## **GENERAL NOTES**

1. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS: MISS UTILITY

VERIZON TELEPHONE 725-9976 313-2366 HOWARD COUNTY BUREAU OF UTILITIES: AT&T CABLE LOCATION DIVISION: 393-3553 B.G.&E. CO. CONTRACTOR SERVICES: 850-4620 B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: STATE HIGHWAY ADMINISTRATION: 2. SITE ANALYSIS:

TOTAL AREA OF SITE: 6.17 AC. PRESENT ZONING: 3.95 AC LIMIT OF DISTURBANCE PROPOSED USE OF SITE: SINGLE FAMILY DETACHED DWELLINGS

PROJECT BACKGROUND: LOCATION: TAX MAP 38, PARCEL 528, BLOCK 9 ZONING: DEED REFERENCE: 6999/695 REF.: S-02-02, WP-02-85 (APP. 4/26/02), P-03-09, F-03-223 DPZ REFERENCES:

4. ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE

- 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS
- 6. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION
- DIMISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK. 7. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK
- 8. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE
- THE SUBJECT PROPERTY IS ZONED R-12 PER THE 02/02/2004 COMPREHENSIVE ZONING REGULATIONS.
- 10. IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS. BAY WINDOWS OR 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.
- 11. THE PROJECT BOUNDARY IS BASED ON A SURVEY PREPARED BY FREDERICK WARD ASSOCIATES, DATED JULY 2002.
- 12. THE TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY FREDERICK WARD ASSOCIATES,
- 13. COORDINATE DATUM IS BASED ON THE MARYLAND COORDINATE SYSTEM (NAD 83) AS PROJECTED BY THE FOLLOWING HOWARD COUNTY GEODETIC CONTROL STATIONS: 38R2 & 38R3
- WATER AND SEWER FOR THIS PROJECT WILL BE PUBLIC AND PROVIDED THROUGH CONTRACT NO. 14-4104-D. 15. STORMWATER MANAGEMENT IS PROVIDED FOR THIS DEVELOPMENT UNDER CONTRACT NUMBER F-03-223. THE STORMWATER
- MANAGEMENT FACILITY LOCATED ON LOT 20 IS A POCKET POND PROVIDING CPV AND WQV. THE BIORETENTION FACILITY LOCATED ON LOT 15 PROVIDES WOV AND Rev. BOTH FACILITIES ARE HAZARD CLASS 'A' AND ARE OWNED AND MAINTAINED BY THE HOA.
- 16. NO WETLANDS OR STREAMS ARE LOCATED ON-SITE.
- 17, NO FLOODPLAIN IS LOCATED ON-SITE.
- 18. NO STEEP SLOPES ARE LOCATED ON-SITE.

MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.

