GENERAL NOTES

- 4 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 JULITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO
- 3 THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:

1-800-257-7777 MISS UTILITY BELL ATLANTIC FELEPHONE CC+ 725-9976 HOWARD COUNTY BUREAU OF UTILITIES: 3 - 3 - 2366 AT&T CABLE LOCATION DIV:S:ON: 393-3553 B.G.&E. CO CONTRACTOR SERVICES: 850-4620 B.G.&E. CO. UNDERGROUND DAMAGE CONTROL 787-4620 STATE HIGHWAY ADMINISTRATION-

4. S-TE ANALYSIS:

AREA OF SITE: 87,123 SF (2.00 AC) AREA OF PLAN SUBMISSION: 87,123 SF (2.00 AC) TOTAL NUMBER OF BUILDABLE LOIS: 2

PRESENT ZONING: R-20 CMIT OF D'STURBANCE: 30,815 SH (.71 AC) PROPOSED USE OF SITE! SINGLE FAMILY DWELLINGS

TOTAL UNITS ALLOWED: 2 TOTAL UNITS PROPOSED, 2

5 PROJECT BACKGROUND LOCATION: TAX MAP: 17 PARCEL: T/3 BLOCK: 14

ZONING: R~20 GRAY FOX WOODS

DEED REFERENCE: (IBER 5629 FOLIO 653 DPZ_REFERENCES: F-01-07, WP-01-47

TOTAL NUMBER OF UPEN SPACE LOTS: 0

- 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
- 7. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 8. FXISTING 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 UNINTERUPTED SERVICE. ANY DAMAGE TO THE COUNTY'S RIGHT OF WAY INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED MMEDIATELY AT THE CONTRACTORS EXPENSE.
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCH), ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- 10. ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CATCULATING
- 11. 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
- 12 COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENT NO'S, 17DA AND 17DB.
- 13. EXISTING TOPOGRAPHY IS BASED ON PLANS PREPARED BY A FELD SURVEY PREPARED BY VOGEL & ASSOCIATES, DA TO JUNE 2000.
- 14. ACCESS TO WATER THE BEEN PROVIDED UNDER CONTRACT NO. 44-178. ACCESS TO SEWER HAS BEEN PROVIDED UNDER CONTRACT NO. 20-1067
- 15. THERE ARE NO STEEP SLOPES LOCATED ON THIS PROPERTY.
- 16. NO BURIAL GROUNDS OR CEMETERIES ARE LOCATED ON THIS PROPERTY
- .7. 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 LEET INTO THE FRONT OR REAR YARD SETBACK
- 18. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: (HO. CO. STD P-1 PAVING) A) WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE)
- B) SURFACE 6 NCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE. AND MINIMUM 45 FOOT TURNING RADUS
- D) STRUCTURES (CULVERTS/BRIDGES) MUST SUPPORT 25 GROSS TON LOADING (H25 LOADING) E) DRAINAGE LLEMENTS -- CAPABLE OF SAFELY PASSING 100 YEAR FLOOD (VENTS WITH NO MORE) THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
- F) STRUCTURE CLEARANCES MINIMUM 12 FEET

