

GENERAL NOTES

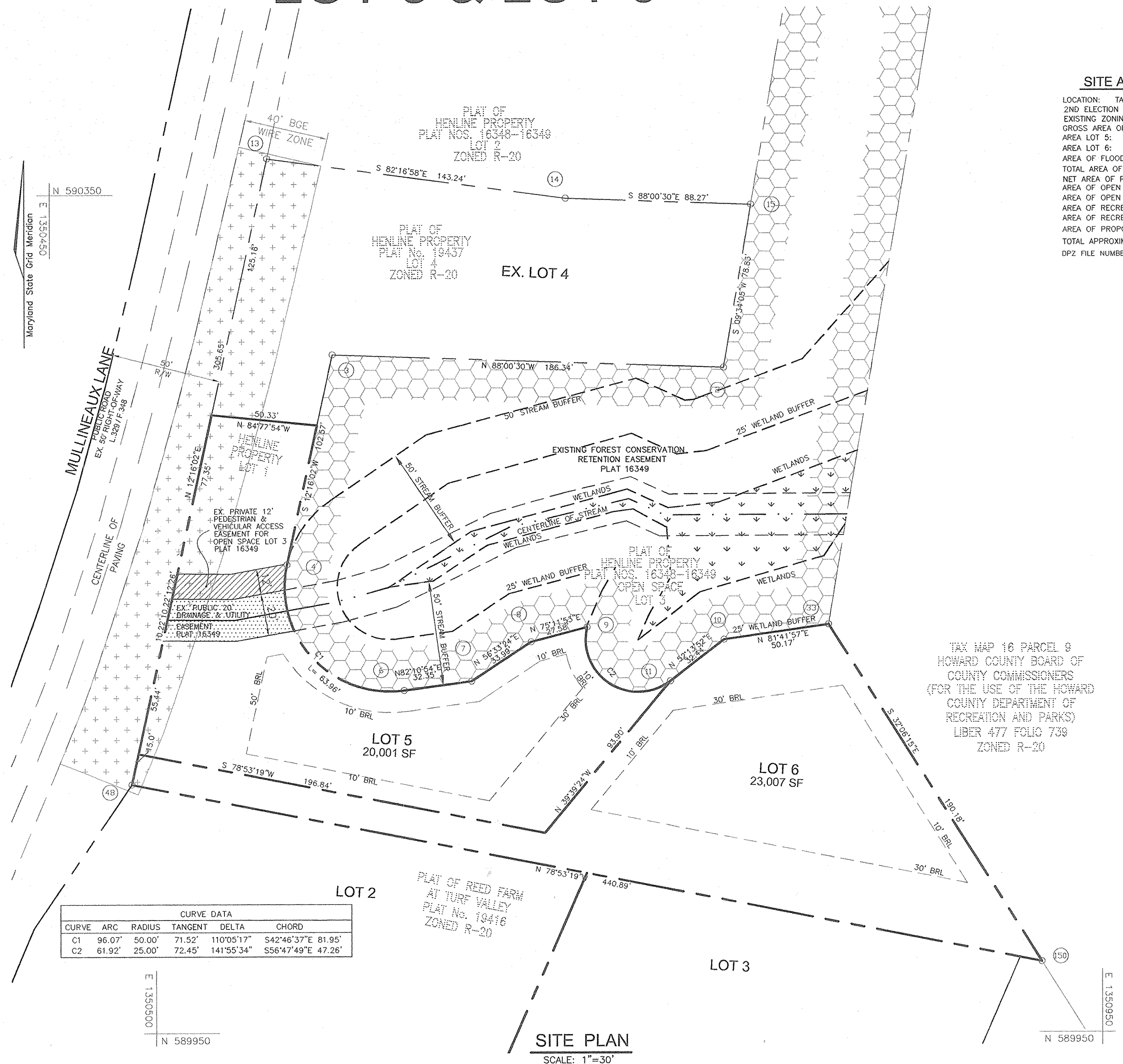
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
 MISS UTILITY 1-800-257-7777
 BELL ATLANTIC TELEPHONE CO. 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES 313-2366
 VERIZON CABLE LOCATION DIVISION 393-3553
 B.G.&E. CO. CONTRACTOR SERVICES 850-4620
 B.G.&E. CO. UNDERGROUND DAMAGE CONTROL 787-4620
 STATE HIGHWAY ADMINISTRATION 531-5533
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
- ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S 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.
- 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.
- 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.
- 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 (16 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 RADIUS
 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
- THE SUBJECT PROPERTY IS ZONED R-20 PER THE FEBRUARY 2, 2004 COMPREHENSIVE ZONING PLAN AND THE COMP LITE ZONING REGULATIONS, EFFECTIVE 7/26/06.
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE OCTOBER 7, 2007.
- THE PROJECT BOUNDARY IS BASED ON A BOUNDARY SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC. DATED MARCH 2005.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHICAL SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC. DATED MARCH 2005.
- ACCESS TO PUBLIC WATER AND SEWER SERVICES HAVE BEEN PROVIDED UNDER CONTRACT NO. 24-3304.
- THE FOREST CONSERVATION OBLIGATION FOR THIS SUBDIVISION HAS BEEN SATISFIED UNDER FINAL PLAN F-03-011 BY ON-SITE RETENTION IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE.
- NO STREAMS OR WETLANDS EXIST ON SITE PER ENVIRONMENTAL REPORT PREPARED BY ECO-SCIENCE PROFESSIONAL, INC. DATED 03/29, 2001.
- NO 100 YEAR FLOODPLAINS EXIST ON SITE.
- NO STEEP SLOPES EXIST ON SITE.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.06 (OPEN SECTION).
- THE FOREST CONSERVATION OBLIGATION FOR THIS SUBDIVISION HAS BEEN SATISFIED UNDER FINAL PLAN F-03-011 BY ON-SITE RETENTION IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE.
- PERMETER LANDSCAPING SHALL BE IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. SURETY IN THE AMOUNT OF \$3,000 FOR THE 5 SHADE TREES AND 50 SHRUBS SHALL BE POSTED WITH THE GRADING PERMIT.
- THIS PROJECT IS EXEMPT FROM CPV STORMWATER MANAGEMENT SINCE 1 YEAR RUNOFF FROM LOT 5 AND LOT 6 IS LESS THAN 2.0 CFS. Rev and Way are PROVIDED BY LEVEL SPREADERS DESIGN COMPUTATIONS PER F-05-191 AND DETAIL PROVIDED UNDER THIS SITE DEVELOPMENT PLAN.
- A FEE-IN-LIEU FOR OPEN SPACE IN THE AMOUNT OF \$4,500 HAS BEEN PAID WITH PLAT RECORDATION.
- THIS SUBDIVISION IS SUBJECT TO APPROVED WAIVER WP-05-026 TO WAIVE SECTIONS 16.120 (b)(4)(i) AND 16.120 (c)(2)(i), APPROVED FEBRUARY 28, 2005, TO ALLOW IRREGULAR SHAPED LOTS FOR LOTS 5 AND 6 AND TO ALLOW THE REDUCTION OF THE PUBLIC ROAD FRONTAGE REQUIREMENT FOR SINGLE PIPESTEM LOTS TO 15 FT. FOR LOT 6. SUBJECT TO THE SUBMISSION OF A FINAL PLAN AND PROVIDING LANDSCAPE SCREENING ALONG THE SOUTH SIDE OF LOT 6, ORIENTING THE HOME ON LOT 5 TOWARD THE WEST AND ORIENTING THE HOME ON LOT 6 TO THE SOUTH, AND THE DRIVEWAY FOR LOT 6 FOR A SINGLE USER MUST MEET DESIGN MANUAL STANDARDS, MUST BE WITHIN THE PIPESTEM FOR LOT 6 AND SHALL NOT IMPACT OR EXTEND ONTO LOT 5.

