

GENERAL NOTES

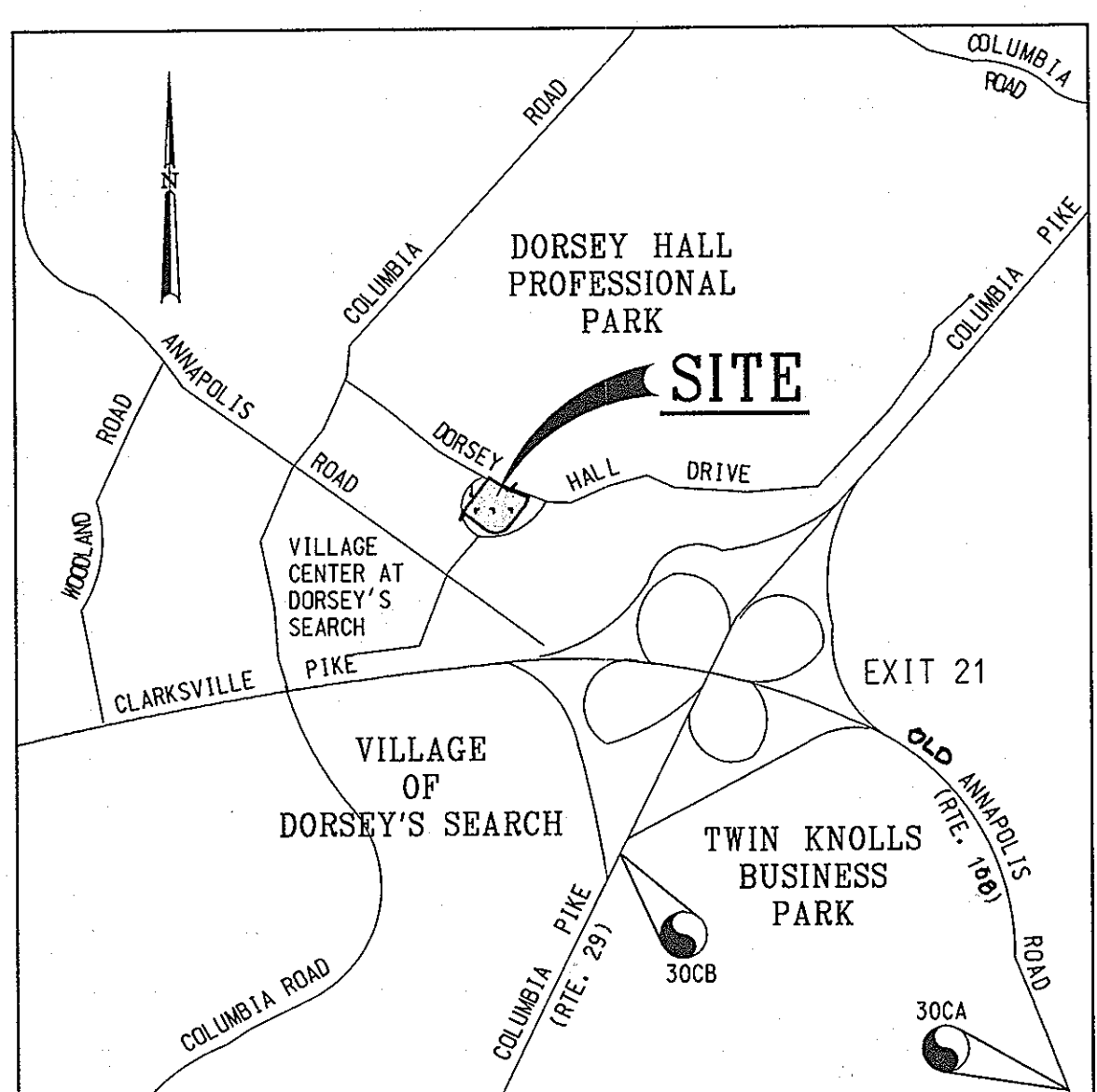
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE LOCATION AND ELEVATIONS OF THE EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF EXISTING UTILITIES IN THE WORK AREA AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING FREDERICK WARD ASSOC., INC. AT (410) 838-7900 IN THE EVENT OF ANY DISCREPANCIES ON THE PLAN OR IN THE RELATIONSHIP OF EXISTING GRADES WITH PROPOSED GRADES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN A SCALED DIMENSION AND A FIGURED DIMENSION SHOWN ON THE PLANS, THE FIGURED DIMENSION SHALL GOVERN.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT THE FAILURE TO MENTION SPECIFICALLY, WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST 5 WORKING DAYS PRIOR TO BEGINNING WORK:
HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION (410) 313-1880
MISS UTILITY (AT LEAST 48 HRS PRIOR TO ANY EXCAVATION): 1-800-257-7777
C&P TELEPHONE CO. (410) 313-2366
HOWARD COUNTY BUREAU OF UTILITIES 313-2366
AT&T CABLE LOCATION DIVISION 333-3553
BOGE 686-0123
NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION AT LEAST 48 HOURS PRIOR TO START (313-1855)
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS STATED OTHERWISE.
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE PURPOSE OF THIS SITE DEVELOPMENT PLAN IS TO CONSTRUCT A CAR WASH, AND RELATED SITE AMENITIES AND INFRASTRUCTURE.
- STORM WATER QUANTITY MANAGEMENT IS PROVIDED FOR BY WAY OF AN OFF-SITE FACILITY CONSTRUCTED UNDER F-85-16 AND UNDER THE OWNERSHIP AND MAINTENANCE RESPONSIBILITY OF HOWARD RESEARCH AND DEVELOPMENT. QUALITY MANAGEMENT IS, AND WILL BE PROVIDED FOR, BY WAY OF A WATER QUALITY INLET CONSTRUCTED UNDER SDP-90-84 AND A BIORETENTION FACILITY CONSTRUCTED UNDER SDP# 01-80.
- SECTION 404 OF THE MD DEPARTMENT OF NATURAL RESOURCES DOES NOT APPLY NOR ARE ANY WETLANDS PERMITS REQUIRED FOR THIS PROJECT.
- ALL WASTE MATERIAL WHICH HAS BEEN GENERATED AS A RESULT OF THE CONVENIENCE STORE AND CAR WASH SHALL BE EITHER STORED ON SITE AND LATER SHIPPED FOR RECYCLING OR PROPERLY DISPOSED OF AT A COUNTY APPROVED LANDFILL.
- ALL DETERGENT USED IN THE CAR WASH FACILITY SHALL BE "PHOSPHATE FREE" AS PER HOWARD COUNTY REGULATIONS.
- PUBLIC WATER AND SEWER WILL BE UTILIZED. A WATER METER SHALL BE LOCATED WITHIN THE GAS STATION AND WILL MEET ALL HOWARD COUNTY STANDARDS. THERE IS AN EXISTING WALL-MOUNTED REMOTE METER OUTSIDE THE BUILDING. ON SITE WATER AND SEWER SHALL BE PRIVATE.
- ALL EXISTING WATER AND SEWER ARE PUBLIC AND ARE SHOWN PER CONTRACT NO. 24-1833-D.
- 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.
- ALL SITE LIGHTING MUST BE DIRECTED AWAY FROM THE ADJACENT PUBLIC RIGHT-OF-WAY AND THE VICINITY OF RESIDENTIAL PROPERTIES AND COMPLY WITH THE REQUIREMENTS OF ZONING SECTION 134.
- CONTRACTOR SHALL CONTACT THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING CONSTRUCTION INSPECTION DIVISION AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE COMMENCEMENT OF WORK @ (410) 313-1880.
- ALL REFUSE SHALL BE STORED IN THE PROPOSED MASONRY TRASH ENCLOSURE IN ACCORDANCE WITH THE HOWARD COUNTY RULES & REGULATIONS FOR REFUSE COLLECTION.
- THERE IS NO FLOODPLAIN ON THIS SITE.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH ONE FOOT CONTOUR INTERVALS PREPARED BY FREDERICK WARD ASSOCIATES, INC DATED 11/7/2000.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATION SYSTEM. HOWARD COUNTY MONUMENTS N04 30CB AND 30CA WERE USED FOR THIS PROJECT.
- EXISTING UTILITIES BASED ON SURVEY BY FREDERICK WARD ASSOCIATES, SDP 90-84 AND CONTRACT NO. 24-1833-D.
- A TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY TRAFFIC CONCEPTS, INC DATED DEC. 2000 AND APPROVED JAN. 2001.

MOBIL OIL CORPORATION

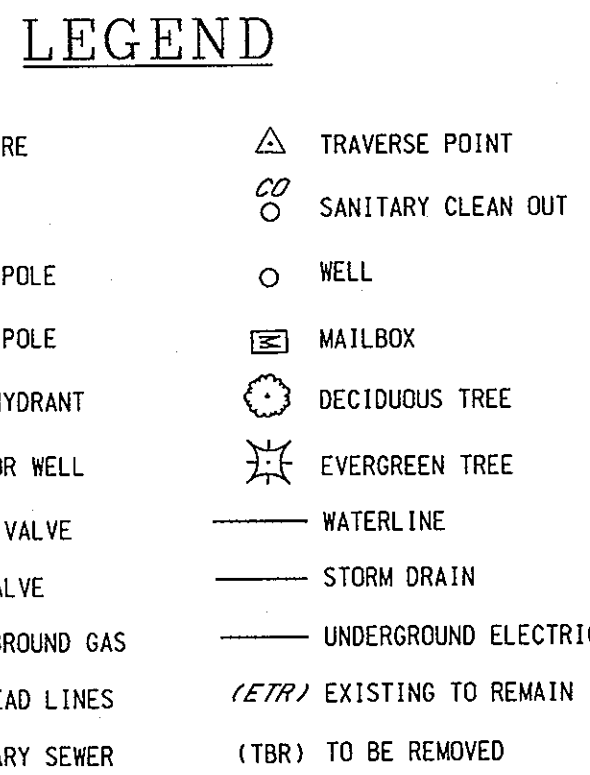
CARWASH ADDITION DORSEYS SEARCH VILLAGE CENTER HOWARD COUNTY, MARYLAND 21044

SITE INFORMATION

- TOTAL SITE AREA: 64.033 SQ FT OR 1.470 AC SC ZONE: 56.540 SQ FT
POR ZONE: 1.493 SQ FT
- TOTAL NUMBER OF LOTS: 1
- PRESENT ZONING: SC (SHOPPING CENTER)
POR (PLANNED OFFICE RESEARCH)
- ELECTION DISTRICT: 2
- TAX MAP 30, GRID 4, PARCEL 407, PARCEL L-3, PLAT NO. 8839, DEED REF 1929/451 AND 1960/606
- AREA REQUIREMENTS:
 - A. REQUIRED: 20,000 SQ FT (MIN LOT SIZE FOR GAS STATION)
8,518 SQ FT (PARKING AND STACKING SPACES)
625 SQ FT (SNACK SHOP)
1,080 SQ FT (AUTOMOBILE SERVICE)
516 SQ FT (CAR WASH)
28,539 SQ FT
 - TOTAL:
 - B. PROVIDED: 56,540 SQ FT OR 1.297 AC
- PARKING:
 - A. REQUIRED:
 - GASOLINE SERVICE STATION WITH 3 SERVICE BAYS = 3.0 SPACES + 3 SPACES/SERVICE BAY = 12.0 SPACES
 - SNACK SHOP = 2.0 SPACES PER 1000 SQ FT = 2(625/1000) = 1.25 SPACES
 - CAR WASH = 4.0 SPACES
 - VACUUMS = 2.0 (SERVICE SPACES)
 TOTAL: 17.25 SPACES OR 18 SPACES
 - B. PROVIDED: 18 SPACES (INCLUDING ONE HANDICAP SPACE)
- IMPERVIOUS AREA: EXISTING: 42,231 SQ FT = 66%
PROPOSED: 43,333 SQ FT = 68%
- LANDSCAPE AREA: REQUIRED: 11,308 SQ FT = 20%
PROPOSED: 13,100 SQ FT = 23%
- PROPOSED MODIFICATIONS:
 - A. CONSTRUCT CARWASH ON EXISTING GAS AND GO FACILITY.
- BUILDING USE:
 - A. EXISTING: FUEL SERVICE STATION WITH AUTOMOBILE SERVICE AND SNACK SHOP
 - B. PROPOSED: AUTOMOBILE SERVICE STATION WITH FUEL SALES, SNACK SHOP & CAR WASH
- BUILDING COVERAGE: 2,940 SQ FT (REPAIR/SNACK SHOP) + 516 SF (CAR WASH) = 3,456 SQ FT
- ROAD FRONTAGE:
 - DORSEY HALL DRIVE = 243.96'
- HEIGHT OF SERVICE STATION = 36'-0"
HEIGHT OF CAR WASH = 35'-6"
- SITE ADDRESS: 4755 DORSEY HALL DRIVE, DORSEY SEARCH VILLAGE CENTER, COLUMBIA, MD 21044
- ATTORNEY: REESE & CARNEY, 10715 CHARTER DRIVE, COLUMBIA, MD 21044, (410) 740-4600, ATTN: DAVID A. CARNEY, ESQ.
- BOARD OF APPEALS HISTORY:
 - A. CASE NO. BA 09-11E: SPECIAL EXCEPTION FOR GASOLINE SERVICE STATION TO OPERATE ON A 24-HOUR PER DAY BASIS. GRANTED ON NOV. 9, 1989.
 - B. CASE NO. BA 00-11E & V: SPECIAL EXCEPTION AND VARIANCE TO ENLARGE EXISTING GASOLINE SERVICE STATION BY ADDING A CARWASH AND ASSOCIATED IMPROVEMENTS, AND VARIANCE REQUEST TO REDUCE THE 100 FOOT STRUCTURE AND USE SETBACK TO 60 FEET. SPECIAL EXCEPTION GRANTED, AND VARIANCE DENIED ON AUGUST 31, 2000.
- SITE HISTORY:
 - SUBDIVISION PLAT 8839 APPROVED
 - SITE DEVELOPMENT PLANS APPROVED SDP 90-84 APPROVED MAY 20, 1990.
- THIS PROJECT IS EXEMPT TO THE REQUIREMENTS OF THE FOREST CONSERVATION ACT OF HOWARD COUNTY IN ACCORDANCE WITH THE SUBDIVISION SECTION 16, 1202(b)(1)(i)(ii) BASED ON THIS PARCEL HAVING AN APPROVED SITE DEVELOPMENT PLAN, SDP-90-84, PRIOR TO 12/31/92.
- TOPOGRAPHIC SURVEY PERFORMED BY FREDERICK WARD ASSOC., INC. IN NOVEMBER, 2000.
- THERE ARE NO 100-YEAR FLOODPLAINS, WETLANDS, FORESTS OR STEEP SLOPES ON THIS SITE.