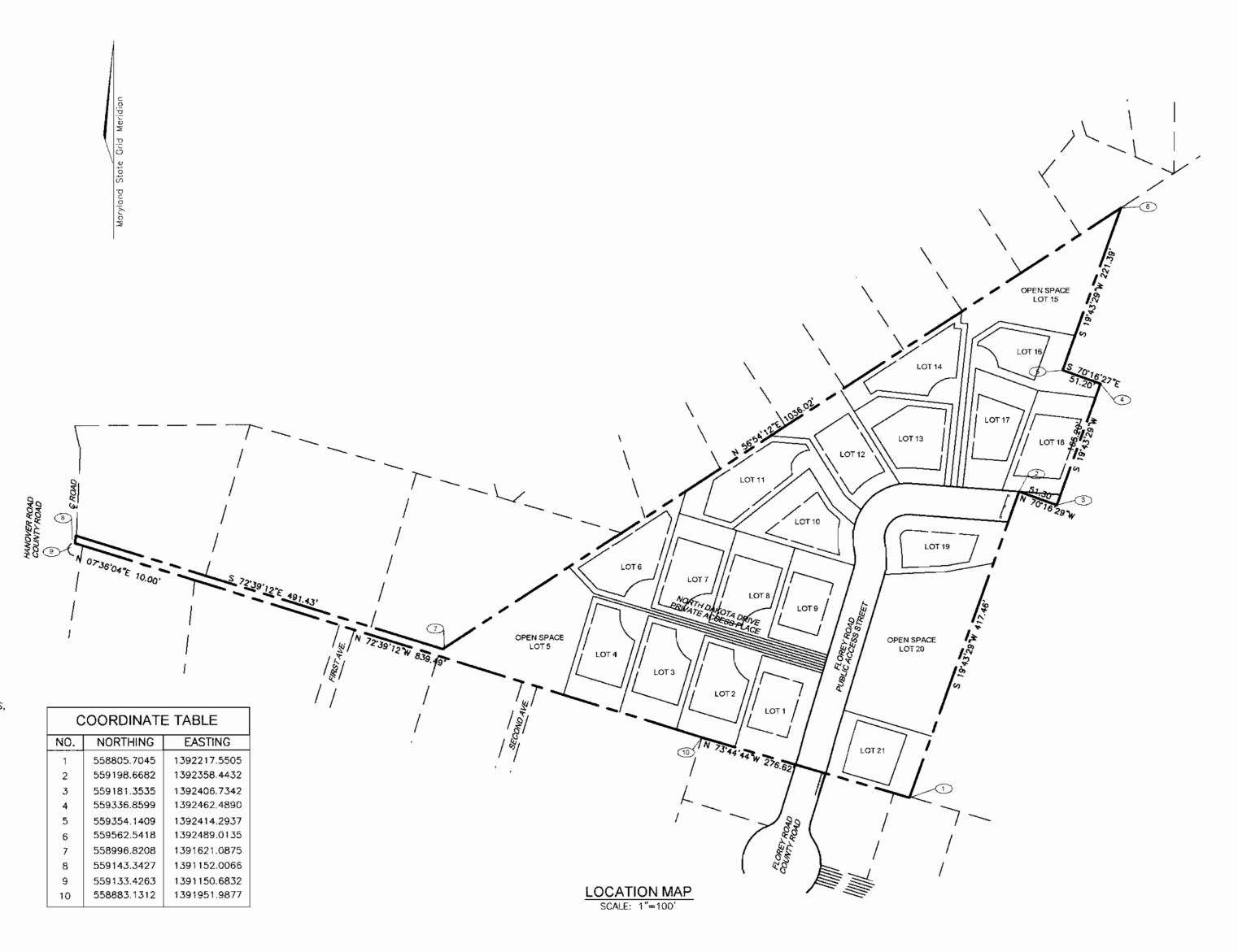
- 19. A FOREST STAND DELINEATION PLAN WAS PREPARED FOR THIS SITE BY FREDERICK WARD ASSOCIATES, DATED AUGUST 2001, AND APPROVED UNDER S-02-02.
- 20. FOREST CONSERVATION PLAN PREPARED BY FREDERICK WARD ASSOCIATES, DATED SEPTEMBER 2004, AND APPROVED UNDER
- 21. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN THE LIMITS OF FOREST CONSERVATION EASEMENT AREAS.
- 22. PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING REQUIREMENTS AS SET FORTH IN SECTION 16.124 OF THE SUBDIVISION REGULATIONS AND THE HOWARD COUNTY LANDSCAPE MANUAL ARE SHOWN AS PROVIDED UNDER F-03-223. LANDSCAPING FOR THE REQUIRED TRASHPAD IS SHOWN AS PROVIDED UNDER F-03-223.
- 23. PERIMETER LANDSCAPING REQUIREMENTS AS SET FORTH IN SECTION 16.124 OF THE SUBDIVISION REGULATIONS OF THE HOWARD. COUNTY LANDSCAPE MANUAL FOR LOTS 9,1 AND 19 ARE PROVIDED. LANDSCAPE SURETY IN THE AMOUNT OF \$1,050.00 FOR LOT 1, \$1,050.00 FOR LOT9, AND \$1,500.00 FOR LOT 19. TOTAL LANDSCAPE SURETY OF \$3,600.00 HAS BEEN POSTED WITH THE
- BUILDER'S GRADING PERMIT. THIS PROPERTY IS WITHIN THE METROPOLITAN DISTRICT.
- HE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL/CEMETARY LOCATIONS ON SITE.
- 26. OPEN SPACE LOTS 5, 15 AND 20 ARE PRIVATELY OWNED AND MAINTAINED BY THE HOA.
- 28. FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT-OF-WAY ONLY AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY. THE HOA WILL BE RESPONSIBLE FOR THE TRASH PAD AND ITS SURROUNDING LANDSCAPING
- 29. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO ENSURE SAFE ACCESS FOR FIRE EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: WIDTH - 12 (14' FOR SERVING MORE THAN ONE RESIDENCE)
  - SURFACE 6' OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MIN) GEOMETRY - MAX 15% GRADE, MAX 10% GRADE CHANGE, AND MIN 45' TURNING RADIUS
  - STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT OF DEPTH OVER
  - MAINTENANCE SUFFICIENT TO ENSURE ALL WEATHER USE
- 30. WP-02-85: A WAIVER PETITION HAS BEEN SUBMITTED AND APPROVED, DATED APRIL 26, 2002, TO WAIVE SECTION 16.121(a)(3)(ii) TO NOT BE REQUIRED TO CONSOLIDATE THE 3 PROPOSED OPEN SPACE LOTS INTO A SINGLE OPEN SPACE LOT WHICH IS CONTIGUOUS WITH ADJACENT OPEN SPACE, SECTION 16.121(e)(1) TO REDUCE THE MINIMUM REQUIRED PUBLIC ROAD FRONTAGE OF 40' FOR AN OPEN SPACE LOT TO 3.4' FOR OPEN SPACE LOT 5 AND 8' FOR OPEN SPACE LOT 15, AND SECTION 16.121(e)(2) TO PERMIT A STORMWATER MANAGEMENT ACCESS AND OPEN SPACE ACCESS TO OPEN SPACE 15 TO BE LOCATED ON PORTIONS OF RESIDENTIAL LOTS 14 AND 16 AND OPEN SPACE ACCESS TO OPEN SPACE LOT 5 LOCATED ON PORTIONS OF LOTS 3, 4 AND 6-8.
  - APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS: 1. THE PROPOSED SHARED ACCESS EASEMENTS SHALL PERMIT MAINTENANCE VEHICLE AND/OR PEDESTRIAN ACCESS TO OPEN
  - SPACE LOTS 5 AND 15. 2. IN ACCORDANCE WITH SECTION 16.121(a)(4) OF THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, RECREATIONAL OPEN SPACE IS NOT REQUIRED FOR THIS SUBDIVISION OF LESS THEN 20 RESIDENTIAL LOTS. 3. THE ARE OF OPEN SPACE LOT 5 WIDER THAN 35' SHALL BE USED FOR FOREST CONSERVATION RETENTION AND REFORESTATION
- 31. THIS SUBDIVISION IS SUBJECT TO THE REQUIREMENTS OF THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS BECAUSE THE SKETCH PLAN WAS SUBMITTED FOR REVIEW PRIOR TO 11/15/01. DEVELOPMENT OR CONSTRUCTION OF THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN OR BUILDING/GRADING PERMIT.
- 32. ALL DRIVEWAY APRONS TO BE PER HOWARD COUNTY STANDARD DETAIL NO R-6.03 AND R-6.05.

FOR A PART OF THE FOREST CONSERVATION PROVISIONS FOR THIS SUBDIVISION.

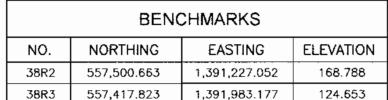
- 33. THE MAINTENANCE AGREEMENT FOR THE USE-IN-COMMON DRIVEWAY IS RECORDED IN LIBER 6999 AT FOLIO 695 THE MAINTENANCE AGREEMENT FOR THE PRIVATE ACCESS PLACE ACCESS (NORTH DAKOTA DRIVE) IS RECORDED IN LIBER 9021 AT FOLIO 168 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.
- 34. DECKS ARE NOT PERMITTED TO BE LOCATED WITHIN ANY 7.5' BUILDING RESTRICTION LINE.