DEVELOPER'S BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

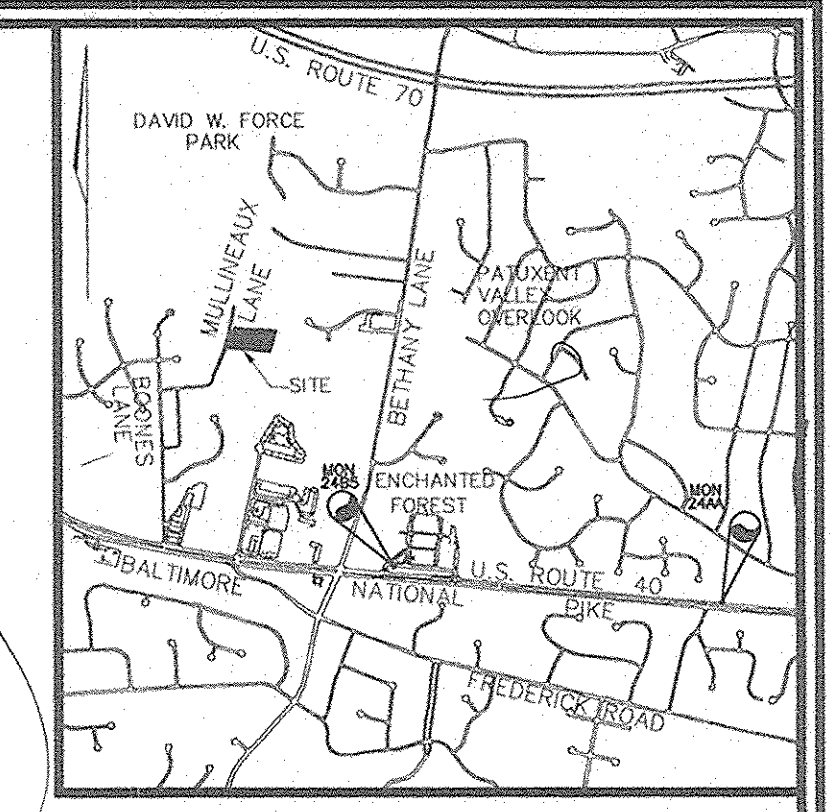
Michael P. Pfauf 01/24/08
 SIGNATURE OF DEVELOPER DATE

SITE DEVELOPMENT PLAN HENLINE PROPERTY LOT 5 & LOT 6



COORDINATE LIST

POINT	NORTH	EAST
2	590267.31795	1350770.61638
3	590273.79404	1350584.38895
4	590173.56599	1350562.59576
6	590113.40760	1350618.25702
7	590117.80816	1350650.30721
8	590136.54045	1350678.66953
9	590143.58655	1350705.33428
10	590137.57236	1350770.52629
11	590117.70358	1350744.88287
13	590367.35532	1350553.56043
14	590348.12047	1350695.50309
15	590345.05273	1350783.71977
35	590144.81543	1350820.17609
48	590068.68414	1350488.61855
150	589983.71713	1350921.24379



SITE ANALYSIS DATA CHART

LOCATION: TAX MAP 17, GRID 20, PARCEL 329
 2ND ELECTION DISTRICT
 EXISTING ZONING: R-20 PER 02/02/04 COMPREHENSIVE ZONING PLAN
 GROSS AREA OF PROJECT: 43,008 SF (0.99 AC.)
 AREA LOT 5: 20,011 SF (0.46 AC.)
 AREA LOT 6: 23,007 SF (0.53 AC.)
 AREA OF FLOODPLAIN: N/A
 TOTAL AREA OF STEEP SLOPES: 0.00 AC.
 NET AREA OF PROJECT: 43,008 SF (0.99 AC.)
 AREA OF OPEN SPACE PROVIDED: N/A
 AREA OF OPEN SPACE REQUIRED: N/A
 AREA OF RECREATIONAL OPEN SPACE PROVIDED: N/A
 AREA OF RECREATIONAL OPEN SPACE REQUIRED: N/A
 AREA OF PROPOSED RIGHT-OF-WAY: N/A
 TOTAL APPROXIMATE LIMIT OF DISTURBANCE: 32,402 SF (0.74 AC.)
 DPZ FILE NUMBERS-F-03-011, WP-05-026, WP-03-127, F-05-191.

VICINITY MAP

COORDINATE BASE ON NAD '83 (PLAT MERIDIAN)
 MARYLAND SYSTEM COORDINATE AS PROJECTED
 BY HOWARD COUNTY GEODETIC CONTROL
 STATIONS No. 24AA AND No. 24B5

STATION No. 24AA N 179033.9652 (METERS)
 E 412274.4193 (METERS)
 STATION No. 24B5 N 178904.6102 (METERS)
 E 413483.6121 (METERS)

MINIMUM LOT SIZE CHART

LOT NO.	GROSS AREA SQ. FT.	PIPESTEM AREA SQ. FT.	MINIMUM LOT SIZE SQ. FT.
6	23007	2955	20052

ADDRESS CHART

LOT #	STREET ADDRESS
LOT 5	3041 MULLINEAUX LANE
LOT 6	3047 MULLINEAUX LANE

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT NUMBER
HENLINE PROPERTY	N/A	LOT 4, 5, 6
PLAT REF. BLOCK NO.	ZONE	TAX MAP
19437 19	R-20	329
WATER CODE: H08	SEWER CODE: 5991000	ELECT. DIST. CENSUS TR.
		329 2ND 6022.00

SHEET INDEX

DESCRIPTION	SHEET NO.
SITE LAYOUT, GRADING, & LANDSCAPE PLAN	1 OF 3
SITE LAYOUT, GRADING, SEDIMENT CONTROL, AND LANDSCAPE PLAN	2 OF 3
SEDIMENT, EROSION CONTROL, AND LANDSCAPE NOTES AND DETAILS	3 OF 3

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B
MB2	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
MIC3	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	B

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John Dammann 2/6/08
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

John Dammann 2/12/08
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Michael L. Pfauf 2/12/08
 DIRECTOR DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

HOWARD SCD DATE

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."

Robert H. Vogel 1/24/08
 SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Michael P. Pfauf 1/24/08
 SIGNATURE OF DEVELOPER DATE

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE: 09-27-2008."