VICINITY MAP
SCALE: 1" = 1000'
BENCHMARK: EXISTING FIRST FLOOR ELEVATION 385.50



BY THE ENGINEER:
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
Signature: Timothy F. Whittie, P.E.
DATE: 5-23-01

BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR EROSION AND SEDIMENT 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: Michael A. Lewis
DATE: 5/23/01

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.
Signature: Jim Murray
DATE: 6/14/01

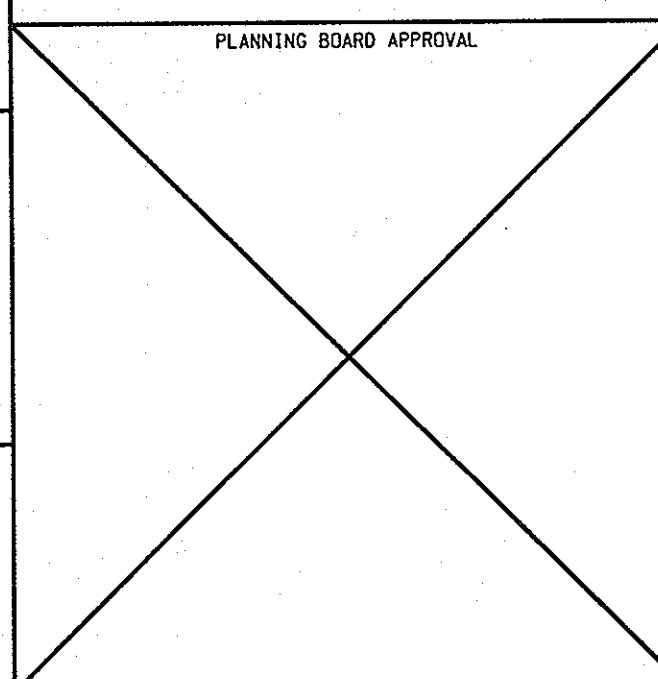
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature: John R. Robertson
DATE: 6/14/01

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Signature: [Redacted]
DATE: 6/21/01

CHIEF-DEVELOPMENT ENGINEERING DIVISION
Signature: Cindy Hamilton
DATE: 7/3/01

CHIEF-DIVISION OF LAND DEVELOPMENT
Signature: [Redacted]
DATE: 7/6/01

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
Signature: Diane J. Matyszak
DATE: 6/29/01



BEFORE BEGINNING CONSTRUCTION CONTACT
"MISS UTILITY"
AT
1-800-257-7777
AT LEAST 48 HOURS PRIOR TO EXCAVATION

FREDERICK WARD ASSOCIATES, INC.
ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354
ARCHITECTS Phone: 410-290-6550 Fax: 410-720-8228
SURVEYORS Bel Air, Maryland Manassas, Virginia Warrenton, Virginia

5-22-01
DATE
Signature: Timothy F. Whittie
PROFESSIONAL ENGR. NO. 19155



SHEET INDEX

- TITLE SHEET 1 OF 10
- EXISTING CONDITIONS AND DEMOLITION PLAN 2 OF 10
- SITE LAYOUT PLAN 3 OF 10
- SITE GRADING PLAN 4 OF 10
- SITE UTILITY PLAN 5 OF 10
- SEDIMENT AND EROSION CONTROL PLAN 6 OF 10
- SEDIMENT AND EROSION CONTROL NOTES & DETAILS 7 OF 10
- STORM DRAIN PROFILES, DETAILS, AND DRAINAGE AREA MAPS 8 OF 10
- SITE LANDSCAPE PLAN 9 OF 10
- SITE DETAILS AND BUILDING ELEVATIONS 10 OF 10

OWNER: **DSVC LIMITED PARTNERSHIP**
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
(301) 992-6084

DEVELOPER: **CONVENIENCE RETAILING LLC.**
10704 CLOVERBROOKE DRIVE
POTOMAC, MD 20854
ATTN: MR. RICHARD LEVITAN
(301) 738-0292

NOTES

- OUTSIDE OPERATIONS WILL ONLY BE GAS AND GO.
- ALL WASTE MATERIALS WILL BE DISCARDED IN A PROPOSED TRASH ENCLOSURE. THIS SITE WILL HAVE A SNACK SHOP WITH GAS AND GO, CAR WASH, AND AUTOMOTIVE REPAIR SERVICES. NO ADDITIONAL AUTOMOTIVE WASTE WILL BE GENERATED BY THE CAR WASH FACILITY WHICH WILL RECLAIM AND TREAT THE WASH WATER.
- HOURS OF OPERATION WILL BE TWENTY-FOUR (24) HOURS A DAY, SEVEN DAYS A WEEK.
- RESTROOM FACILITIES WILL BE AVAILABLE FOR PUBLIC USE.
- ALL OUTDOOR LIGHTING SHALL BE DESIGNED AND LOCATED IN ACCORDANCE WITH THE REQUIREMENTS OF ZONING SECTION 134. SEE PLANS FOR DETAILS.
- NO MODIFICATIONS WILL BE MADE OFF-SITE.

RELEASED FOR	
<input type="checkbox"/>	PRELIMINARY ONLY
<input type="checkbox"/>	BIDDING
<input checked="" type="checkbox"/>	PERMIT
<input type="checkbox"/>	CONSTRUCTION
DATE:	

SDP #01-80

10/11/83	2	160 # BUILDING ADDITION
3/16/01	1	REVISIONS PER COUNTY COMMENTS
DATE	NUMBER	REVISION DESCRIPTIONS
PERMIT INFORMATION CHART		
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL NO.
DORSEYS HALL	2 / 4	L-3/407
PLAT#	BLOCK#	ZONING
8839	4	SC
TAX MAP NO.	ELECT DISTR	CENSUS TRACT
30	2	6023.01
WATER CODE	SEWER CODE	
F10	575000	
ADDRESS CHART		
LOT/PARCEL #	STREET ADDRESS	
L-3/407	4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042	
TITLE: DORSEYS SEARCH VILLAGE CENTER HOWARD COUNTY, MARYLAND 21044		
TITLE SHEET		
DESIGN BY: TFW	SCALE: AS SHOWN	PROJECT NO.: 99474.00
DRAWN BY: MIB/FWA	DATE: 03/12/01	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	CD01 OF 10

DEMOLITION NOTES

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND VERIFY EXISTING SITE CONDITIONS TO HIS SATISFACTION.
2. CONTRACTOR TO MEET WITH DEVELOPER ON JOB SITE TO IDENTIFY EXISTING SIGNS AND ITEMS TO BE REMOVED OR RETAINED PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR MUST ADHERE TO ALL SAFETY REGULATIONS GIVEN BY O.S.H.A., MOBIL, AND HOWARD COUNTY.
4. ALL DEMOLISHED MATERIALS TO BE REMOVED TO AN APPROVED LOCATION.
5. ALL UTILITIES AND STRUCTURES WITHIN PUBLIC RIGHT-OF-WAY SHALL REMAIN.
6. ALL UTILITIES AND EXISTING FEATURES DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE.
7. TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN IS FROM A SURVEY PREPARED BY FREDERICK WARD ASSOC., INC., DATED 11/7/2000. THE BOUNDARY INFORMATION SHOWN ON THIS PLAN IS TAKEN FROM SUBDIVISION PLAT BY 8839.
8. REFER TO DRAWING SHEET CD05 & CD06 FOR ALL REQUIRED SEDIMENT CONTROL MEASURES.
9. REFER TO LANDSCAPE PLAN FOR EXISTING TREES TO REMAIN. EXISTING LANDSCAPING IN AREAS OF PROPOSED WORK MAY BE RELOCATED IF HEALTHY.
10. ANY CONTAMINATED MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY THE CONTRACTOR.

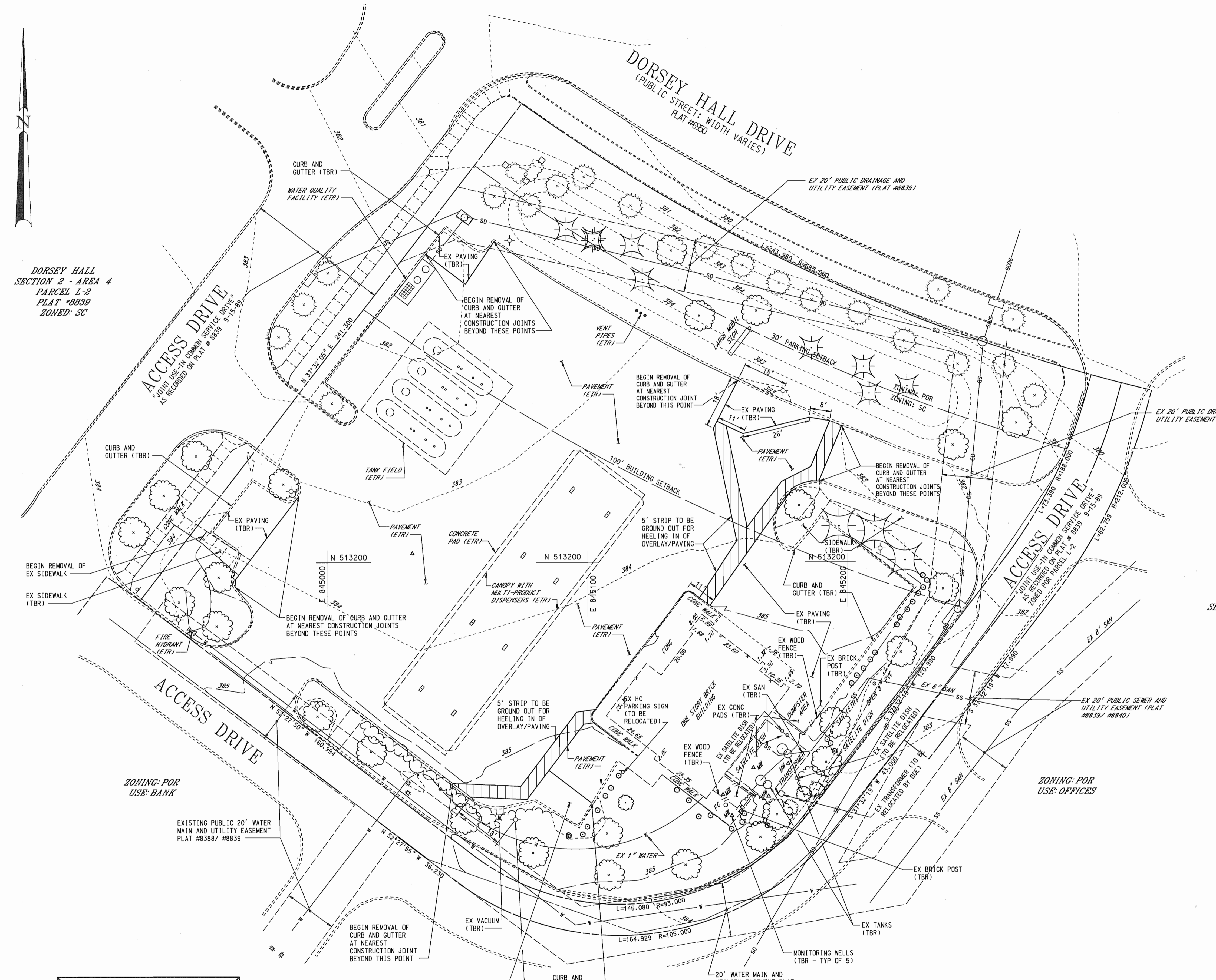
DORSEY HALL
SECTION 2 - AREA 4
PARCEL L-2
PLAT #8839
ZONED: SC