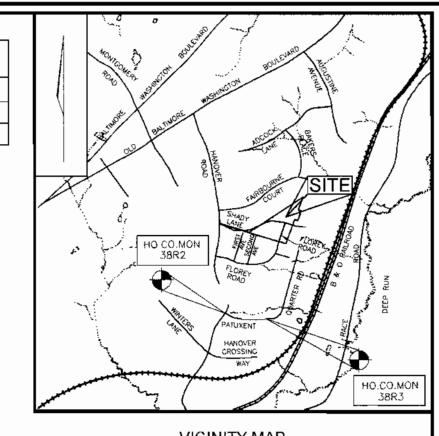
# SITE DEVELOPMENT PLAN WHITETAIL WOODS II

LOTS 1-21 HOWARD COUNTY, MARYLAND



AREA TABULATION PER F-03-223	TOTAL
NUMBER OF BUILDABLE LOTS 🌠	18
NUMBER OF OPEN SPACE LOTS	3
NUMBER OF LOTS	21
AREA OF BUILDABLE LOTS	4.2428 AC
AREA OF OPEN SPACE LOTS	1.4436 AC
AREA OF LOTS	5.6864 AC
AREA OF ROADWAY	0.4880 AC
TOTAL AREA OF SUBDIVISION	6.1744 AC





ADDRESS CHART					
LOT #	STREET ADDRESS	LOT #	STREET ADDRESS		
1	5976 FLOREY ROAD	12	5962 FLOREY ROAD		
2	5907 NORTH DAKOTA DRIVE	13	5958 FLOREY ROAD		
3	5911 NORTH DAKOTA DRIVE	14	5954 FLOREY ROAD		
4	5915 NORTH DAKOTA DRIVE	15	OPEN SPACE		
5	OPEN SPACE	16	5950 FLOREY ROAD		
6	5914 NORTH DAKOTA DRIVE	17	5946 FLOREY ROAD		
7	5910 NORTH DAKOTA DRIVE	18	5942 FLOREY ROAD		
8	5906 NORTH DAKOTA DRIVE	19	5955 FLOREY ROAD		
9	5902 NORTH DAKOTA DRIVE	20	OPEN SPACE		
10	5970 FLOREY ROAD	21	5985 FLOREY ROAD		
11	5966 FLOREY ROAD				

PERMIT INFORMATION CHART							
	PROJECT NAME WHITETAIL WOODS II			SECTION/AREA N/A		LOT NUMBERS 1 TO 21	
PLAT REF. 17285 - 17288	BLOCK NO. 9	ZONE R-12		AX MAP 38	ELECT. 1ST		CENSUS TR. 6012.01
WATER CODE: A-01 SEWER CODE: 2130000							

SHEET INDEX		
DESCRIPTION	SHEET NO.	
COVER SHEET	1 OF 3	
SITE DEVELOPMENT PLAN AND LANDSCAPE PLAN	2 OF 3	
SEDIMENT AND EROSION CONTROL DETAILS, HOUSE TYPE DETAILS AND LANDSCAPE DETAILS	3 OF 3	

REVISION

## **COVER SHEET** WHITETAIL WOODS II

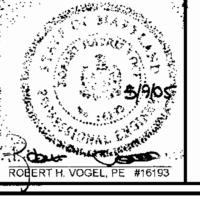
LOTS 1 - 21

TAX MAP 38 BLOCK 9 1ST ELECTION DISTRICT REF.: S-02-02, WP-02-85, P-03-09, F-03-223

PARCEL '528' HOWARD COUNTY, MARYLAND



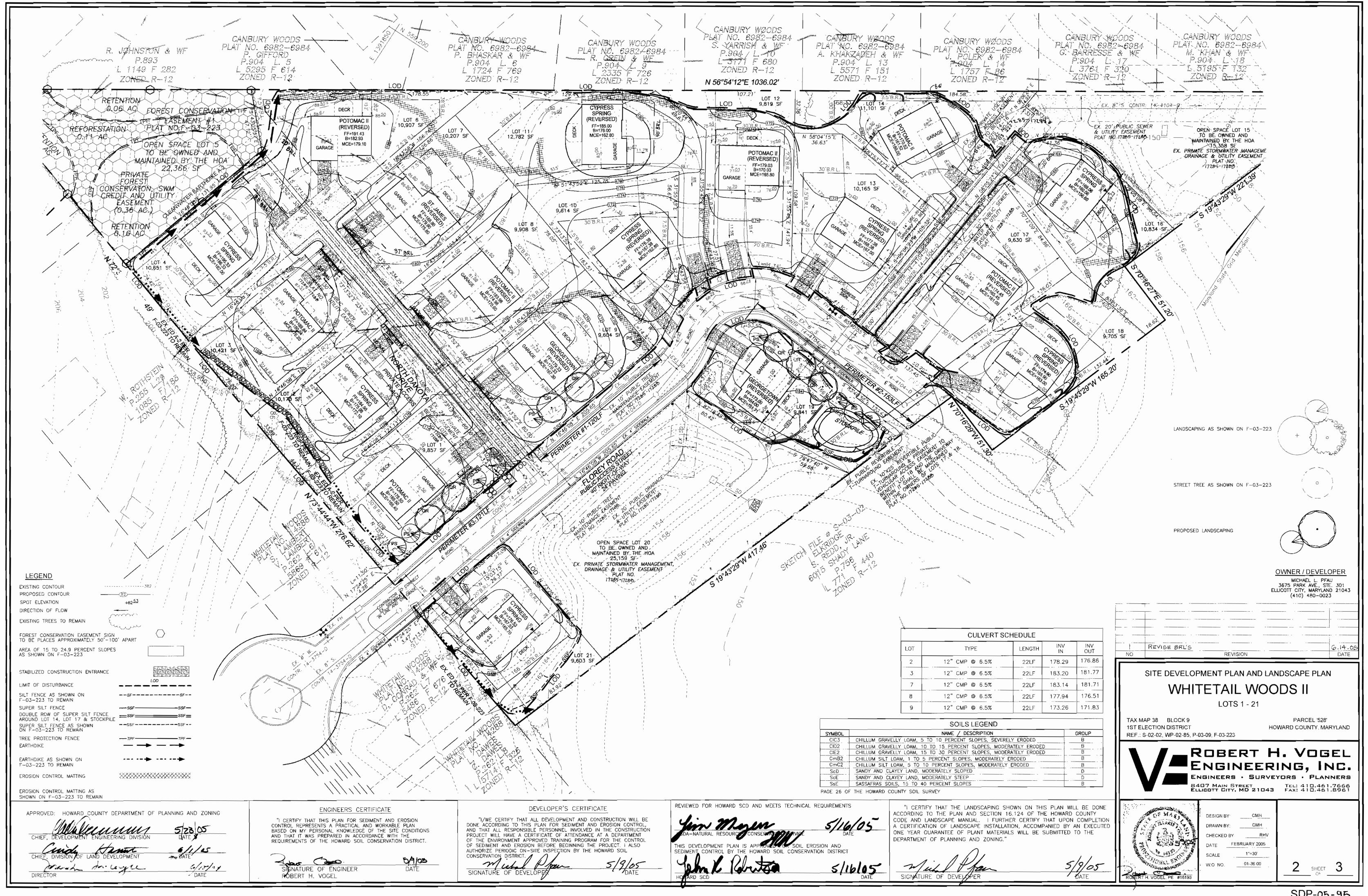
C'STATE ACCES OWNER / DEVELOPER 3675 PARK AVE., STE. 301 ELLICOTT CITY, MARYLAND 21043 (410) 480-0023

