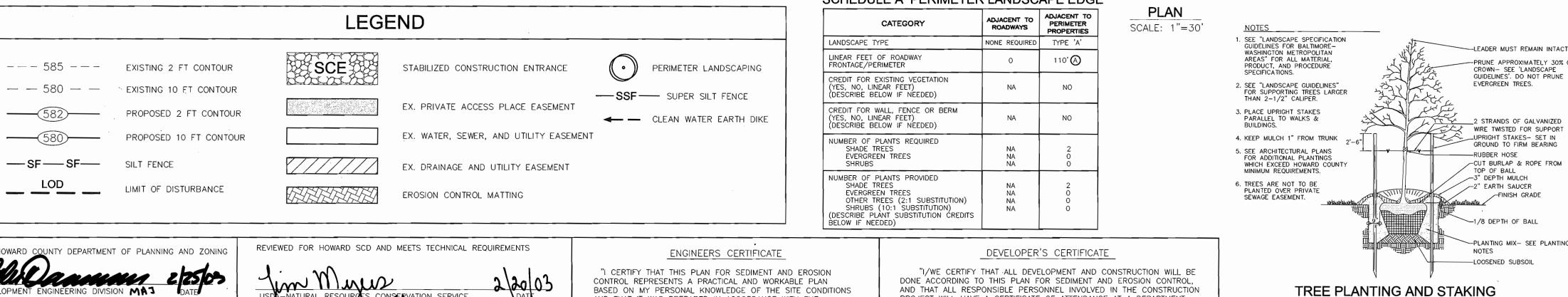
850-4620

#### **GENERAL NOTES** SITE DEVELOPMENT PLAN 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS

# WORTHINGTON FIELDS

**LOTS 47 AND 48** 





AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE

SIGNATURE OF ENGINEER

REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT

OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL

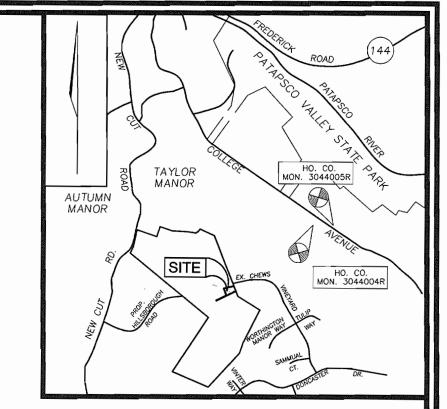
OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT, I ALSO

AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Colut L. Dorses R

OWNER NEW CUT ROAD DEVELOPMENT II, INC. C/O RONALD L. SPAHN 4100 COLLEGE AVENUE ELLICOTT CITY, MD 21043 **DEVELOPER** DR. IRVING AND EDITH TAYLOR

C/O LAND DESIGN & DEVELOPMENT, INC. 8000 MAIN STREET **ELLICOTT CITY, MD 21043** ATTN: MR. DONALD R. REUWER (410) 480-9105



**VICINITY MAP** 

BENCHMARKS						
NO.	NORTHING	EASTING	ELEVATION			
3044005R	578,233.92	1,373,142.33	374.389			
3044004R	578.128.03	1,373,460.71	362.575			

# NOTE

PERIMETER LANDSCAPING IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL SHALL BE PROVIDED AS SHOWN ON THIS SITE PLAN FOR LOT 48. SURETY IN THE AMOUNT OF \$600.00 FOR TWO SHADE TREES ON LOT 48 SHALL BE POSTED WITH GRADING PERMIT. LOT 47 IS EXEMPT SINCE IT IS AN INTERIOR LOT WITHIN THE SAME SUBDIVISION.

# SEQUENCE OF CONSTRUCTION

- 2. Notify Howard County Bureau Of Inspections and Permits (410.313.1880) at least 24 hours before starting any work.
- 3. Construct Stabilized Construction Entrances. (1 day) 4. Install silt fence and erosion control matting. (2 days)
- proceed, rough grade site. (4 days) 6. Construct house. The first floor elevation cannot be more than 1' higher or 0.2' lower than the elevations shown on

5. After obtaining permission from the sediment control inspector to

- this plan. The foundation footprint must be within the generic
- 7. Upon stabilization of all disturbed areas and with the approval of the sediment control inspector, remove all sediment control devices.