DORSEY HALL
SECTION 2 - AREA 4
PARCEL L-5
PLAT #8839
ZONED: POR

ZONING: POR
USE: BANK

ZONING: POR
USE: OFFICES

PROPERTY OF
HRD CORP.
ZONED: POR



RELEASED FOR	
<input type="checkbox"/>	PRELIMINARY ONLY
<input type="checkbox"/>	BIDDING
<input checked="" type="checkbox"/>	PERMIT
<input type="checkbox"/>	CONSTRUCTION
DATE:	

SDP #01-80

3/23/01	1	REVISIONS PER COUNTY COMMENTS
DATE	NUMBER	REVISION DESCRIPTIONS
PERMIT INFORMATION CHART		
SUBDIVISION NAME DORSEYS HALL	SECTION/AREA 2 / 4	LOT/PARCEL NO. L-3/407
PLAT# 8839	BLOCK# 4	ZONING SC&POR
TAX MAP NO. 30	ELECT. DISTR. 2	CENSUS TRACT 6023.01
WATER CODE F10	SEWER CODE 575000	
ADDRESS CHART		
LOT/PARCEL # L-3/407	STREET ADDRESS 4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042	
TITLE DORSEYS SEARCH VILLAGE CENTER COLUMBIA, MARYLAND 21044		
EXISTING CONDITIONS AND DEMOLITION PLAN		
DESIGN BY: TFW	SCALE: 1" = 20'	PROJECT NO.: 99474.00
DRAWN BY: MIB/FWA	DATE: 03/12/01	DRAWING NUMBER CD02 OF 10
CHECKED BY: TFW	APPROVED:	

OWNER
DSVC LIMITED PARTNERSHIP
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
(301) 992-6084

DEVELOPER
CONVENIENCE RETAILING, LLC
10704 CLOVERBROOKE DRIVE
POTOMAC, MD 20854
ATTN: MR. RICHARD LEVITAN
(301) 738-0292

5-21-01
DATE

TIMOTHY F. WHITTIE
PROFESSIONAL ENGR. - NO. 19155

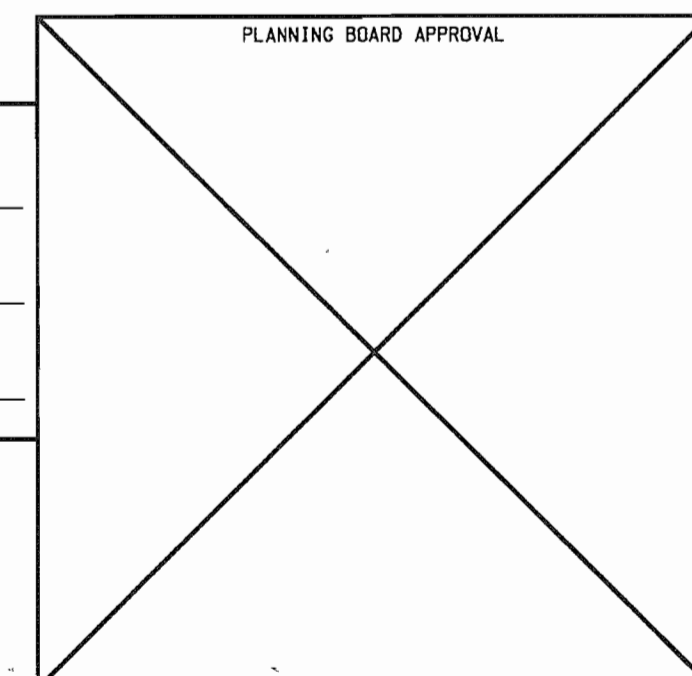
FREDERICK WARD ASSOCIATES, INC.
ENGINEERS
7125 Riverwood Drive Columbia, Maryland 21046-2354
Phone: 410-290-9550 Fax: 410-720-6226
Bel Air, Maryland Manassas, Virginia Warrenton, Virginia

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 6/21/01
CHIEF-DEVELOPMENT ENGINEERING DIVISION

APPROVED: DIVISION OF LAND DEVELOPMENT
[Signature] 7/3/01
CHIEF-DIVISION OF LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 7/6/01
DIRECTOR

[Signature] 6/29/01
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT



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DORSEY HALL
SECTION 2 - AREA 4
PARCEL L-2
PLAT #8839
ZONED: SC

ACCESS DRIVE
*SOIL USE IN COMMON SERVICE DRIVE
AS RECORDED ON PLAT # 8839 9-15-89

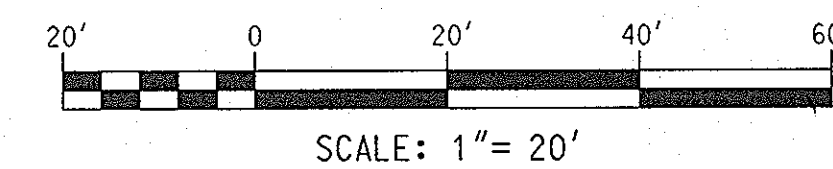
DORSEY HALL
SECTION 2 - AREA 4
PARCEL L-5
PLAT #8839
ZONED: POR

ZONING: POR
USE: BANK

ZONING: POR
USE: OFFICES

DORSEY HALL
SECTION 2 - AREA 4
PARCEL L-4
PLAT #8839
ZONED: POR

NOTE: FILL MATERIAL TO BE COMPACTED
AT 95% PER AASHTO T-180 SPECS



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED ON-SITE ASPHALT
- PROPOSED CONCRETE PAVING

B.3.B. SPECIFICATIONS FOR BIORETENTION

1. Material Specifications

The allowable materials to be used in bioretention area are detailed in Table B.3.2. of the MDE Stormwater Design Manual.
2. Planting Soil

The soil shall be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances shall be mixed or dumped within the bioretention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The planting soil shall be free of Bermuda grass, Quackgrass, Johnson grass, or other noxious weeds as specified under COMAR 15.08.01.05.

The planting soil shall be tested and shall meet the following criteria:

pH range	5.2 - 7.0
organic matter	1.5 - 4% (by weight)
magnesium	35 lb./ac
phosphorus (phosphate -P205)	75 lb./ac
potassium (K2O)	85 lb./ac
soluble salts	not to exceed 500 ppm

All bioretention areas shall have a minimum of one test. Each test shall consist of both the standard soil test for pH, phosphorus, and potassium and additional tests of organic matter, and soluble salts. A textural analysis is required from the site-stocked topsoil. If topsoil is imported, then a texture analysis shall be performed for each location where the topsoil was excavated.

Since different labs calibrate their testing equipment differently, all testing results shall come from the same testing facility.

Should the pH fall out of the acceptable range, it may be modified (higher) with lime or (lower) with iron sulfate plus sulfur.
3. Compaction

It is very important to minimize compaction of both the bases of the bioretention area and the required backfill. When possible, use excavation hoses to remove original soil. If bioretention rubber tires with large lugs, or high-pressure tires will cause excessive compaction resulting in reduced infiltration rates and is not acceptable. Compaction will significantly contribute to design failure.

Compaction can be alleviated at the base of the bioretention facility by using a primary tilling operation such as chisel plow, ripper, or subsoiler. These tilling operations are refractory to the soil profile through the 12-inch compaction zone. Substitute methods must be approved by the engineer. Rototillers typically do not fill deep enough to reduce the effects of compaction from heavy equipment.

Rototill 2 to 3 inches of sand into the base of the bioretention facility before backfilling the optional sand layer. Pump any ponded water before preparing (rototilling) base.

When backfilling the topsoil over the sand layer, first place 3 to 4 inches of topsoil over the sand, then rototill the sand/topsoil to create a gradation zone. Backfill the remainder of the topsoil to final grade.

When backfilling the bioretention facility, place soil in lifts 12" to 18". Do not use heavy equipment within the bioretention basin. Heavy equipment can be used around the perimeter of the basin to supply soils and sand. Grade bioretention materials with light equipment such as a compact loader or a dozer/loader with marsh tracks.
4. Plant Material

Recommended plant material for bioretention areas can be in Appendix A, Section A.2.3 of the MDE Stormwater Design Manual.
5. Plant Installation

Mulch should be placed to a uniform thickness of 2" to 3". Shredded hardwood mulch is the only accepted mulch. Pine mulch and wood chips will float and move to the perimeter of the bioretention area during a storm event and are not acceptable. Shredded mulch must be well aged (6 to 12 months) for acceptance.

Root stock of the plant material shall be kept moist during transport and on-site storage. The plant root ball should be planted so 1/8th of the ball is above final grade surface. The diameter of the planting pit shall be at least six inches than the diameter of the planting ball. Set and maintain the plant straight during the entire planting process. Thoroughly water ground bed cover after installation.

Trees shall be braced using 2" by 2" stakes only as necessary and for the first growing season only. Stakes are to be equally spaced on the outside of the tree ball.

Grasses and legume seed should be drilled into the soil to a depth of at least one inch. Grass and legume plugs shall be planted following the non-grass ground cover planting specifications.
6. Underdrains

The topsoil specifications provide enough organic material to adequately supply nutrients from natural cycling. The primary function of the bioretention structure is to improve water quality. Adding fertilizers defeats, or at a minimum, impedes this goal. Only odd fertilizer if wood chips or mulch are used to amend the soil. Rototill urea fertilizer at a rate of 2 pounds per 1000 square feet.

Underdrains are to be placed on a 3'-0" wide section of filter cloth. Pipe is placed next, followed by the gravel bedding. The ends of underdrain pipes not terminating in an observation well shall be capped.

The main collector pipe for underdrain systems shall be constructed at a minimum slope of 0.5%. Observation wells and/or clean-out pipes must be provided (one minimum per every 1000 square feet of surface area).
7. Miscellaneous

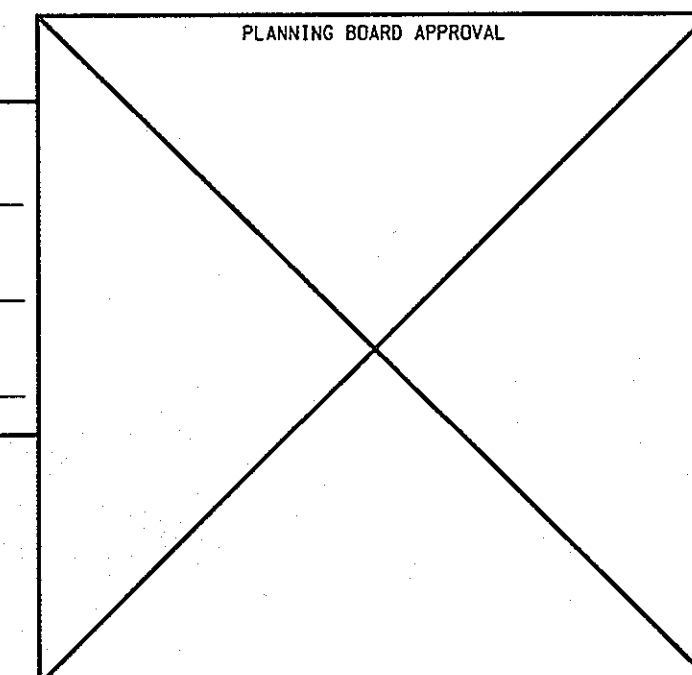
The bioretention facility may not be constructed until all contributing drainage area has been stabilized.