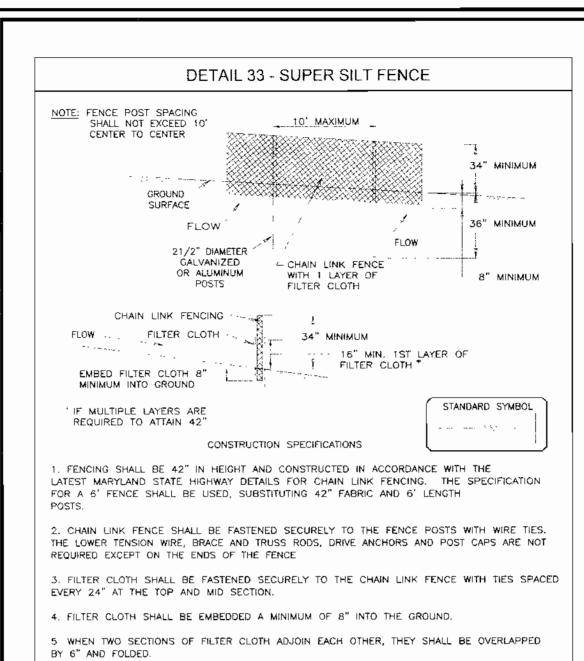


DESIGN BY. DRAWN BY: CHECKED BY: FEBRUARY 2005 WO NO:

SHEET

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING





6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES"

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

50 LBS/IN (MIN.)

20 LBS/IN (MIN.)

0.3 GAL/FT\* /MINUTE (MAX.)

DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT

GEOTEXTILE CLASS F

TENSILE STRENGTH

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

FILTERING EFFICIENCY 75% (MIN.)

### DETAIL 1 - EARTH DIKE .. 5 .4 2:1 SLOPE OR FLATTER 2:1 SLOPE OR FLATTER EXCAVATE TO PROVIDE REQUIRED FLOW WIDTH GRADE LINE AT DESIGN FLOW DEPTH CROSS SECTION DIKE A DIKE 8 a-DIKE HEIGHT SUFFICIENT TO DRAIN b-DIKE WIDTH d~FLOW DEPTH CUT OR FILL SLOPE STANDARD SYMBOL A-2 8-3 FLOW CHANNEL STABILIZATION GRADE 0.5% MIN. 10% MAX. 1. SEED AND COVER WITH STRAW MULCH.

## 2. SEED AND COVER WITH EROSION CONTROL MATTING OR LINE WITH SOD. 3 4" - 7" STONE OR RECYCLED CONCRETE EQUIVALENT PRESSED INTO

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

CONSTRUCTION SPECIFICATIONS

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 EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW. 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. U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

## PAVEMENT ----- EARTH FILL \*\* GEOTEXTILE CLASS --- PIPE AS NECESSARY 'C' OR BETTER MINIMUM 6" OF 2"-AGGREGATE OVER LENGTH AND WIDTH OF STRUCTURE PROFILE 50' MINIMUM -LENGTH EXISTING 10' MINIMUM PAVEMENT WIDTH 10' MIN. STANDARD SYMBOL PLAN VIEW 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 3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. \*\* THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

50' MINIMUM -- -----

BERM (6" MIN.)

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

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 IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL 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 EAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CON-

MARYLAND DEPARTMENT OF ENVIRONMENT

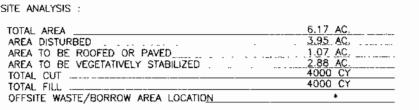
## U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

## SEDIMENT CONTROL NOTES

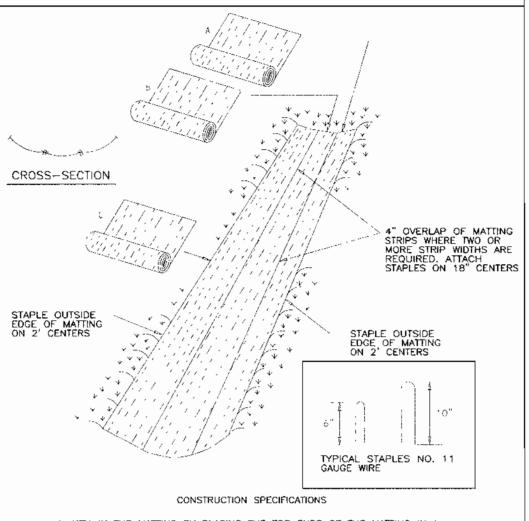
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF
- ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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

- I. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMÉTER 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
- 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.



- B. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT 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
- \* TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT



**DETAIL 30 - EROSION CONTROL MATTING** 

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

12'x14`i

L DECK I

3 67'x14 05'

5 67'x13'--

PORCH

PORCh 460'

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12'x14'

DECK

44 0'

P\_AN

\_ \_ \_ \_

GARAGE

∠ → FIREPLACE

CYPRESS SPRINGS

SCALE: 1"=30'

**GEORGETOWN** 

SCALE: 1"=30"

- FIREPLACE

ELLVATION

ELEVATION

KEY QUAN. BOTANICAL NAME REM. 2 1/2"-3" Cal. | B & E PINUS STROBUS 7' - 9' Ht. | B & B EASTERN WHITE PINE

LANDSCAPE SCHEDULE

SEQUENCE OF CONSTRUCTION

IN ACCORDANCE WITH DETAILS. (5 DAYS)

SHOWN ON THIS PLAN. (6 MONTHS)

SEDIMENT CONTROL DEVICES. (2 DAYS)

REMAIN PER SDP. REPAIR AS NEEDED. (1 DAY)

2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS

3. INSTALL SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN AND

4. INSPECT SEDIMENT CONTROL MEASURES FROM F-03-223 TO

5. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL

INSPECTOR TO PROCEED, ROUGH GRADE SITE. (2 WEEKS)

6. CONSTRUCT HOUSES. THE FIRST FLOOR ELEVATIONS CANNOT BE

MORE THAN 1' HIGHER OR 0.2' LOWER THAN THE ELEVATIONS

7. INSTALL PERIMETER LANDSCAPING FOR LOTS 9 AND 19. (1 DAY)

APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL

A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL

B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS. STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES

SLOPES AND ALL SLOPES GREATER THAN 3:1.

8. UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE

PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE

(410.313.1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK.

OBTAIN GRADING PERMIT.

ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH LCAMW PLANTING SPECIFICATIONS. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES. CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. IF PLAN DIFFERS FROM

LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN. THE MAINTENANCE OF THE TRASHPADS AND THE TRASH PAD LANDSCAPE PLANTINGS ARE THE RESPONSIBLITY OF THE HOA.

REQUIRED LANDSCAPE SURETY FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PROVIDED PER THE LANDSCAPE MANUAL TO BE POSTED WITH THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$1,050.00 FOR THE REQUIRED 2 SHADE TREES AND 3

EVERGREEN TREES FOR PERIMENTER #1-LOT 9. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PROVIDED PER THE LANDSCAPE MANUAL TO BE POSTED WITH THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$1,500.00 FOR THE REQUIRED 3 SHADE TREES AND 4 EVERGREEN TREES FOR PERIMENTER #2-LOT 19.

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PROVIDED PER THE LANDSCAPE MANUAL TO BE POSTED WITH THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$1,050.00 FOR THE REQUIRED 2 SHADE TREES AND 3 EVERGREEN TREES FOR PERIMENTER #1-LOT 1.

TOTAL LANDSCAPE SURETY REQUIRED: \$ 3,600.00

OWNER / DEVELOPER MICHAEL L. PFAU 3675 PARK AVE., STE. 30 ELLICOTT CITY, MARYLAND 21043 (410) 480-0023

SEDIMENT AND EROSION CONTROL DETAILS. HOUSE TYPE DETAILS AND LANDSCAPE DETAILS WHITETAIL WOODS II

REVISION

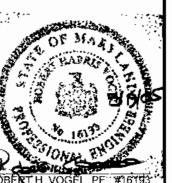
LOTS 1 - 21

TAX MAP 38 BLOCK 9 1ST ELECTION DISTRICT REF S-02-02, WP-02-85, P-03-09, F-03-223

PARCEL '528' HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.

ENGINEERS . SURVEYORS . PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



FEBRUARY 2005 AS SHOWN 01-36 00

SHEE?

DATE

## 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

TEST: MSMT 509

TEST: MSMT 509

TEST: MSMT 322

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

TEST: MSMT 322

## 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 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:

THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS 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 CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS. 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

!!t. 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: 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

8.0, 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. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN O PARTS PER MILLION SHALL NOT BE USED.

IO SOD OR SEED SHALL BE PLACED ON SOIL SOIL WHICH

HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS

SOIL CONSERVATION SERVICE

USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS LAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY HE 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

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.

I. 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.

DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL

STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES SLOPES AND ALL SLOPES GREATER THAN 3:1.

B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS.

### 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

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE

30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.)

THE FOLLOWING SCHEDULES:

THREE INCHES OF SOIL

REPLACEMENTS AND RESEEDINGS.

FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING,

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS,

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

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

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER

100 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./

DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

## SCHEDULE A: PERIMETER LANDSCAPE EDGE ADJACENT TO

	ROADWAYS		
PERIMETER/FRONTAGE DESIGNATION LANDSCAPE TYPE	1-LOT 9 B	2-LOT 19 B	3-LOT 1 B
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	120	153	121
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET DESCRIBE BELOW IF NEEDED)	NO	NO	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET DESCRIBE BELOW IF NEEDED)	МО	NO	NO
RUMBER OF PLANTS REQUIRED(LF REMAINING) SHADE TREES EVERGREEN TREES SHRUBS	1:50 2 1:40 3 -	1:50 3 1:40 4	1:50 2 1:40 3
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	2 3 - -	3 4 - -	2 3 - -

A MINIMUM OF 20' IS REQUIRED BETWEEN ANY STREET LIGHT AND ANY TREE

## SEE "LANDSCAPE GUIDELINES" FOR SUPPORTING TREES LARGER THAN 2-1/2" CALIPER. PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS. KEEP MULCH 1" FROM TRUNK SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.

NOT TO SCALE

## PRUNE APPROXIMATELY 30% OF CROWN- SEE LANDSCAPE GUIDELINES'. DO NOT PRUNE EVERGREEN TREES. STRANDS OF GALVANIZED WIRE TWISTED FOR SUPPORT UPRIGHT STAKES- SET IN GROUND TO FIRM BEARING CUT BURLAP & ROPE FROM 3" DEPTH MULCH -2" EARTH SAUCER ZYAN YARAN DAVAYI PAKY 1/8 DEPTH OF BALL -PLANTING MIX- SEE PLANTING LOOSENED SUBSOIL

LEADER MUST REMAIN INTACT SEE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE— WASHINGTON METROPOLITAN AREAS" FOR ALL MATERIAL SPECIFICATIONS.

1/3 OF BALL 2"X4"X3" WOOD STAKES BACKFILL MATERIAL COMPACTED BACKFILL MATERIAL 6" MIN.

PRUNE AS DIRECTED

RUBBER HOSE

TURNBUCKLES

- WIRE GUYS

NOT TO SCALE

## 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 CONSTRUCTIOI 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. ! ALSO AUTHORIZE PERIODIC ON-STE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

# im Waren USDA-NATURAL RESOURCES CONSERVATION SERVICE [ THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND

"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.

5/9/01 C -SIGNATURE OF ENGINEER DATE ROBERT H. VOGEL

TREE PLANTING AND STAKING DECIDUOUS TREES UP TO 2-1/2" CALIPER

# REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

## ENGINEERS CERTIFICATE

### 1000 SQ.FT.) BEFORE SEEDING, HARROW OR DISC INTO UPPER THREE INCHES OF SOIL, AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 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 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 5'x8.67'--PORCH **ELEVATION** 46 0' OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE PLAN N THE SPRING, OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE POTOMAC I KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED SCALE. 1"-30' MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SO. 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.