G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

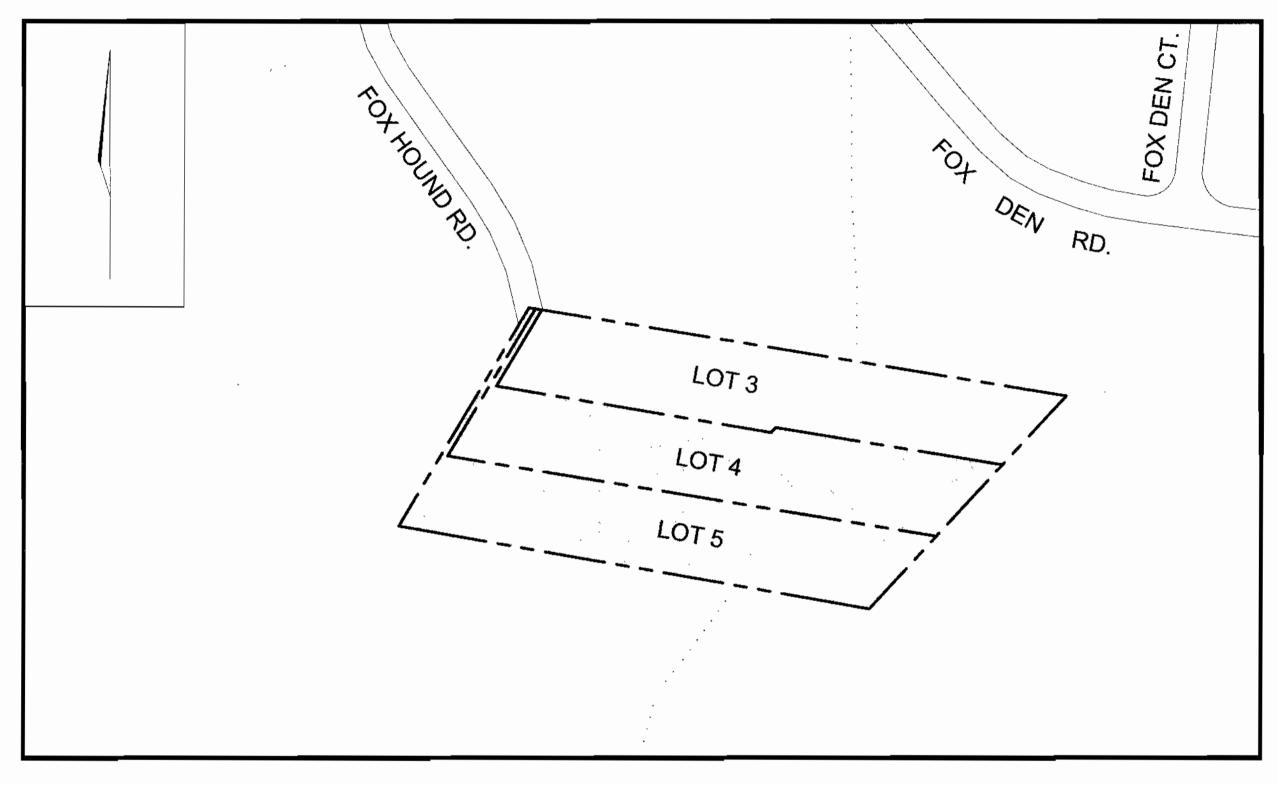
- 19. ALL DRIVEWAY APRONS TO BE PER HOWARD COUNTY STANDARD DETAIL NO.'S R-6.05 & R-6.01 UNLESS OTHERWISE NOTED.
- 20. PERIMETER LANDSCAPING FOR LOT 5 SHALL BE PROVIDED AS SHOWN ON SHEET 2 OF THIS SITE PLAN AND IN ACCORDANCE WITH ACERTIFIED LANDSCAPE PLAN ON FILE WITH F-01-07, PER SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE PLAN. LOT \(\mathbf{H}\) IS AN INTERIOR LOT AND IS EXEMPT FROM PERIMETER LANDSCAPING LOT 5 SHALL REQUIRE (6) SHADE TREES AND SHALL HAVE SURETY POSTED WITH THE GRADING PERMIT IN THE AMOUNT OF \$1800.00
- 21. WEILANDS SHOWN HEREON BASED ON DELINEATION PERFORMED BY WILDMAN ENV:RONMENTAL SERVICES DATED APRIL 2000.
- 22 100 YEAR FLOODPLAIN SHOWN HEREON BASED ON ANALYSIS PERFORMED BY
- VOGEL AND ABSOCIATES, INC. 23 NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, STREAMS, FLOODPLAINS, OR THE'R BUFFERS EXCEPT FOR INDIVIDUAL WATER AND SEWER HOUSE CONNECTIONS ON LOTS 4 AND 5.
- 24. FEE-IN-LIEU OF THE OPEN SPACE IN THE AMOUNT OF \$4500.00 (\$1500.00 FOR EACH NEW LOT) WAS APPROVED AND HAS BEEN PAID BY THE DEVELOPER UNDER 1-01-07
- 25. REFERENCE WAIVER PETITION WP-01-47 APPROVED DECEMBER 5, 2000 10 WAIVE SECTION 16.120(C)(I) AND SECTION 16.120(C)(II) OF THE HOWARD COUNTY SUBDIVISION REGULATIONS TO REDUCE THE MINIMUM LOT FRONTAGE OF LOT 3 TO 6.83' AND ADJACENT PIPESTEM LOTS WHICH SHARE A COMMON DRIVEWAY TO HAVE SUFFICENT COLLECTIVE FRONTAGE TO MEET DRIVEWAY EASEMENT REQUIREMENTS IN THE DESIGN MANUAL (I.e. 24 FEET) SUBJECT TO.
 - A. THE 14' DRIVEWAY 'S CONSTRUCTED WITH'N THE EASEMENT TO FOX HOUND ROAD WITHOUT DISTURBANCE TO ADJACENT LOT 27.
- B NO FURTHER SUBDIVISION WILL BE PERMITTED UTILIZING THE USE IN COMMON ACCESS EASEMENT PROPOSED FOR LCTS 3-5 ON THIS PLAT (F-01-07)
- C. THE APPLICANT SHALL GRANT EASEMENT OF THE 100 YEAR FLOODPLAN TO HOWARD COUNTY AS PART OF THE SUBDIVISION PROPOSAL.
- 26. FEE-IN-LIEU OF PROVIDING STORMWATER MANAGEMENT FOR THIS PROJECT PER SECTION 5.23.A.3 OF THE DESIGN MANUAL, VOLUME 1 WAS APPROVED ON JULY 27, 2000. WATER QUALITY FOR LOTS 4 & 5 WILL BE PROVIDED BY THE INSTALLATION OF DRYWELLS FOR
- 27 THE FOREST CONSERVATION OBLICATIONS INCURRED BY THIS SUBDIVISION (1.54 ACRES OF REFORESTATION) HAS BEEN MET BY THE PURCHASE OF 1.54 ACRES OF OFF-SITE FOREST CONSERVATION FASEMENT LOCATED ON THE WINKLER PROPERTY MITIGATION BANK UNDER F-01-07.