RELEASED FOR	
<input type="checkbox"/>	PRELIMINARY ONLY
<input type="checkbox"/>	BIDDING
<input checked="" type="checkbox"/>	PERMIT
<input type="checkbox"/>	CONSTRUCTION
DATE:	

SDP #01-80

10/1/13	2	160 # BUILDING ADDITION
3/23/01	1	REVISIONS PER COUNTY COMMENTS
DATE	NUMBER	REVISION DESCRIPTIONS
PERMIT INFORMATION CHART		
SUBDIVISION NAME	DORSEYS HALL	SECTION/AREA 2 / 4
PLAT#	8839	LOT/PARCEL NO. L-3/407
BLOCK#	4	ZONING SC
TAX MAP NO.	30	ELECT DISTRICT 2
CENSUS TRACT		6023.01
WATER CODE	F10	SEWER CODE 575000
ADDRESS CHART		
LOT/PARCEL #	L-3/407	STREET ADDRESS 4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042
TITLE: DORSEYS SEARCH VILLAGE CENTER COLUMBIA, MARYLAND 21044		
DEVELOPER: CONVENIENCE RETAILING, LLC		
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DATE: 03/12/01		
DRAWING NUMBER: CD04 OF 10		
CHECKED BY: TFW		
APPROVED:		

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 6/21/01
 CHIEF DEVELOPMENT ENGINEERING DIVISION
 [Signature] 7/3/01
 CHIEF DIVISION OF LAND DEVELOPMENT
 [Signature] 7/5/01
 DIRECTOR
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 [Signature] 6/29/01
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT



PROPERTY OF
HRD CORP.
ZONED: POR

FREDERICK WARD ASSOCIATES, INC.
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354
 ARCHITECTS Phone: 410-290-9550 Fax: 410-220-6226
 SURVEYORS Bel Air, Maryland Manassas, Virginia Warrenton, Virginia

5-22-01
DATE
 [Professional Seal: TIMOTHY F. WHITLIE, PROFESSIONAL ENGR., NO. 19155]
 [Signature]
 10/1/13
FOR REV # 2 ONLY

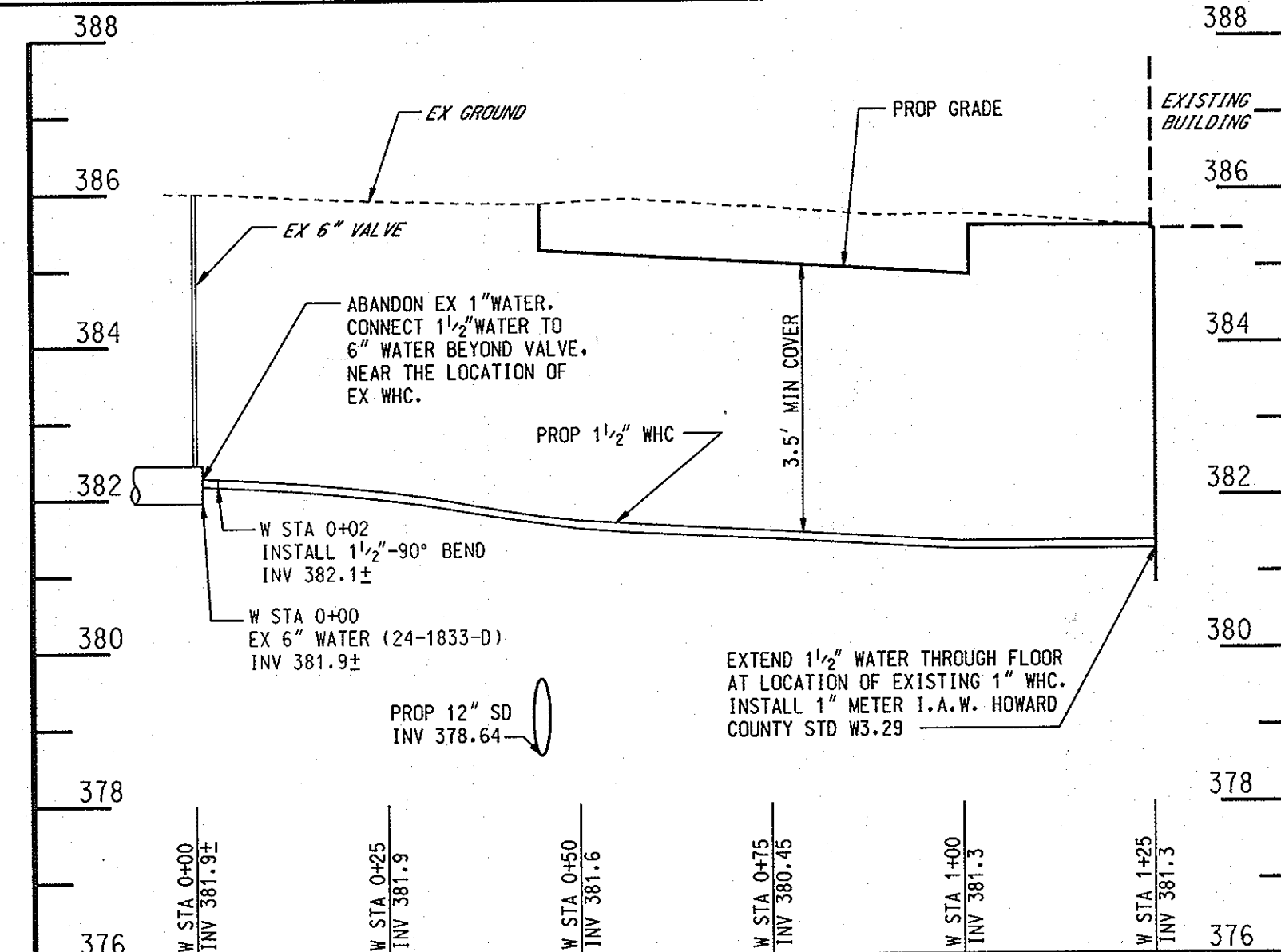
OWNER: DSVC LIMITED PARTNERSHIP
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044
 (301) 992-6084
 DEVELOPER: CONVENIENCE RETAILING, LLC
 10704 CLOVERBROOKE DRIVE
 POTOMAC, MD 20854
 ATTN: MR. RICHARD LEVITAN
 (301) 738-0292

UTILITY STRUCTURE SCHEDULE

NO.	DESCRIPTION	INV. IN	INV. OUT	TOP ELEV.
I-1	TYPE S COMBINATION INLET, HO. CO. STD 50-4.32	380.85	380.35	383.85
CO 1	6" SANITARY CLEANOUT - HO. CO. STD 5-2.22	380.50	-	384.00
CO 2	6" SANITARY CLEANOUT - HO. CO. STD 5-2.22	381.00	-	385.50
MH 1	SHALLOW MANHOLE - HO. CO. STD G-5.14	377.10	EX 375.42	383.52
MH 2	SHALLOW MANHOLE - HO. CO. STD G-5.12	378.45	378.20	384.82

GENERAL NOTES FOR WATER AND SEWER CONSTRUCTION

- SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROWN AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSUNK PLUGS.
- UTILITIES SHALL MAINTAIN A MINIMUM 12 INCH CLEARANCE WHEN CROSSING EXISTING AND PROPOSED UTILITIES ON AND OFF SITE, UNLESS APPROVED BY ENGINEER.
- WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
- WATER SERVICE SHALL BE TYPE 'K' SOFT ANNEALED COPPER TUBING. SANITARY SEWER PIPE SHALL BE SDR 35, OR APPROVED EQUAL.
- WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE MECHANICAL PLANS AND BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTION.
- ALL SANITARY SEWER CLEANOUTS TO BE 4" PIPE, AND INSTALLED IN ACCORDANCE WITH HOWARD COUNTY STD. 5-2.22.



PROFILE: WATER HOUSE CONNECTION

SCALE: 1" = 20' HORIZ
1" = 2' VERT

GENERAL NOTES FOR STORM DRAIN CONSTRUCTION

- MANHOLE LIDS AND INLET GRATES SHALL BE TRAFFIC BEARING AND BICYCLE SAFE.
- ALL MANHOLE LIDS, INLET GRATES, AND CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF EXISTING AND PROPOSED GRADES.
- ROOF DRAIN PIPE TO BE HDPE, OR PVC SCH. 40, UNLESS OTHERWISE NOTED.
- ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- INFORMATION IS UNAVAILABLE REGARDING THE LOCATION OF PRODUCT PIPING AND ON-SITE TELEPHONE, GAS, AND ELECTRIC.

GENERAL NOTES FOR UTILITY CONSTRUCTION

- INFORMATION CONCERNING THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES WAS TAKEN FROM RECORDS PROVIDED BY UTILITY COMPANIES, SDP 90-94 (SITE DEVELOPMENT PLANS FOR MOBIL OIL CORPORATION, APPROVED BY HOWARD COUNTY ON 5/18/1990, AND PREPARED BY MACRIS, HENDRICKS AND WITMER P.A.) AND FREDERICK WARD ASSOC., INC. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. FREDERICK WARD ASSOCIATES, INC. MAKES NO GUARANTEE AS TO THE COMPLETENESS OR ACCURACY OF UTILITIES AND THEIR LOCATION, SHOWN OR NOT SHOWN ON THESE DRAWINGS. SUCH INFORMATION PROVIDED ON THESE PLANS IS FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE CONTRACTOR SHALL VERIFY THE PRESENCE, ABSENCE, AND LOCATIONS OF ALL UTILITIES TO THEIR SATISFACTION, PRIOR TO ANY WORK UNDER THIS CONTRACT.
- THE CONTRACTOR IS TO NOTIFY MISS UTILITY AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION OR EXCAVATION. PHONE: 1-800-257-7777.
- PRIOR TO ANY CONSTRUCTION UNDER THIS CONTRACT, CONTRACTOR SHALL TEST PIT TO VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES WHERE UTILITY TIE-INS AND CROSSINGS WILL BE ENCOUNTERED. ANY DISCREPANCIES IN HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DRAWINGS, PARTICULARLY AT PROPOSED STORM DRAIN, SANITARY, AND WATER CONNECTIONS, SHALL BE IMMEDIATELY REPORTED TO FREDERICK WARD ASSOC., INC. PRIOR TO ANY CONTINUATION OF WORK UNDER THIS CONTRACT. THIS IS FOR THE PURPOSE OF IDENTIFYING ANY CONFLICTS WHICH MAY IMPACT THE PROPOSED DESIGN, AND RESOLUTION OF SAID CONFLICTS PRIOR TO THE CONTINUATION OF WORK.
- ANY EXISTING UTILITIES AND AMENITIES WHICH MAY BE DAMAGED DUE TO TEST PITTING AND UTILITY CONSTRUCTION SHALL BE REPAIRED IN KIND AT THE SOLE EXPENSE OF THE CONTRACTOR.
- ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED IN KIND AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
- ALL STORM DRAIN, WATER, AND SEWER UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- LOCATION OF GAS AND ELECTRIC SERVICE TO BUILDING TO BE COORDINATED WITH BGE BY CONTRACTOR.
- PROPOSED UTILITIES, TO BE LOCATED IN AREAS WHERE PROPOSED PLANTINGS ARE TO BE INSTALLED, SHALL BE WRAPPED WITH TYPAR BIOBARRIER, OR APPROVED EQUAL.

RELEASED FOR	
<input type="checkbox"/>	PRELIMINARY ONLY
<input type="checkbox"/>	BIDDING
<input checked="" type="checkbox"/>	PERMIT
<input type="checkbox"/>	CONSTRUCTION

SDP #01-80

DATE	NUMBER	REVISION DESCRIPTIONS
3/23/01	1	REVISIONS PER COUNTY COMMENTS
DATE	NUMBER	REVISION DESCRIPTIONS

PERMIT INFORMATION CHART		
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL NO.
DORSEYS HALL	2 / 4	L-3/407
PLAT#	BLOCK#	ZONING
8839	4	SC
TAX MAP NO.	ELECT. DISTR.	CENSUS TRACT
30	2	6023.01
WATER CODE	SEWER CODE	
F10	575000	

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
L-3/407	4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042

TITLE		
DORSEYS SEARCH VILLAGE CENTER		
COLUMBIA, MARYLAND 21044		
SITE UTILITY PLAN		

DESIGN BY: TFW	SCALE: 1" = 20'	PROJECT NO.: 99474.00
DRAWN BY: MIB/FWA	DATE: 03/12/01	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	CD05 OF 10

DORSEY HALL SECTION 2 - AREA 4 PARCEL L-2 PLAT #8839 ZONED: SC

DORSEY HALL SECTION 2 - AREA 4 PARCEL L-5 PLAT #8839 ZONED: POR

DORSEY HALL DRIVE (PUBLIC STREET: WIDTH VARIES) PLAT #8950

ACCESS DRIVE
*MINI USE IN COMMON SERVICE DRIVE AS RECORDED ON PLAT # 8839 9-1-98

ACCESS DRIVE
*MINI USE IN COMMON SERVICE DRIVE AS RECORDED ON PLAT # 8839 9-1-98

ZONING: POR
USE: BANK

ZONING: POR
USE: OFFICES

PROPERTY OF HRD CORP. ZONED: POR

DORSEY HALL SECTION 2 - AREA 4 PARCEL L-4 PLAT #8839 ZONED: POR

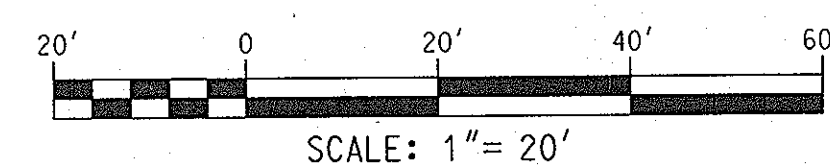
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION MIB 6/21/01
 CHIEF-DIVISION OF LAND DEVELOPMENT 7/9/01
 DIRECTOR 7/15/01
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 COUNTY HEALTH OFFICER 6/29/01
 HOWARD COUNTY HEALTH DEPARTMENT

FREDERICK WARD ASSOCIATES, INC.
 ENGINEERS ARCHITECTS SURVEYORS
 7125 Riverwood Drive Columbia, Maryland 21046-2354
 Phone: 410-290-4650 Fax: 410-720-6226
 Bel Air, Maryland Manassas, Virginia Warrenton, Virginia

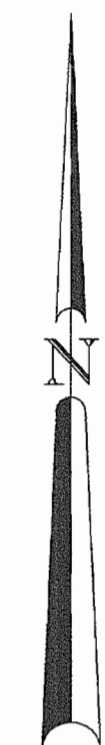
5-22-01 DATE
 TIMOTHY F. WHITTE
 PROFESSIONAL ENGR. NO. 19155

10/11/13
 FOR REV #2 ONLY

OWNER: D SVC LIMITED PARTNERSHIP
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044
 (301) 992-6084
 DEVELOPER: CONVENIENCE RETAILING, LLC
 10704 CLOVERBROOKE DRIVE
 POTOMAC, MD 20854
 ATTN: MR. RICHARD LEVITAN
 (301) 738-0292



FWA FILE NO: M/PROJECTS/99474/ENGR/CD05.DWG MIB 3/01



DORSEY HALL SECTION 2 - AREA 4
PARCEL L-2
PLAT #8839
ZONED: SC

DORSEY HALL DRIVE
(PUBLIC STREET; WIDTH VARIES)
PLAT #8839

ACCESS DRIVE
JOIN USE IN COMMON SERVICE DRIVE
AS RECORDED ON PLAT # 8839 9-15-89

UTILITY NOTE

- CONTRACTOR SHOULD OPEN THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWN SLOPE) THE TRENCH.
- PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
- ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.