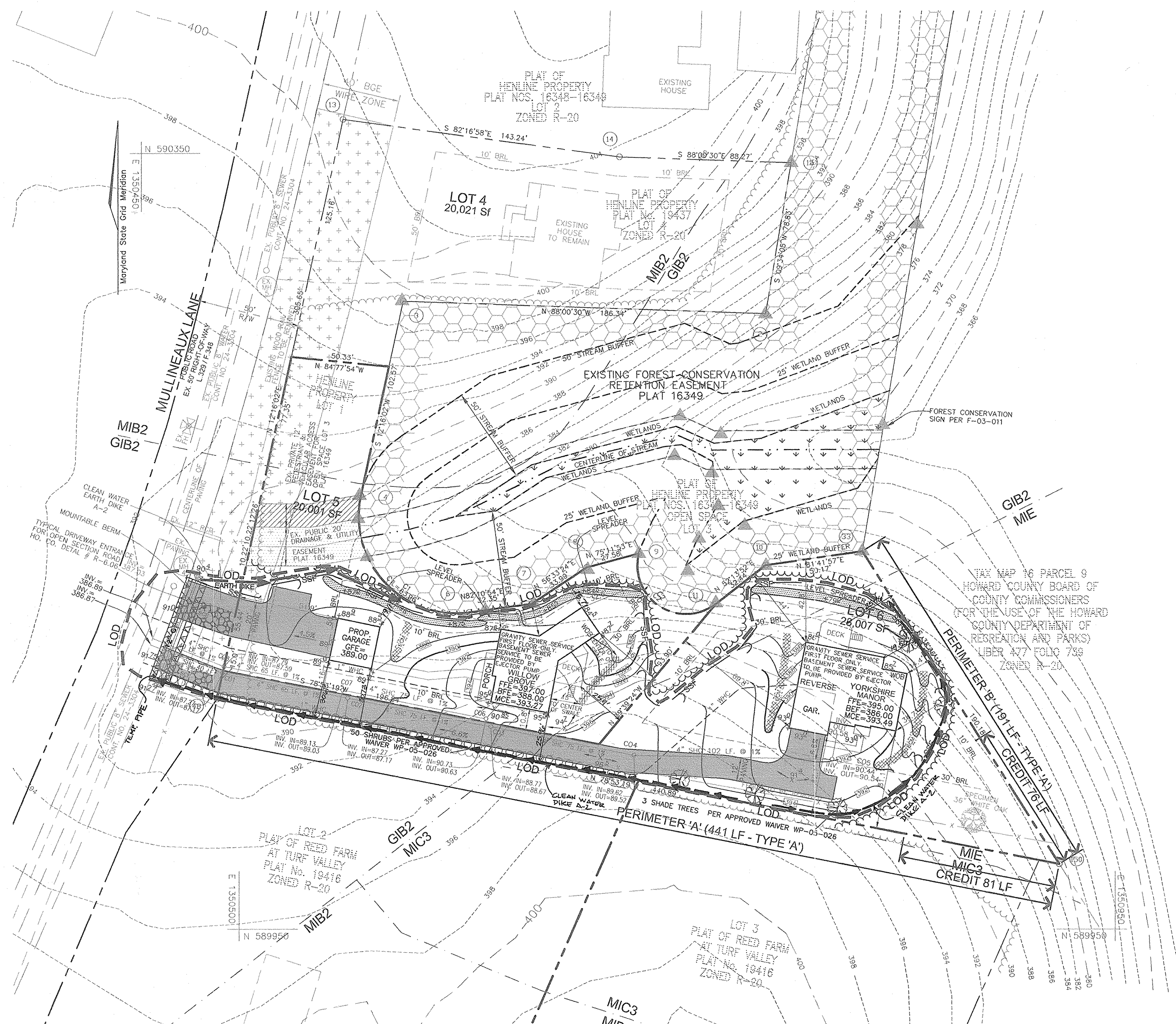
OWNER & DEVELOPER

Michael L. Pfauf
 3675 PARK AVENUE #301
 ELLICOTT CITY, MARYLAND
 21043-1460

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

DESIGN BY: RHV/RJ
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: JANUARY 2008
 SCALE: AS SHOWN
 W.O. NO.: 04-129

1 SHEET OF 3



- LEGEND**
- 585 --- EXISTING CONTOUR
 - - - 582 - - - PROPOSED CONTOUR
 - SSF-SSF- SILT FENCE
 - LOD- LOD LIMIT OF DISTURBANCE
 - [SCE] STABILIZED CONSTRUCTION ENTRANCE
 - [X] EROSION CONTROL MATTING
 - [] NON-TIDAL WETLANDS PER PLAT
 - Co MIC3 SOILS
 - [] FOREST CONSERVATION EASEMENT PER PLAT No. 16349
 - ▲ EX. FOREST CONSERVATION SIGN PER F-03-011
 - EXIST. TREELINE
 - PROP. TREELINE
 - [] LEVEL SPREADER
 - [] EXISTING PRIVATE 12" PEDESTRIAN AND VEHICULAR ACCESS EASEMENT PLAT No. 16349
 - [] EXISTING PUBLIC 20" DRAINAGE AND UTILITY EASEMENT PLAT No. 16349
 - [] 40' BGE WIRE ZONE

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B
MIB2	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
MIC3	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	B

PLAN
SCALE: 1"=30'

TAX MAP 16 PARCEL 9
HOWARD COUNTY BOARD OF COUNTY COMMISSIONERS
FOR THE USE OF THE HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS
LIBER 477 FOLIO 738
ZONED R-20

DEVELOPER'S BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Michael L. Prou 01/24/08
SIGNATURE OF DEVELOPER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 2/16/08
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 2/12/08
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 2/12/08
DIRECTOR DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA-NATURAL RESOURCES CONSERVATION SERVICE

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

[Signature] 11/31/08
HOWARD SCD DATE

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.

[Signature] 1/24/08
SIGNATURE OF ENGINEER DATE
ROBERT H. VOGEL

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 CONSERVATION DISTRICT.

[Signature]
SIGNATURE OF DEVELOPER

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE: 09-27-2008.

OWNER & DEVELOPER

MICHAEL L. PRAU
3675 PARK AVENUE, #301
ELLICOTT CITY, MARYLAND
21043-4600

NO.	REVISION	DATE

**SITE DEVELOPMENT PLAN
HENLINE PROPERTY**
LOTS 5 & 6
PLAT No. 19437
SINGLE FAMILY DETACHED
DPZ FILE No.'s F-03-11, WP-05-026, WP-03-127, F-05-191
TAX MAP 17 BLOCK 19 PARCEL 329
2ND ELECTION DISTRICT 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

STATE OF MARYLAND PROFESSIONAL ENGINEER NO. 16193

DESIGN BY: RHV/RJ
DRAWN BY: RHV
CHECKED BY: RHV
DATE: JANUARY 2008
SCALE: AS SHOWN
W.O. NO.: 04-129

2 SHEET OF 3

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

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

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

CONDITIONS WHERE PRACTICE APPLIES
 I. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
 A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETABLE GROWTH.
 B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND NUTRIENTS.
 C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
 D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.

II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

CONSTRUCTION AND MATERIAL SPECIFICATIONS
 I. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.

II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 I. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 AND 1/2" IN DIAMETER.

II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

III. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (600-1000 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 LIMING OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES:
 II. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 A. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
 B. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE PH TO 6.0 OR HIGHER.
 C. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
 D. NO 500 OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
 II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION-SECTION I-VEGETATIVE STABILIZATION METHODS AND MATERIALS.
 V. TOPSOIL APPLICATION
 I. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
 II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 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 PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT ANY OTHER OPERATIONS WOULD BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

DEVELOPER'S BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXISTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

M. J. P. [Signature] 01/24/08
 SIGNATURE OF DEVELOPER DATE

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROL AS SHOWN ON PLAN IN ACCORDANCE WITH DETAILS AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR A DOUBLE ROW OF "SUPER" SILT FENCE IS TO BE INSTALLED AT THE DOWNHILL SIDE OF THE PROJECT. (DAY 1)
3. CLEAR AND ROUGH GRADE SITE (1 WEEK)
4. CONSTRUCT HOUSE (4 MONTHS)
5. FINE GRADE AND STABILIZE THE SITE WITH TOPSOIL AND SEEDING (SEE NOTES THIS PLAN AT THE DIRECTION OF SEDIMENT CONTROL INSPECTOR A DOUBLE ROW OF "SUPER" SILT FENCE IS TO BE INSTALLED AT THE DOWNHILL SIDE OF THE PROJECT. (DAY 3)
6. AFTER THE SITE IS PERMANENTLY STABILIZED AND PERMISISON IS GRANTED FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

PERMANENT SEEDING NOTES

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

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

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
 1) PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./100 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT THE TIME OF SEEDING. APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.)
 2) ACCEPTABLE-APPLY 2 TONS PER ACRE DOLOMITIC 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 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 (0.5 LBS./1000 SQ.FT.) OF WEEDING 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 SOIL OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS 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, RESEEDINGS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