5'x8' -/

PORCH

12'x14'

DECK

12'x14' FIREPLACE GARAGE

- FIREPLACE

**ELEVATION** 

52.0 PLAN ST. JAMES

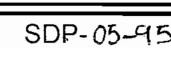
SCALE: 1"=30"

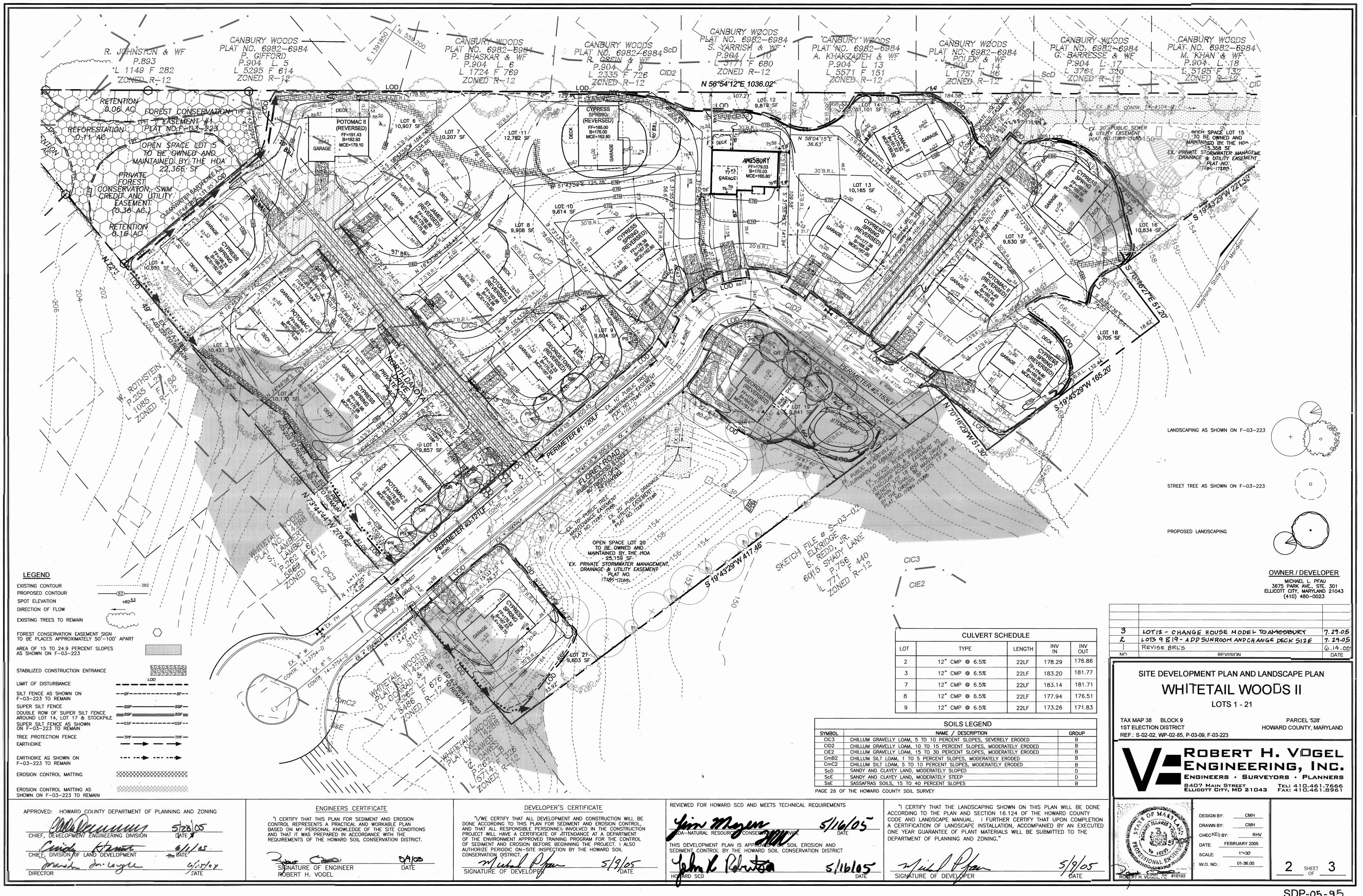
NOTE : ALL MATERIALS 2 MULCH PLANT SAUCER

REMOVE BURLAP FROM TOP

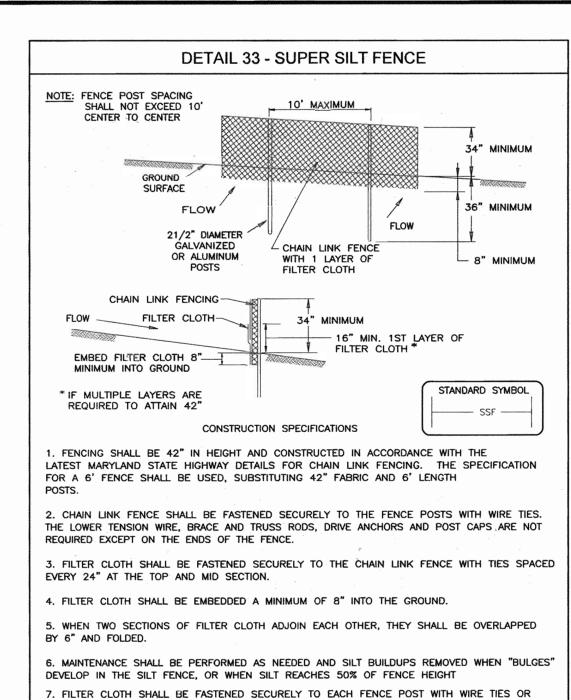
AS SPECIFIED

DESIGN BY DRAWN BY.





a Residence The

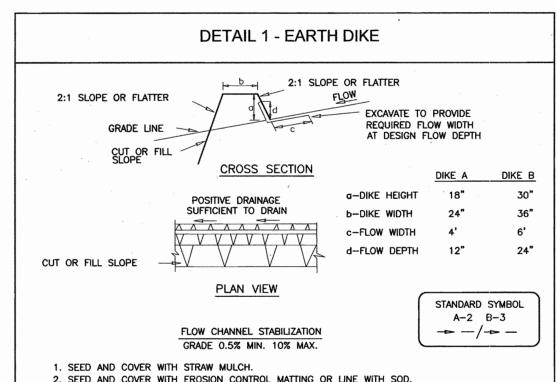


50 LBS/IN (MIN.)

20 LBS/IN (MIN.)

75% (MIN.)

0.3 GAL/FT /MINUTE (MAX.) TEST: MSMT 322



2. SEED AND COVER WITH EROSION CONTROL MATTING OR LINE WITH SOD. 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

REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS

SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER 5. THE DIKE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS

OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW. 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.	151 BE PROVIDED PE	RIODICALLY AND AFTER
U.S. DEPARTMENT OF AGRICULTURE	PAGE	MARYLAND DEPARTMENT
SOIL CONSERVATION SERVICE	A - 1 - 6	WATER MANAGEMENT

## PERMANENT SEEDING NOTES

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

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE GROWTH.