SITE DEVELOPMENT PLAN

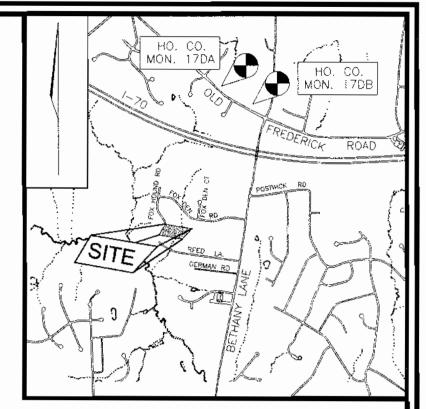
GRAY FOX WOODS

LOTS 4 AND 5

HOWARD COUNTY, MARYLAND



LOCATION PLAN SCALE · 1"=100'



EASTING ELEVATION

BENCHMARKS	

NO. NORTHING

17DA	595,410.845	1.351,641.146	482.04
17DB	594,529 556	1,352,722.586	476.02

ADDRESS CHART				
LOT #	LOT # STREET ADDRESS			
4	2841 FOX HOUND ROAD			
5	2845 FOX HOUND ROAD			

PERMIT INFORMATION CHART						
PROJECT NAME GRAY FOX WOODS			SECTION/AREA		PARCEL NUMBER	
PLAT REF. 15153	BLOCK NO.	ZONE R-20	TAX MAP	ELECT. 2NE		CENSUS TR. 6022 00
WATER CODE: H08 SEWER CODE: 5991000						