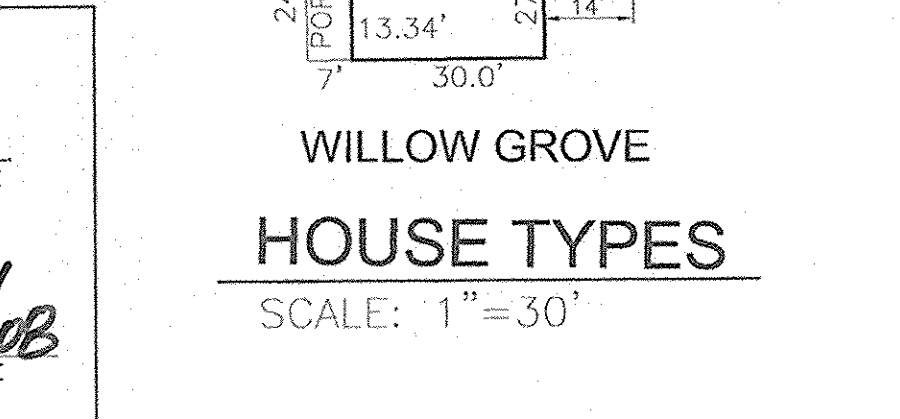
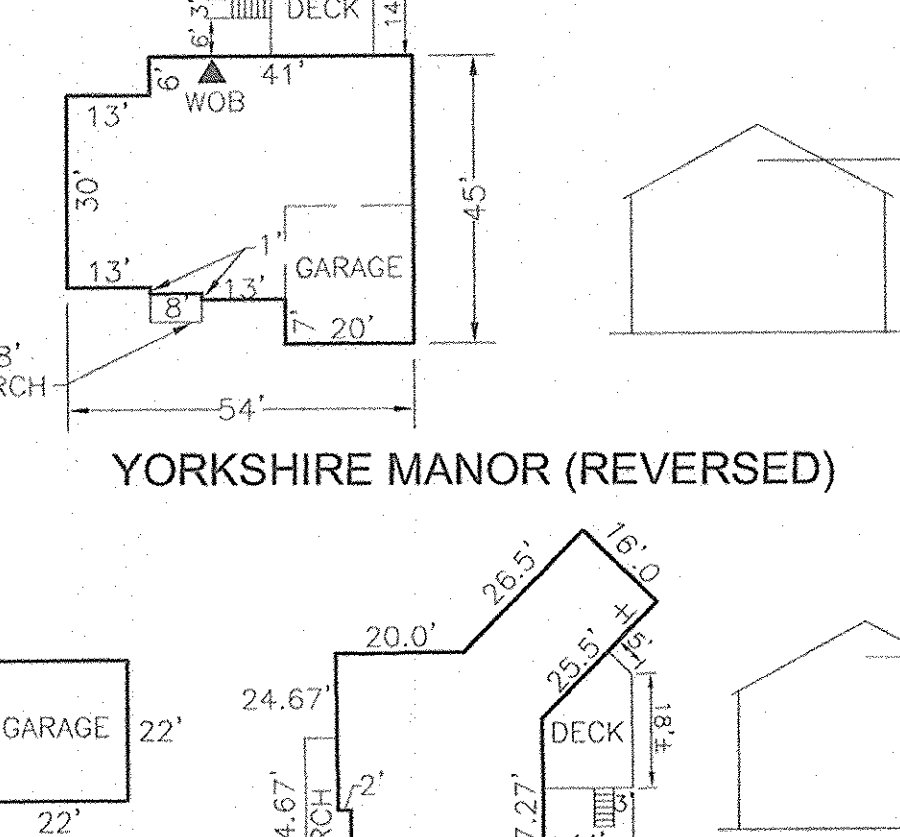
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEDING LOVEGRASS (0.7 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 SOIL.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

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



DEVELOPER'S CERTIFICATE
 I/WE 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 COUNTY CONSERVATION DISTRICT.

[Signature] 1/24/08
 SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE: 09-27-2008.

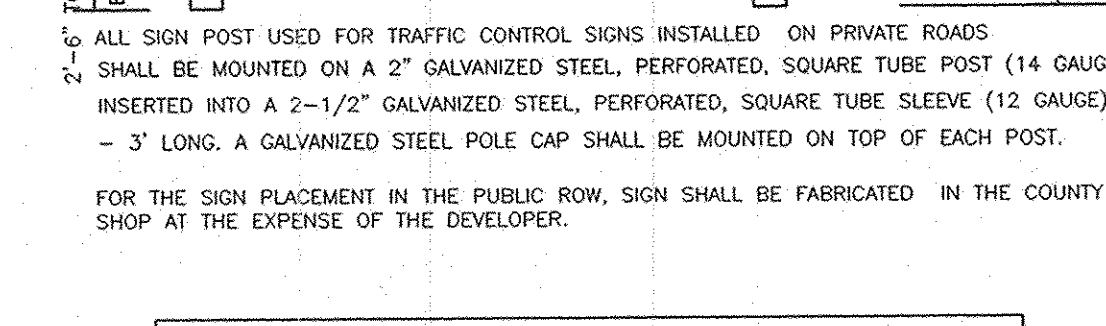
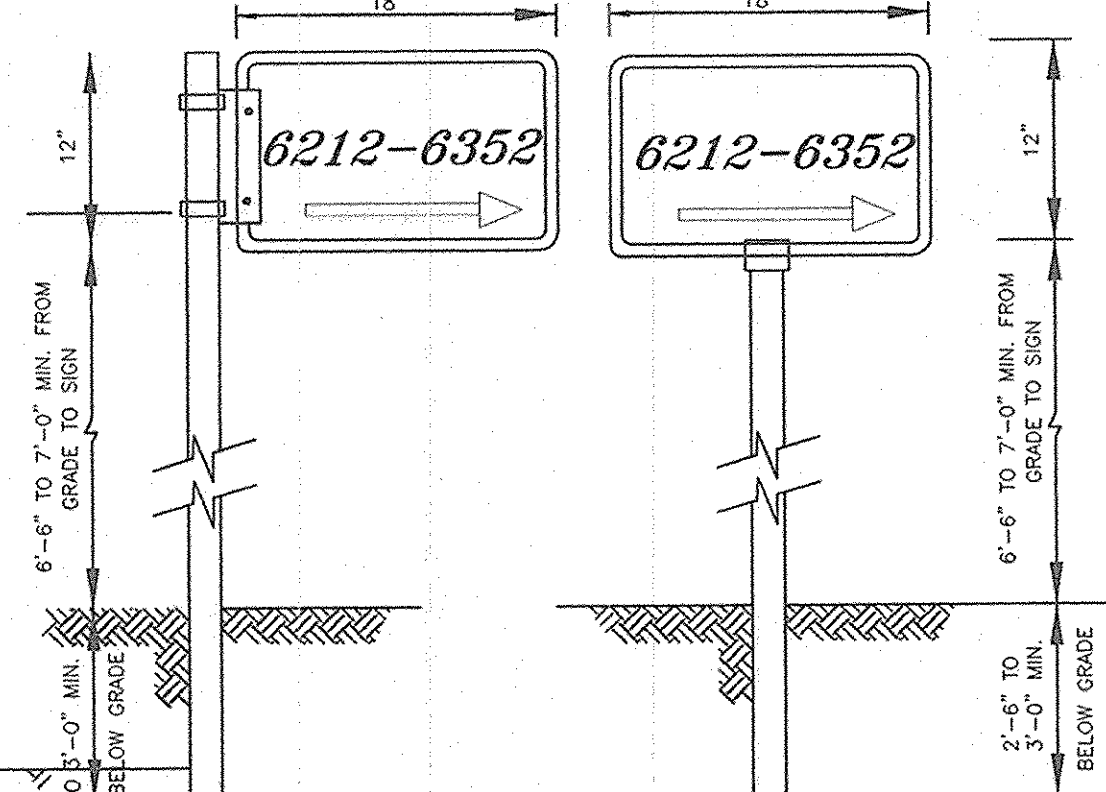
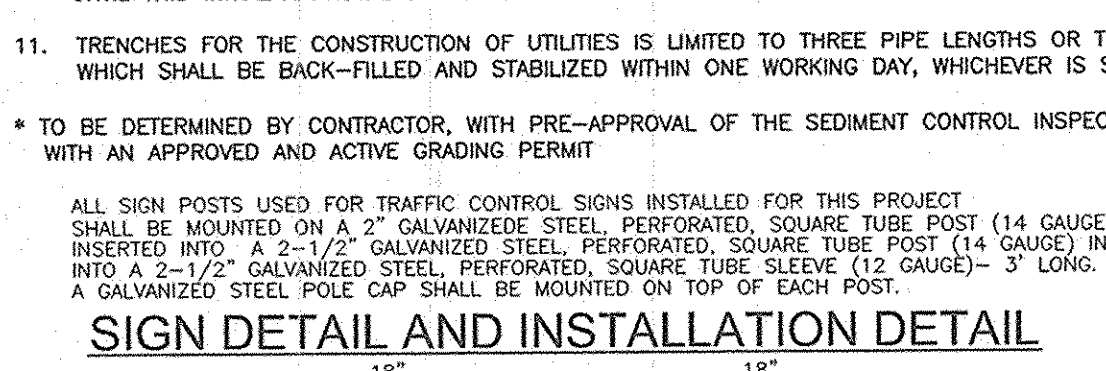
[Signature] 1/24/08
 SIGNATURE OF DEVELOPER DATE

SEDIMENT CONTROL NOTES

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (513-1855).
2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THEREOF.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1 (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOIL, TEMPORARY SEEDING, AND MULCHING (SEC. 9). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:

TOTAL AREA	35,407 SF
AREA DISTURBED	13,400 SF
AREA TO BE ROOFED OR PAVED	7,500 SF
AREA TO BE VEGETATIVELY STABILIZED	27,907 SF
TOTAL CUT	180 CY
TOTAL FILL	180 CY

 OFFSITE WASTE/BORROW AREA LOCATION
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



CATEGORY	ADJACENT TO PERIMETER PROPERTIES TYPE 'A'	ADJACENT TO PERIMETER PROPERTIES TYPE 'B'
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	441' (A)	191' (B)
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES 81'	YES 76'
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES	6	0
EVERGREEN TREES	0	0
SHRUBS	0	0
NUMBER OF PLANTS PROVIDED		
SHADE TREES	3	2
EVERGREEN TREES	0	0
OTHER TREES (2:1 SUBSTITUTION)	0	0
SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	50**	0

**50 SHRUBS SUBSTITUTED FOR 5 SHADE TREES PER APPROVED WP-05-026.

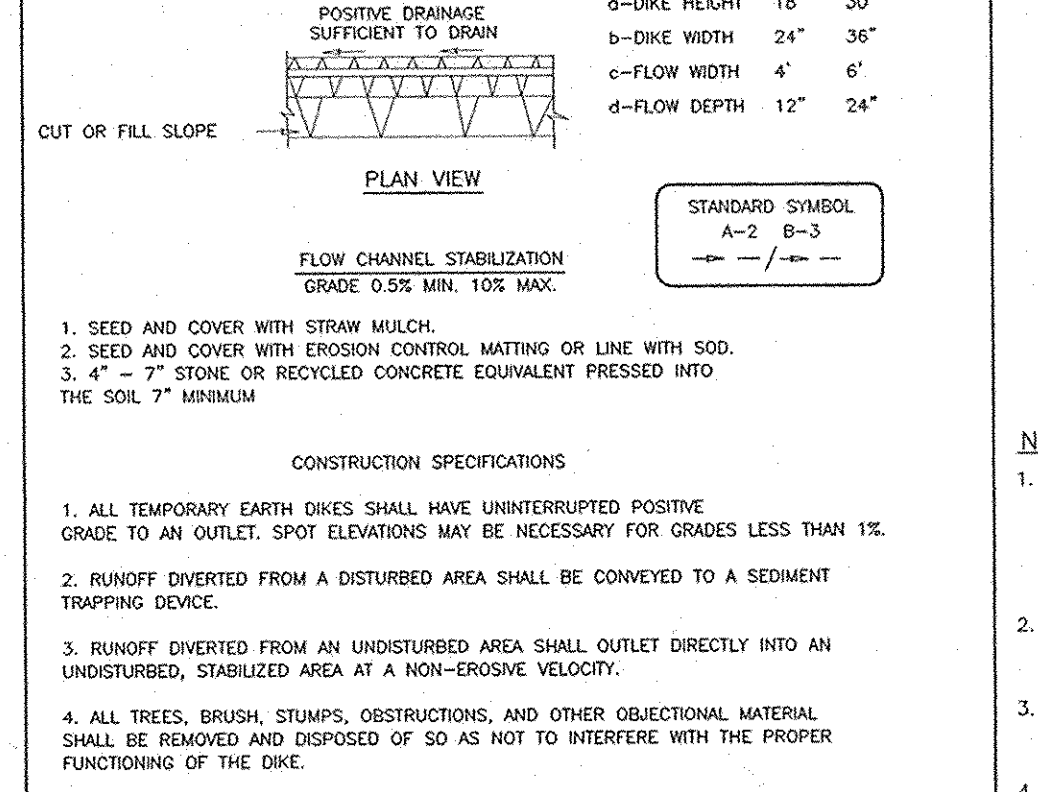
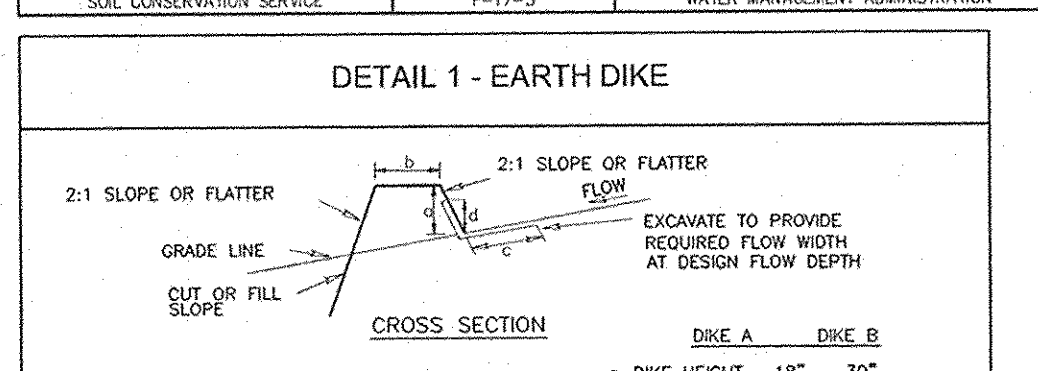
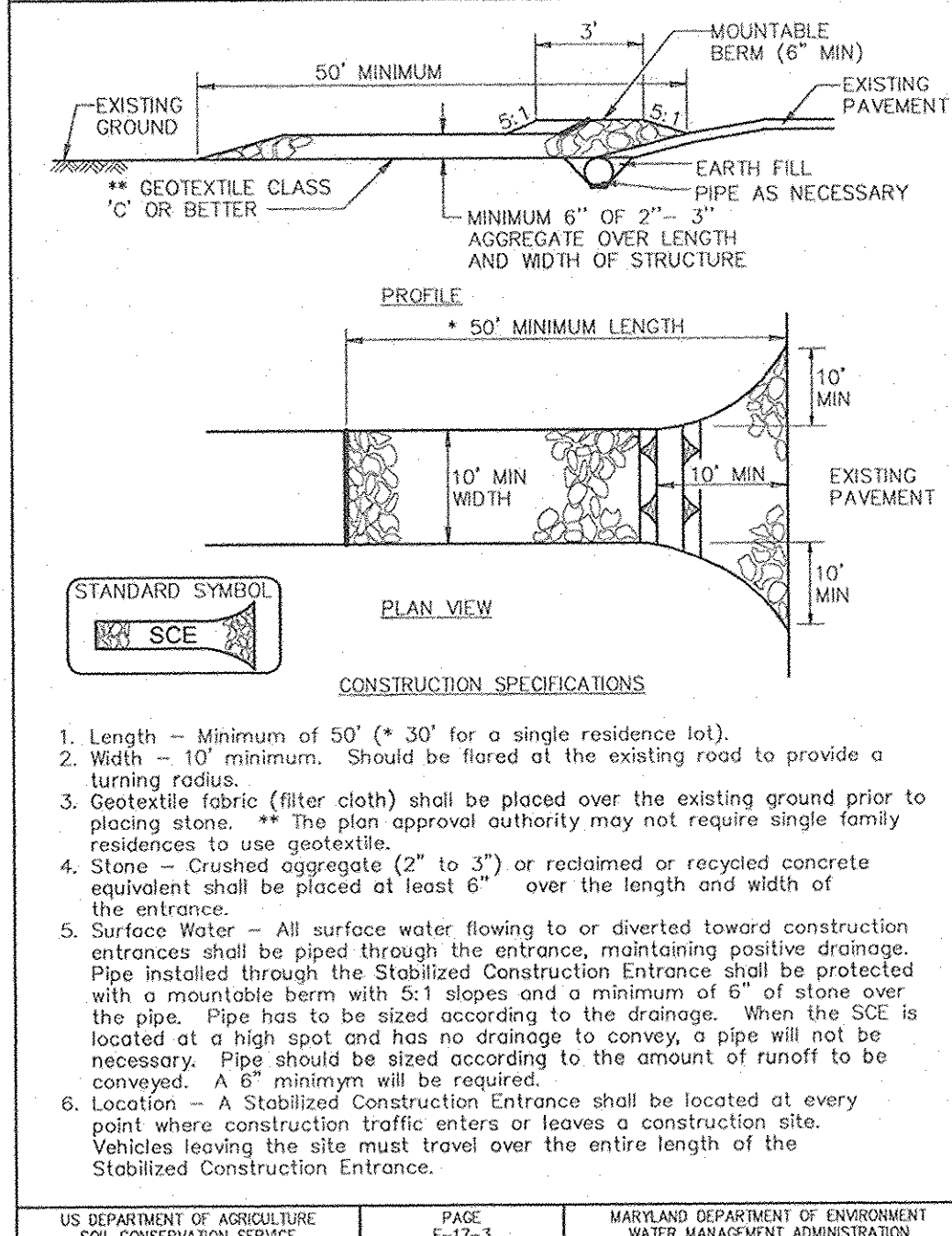
ENGINEERS CERTIFICATE
 I/WE CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.