GEOTEXTILE CLASS F

TENSILE MODULUS

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

FILTERING EFFICIENCY

ESTABLISHMENT OF PERMANENT VEGETATION.

FLOW RATE

EXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS 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 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.

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

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.

II. TOPSOIL SPECIFICATIONS -- SOIL TO BE USED AS TOPSOIL

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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:

, 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

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 ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.

THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL. II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMMENDMENTS

V. TOPSOIL APPLICATION

TEST: MSMT 509

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE SEDIMENT TRAPS AND BASINS.

- 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

# 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

A. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN

C. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY

SPECIFIED IN 20.0 VEGETATIVE STABILIZATION-SECTION I-VEGETATIVE STABILIZATION METHODS AND MATERIALS.

STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND

GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4"

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

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES: 1) PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/100 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./

1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 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) LISE SOO OPTION (3) SEED WITH 60 LBS/ACRE 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 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

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

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

## **DETAIL 30 - EROSION CONTROL MATTING** BERM (6" MIN.) PAVEMEN' - EARTH FILL - PIPE AS NECESSARY - MINIMUM 6" OF 2"- 3 AGGREGATE OVER LENGTH AND WIDTH OF STRUCTURE CROSS-SECTION 50' MINIMUM -LENGTH . 4" OVERLAP OF MATTING STRIPS WHERE TWO OR MORE STRIP WIDTHS ARE REQUIRED. ATTACH STAPLES ON 18" CENTERS 10' MINIMUM WIDTH PLAN VIEW 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 TYPICAL STAPLES NO. 11 GAUGE WIRE 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. CONSTRUCTION SPECIFICATIONS 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

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION

PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED

ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE

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

TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.

NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF

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-

MARYLAND DEPARTMENT OF ENVIRONMENT

12'x14'

DECK I

46.0'

**PLAN** 

12'x14'

DECK

<u>PLAN</u>

5'x8'

PORCH

فضسم

**GARAGE** 

5'x8.67'~

PORCH

FIREPLACE

WATER MANAGEMENT ADMINISTRATION

- FIREPLACE

POTOMAC II

SCALE: 1"=30'

ST. JAMES

1. SEE "LANDSCAPE SPECIFICATION

SCALE: 1"=30'

**ELEVATION** 

**ELEVATION** 

\*\* GEOTEXTILE CLASS -

'C' OR BETTER

STANDARD SYMBOL

SOIL CONSERVATION SERVICE

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".

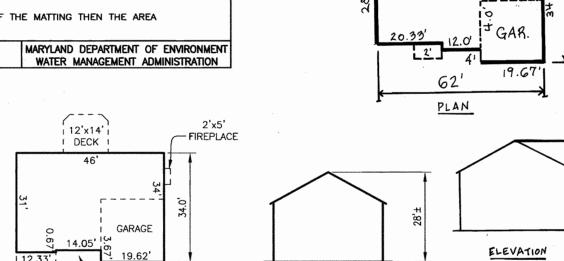
2. STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING 3. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE

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.

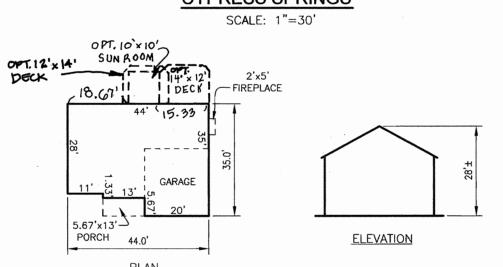
NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE



**ELEVATION** 

<sup>۷</sup>.3.67'x14.05 PORCH 46.0' **PLAN** CYPRESS SPRINGS



<u>PLAN</u> **GEORGETOWN** SCALE: 1"=30'

LEADER MUST REMAIN INTACT PRUNE AS DIRECTED RUBBER HOSE WIRE GUYS TURNBUCKLES NOTE : ALL MATERIALS AS SPECIFIED 2 MULCH PLANT SAUCER REMOVE BURLAP FROM TOP 1/3 OF BALL 2"X4"X3" WOOD STAKES BACKFILL MATERIAL COMPACTED BACKFILL MATERIAL 6" MIN.

## SEDIMENT CONTROL NOTES

A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF

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.

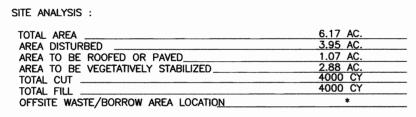
FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER

ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY

THAN 3:1, (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE

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 MUI CHING (SEC. G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND

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.



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.

WITH AN APPROVED AND ACTIVE GRADING PERMIT

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

\* TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR

LANDSCAPE SCHEDULE KEY QUAN. BOTANICAL NAME SIZE 2 1/2"-3" Cal. B & B 7' — 9' Ht. EASTERN WHITE PINE

SEQUENCE OF CONSTRUCTION

IN ACCORDANCE WITH DETAILS. (5 DAYS)

SHOWN ON THIS PLAN. (6 MONTHS)

SEDIMENT CONTROL DEVICES. (2 DAYS)

2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS

3. INSTALL SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN AND

4. INSPECT SEDIMENT CONTROL MEASURES FROM F-03-223 TO

5. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL

INSPECTOR TO PROCEED, ROUGH GRADE SITE. (2 WEEKS)

6. CONSTRUCT HOUSES. THE FIRST FLOOR ELEVATIONS CANNOT BE

MORE THAN 1' HIGHER OR 0.2' LOWER THAN THE ELEVATIONS

7. INSTALL PERIMETER LANDSCAPING FOR LOTS 9 AND 19. (1 DAY)

APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL

A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL

B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS. STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES

SLOPES AND ALL SLOPES GREATER THAN 3:1.

8. UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE

PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE

REMAIN PER SDP. REPAIR AS NEEDED. (1 DAY)

(410.313.18β0) AT LEAST 24 HOURS BEFORE STARTING ANY WORK.

OBTAIN GRADING PERMIT

ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH LCAMW PLANTING SPECIFICATIONS.

CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. . FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES. CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. IF PLAN DIFFERS FROM LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.

THE MAINTENANCE OF THE TRASHPADS AND THE TRASH PAD LANDSCAPE PLANTINGS ARE THE REQUIRED LANDSCAPE SURETY

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PROVIDED PER THE LANDSCAPE MANUAL TO BE POSTED WITH THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$1,050.00 FOR THE REQUIRED 2 SHADE TREES AND 3 EVERGREEN TREES FOR PERIMENTER #1-LOT 9.