SHEET INDEX	
DESCRIPTION	SHEET NO.
COVER SHEET	1 OF 3
SITE DEVELOPMENT AND LANDSCAPE PLAN	2 OF 3
DETAILS	3 OF 3

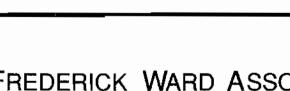
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NO.	REVISION	DATE

COVER SHEET

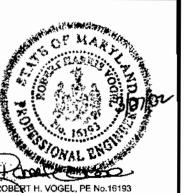
GRAY FOX WOODS

LOTS 4 AND 5

TAX MAP 17 BLOCK 14 2ND ELECTION DISTRICT



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



surveyors | Bel Air, Maryland

DESIGN BY:	JC0
DRAWN BY:	JT
CHECKED BY:	RHV
DATE:	FEB. 1, 2002
SCALE:	AS NOTED
W.O. NO.: _	2019186

SHEET

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

ENGINEERS CERTIFICATE

SIGNATURE OF ENGINEER ROBERT H. VOGEL

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND FROSION 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.

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 ON-SITE INSPECTION BY THE HOWARD SOIL

DEVELOPER'S CERTIFICATE

DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL,

AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE

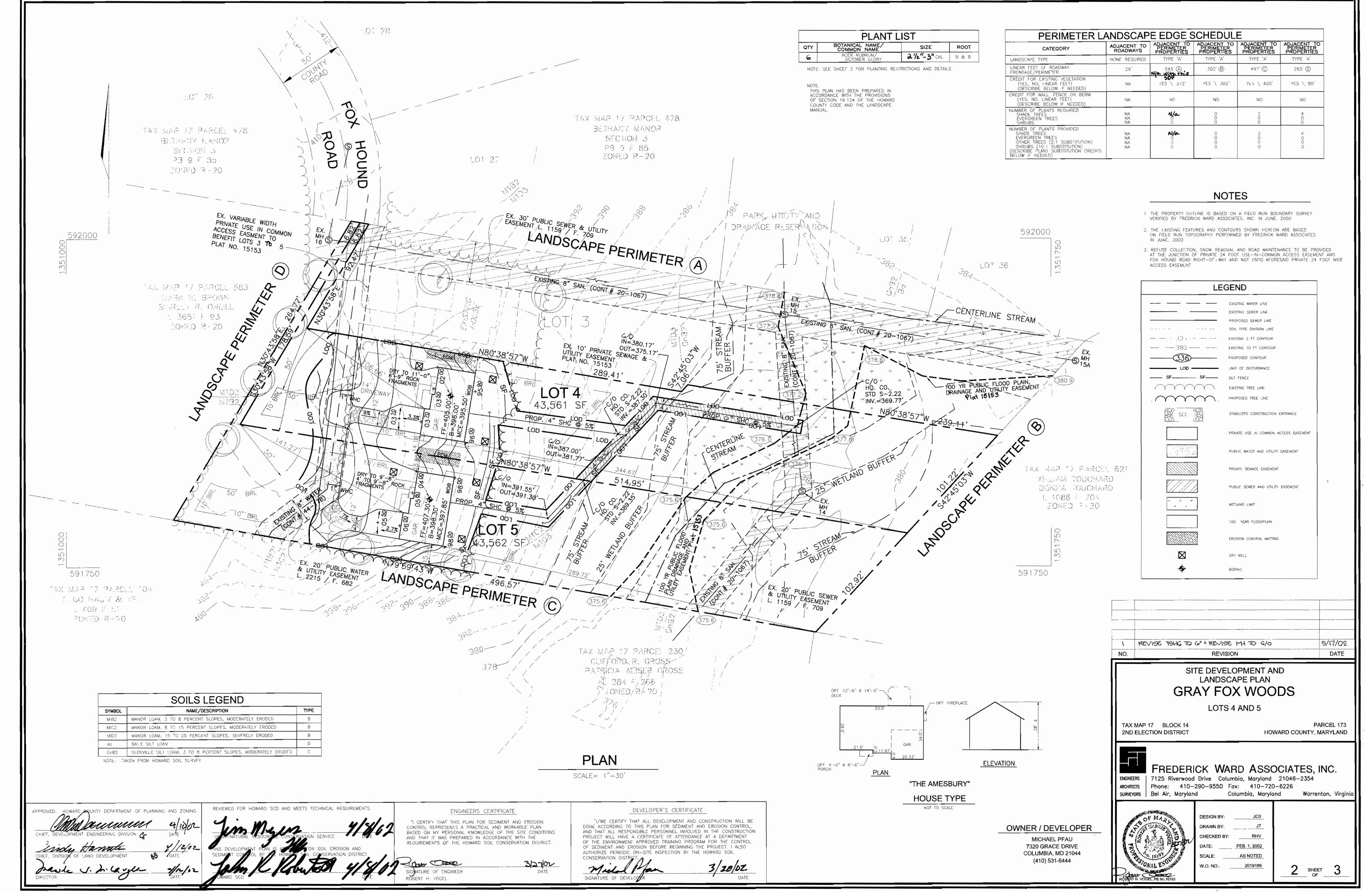
OWNER / DEVELOPER MICHAEL PFAU 7320 GRACE DRIVE COLUMBIA, MD 21044

(410) 531-6444

PARCEL 173

HOWARD COUNTY, MARYLAND

Columbia, Maryland Warrenton, Virginia



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

PURPOSE

To provide a suitable soil medium for vegetable growth. Sois of concern have low moisture content, low nutrient levels, 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 fexture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

The soi 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.

 The soil is so acidic that treatment with limestone is not feasible.

4. 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-ISCS in cooperation with Maryland Agricultura Experimental Station.

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

 Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by valume of cinders, stones, slag, coarse fragments, gravel, sticks. roots, trash, or other materials larger that 1 and 1/2" in laiameter.

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

🚟. Where the subsoil is either highly acidic or composed of neavy clays, ground limestone snall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square teet) 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. omendments as specified in 20.0 Vegetative Stabilization -Section: - 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:

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.

a. pH for topsoil shall be between 6.0 and 7.5. If

Topsoli 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 New of natural topsoil.

ii. Place topsoil (if required) and apply soil ammendments specified in 20.0 Vegetative Stabilization—Section I--Vegetative Stabilization Methods ond Materials.

V Topsoil Application

. When topsoiling, maintain needed crosion 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. Topsoit shatt 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 packets.

iv. Fopsoil 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

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 sa.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./ 1000 sq.fl.) 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 toris 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 dore (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

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 fla areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

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

SEEDING: For periods March 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 lons per acre (70 to 90 lbs./1000 sa.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

DETAIL 22 - SILT FENCE 10' MAXIMUM CENTER 10 DRIVEN A MINIMUM OF 16" INTO I → CENTER _ GROUND 16" MINIMUM HEIGHT OF GEOTEXTILE CLASS F - 8" MINIMUM DEPTH IN 36" MINIMUM FENCE PERSPECTIVE VIEW POST LENGTH FILTER FENCE POST SECTION - MINIMUM 20" ABOVE CLOTH-GROUND FLOW UNDISTURBED — GROUND EMBED GEOTEXTILE CLASS F - FENCE POST DRIVEN A A MINIMUM OF 8" VERTICALLY 1 MINIMUM OF 16" INTO INTO THE GROUND THE GROUND CROSS SECTION SECTION B SECTION A STAPLE STANDARD SYMBOL ----- SF -----JOINING TWO ADJACENT SILT FENCE SECTIONS 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 I or U section weighing not less than 1.00