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DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



CATEGORY	ADJACENT TO PERIMETER PROPERTIES TYPE 'A'	ADJACENT TO PERIMETER PROPERTIES TYPE 'B'
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	441' (A)	191' (B)
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES 81'	YES 76'
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES	6	0
EVERGREEN TREES	0	0
SHRUBS	0	0
NUMBER OF PLANTS PROVIDED		
SHADE TREES	3	2
EVERGREEN TREES	0	0
OTHER TREES (2:1 SUBSTITUTION)	0	0
SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	50**	0

**50 SHRUBS SUBSTITUTED FOR 5 SHADE TREES PER APPROVED WP-05-026.

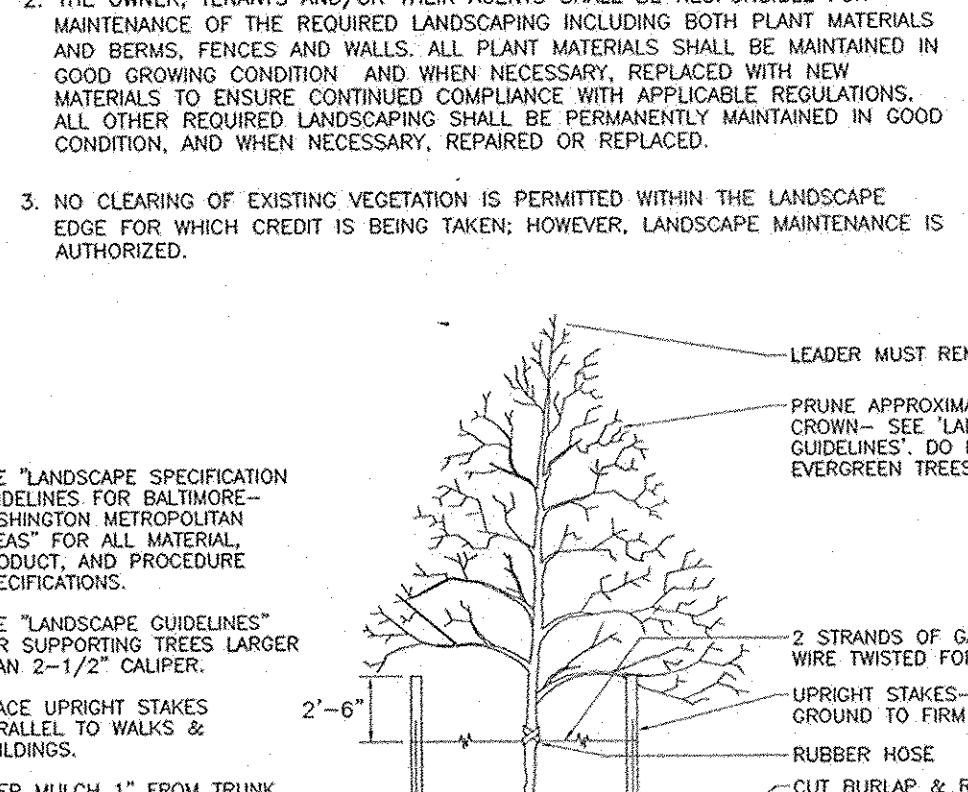
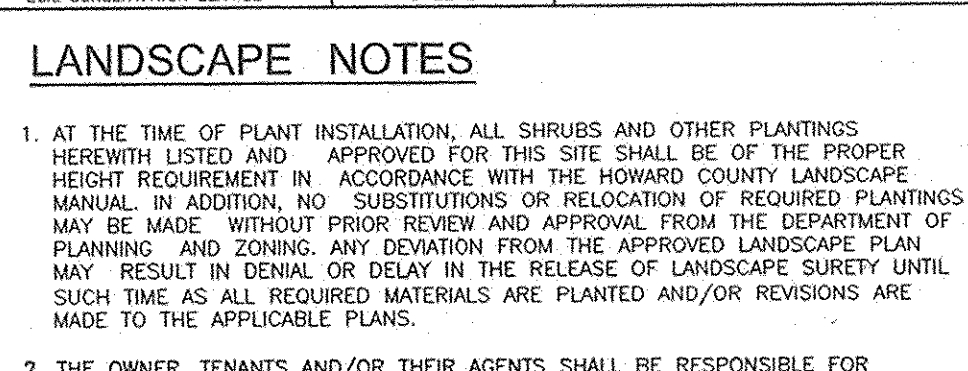
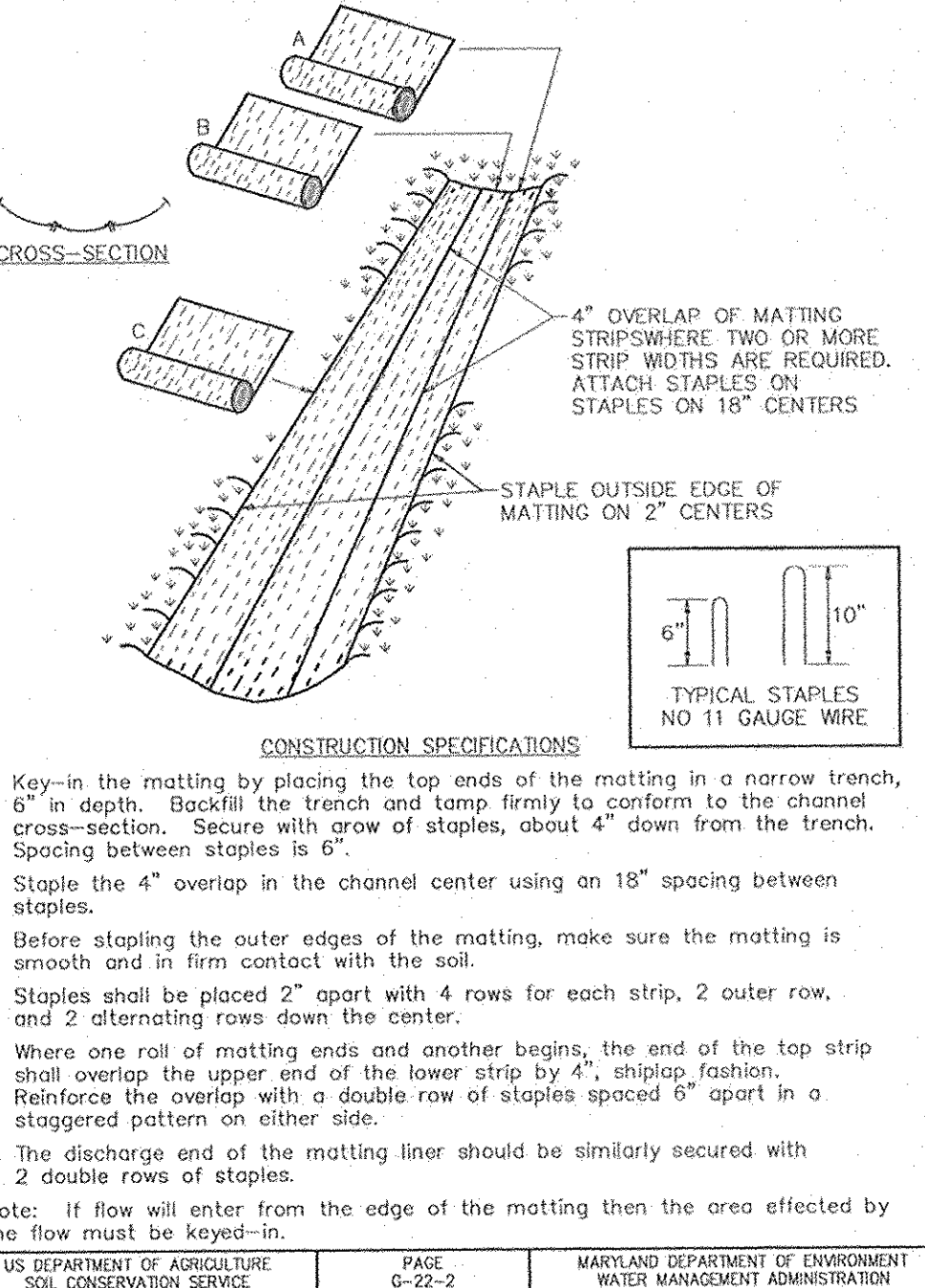
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[Signature] 1/24/08
 SIGNATURE OF DEVELOPER DATE