SEQUENCE OF CONSTRUCTION

- OBTAIN HOWARD COUNTY GRADING PERMIT.
- NOTIFY HOWARD COUNTY AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.
- INSTALL SILT FENCE, SILT FENCE/ASPHALT PAVING, AND STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM AS INDICATED ON PLANS. (1 DAY)
- RELOCATE WASTE OIL TANK. REMOVE DRAIN-OFF TANK. (5 DAYS)
- RELOCATE SATELLITE DISHES, HVAC UNITS, AND HEATING OIL TANKS. (5 DAYS)
- PERFORM DEMOLITION WORK AS INDICATED ON THE DEMOLITION PLAN. (5 DAYS)
- ROUGH GRADE SITE. BIORETENTION FACILITY MAY BE EXCAVATED AT THIS TIME TO ALLOW FOR CONSTRUCTION OF I-1 AND BIORETENTION UNDERDRAIN. INSTALL SILT FENCE ABOVE BIORETENTION AREA. (2 DAYS)
- INSTALL MANHOLES AND STORM DRAIN SYSTEM FROM I-1 TO EXISTING STORM DRAIN. INSTALL STANDARD INLET PROTECTION ON I-1. (3 DAYS)
- INSTALL SITE UTILITIES. (10 DAYS)
- INSTALL CARWASH. (30 DAYS)
- INSTALL CURB AND GUTTER, SIDEWALK, BASE AND PAVING, AND OVERLAY. (10 DAYS)
- FINE GRADE SITE. INSTALL BIORETENTION FACILITY. INSTALL LANDSCAPING. (5 DAYS)
- REMOVE SEDIMENT CONTROL MEASURES AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.

NOTE: TIMES SHOWN ARE APPROXIMATE, AND FOR SEDIMENT CONTROL USE ONLY. THE SEQUENCE MAY BE MODIFIED AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, AND AS LONG AS THE INTENTION OF THIS PLAN IS NOT COMPROMISED. IT IS THE INTENTION OF THIS PLAN THAT CONSTRUCTION BE CARRIED OUT IN AN EXPEDITIOUS AND SAFE MANNER SUCH AS TO MINIMIZE DISRUPTION OF BUSINESS WHILE MAINTAINING PROPER SEDIMENT CONTROL MEASURES.

SITE ANALYSIS DATA

1. TOTAL SITE AREA:	64,033 SF = 1.47 AC±
2. TOTAL DISTURBED AREA:	18,320 SF = 0.42 AC±
3. TOTAL IMPERVIOUS AREA:	10,570 SF = 0.24 AC±
4. AREA TO BE VEGETATIVELY STABILIZED:	7,750 SF = 0.18 AC±
5. EARTH WORK:	
CUT	= 150 CY±
FILL	= 150 CY±
TOPSOIL	= 190 CY±

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

ESTIMATE OF SEDIMENT CONTROL QUANTITIES

SILT FENCE:	350 LF
SILT FENCE/ASPHALT PAVING:	165 LF
STABILIZED CONSTRUCTION ENTRANCE:	1 EA
INLET PROTECTION:	1 EA

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

LEGEND

- SF — SILT FENCE
- SF/AP — SILT FENCE/ASPHALT PAVING
- — LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE W/ MOUNTABLE BERM
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED ON-SITE ASPHALT
- PROPOSED CONCRETE PAVING
- STANDARD INLET PROTECTION
- SIP

RELEASED FOR	
<input type="checkbox"/>	PRELIMINARY ONLY
<input type="checkbox"/>	BIDDING
<input type="checkbox"/>	PERMIT
<input type="checkbox"/>	CONSTRUCTION
DATE:	

SDP #01-80

DATE	NUMBER	REVISIONS PER COUNTY COMMENTS	REVISION DESCRIPTIONS
3/23/01	1		

PERMIT INFORMATION CHART			
SUBDIVISION NAME	DORSEY HALL	SECTION/AREA	2 / 4
LOT/PARCEL NO.	L-3/407	LOT/PARCEL NO.	L-3/407
PLAT#	8839	BLOCK#	4
ZONING	SC&POR	TAX MAP NO.	30
ELECT. DISTR.	2	CENSUS TRACT	6023.01
WATER CODE	F10	SEWER CODE	575000

ADDRESS CHART	
LOT/PARCEL #	L-3/407
STREET ADDRESS	4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042

TITLE		
DORSEYS SEARCH VILLAGE CENTER COLUMBIA, MARYLAND 21044		
SEDIMENT AND EROSION CONTROL PLAN		
DESIGN BY: TFW	SCALE: 1" = 20'	PROJECT NO.: 99474.00
DRAWN BY: MJB/FWA	DATE: 03/12/01	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	CD06 OF 10

SDP-01-80

LIMIT OF DISTURBANCE

LIMIT OF DISTURBANCE

LIMIT OF DISTURBANCE

LIMIT OF DISTURBANCE

DORSEY HALL SECTION 2 - AREA 4
PARCEL L-5
PLAT #8839
ZONED: POR

LEGEND

- SF — SILT FENCE
- SF/AP — SILT FENCE/ASPHALT PAVING
- — LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE W/ MOUNTABLE BERM
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED ON-SITE ASPHALT
- PROPOSED CONCRETE PAVING
- STANDARD INLET PROTECTION
- SIP

RELEASED FOR	
<input type="checkbox"/>	PRELIMINARY ONLY
<input type="checkbox"/>	BIDDING
<input type="checkbox"/>	PERMIT
<input type="checkbox"/>	CONSTRUCTION
DATE:	

SDP #01-80

DATE	NUMBER	REVISIONS PER COUNTY COMMENTS	REVISION DESCRIPTIONS
3/23/01	1		

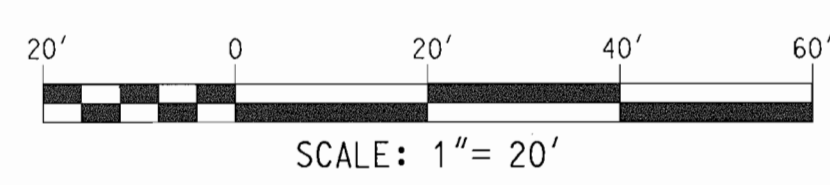
PERMIT INFORMATION CHART			
SUBDIVISION NAME	DORSEY HALL	SECTION/AREA	2 / 4
LOT/PARCEL NO.	L-3/407	LOT/PARCEL NO.	L-3/407
PLAT#	8839	BLOCK#	4
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DORSEYS SEARCH VILLAGE CENTER COLUMBIA, MARYLAND 21044		
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DRAWN BY: MJB/FWA	DATE: 03/12/01	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	CD06 OF 10

SDP-01-80

NOTE: PROPOSED LOCATION OF STABILIZED CONSTRUCTION ENTRANCE IS RECOMMENDED. THE LOCATION MAY BE MODIFIED AS THE CONTRACTOR SEES FIT, AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.



THIS PLAN IS FOR SEDIMENT CONTROL USE ONLY

OWNER	DSVC LIMITED PARTNERSHIP 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MD 21044 (301) 992-6084
DEVELOPER	CONVENIENCE, RETAILING, LLC 10704 CLOVERBROOKE DRIVE POTOMAC, MD 20854 ATTN: MR. RICHARD LEVITAN (301) 738-0292

5-22-01
DATE

TIMOTHY F. WHITTLE
PROFESSIONAL ENGR. NO. 19155

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 Manassas, Virginia Warren, Virginia

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Timothy F. Whittle
SIGNATURE OF ENGINEER
TIMOTHY F. WHITTLE, P.E.
5-22-01
DATE

BY THE DEVELOPER:
I 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.
Richard J. Lewis
SIGNATURE OF DEVELOPER
5/23/01
DATE

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.
Jim Meyers
USDA-NATURAL RESOURCES CONSERVATION SERVICE
6/14/01
DATE

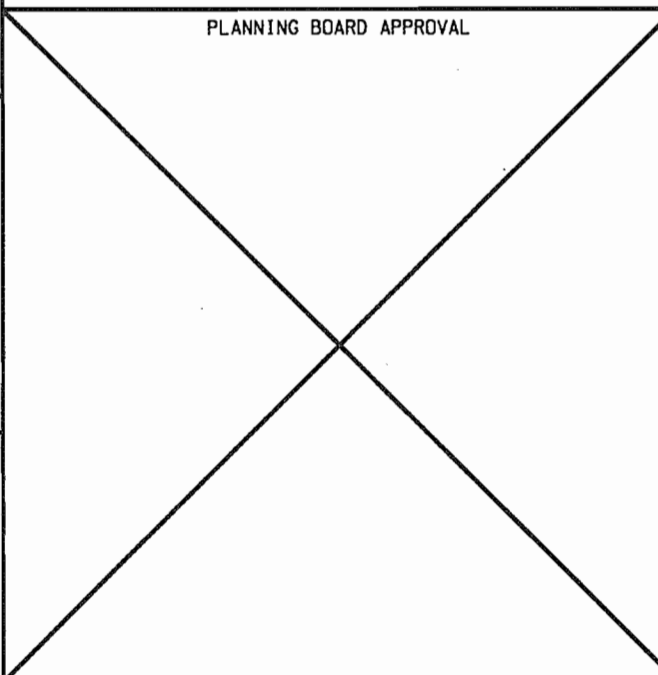
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John Robertson
HOWARD S.C.D.
6/14/01
DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
Wanda Hamada
7/2/01
DATE