pound per linear foot

Filtering Eggeciency

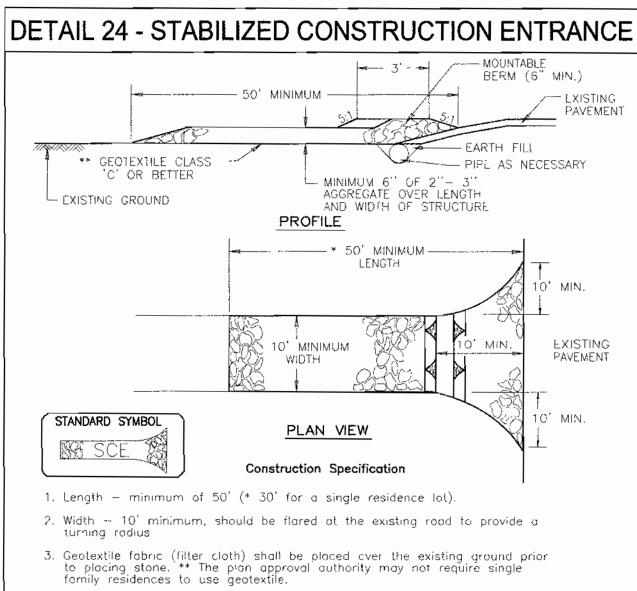
2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mia-section and shall meet the following requirements Tensile Strength Test: MSMT 509 50 lbs/m (min.) 20 lbs/.n (min.) Test: MSMT 509 Tensile Modulus 0.3 gal ft 1/minute (max.) Test: MSMT 322 Flow Rate

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

- 75% (min.)

4. Siit Fence shall be inspected after each rainfall event and maintained when pulges occur or when sediment accumulation reaches 50% of the fabric

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



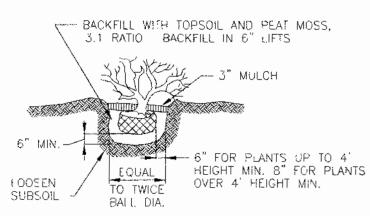
4. Stone — crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of

5. Surface Water - all surface water flowing to or diverted toward construction

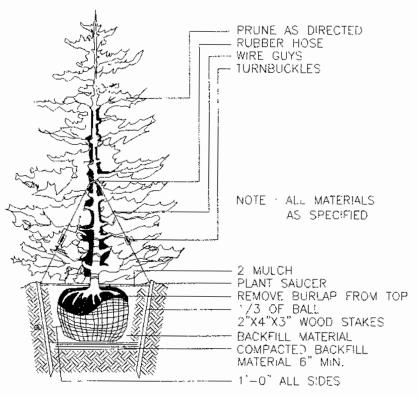
entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:3 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convéy, 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

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 MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



SHRUB PLANTING DETAIL



TYPICAL EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE

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.
- 3. Following initia soi 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. At 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 LOT 5 Total Area Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized ____ Total Cut ____ Total Fill

- Any sediment control practice which is disturbed by grading activity for piccement of utilities must be repaired on the same day of disturbance.
- 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

SEQUENCE OF CONSTRUCTION

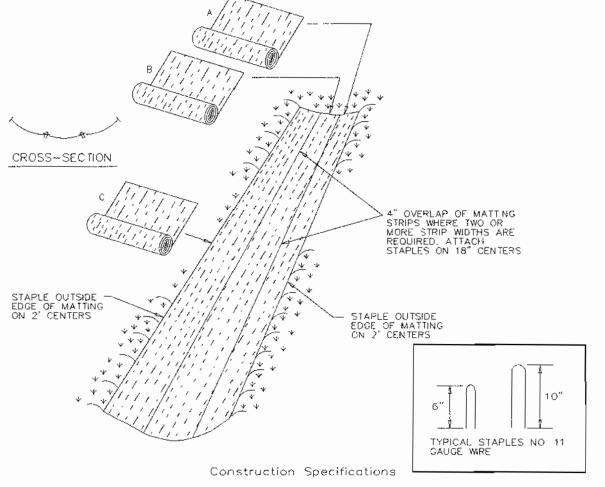
- t. Obtain grading permit.
- 2. Notify Howard County Bureau Of Inspections and Permits (410.313.1880)
- at least 24 hours before starting any work. 3. Construct Stabilized Construction Entrances. (1 aay)
- 4. Install sitt fence.
- 5. After obtaining permission from the sediment control inspector to 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 this plan. (4 months)
- 7. Final lot grade to be in substantial conformance with site development plan. (2 days)

NOTES:

- 1. During grading and after each rainfall, the contractor shall inspect and provide the necessary maintenance on the sediment and erosion control measures shown
- 2. Following initial soil disturbance or reaisturbance permanent or temporary stabilization shall be compiled
 - A. 7 calendar days for all perimeter sediment control B 34 catendar days for all other disturbed areas. structures, dikes, swales, dilah perimeter slopes slopes and all slopes greater than 3.1
- 3. Upon stabilization of all disturbed areas and with the approval of the sediment control inspector, remove all sediment control devices.

DETAIL 30 - EROSION CONTROL MATTING

Test: MSMT 322



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 motting 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 afternating rows down the center.

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 spacea 6" aport in a staggered pattern or either side 6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

5. Where one roll of matting ends and another begins, the end of

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

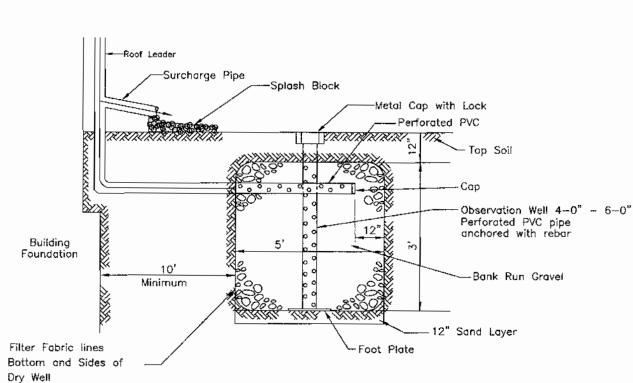
U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE G - 22 - 2

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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL

PLANTING RESTRICTIONS

AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.

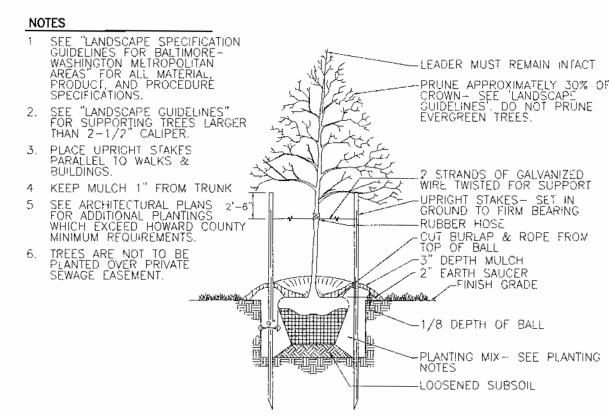


TYPICAL DRY WELL CROSS SECTION NOT TO SCALE

DRT WELL CHART				
LOT No.	DRY WELL STONE VOLUME REQ.	DRY WELL STONE VOLUME PROV.	No. WELLS	WELL SIZE
4	157 CF	225 CF	3	5'x5'x3'
5	157 CF	225 CF	3	5'x5'x3'
		-		

OWNER / DEVELOPER MICHAEL PFAU 7320 GRACE DRIVE COLUMBIA, MD 21044

(410) 531-6444



TREE PLANTING AND STAKING

NOT TO SCALE

NO. REVISION DATE

DETAIL SHEET GRAY FOX WOODS

LOTS 4 AND 5

ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354

ARCHITECTS Phone: 410-290-9550 Fgx: 410-720-6226

2ND ELECTION DISTRICT

TAX MAP 17 BLOCK 14

FREDERICK WARD ASSOCIATES, INC.

Columbia, Maryland



surveyors | Bel Air, Maryland

DESIGN BY: 1C0 DRAWN BY: CHECKED BY: DATE: SCALE:

RHV FEB. 1, 2002 AS NOTED W.O. NO.: 2019186

PARCEL 173

Warrenton, Virginia

HOWARD COUNTY, MARYLAND

REVIEWED FOR HOWARD SCD AND MESTS TECHNICAL REQUIREMENTS

'I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRÉSENTS 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.

ENGINEERS CERTIFICATE

CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Offsite waste/borrow area location _

312710V

URE OF DEVELOPER 🦾