DETAIL 30 - EROSION CONTROL MATTING



CATEGORY	ADJACENT TO PERIMETER PROPERTIES TYPE 'A'	ADJACENT TO PERIMETER PROPERTIES TYPE 'B'
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	441' (A)	191' (B)
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES 81'	YES 76'
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES	6	0
EVERGREEN TREES	0	0
SHRUBS	0	0
NUMBER OF PLANTS PROVIDED		
SHADE TREES	3	2
EVERGREEN TREES	0	0
OTHER TREES (2:1 SUBSTITUTION)	0	0
SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	50**	0

**50 SHRUBS SUBSTITUTED FOR 5 SHADE TREES PER APPROVED WP-05-026.

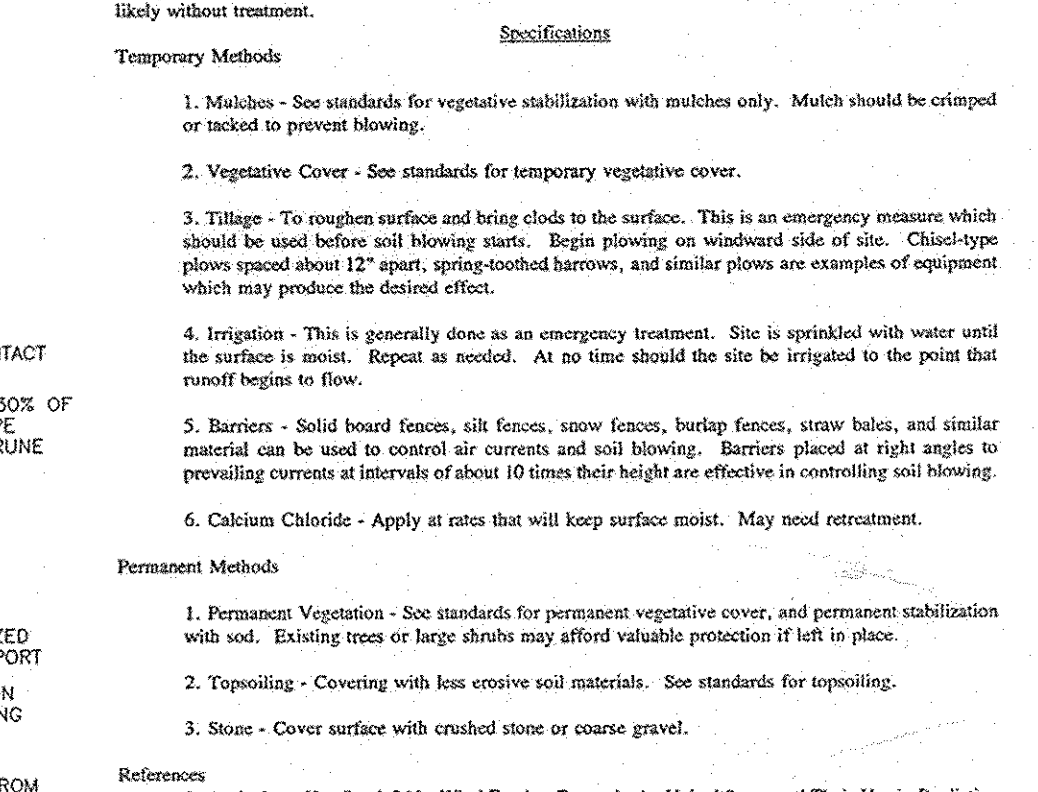
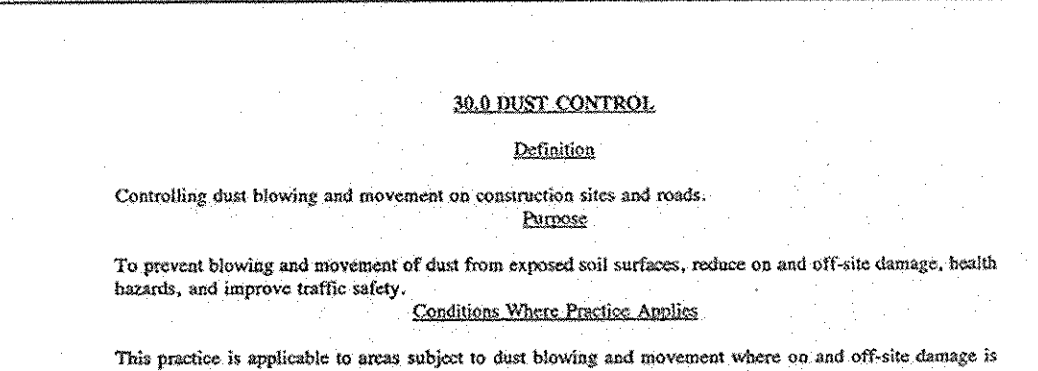
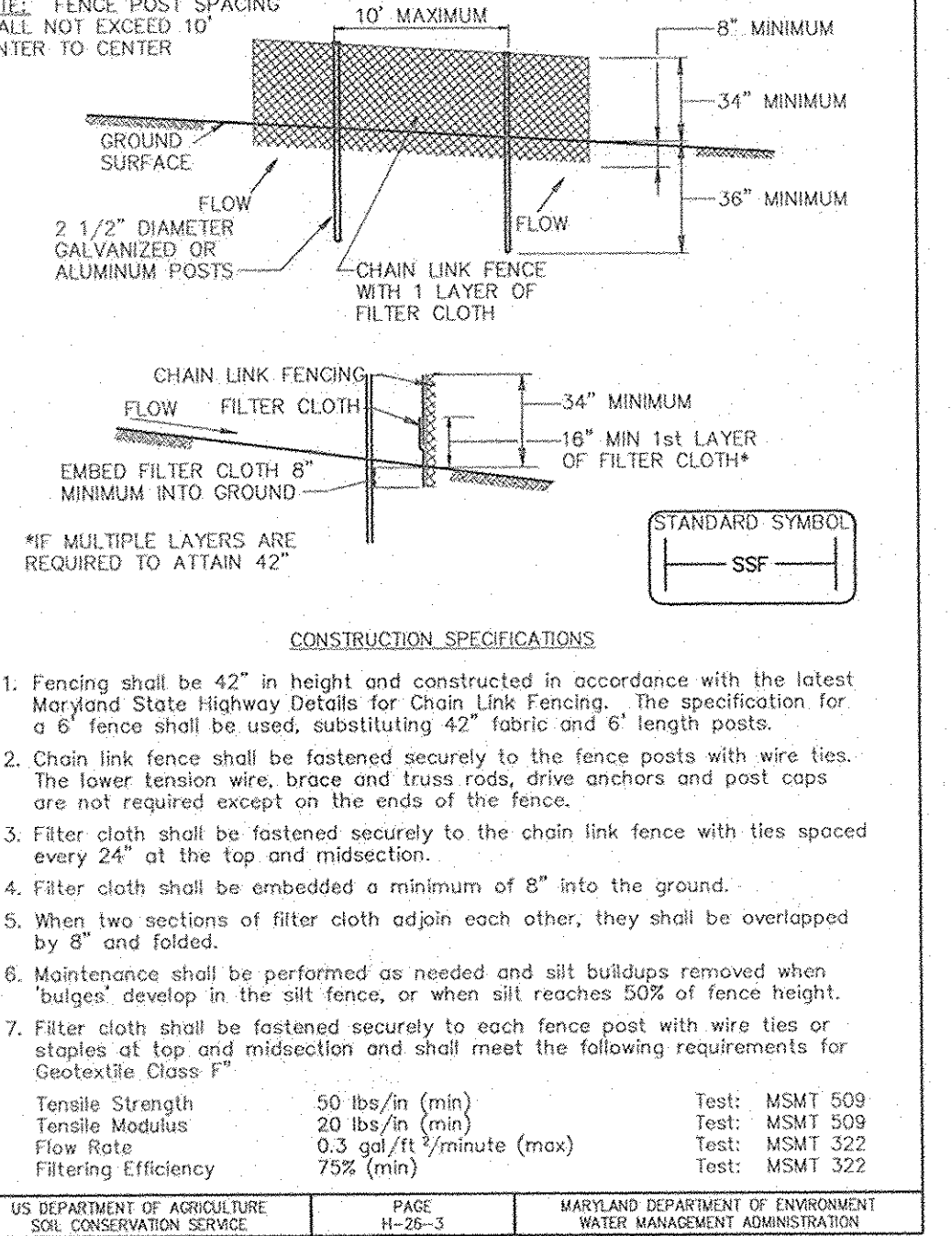
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DETAIL 33 - SUPER SILT FENCE