CHIEF-DIVISION OF LAND DEVELOPMENT
Wanda Hamada
7/2/01
DATE

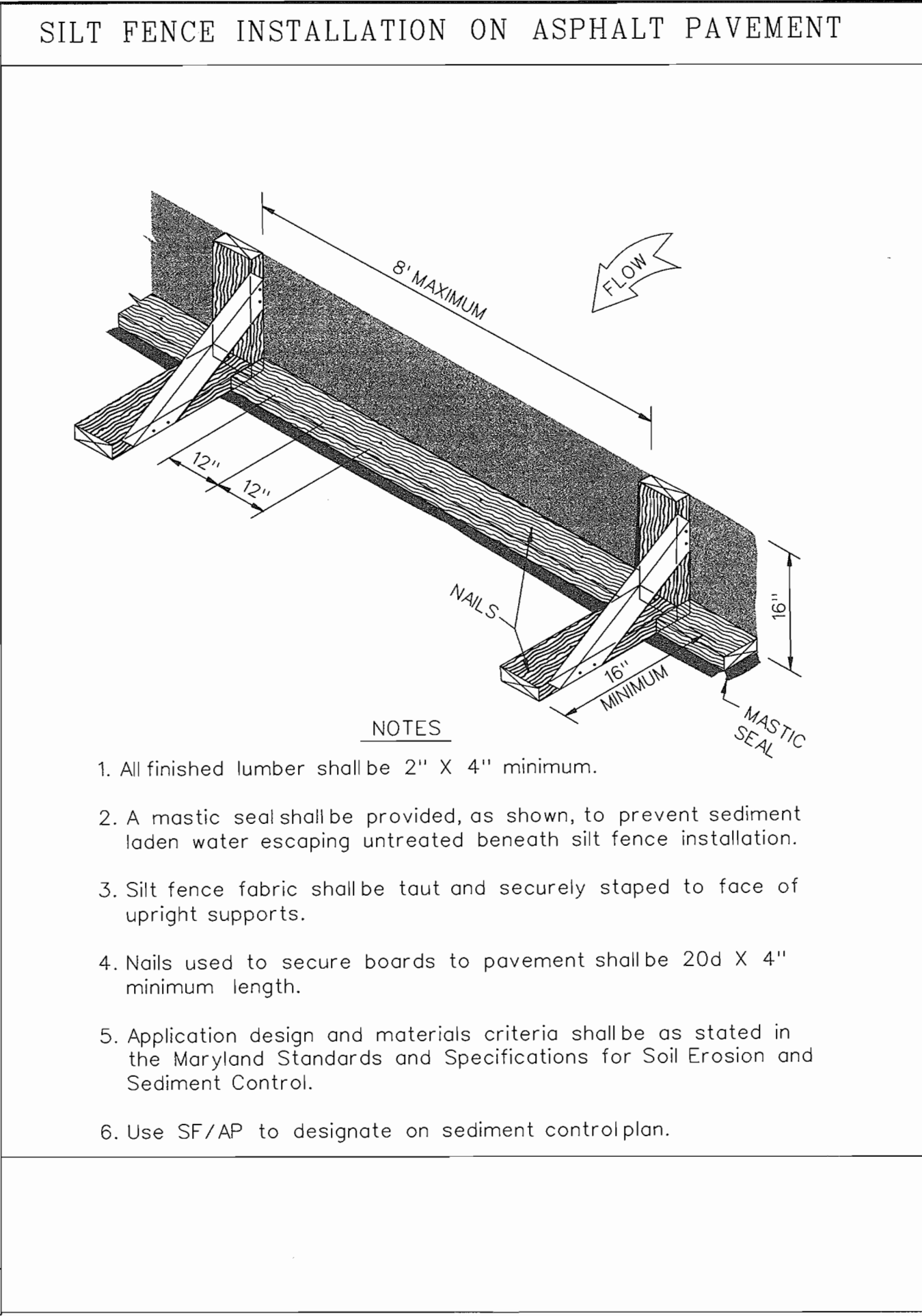
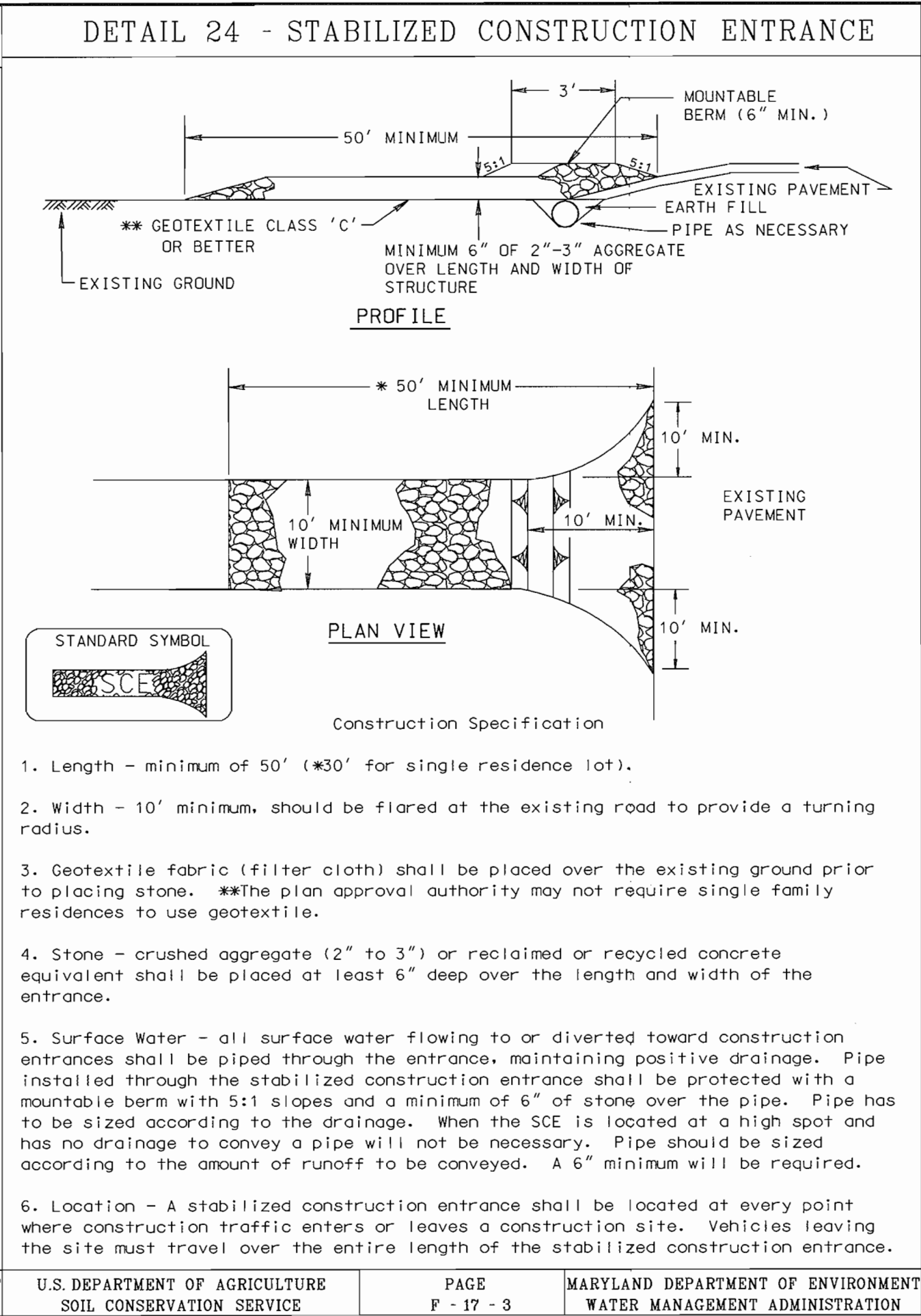
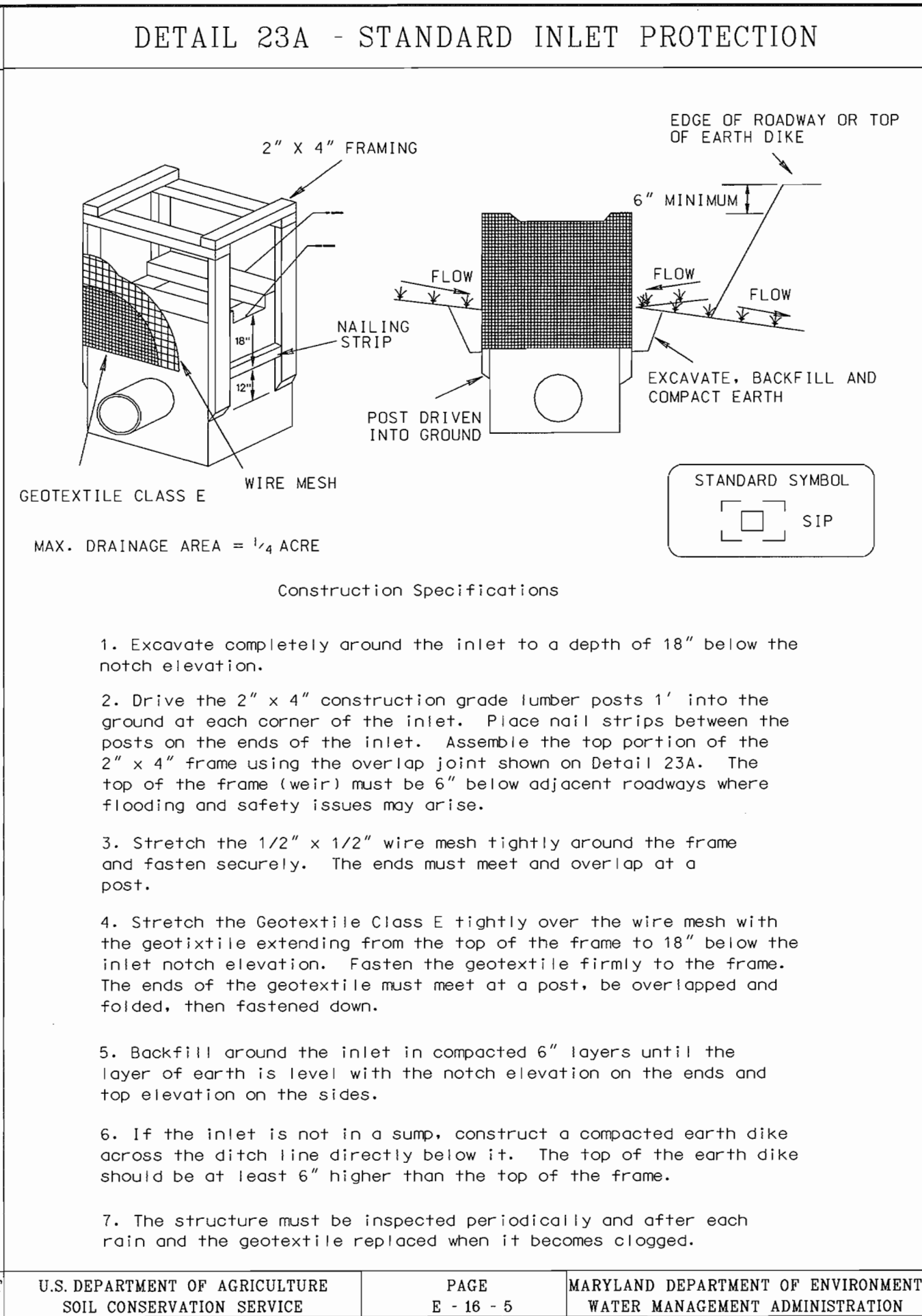
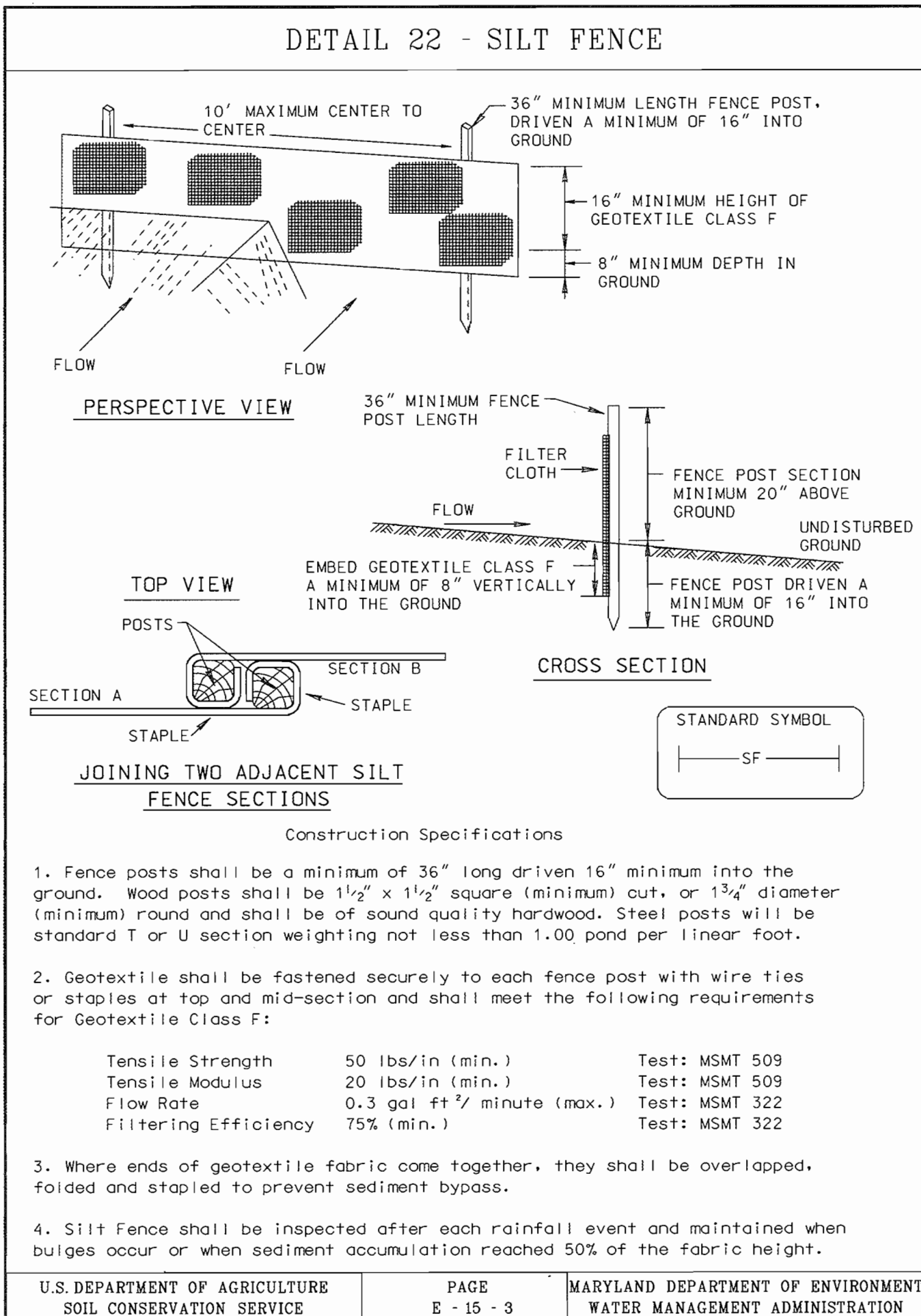
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
Doreen Matuzajek, M.D.
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT
6/29/01
DATE

PLANNING BOARD APPROVAL



PROPERTY OF
HRD CORP.
ZONED: POR

FWA FILE NO.: M/PROJECTS/99474/ENGR/CD06.DGN MIB 37/01



TOPSOIL 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.

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 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 1/2" IN DIAMETER.

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

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 SQ. FT.) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

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.

GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.

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 OF WATER POCKETS.