ADDRESS CHART				
LOT #	STREET ADDRESS			
47	8013 GARDEN GATE COURT			
48	8017 GARDEN GATE COURT			

PERMIT INFORMATION CHART							
PROJECT NAME WORTHINGTON FIELDS		SECTION/AREA N/A		PARCEL NUMBER P/O 98			
<b>PLAT REF.</b> 15298	BLOCK NO.	ZONE R-ED		TAX MAP 25	ELECT. 2ND		CENSUS TR. 6027
WATER CODE: G-01			<b>SEWER CODE:</b> 1253100				

SHEET INDEX	
DESCRIPTION	SHEET NO.
SITE DEVELOPMENT AND LANDSCAPE PLAN	1 OF 2
HOUSE TYPES AND DETAILS	2 OF 2

`,		
NO.	REVISION	DATE

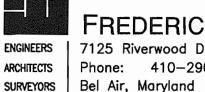
### SITE DEVELOPMENT AND LANDSCAPE PLAN **WORTHINGTON FIELDS** PHASE 2

**LOTS 47 AND 48** 

DPZ REF: F-01-60, F-01-206, S-98-18, P-01-01, P-01-07, PB-336

2ND ELECTION DISTRICT

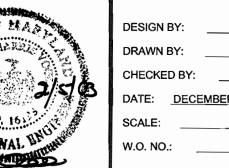
PART OF PARCEL 98 HOWARD COUNTY, MARYLAND



ROBERT H. VOGEL, PE No.16193

I FREDERICK WARD ASSOCIATES, INC. ENGINEERS | 7125 Riverwood Drive Columbia, Maryland 21046-2354 ARCHITECTS | Phone: 410-290-9550 Fax: 410-720-6226

Columbia, Maryland



DATE: DECEMBER 16, 2002

Warrenton, Virginia

#### DEFINITION

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT. LOW NUTRIENT EVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

#### CONDITIONS WHERE PRACTICE APPLIES

THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:

A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.

THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH

C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.

CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.

D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH

LIMESTONE IS NOT FEASIBLE.

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

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.

I. 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

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.

. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

 PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGÉTATIVE STABILIZATION SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

# PERMANENT SEEDING NOTES

FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:

RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED

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

B. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN

D. NO SOD OR SEED SHALL BE PLACED ON SOIL SOIL WHICH

HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS

Y A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY

C. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN

USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS

FLAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED

THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF

II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMMENDMENTS

SPECIFIED IN 20.0 VEGETATIVE STABILIZATION-SECTION I-VEGETATIVE

I. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND

STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND

BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4"

II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE

III. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" -

SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING

CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS

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.

IV. TOPSOIL SHALL NOT BE PLACE WHILE THE TOPSOIL OR

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

SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE

TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:

500 PARTS PER MILLION SHALL NOT BE USED.

THE PH TO 6.5 OR HIGHER.

1.5 PERCENT BY WEIGHT

PHYTO-TOXIC MATERIALS.

STABILIZATION METHODS AND MATERIALS.

NATURAL TOPSOIL.

V. TOPSOIL APPLICATION

SEDIMENT TRAPS AND BASINS.

8" HIGHER IN ELEVATION.

OR WATER POCKETS.

I. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST

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

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 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 FESCÙÉ 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 SLOPÈS 8 FEET OR HIGHÉR, USE 348 GALLONS

PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING. MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". 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 PÉRIOD 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

# 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)
- 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.
- 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
- 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.
- 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.
- 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.

SITE ANALYSIS TOTAL TOTAL AREA AREA DISTURBED AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT OFFSITE WASTE/BORROW AREA LOCATION

- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE

- 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

ALEXIS MARIE - NO REAR 4' EXT

CHAMBERLAIN II - NO REAR M.R. OR S.R.