CATEGORY	ADJACENT TO PERIMETER PROPERTIES TYPE 'A'	ADJACENT TO PERIMETER PROPERTIES TYPE 'B'
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	441' (A)	191' (B)
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES 81'	YES 76'
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES	6	0
EVERGREEN TREES	0	0
SHRUBS	0	0
NUMBER OF PLANTS PROVIDED		
SHADE TREES	3	2
EVERGREEN TREES	0	0
OTHER TREES (2:1 SUBSTITUTION)	0	0
SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	50**	0

**50 SHRUBS SUBSTITUTED FOR 5 SHADE TREES PER APPROVED WP-05-026.

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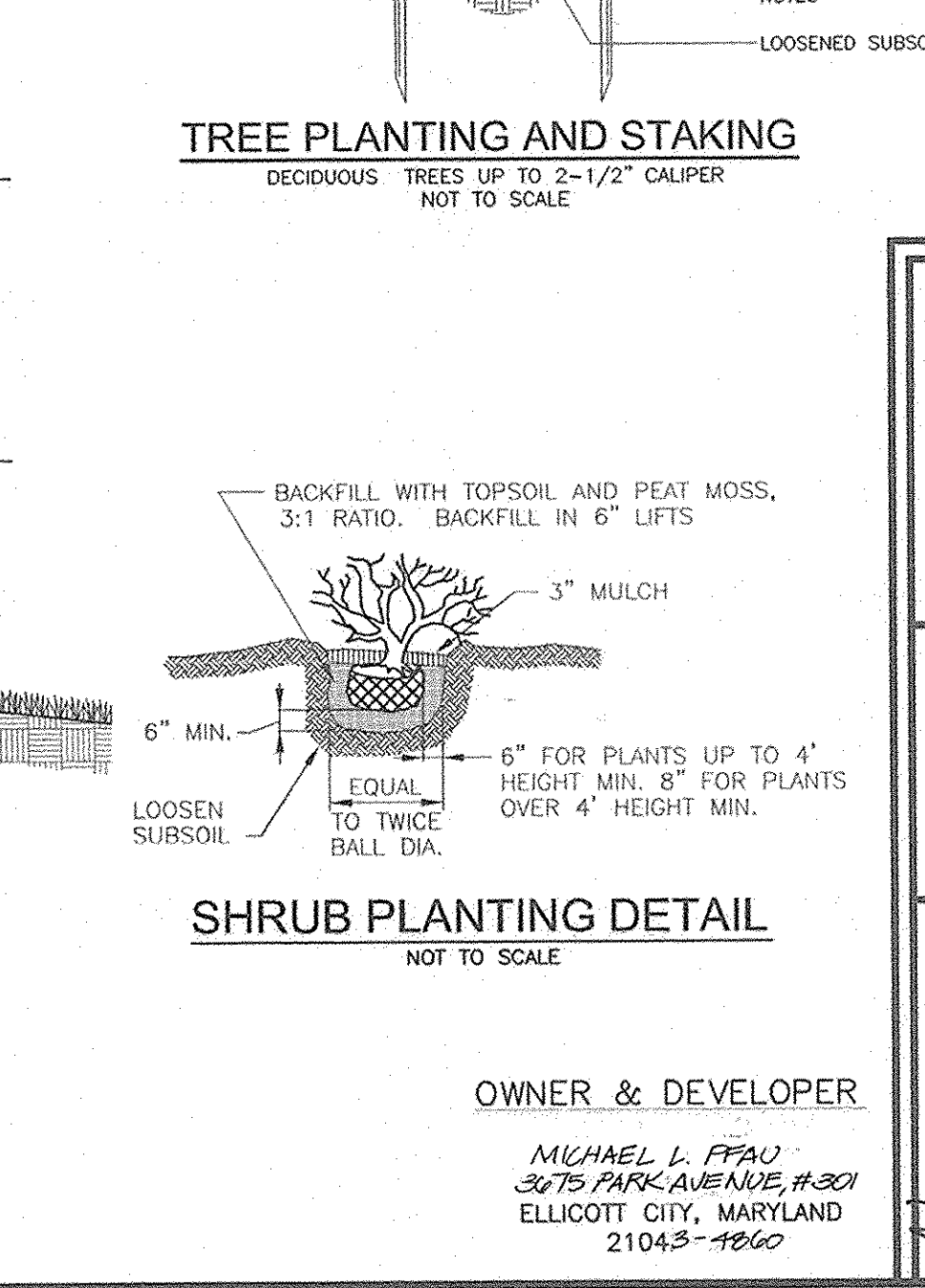
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[Signature] 1/24/08
 SIGNATURE OF DEVELOPER DATE

LANDSCAPE NOTES

1. AT THE TIME OF PLANT INSTALLATION, ALL SHRUBS AND OTHER PLANTINGS HEREWIT LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENT 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 THE 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 THE APPLICABLE PLANS.
2. THE OWNER, TENANTS AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
3. NO CLEARING OF EXISTING VEGETATION IS PERMITTED WITHIN THE LANDSCAPE EDGE FOR WHICH CREDIT IS BEING TAKEN; HOWEVER, LANDSCAPE MAINTENANCE IS AUTHORIZED.



8.0 DUST CONTROL

- Definition**
 Controlling dust blowing and movement on construction sites and roads.
- Purpose**
 To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.
- Conditions Where Practice Applies**
 This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.
- Temporary Methods**
 1. Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tamped to prevent blowing.
 2. Vegetative Cover - See standards for temporary vegetative cover.
 3. Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12' apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
 4. Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the site be irrigated to the point that runoff begins to flow.
 5. Barriers - Solid board fences, silt fences, straw fences, burlap fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 100 meters their height are effective in controlling soil blowing.
- Permanent Methods**
 1. Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with soil. Existing trees or large shrubs may afford valuable protection if left in place.
 2. Topsoiling - Covering with loess cover soil materials. See standards for topsoiling.
 3. Stone - Cover surface with crushed stone or coarse gravel.
- References**
 1. Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
 2. Agriculture Information Bulletin 354. How to Control Wind Erosion. USDA-ARS. W-3-1

QTY	BOTANICAL NAME/COMMON NAME	SIZE	ROOT
5	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	2-1/2"-3" CAL	B & B
50	ELIUNYMS ALATUS 'COMPACTA' DWARF WINGED ELIUNYMS	2'-2-1/2" HT	B & B

SITE DEVELOPMENT PLAN
HENLINE PROPERTY
 LOTS 5 & 6
 PLAT NO. 19437
 SINGLE FAMILY DETACHED
 DPZ File No.'s F-03-11, WP-05-026, WP-03-127, F-05-191
 TAX MAP 17 BLOCK 19 PARCEL 329
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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

DESIGN BY: RHV/RJ
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: JANUARY 2008
 SCALE: AS SHOWN
 W.O. NO.: 04-129

3 SHEET OF 3