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 MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

THESE TOPSOIL SPECIFICATIONS HAVE BEEN EDITED FROM THE 1994 EROSION AND SEDIMENT CONTROL STANDARDS TO FIT THIS PROJECT. IT IS STILL THE INTENTION TO FOLLOW THE REFERENCED 1994 EROSION AND SEDIMENT CONTROL STANDARDS IN THEIR ENTIRETY.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE B - 16 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE B - 16 - 5	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE P - 17 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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STANDARDS AND SPECIFICATIONS FOR STABILIZATION WITH SOD

- CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 1/4" INCH, PLUS OR MINUS 1/8" INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
- INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- SOD SHALL BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
- SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

SITE PREPARATION

FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED BY SOIL TEST. UNDER USUAL CIRCUMSTANCES WHERE THERE IS INSUFFICIENT TIME FOR A COMPLETE SOIL TEST, FERTILIZER AND LIME MATERIALS MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.

A. PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.

B. WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1,000 SQUARE FEET IN ALL SOILS; 1000 POUNDS PER ACRE OR 25 POUNDS PER 1000 SQUARE FEET OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.

C. ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED, HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD.

SOD INSTALLATION

A. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE THE SOIL SHALL BE LIGHTLY IRRIGATED IMMEDIATELY PRIOR TO LAYING THE SOD.

B. THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY WEDGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. INSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE AIR-DRYING OF THE ROOTS.

C. ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERED JOINTS. SECURE THE SOD BY TAMPING AND PEGGING OR OTHER APPROVED METHODS.

D. AS SODDING IS COMPLETED IN ANY ONE SECTION, THE ENTIRE AREA SHALL BE ROLLED OR TAMPED TO INSURE SOLID CONTACT OF ROOTS WITH THE SOIL SURFACE. SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN EIGHT HOURS.

SOD MAINTENANCE

A. IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHALL BE PERFORMED DAILY OR AS OFTEN AS NECESSARY DURING THE FIRST WEEK AND IN SUFFICIENT QUANTITIES TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATERING SHOULD BE DONE DURING THE HEAT OF THE DAY TO PREVENT WILTING.

B. AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND INSURE ESTABLISHMENT.

C. FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF SHALL BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED.

D. MAINTENANCE OF ESTABLISHED SOD SHOULD FOLLOW SPECIFICATIONS OUTLINED IN TABLE 54-1.

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION, PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855)
- ALL VEGETATIVE 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 REVISING THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7 OF THE "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 (SEE G) TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	= 1.47 ACRES±
AREA DISTURBED	= 0.42 ACRES±
AREA TO BE ROOFED OR PAVED	= 0.24 ACRES±
AREA TO BE VEGETATIVELY STABILIZED	= 0.18 ACRES±
TOTAL CUT	= 150 CUBIC YARDS±
TOTAL FILL	= 150 CUBIC YARDS±
TOTAL TOPSOIL	= 190 CUBIC YARDS±
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED OR THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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.
- 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.

TEMPORARY SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RACKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED)
- SOILS AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ FT)
- SEEDING: FOR PERIODS MARCH 1ST THROUGH APRIL 30TH AND FROM AUGUST 15TH THROUGH NOVEMBER 15TH, SEED WITH 2 1/2 BU. PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ FT). FOR THE PERIOD MAY 1ST THROUGH AUGUST 14TH, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (1.07 LBS./1000 SQ FT). FOR THE PERIOD NOVEMBER 16TH THROUGH FEBRUARY 28TH, 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 (70-90 LBS./1000 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALS. PER ACRE (5 FT GALS./1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT OR HIGHER, USE 348 GALS. PER ACRE (8 GALS./1000 SQ FT) FOR ANCHORING.

PERMANENT SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RACKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).
- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 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 TIME OF SEEDING, APPLY 400 LBS. PER ACRE 3-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ FT)
 - ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ FT) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23./1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOILS.
- SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ FT) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH 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 THROUGH FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (2) USE SOD; OPTION (3) SEED WITH 60 LBS ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREA, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ FT) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

BY THE ENGINEER:

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

Timothy F. Whittle 5-22-01
SIGNATURE OF ENGINEER DATE
TIMOTHY F. WHITTLE, P.E.

BY THE DEVELOPER:

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

Richard L. Heuts 5/23/01
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.

Jim M. Evans 6/15/01
USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John K. Chute 6/15/01
HOWARD S.C.D. DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad... 6/6/01
CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE

Condy... 7/3/01
CHIEF-DIVISION OF LAND DEVELOPMENT DATE

... 7/5/01
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

Dave J. Matysyak 6/29/01
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

PLANNING BOARD APPROVAL

[Signature]

FREDERICK WARD ASSOCIATES, INC.

ENGINEERS ARCHITECTS SURVEYORS

7125 Riverwood Drive - Columbia, Maryland 21046-2354
Phone: 410-290-9550 Fax: 410-720-6226
Bel Air, Maryland Manassas, Virginia Warrenton, Virginia

5-22-01 DATE

Timothy F. Whittle
TIMOTHY F. WHITTLE
PROFESSIONAL ENGR. NO. 19155

OWNER: DSVC LIMITED PARTNERSHIP
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
(301) 992-6084

DEVELOPER: CONVENIENCE RETAILING, LLC
10704 CLOVERBROOKE DRIVE
POTOMAC, MD 20854
ATTN: MR. RICHARD LEVITAN
(301) 738-0292

SDP #01-80

DATE	NUMBER	REVISION DESCRIPTIONS
PERMIT INFORMATION CHART		
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL NO.
DORSEYS HALL	2 / 4	L-3/407
PLAT#	BLOCK#	ZONING
8839	4	SCAPOR
TAX MAP NO.	ELECT DISTR	CENSUS TRACT
30	2	6023.01
WATER CODE	SEWER CODE	
F10		575000
ADDRESS CHART		
LOT/PARCEL #	STREET ADDRESS	
L-3/407	4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042	
TITLE		
DORSEYS SEARCH VILLAGE CENTER COLUMBIA, MARYLAND 21044		
SEDIMENT AND EROSION CONTROL NOTES & DETAILS		
DESIGN BY: TFW	SCALE: 1" = 20'	PROJECT NO.: 99474.00
DRAWN BY: MIB/FWA	DATE: 03/12/01	DRAWING NUMBER
		CD07 OF 10
CHECKED BY: TFW	APPROVED:	

SDP-01-80

LANDSCAPE PLANTINGS				
SYMBOL	QUANTITY	BOTANICAL/COMMON NAME	SIZE	REMARKS
	17	ILEX X 'NELLIE R STEVENS' NELLIE STEVENS HOLLY	5 - 6' HT	B & B FULL
	9	ILEX X ATTENUATA 'FOSTERI' FOSTER HOLLIES	5 - 6' HT	B & B FULL
	64	TAXUS X MEDIA 'HATFIELDII' HATFIELD YEW	30-36" HT 30-36" SPREAD	B & B FULL
	2	VIBURNUM PLICATUM VAR TOMENTOSUM DOUBLE FILE VIBURNUM	3-4' HT 3-4' CANES	B & B FULL 4' O/C

- AREAS TO BE TOP DRESSED
- PRIOR TO ALL SOIL PREPARATION WORK, ALL CONSTRUCTION AND PLANTING IN THE AREA SHALL HAVE BEEN COMPLETED.
 - CLEARING: PRIOR TO APPLICATION OF TOP DRESS MATERIAL, THE GROUND SURFACE SHALL BE WELL DRAINED AND CLEAR OF ALL DEBRIS OR ANY OTHER MATERIAL WHICH MAY HINDER THE PROPER APPLICATION OF SUBSEQUENT MAINTENANCE OPERATIONS.
 - PRECAUTIONS: DO NOT WORK SOIL WHILE FROZEN OR WET. DO NOT WORK SOIL IN A DUSTY CONDITION, BUT MOISTEN TO PREVENT A DUST NUISANCE.
 - AERATE ALL THE TOP DRESSED AREAS, USING A CORE REMOVING AERATOR.
 - ANY BARE AREAS LARGER THAN 1 SQ. FT. SHOULD BE RESTORED TO FINISHED GRADE WITH SCREENED COMPOSTED SLUDGE OR FINE GRADE TOPSOIL (SUBMIT SAMPLE FOR APPROVAL). USE EQUIPMENT AND METHODS COMMON TO SUCH WORK AND TILL SOIL TO THOROUGHLY INCORPORATE THE SCREENED COMPOSTED SLUDGE INTO EXISTING SOIL.
 - SCREENED COMPOSTED SLUDGE: UNIFORMLY APPLY SCREENED COMPOSTED SLUDGE OVER AREAS TO BE TOP DRESSED AT THE RATE OF 1 CUBIC YARD PER 1000 SQ. FT. NO COMPOSTED SLUDGE WHICH IS SO WET THAT IT WILL CLUD OR CAKE SHALL BE SPREAD.
 - FERTILIZER: FOLLOWING THE AERATION PROCESS, APPLY A STARTER FERTILIZER UNIFORMLY AT THE RATE OF 1 LB/1000 SQ. FT. IN THE TOP 2 INCHES OF SOIL BY CROSS DISKING OR OTHER APPROPRIATE METHOD.
 - SOW SEED ONLY AFTER THE SCREENED SOIL AMENDMENT AND FERTILIZER HAVE BEEN APPLIED AND THOROUGHLY SETTLED BY RAINFALL OR WATERING. COVERED LAW AREAS SHOULD BE AT A RATE OF 2 LBS/1000 SQ. FT. SEED WITH EQUIPMENT THAT PROVIDES A MULTI-DIRECTIONAL SEEDING PATTERN TO ENSURE PROPER SEEDING RATE AND UNIFORMITY OF SEEDING.
 - MULCHING: AFTER SEEDING, COVER BARE AREAS THAT HAVE BEEN REPAIRED WITH CLEAN WHEAT STRAW. A MINIMUM OF 50% OF THE SOIL SURFACE SHALL BE COVERED UNTIL GERMINATION HAS OCCURRED.

- GENERAL PLANTING NOTES
- ALL PLANT MATERIAL SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE "USA STANDARD FOR NURSERY STOCK," LATEST EDITION.
 - ALL PLANTING SHALL BE IN ACCORDANCE WITH STANDARD AMERICAN ASSOCIATION OF NURSERYMEN PROCEDURES AND SPECIFICATIONS.
 - CONTRACTOR AND OWNER'S REPRESENTATIVE SHALL VERIFY THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO INSTALLATION OF ANY PLANT MATERIALS.
 - PLANT MATERIAL LOCATION TO BE STAKED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
 - ALL PLANT BEDS AND PLANTING AREAS TO BE MULCHED TO A DEPTH OF 3" SHREDDED HARDWOOD BARK UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS.
 - ALL AREAS DISTURBED BY PLANTING OPERATIONS SHALL BE FINE GRADED AND SEEDED.
 - OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE BEFORE MAKING ANY SUBSTITUTIONS OR CHANGES.
 - ALL PLANT BEDS SHALL BE CONTAINED WITH A SPADED EDGE UNLESS OTHERWISE NOTED ON DRAWINGS.
 - QUANTITIES SHOWN ON PLANT LIST ARE FOR THE CONTRACTORS CONVENIENCE ONLY AND ARE NOT GUARANTEED TO BE ACCURATE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLAN AND QUANTITIES SHOWN ON THE PLANT LIST, THE QUANTITIES ON THE PLAN SHALL APPLY.
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
 - GENERAL CONTRACTOR IS TO PROVIDE ALL MATERIALS AND LABOR, INCLUDING PLANTS, PLANTER FILL MATERIALS, MULCHES, SOIL PREPARATION, DECORATIVE ITEMS, INSPECTION, TRANSPORTATION, WARRANTY, ETC.
 - TOPSOIL TO A DEPTH OF 4" IN ALL AREAS TO BE SEEDED OR SODDED.
 - EACH PLANTING BED AREA IS TO RECEIVE A MINIMUM OF 6" OF PREPARED SOIL CULTIVATED TO A 12" DEPTH. PREPARED SOIL SHALL BE MIXED AS FOLLOWS: 2/3 SANDY LOAM TOPSOIL, FREE OF ROOTS, ROCKS, NAILS, AND OTHER DEBRIS AND 1/3 PEAT MOSS OR APPROVED ORGANIC MULCH.
 - SOIL ADDITIVES TO BE GRANULAR FERTILIZER OF 1:2:1 RATIO. SOIL OUTSIDE RANGE OF 5.0 - 7.0 PH SHALL BE TREATED APPROPRIATELY TO CORRECT FOR HIGH ALKALINITY OR ACIDITY.
 - THE USE OF ON-SITE TOPSOIL MUST BE APPROVED IN ADVANCE BY LANDSCAPE ARCHITECT.
 - ALL BEDS TO BE TREATED WITH GRANULAR PREEMERGENT WEED CONTROL PER MANUFACTURER'S SPECIFICATIONS. LANDSCAPE FABRIC TO BE INSTALLED BENEATH MULCH IN ALL PLANTING BEDS EXCLUDING GRASS-COVERED AND PERENNIAL AREAS. USE TREPLAN OR EQUAL AS APPROVED BY LANDSCAPE ARCHITECT.
 - SODDED AND SEEDED AREAS SHALL BE PROPERLY PREPARED. FINISH GRADED AND HAND ROLLED PRIOR TO SOD PLACEMENT OR SEEDING. SEEDED AREAS SHALL BE RE-SEEDED AS NECESSARY TO PROVIDE AN EVEN STAND OF GRASS.
 - PROVIDE A WARRANTY ON ALL WORK FOR A MINIMUM OF ONE YEAR INCLUDING ONE CONTINUOUS GROWING SEASON. COMMENCE WARRANTY ON THE DATE IDENTIFIED IN THE CERTIFICATE OF SUBSTANTIAL COMPLETION. WARRANTY TO INCLUDE COVERAGE OF PLANTS FROM DEATH OR UNHEALTHY CONDITIONS. REPLACEMENT PLANTS SHALL BE THE SAME SIZE AND SPECIES AS SPECIFIED, PLANTED IN THE NEXT GROWING SEASON WITH A NEW WARRANTY COMMENCING WITH THE DATE OF THE REPLACEMENT.
 - MAINTAIN PLANT LIFE IMMEDIATELY AFTER PLACEMENT AND CONTINUE MAINTENANCE UNTIL TERMINATION OF WARRANTY. MAINTENANCE TO INCLUDE WEEDING, APPLICATIONS OF PESTICIDES, WATERING, TRIMMING AND PRUNING, DISEASE CONTROL, AND MAINTENANCE OF PLANT BRACING EQUIPMENT.