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PROVIDED PER THE LANDSCAPE MANUAL TO BE POSTED WITH THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$1,500.00 FOR THE REQUIRED 3 SHADE TREES AND 4 EVERGREEN TREES FOR PERIMENTER #2-LOT 19.

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PROVIDED PER THE LANDSCAPE MANUAL TO BE POSTED WITH THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$1,050.00 FOR THE REQUIRED 2 SHADE TREES AND 3 EVERGREEN TREES FOR PERIMENTER #1-LOT 1.

TOTAL LANDSCAPE SURETY REQUIRED: \$ 3,600.00

OWNER / DEVELOPER MICHAEL L. PFAU 3675 PARK AVE., STE. 301 ELLICOTT CITY, MARYLAND 21043

(410) 480-0023

ADD AMESBURY MODEL 7.29.05 ADD SUNROOM AND CHANGE DECK SIZE GEORGETOWN MODEL 7.29.05 REVISION DATE

SEDIMENT AND EROSION CONTROL DETAILS. HOUSE TYPE DETAILS AND LANDSCAPE DETAILS WHITETAIL WOODS I

## LOTS 1 - 21

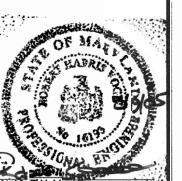
TAX MAP 38 BLOCK 9 1ST ELECTION DISTRICT

REF.: S-02-02, WP-02-85, P-03-09, F-03-223

HOWARD COUNTY, MARYLAND

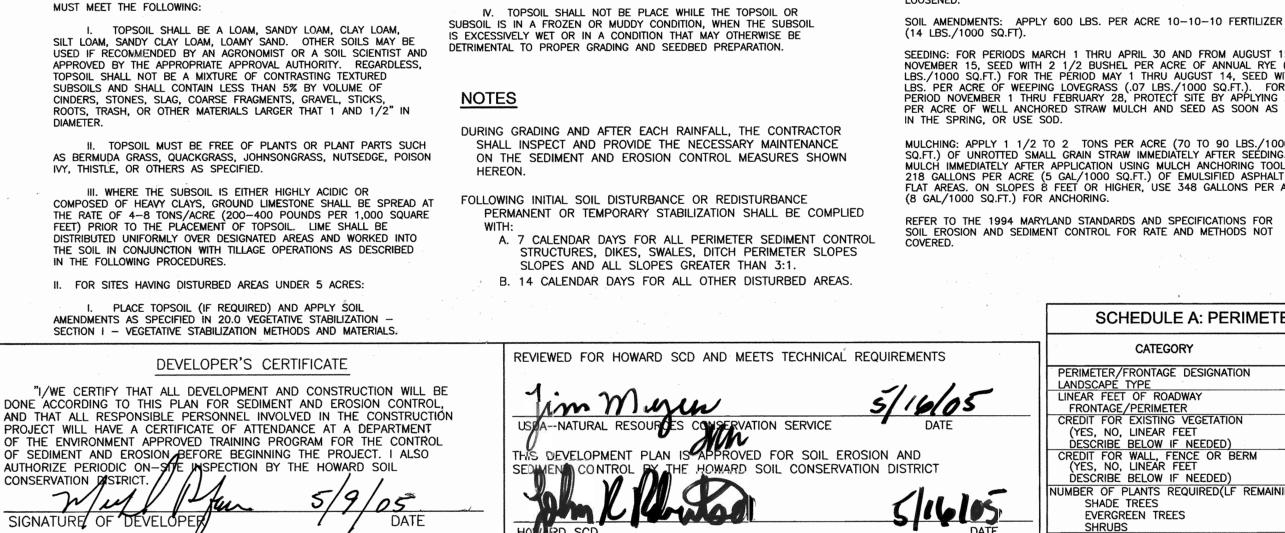
PARCEL '528'

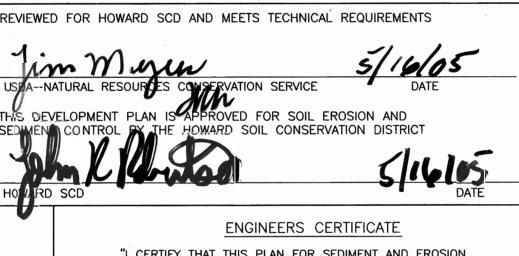




DESIGN BY: DRAWN BY: CHECKED BY: FEBRUARY 2005 AS SHOWN SCALE 01-36.00 W.O. NO.:

SHEET





C -

SIGNATURE OF ENGINEER

ROBERT H. VOGEL

4 cbs

"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.

5/9/05

DATE

A MINIMUM OF 20' IS REQUIRED BETWEEN ANY STREET LIGHT AND ANY TREE

SCHEDULE A: PERIMETER LANDSCAPE EDGE ADJACENT TO ROADWAYS PERIMETER/FRONTAGE DESIGNATION LANDSCAPÉ TYPE LINEAR FEET OF ROADWAY 120 153 121 FRONTAGE/PERIMETER
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET DESCRIBE BELOW IF NEEDED)
CREDIT FOR WALL, FENCE OR BERM
(YES, NO, LINEAR FEET DESCRIBE BELOW IF NEEDED) UMBER OF PLANTS REQUIRED(LF REMAINING) 1:50 3 1:40 4 1:50 2 1:40 3 SHADE TREES EVERGREEN TREES NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)

GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" FOR ALL MATERIAL, PRUNE APPROXIMATELY 30% OF CROWN— SEE 'LANDSCAPE GUIDELINES'. DO NOT PRUNE EVERGREEN TREES. PRODUCT, AND PROCEDURE SPECIFICATIONS SEE "LANDSCAPE GUIDELINES" FOR SUPPORTING TREES LARGER THAN 2-1/2" CALIPER. PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS. KEEP MULCH 1" FROM TRUNK -UPRIGHT STAKES- SET I SEE ARCHITECTURAL PLANS GROUND TO FIRM BEARING FOR ADDITIONAL PLANTINGS RUBBER HOSE WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS. CUT BURLAP & ROPE FROM TOP OF BALL TREES ARE NOT TO BE PLANTED OVER PRIVATE -3" DEPTH MULCH SEWAGE EASEMENT. ~2" EARTH SAUCER FINISH GRADE -1/8 DEPTH OF BALL -LOOSENED SUBSOIL

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

1'-0" ALL SIDES TYPICAL EVERGREEN TREE PLANTING DETAIL NOT TO SCALE

SDP-05-95