AUSTIN WESLEY - NO WRAPAROUND PORCH

SHERMAN

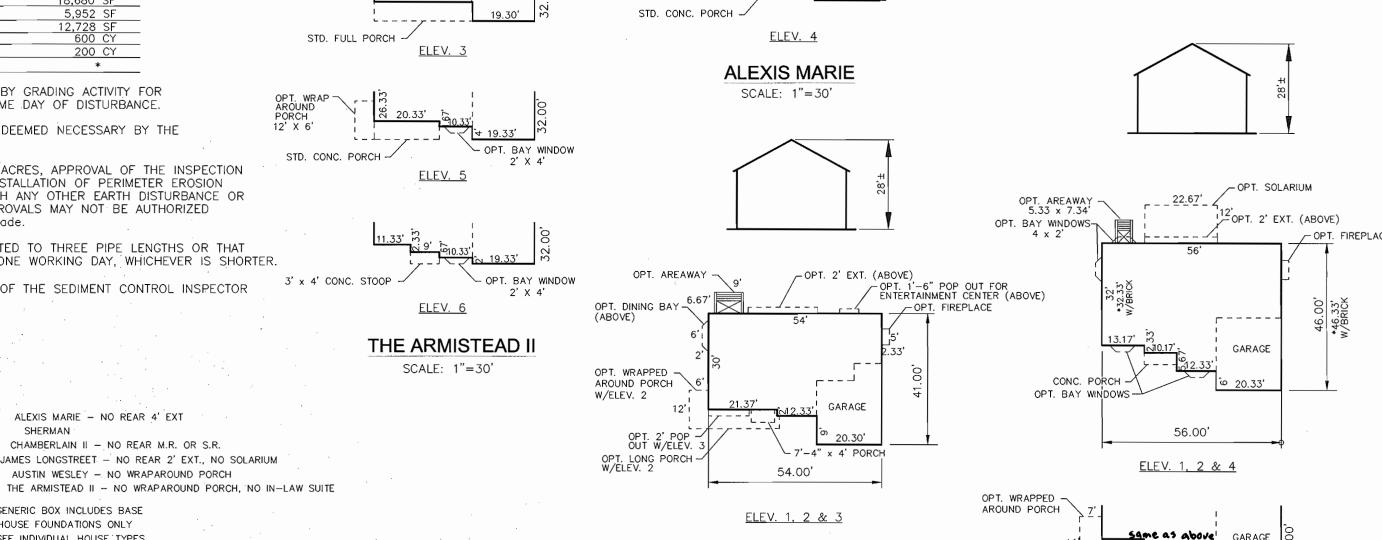
NOTE: GENERIC BOX INCLUDES BASE

FOR OPTIONS

HOUSE FOUNDATIONS ONLY

SEE INDIVIDUAL HOUSE TYPES

SOIL CONSERVATION SERVICE



**AUSTIN WESLEY** 

SCALE: 1"=30'

~ OPT. 12' x 10' MORNING ROOM

 $r - - - \frac{1}{12} - \frac{1}{12} = \frac{1}{12} \times \frac{10}{12} \times$ 

OPT. 4' SOLARIUM EXT.

18.33

GARAGE

└OPT. BAY WINDOW

\_7' x 4' CONC. STOOP

GARAGE

50.00'

ELEV. 1, 2 & 3

OPT. 6' FIREPLACE EXT.

OPT. FIREPLACE-

AROUND PORCH

OPT. BAY WINDOW-

STD. LONG PORCH - W/ELEV. 3

W/ELEV. 3

GARAGE

- 4' x 6' CONC. STOOP

50.00

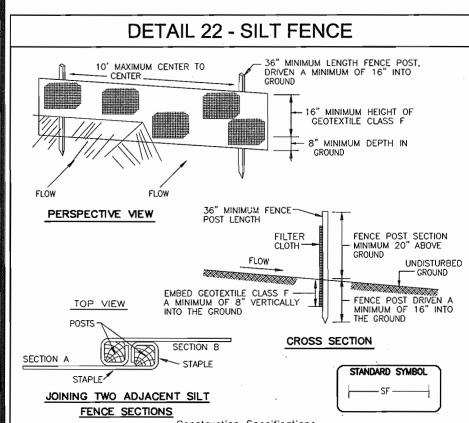
<u>ELEV. 1 & 4</u>

ELEV. 2

30.70

OPT. BUILT-IN FIREPLACE-

Y WNDOW-



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" squore (minimum) cut, or 1 3/4" diameter (minimum) raund and shall be of sound quality hardwood. teel posts will be stondard T or U section weighing not less than 1.00

`Geotextile Class F Tensile Strength 20 lbs/in (min.) Test: MSMT 509 Tensile Modulus 0.3 gol ft /minute (max.) Flaw Rate Test: MSMT 322 Test: MSMT 322 Filtering Eggeciency Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE DETAIL 30 - EROSION CONTROL MATTING — MOUNTABLE BERM (6" MIN.) - EARTH FILL PIPE AS NECESSARY \*\* GEOTEXTILE CLASS
'C' OR BETTER MINIMUM 6" OF 2"- 3 FXISTING GROUND AND WIDTH OF STRUCTURE PROFILE \* 50' MINIMUM – PLAN VIEW 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

Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. \*\* The plon opproval authority may not require single family residences to use geotextile.

 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 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 con-

TYPICAL STAPLES NO. 11 GAUGE WIRE Construction Specification 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

FLOW - EXCAVATE TO PROVIDE REQUIRED FLOW WIDTH AT DESIGN FLOW DEPT GRADE LINE CROSS SECTION DIKE A 18" a-DIKE HEIGHT POSITIVE DRAINAGE SUFFICIENT TO DRAIN b-DIKE WIDTH c-FLOW MIDTH d-FLOW DEPTH PLAN VIEW STANDARD SYMBOL A-2 B-3 FLOW CHANNEL STABILIZATION --- -/--- -GRADE 0.5% MIN. 10% MAX. . Seed and cover with straw mulch. 2. Seed and cover with Erosion Control Matting or line with sod

**GENERIC BOX 'A'** SCALE: 1"=30'

**DETAIL 1 - EARTH DIKE** 

GARAGE

3. 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum

Construction Specifications 1. All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%. 2. Runoff diverted from a disturbed area shall be conveyed to a sediment 3. Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.

4. All trees, brush, stumps, obstructions, and other objectional material

shall be removed and disposed of so as not to interfere with the proper 5. The dike shall be excovated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections 6. Fill shall be compacted by earth moving equipment

7. All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike. 8. Inspection and maintenance must be provided periodically and after each rain event.

SHALL NOT EXCEED 10' CENTER TO CENTER 21/2" DIAMETER OR ALUMINUM WITH 1 LAYER OF FILTER CLOTH CHAIN LINK FENCING-FILTER CLOTH-\_ 34" MINIMUM STANDARD SYMBOL \_\_\_\_ SSF -. Fencing shall be 42" in height and constructed in accordance with the latest Maryland Stote Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length 2. Chain link fence shall be fastened securely to the fence posts with wire ties e 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 3. Maintenance shall be performed as needed and silt buildups removed when "buiges" 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 20 lbs/in (min.) Tensile Modulus Test: MSMT 509 0.3 gal/ft /minute (max.) Test: MSMT 32 Filtering Efficiency 75% (min.) Test: MSMT 322 WATER MANAGEMENT ADMINISTRATION

**DETAIL 33 - SUPER SILT FENCE** 

OPT. 2' EXT'-OPT. AREAWAY -\_ \_ \_ \_ \_ OPT. WRAPPED AROUND PORCH GARAGE W/ELEV. 5 VOPT. BAY — 7' x 4' PORCH (54.00') ELEV. 1-7 NO. ~ 8'-8" x 4' CONC. PORCH ELEV. 8 OPT. WRAPPED AROUND PORCH STD. LONG PORCH

OPT. FIREPLACE-

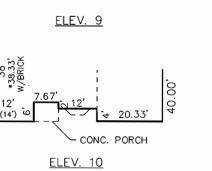
OPT. AREAWAY 6.67'-

OPT. 2' BAY (ABOVE)

REVISION SITE DEVELOPMENT AND LANDSCAPE PLAN **WORTHINGTON FIELDS** PHASE 2 **LOTS 47 AND 48** 

JAMES LONGSTREET

SCALE: 1"=30'

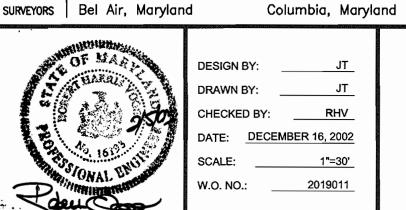


CHAMBERLAIN II DIMS. IN PARENTHISIS DENOTE OPT. 2' EXT.

SCALE: 1"=30'

TAX MAP 25 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND FREDERICK WARD ASSOCIATES, INC. ENGINEERS | 7125 Riverwood Drive Columbia, Maryland 21046-2354

Phone: 410-290-9550 Fax: 410-720-6226



ARCHITECTS

2019011

SHEET \_\_\_ OF \_\_

DATE

PART OF PARCEL 98

Warrenton, Virginia

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING Unde Hannin 2/25/03 SHIEF, DIVISION OF LAND DEVELOPMENT

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS -NATURAL RESOUR**C**ES ON MERWATION SERVICE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND

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

effected by the flow must be keyed-in.

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 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. 1 ALSO

Calent A. John SIGNATURE OF DEVELOPER

AUTHORIZE PERIODIC ON—SITE INSPECTION BY THE HOWARD SOIL ONS EVATION DISTRICT. 2-6-03

H. VOGEL

CROSS-SECTION

OPT. FIREPLACE OR BUILT-IN ENTERTAINMENT CENTER

r – –

GARAGE

OPT. 2' EXT. W/ELEV. 3

<sup>1</sup>6' x 4' STOOP

46.00'

(48.00')

ELEV. 1-6

SHERMAN

DIMS. IN PARENTHISIS

DENOTE OPT. 2' SIDE EXT.

SCALE: 1"=30'

-OPT. BAY WINDOW

\_ \_ \_

✓ OPT. 2' EXT. (ABOVE

OPT. 6' IN-LAW SUITE EXT. -

OPT. 2' EXT.-

OPT. BAY WINDOW-

STD. LONG PORCH — W/ELEV. 4

OPT. AREAWAY 5' x 7'

OPT. 6 X 2 BAY WINDOW

(NOT AVAIL. W/W.A. PARCH-

OPT. WRAPPED

AROUND PORCH