DORSEY HALL
SECTION 2 - AREA 4
PARCEL L-2
L/P 89-171
ZONED: SC

ACCESS DRIVE
ADJUNCT USE IN COMMON SERVICE DRIVE
AS REQUIRED ON PLAT # 8939 9-15-89

ZONING: POR
USE: BANK

SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING

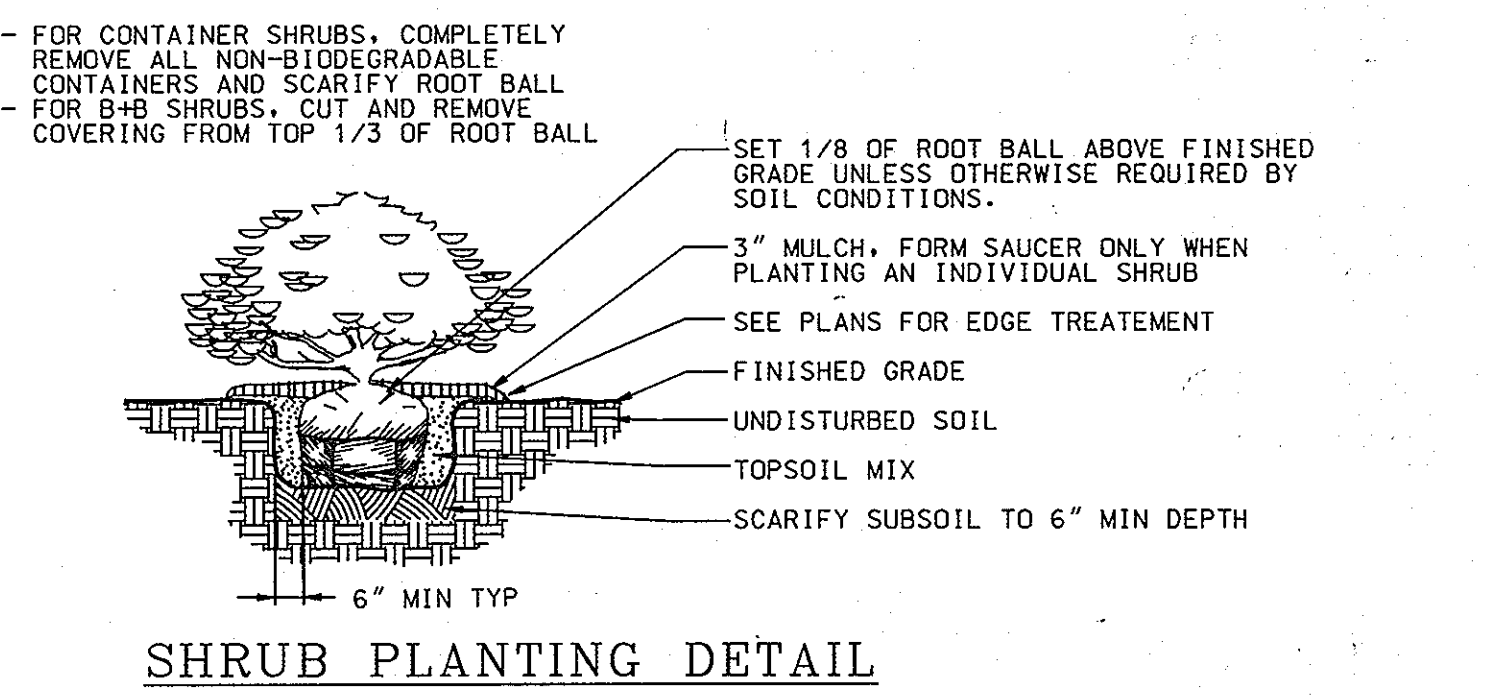
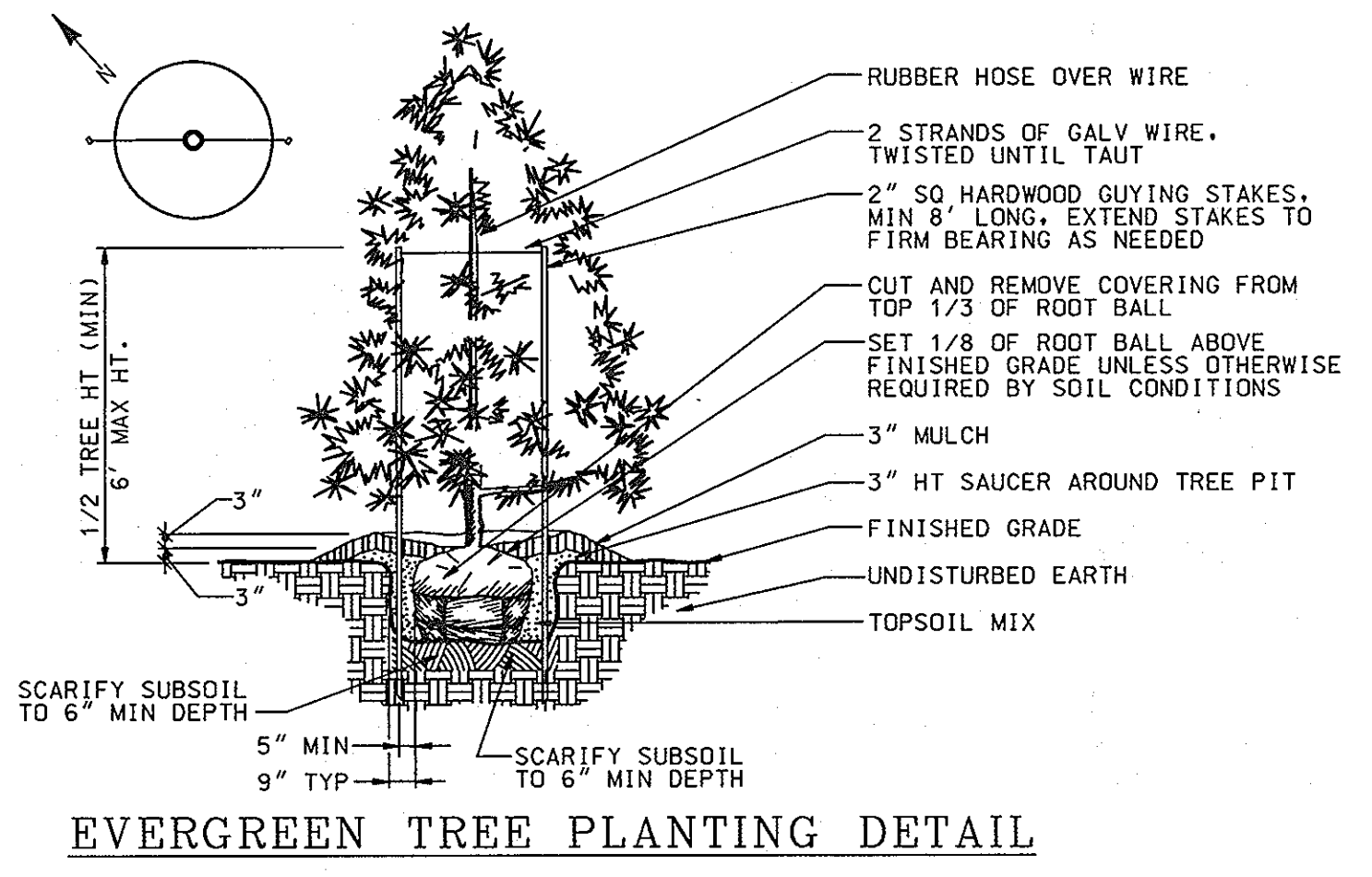
No. OF PARKING SPACES	REQUIRED	PROVIDED
2	1 SHADE TREE PER 20 SPACES = 1 SHADE TREE OR 2 EVERGREEN TREES	5 EVERGREEN TREES

FREDERICK WARD ASSOCIATES, INC.
ENGINEERS
7125 Riverwood Drive Columbia, Maryland 21046-2354
Phone: 410-290-8550 Fax: 410-720-8228
Bel Air, Maryland Manassas, Virginia Warren, Virginia

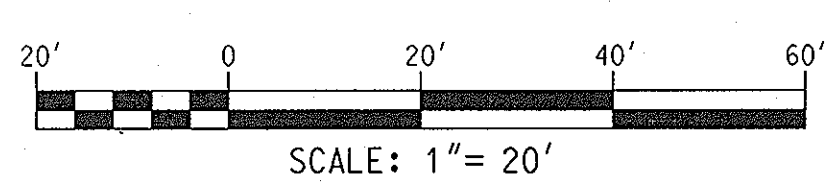
5-22-01
DATE
TIMOTHY F. WHITTE
PROFESSIONAL ENGR. NO. 19155

BIORETENTION AREA				
SYMBOL	QUANTITY	BOTANICAL/COMMON NAME	SIZE	REMARKS
	2	BETULA NIGRA RIVER BIRCH	7 - 8' HT	B & B FULL 15' O/C
	40	HYPERICUM DENSIFLORUM ST JOHN'S WORT	18-24" HT 18-24" SPD	CONT FULL 2' O/C
	80	PHALANS ARUNDINACEA RIBBON GRASS	1 GAL	CONT FULL 12" O/C

SCHEDULE A PERIMETER LANDSCAPE EDGE					
LAND USE	YARD	LANDSCAPE TYPE	LENGTH, FT	REQUIRED	PROVIDED
NON-RESIDENTIAL	REAR	0	240	1 SHADE TREE PER 60 LF = 4 SHADE TREES 1 EVERGREEN TREE PER 10 LF = 24 EVERGREEN TREES	6 EX SHADE TREES 26 EVERGREEN TREES



- NOTE:
- EXISTING SHADE TREES TO THE REAR OF THE PROPOSED CARWASH LABELED EXISTING TO REMAIN MUST BE REPLACED WITH SAME OR SIMILAR TREES IF THE TREES ARE DAMAGED AND/OR REMOVED DURING GRADING AND CONSTRUCTION.
 - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING, HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$3,600.00.
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.



FOR LANDSCAPE PURPOSES ONLY

OWNER
D SVC LIMITED PARTNERSHIP
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
(301) 992-6084

DEVELOPER
CONVENIENCE RETAILING, LLC
10704 CLOVERBROOKE DRIVE
POTOMAC, MD 20854
ATTN: MR. RICHARD LEVITAN
(301) 738-0292

APPROVED: DEPARTMENT OF PLANNING AND ZONING
6/21/01
DATE
6/29/01
DATE

SDP #01-80

10/11/13	2	1608 BUILDING ADDITION
3/23/01	1	REVISIONS PER COUNTY COMMENTS
DATE	NUMBER	REVISION DESCRIPTIONS
PERMIT INFORMATION CHART		
SUBDIVISION NAME DORSEYS HALL	SECTION/AREA 2 / 4	LOT/PARCEL NO. L-3/407
PLAT# 8839	BLOCK# 4	ZONING SC
TAX MAP NO. 30	ELECT DISTRICT 2	CENSUS TRACT 6023.01
WATER CODE F10	SEWER CODE 575000	
ADDRESS CHART		
LOT/PARCEL # L-3/407	STREET ADDRESS 4755 DORSEY HALL DRIVE, ELLICOTT CITY, MD 21042	
TITLE DORSEYS SEARCH VILLAGE CENTER COLUMBIA, MARYLAND 21044 SITE LANDSCAPE PLAN		
DESIGN BY: TFW	SCALE: 1" = 20'	PROJECT NO.: 99474.00
DRAWN BY: MIB/FWA	DATE: 03/12/01	DRAWING NUMBER CD09 OF 10
CHECKED BY: TFW	APPROVED:	

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DATE:

