SHEET INDEX

SITE DEVELOPMENT PLAN

2 GRADING, SEDIMENT CONTROL PLAN, DRAINAGE AREA MAP 3 PROFILES AND DETAIL SHEET

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- 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
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- 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 PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY PHR+A DATED 07/28/06.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 43EA AND 43HB WERE USED FOR THIS PROJECT.
- WATER IS PUBLIC, CONTRACT NO. 792 W
- SEWER IS PUBLIC, SEWER DRAINAGE AREA: DORSEY CONTRACT NO. 612 S
- MICRO-BIORETENTION FACILITY PROVIDED FOR AUTO REPAIR BUILDING.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION
- 12. NO 100- YEAR FLOODPLAIN STUDY WAS REQUIRED FOR THIS PROJECT
- NO WETLANDS ARE VISIBLE ON THE SITE.
- REF TRAFFIC STUDY TRIP GENERATION LETTER, THE TRAFFIC GROUP (06/29/17)
- NO NOISE STUDY FOR THIS PROJECT IS REQUIRED.
- REF GEOTECHNICAL STUDY SUBSURFACE EXPLORATION, HILLIS CARNES (07/20/17).
- THE BOUNDARY FOR THIS PROJECT IS BASED ON PLAT # 19641, ENVIRONMENTAL DESIGN AND RESOURCE CENTER, LLC.
- SUBJECT PROPERTY ZONED M-2 PER 10/16/13 COMPREHENSIVE ZONING PLAN.
- ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S: BA-98-28V, ZV-87-54, BA CASE 93-38N, SDP-93-67, F-07-063.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT 23.
- EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6"
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4,
- VOLUME I OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERTO ELEVATIONS
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A
- MINIMUM OF 95% COMPACTION OF AASHTO T180. BA-98-28V FOR A VARIANCE FROM REQUIREMENTS OF SECTION 130.B.2 TO REDUCE THE A SHED. ALSO SOUGHT WAS A REDUCTION FROM 30 FEET TO 5 FEET FOR PARKING AND THE DECISION AND ORDER DATED NOVEMBER 10, 1998 GRANTED BOTH VARIANCE
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE BUILDERS GRADING PERMIT IN THE AMOUNT OF 11.740.00 FOR THE REQUIRED 4 SHADE TREES AND 18 SHRUBS
- PER DPZ POLICY DATED DECEMBER 1, 2015, THE NET TRACT AREA FOR THIS PROJECT 15 PERMITTED TO BE BASED UPON THE PREVIOUSLY UNDISTURBED AREA OF 0.06 ACRES. THIS RESULTS IN AN OVERALL OBLIGATION OF 0.03 ACRES, SINCE THE AREA OF OBLIGATION IS LESS THAN 0.1 ACRES, NO FEE-IN-LIEU IS REQUIRED. PROPOSED OUTDOOR LIGHTING 15 TO BE IN ACCORDANCE WITH ZONING SECTION 134.
- FULL CUT-OFF FIXTURES WILL BE USED.

SCHEDULE B - PARKING LOT INTERNAL LANDSCI	APING
PARKING LOT	1
NUMBER OF PARKING SPACES	31.
NUMBER OF SHADE TREES REQUIRED (1/20 SPACES)	2
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	
NUMBER OF ISLANDS PROVIDED	2

SCHEDULE A - PERIMETER LANDSCAPE EDGE ADJACENT TO ROADWAYS ±25 | ±120'

PERIMETER LANDSCAPE TYPE INEAR FEET OF ROADWAY FRONTAGE/ PERIMETER CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) NO (DESCRIBE BELOW IF NEEDED, CREDIT FOR DRIVE AISLE LINEAR FEET REMAINING ±70' ±25 ' NUMBER OF PLANTS REQUIRED 1:40 2 SHADE TREES EVERGREEN TREES 1:4 18 SHRUBS NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES N/A

SCHEDULE 'A' NOTES:

FLOWERING TREES

* CREDIT TAKEN FOR EXISTING VEGETATION

SITE DEVELOPMENT PLAN

ENVIRONMENTAL DESIGN RESOURCE CENTER PARCEL'A'

WATERLOO ROAD, MD.RT.175



SEE SHEET 4 FOR PLAN REVISIONS

LELAND TRUTT, et.al.

246 / 277

ZONED W-2

TAX MAP 43

EX.2-STORY

FRAME

GENERAL NOTES CONTINUED ZV-87-54: ZONING VIOLATIONS - MADE IMPROVEMENTS ON PROPERTY WITHOUT A SITE DEVELOPMENT PLAN. BA-93-38N: CONFIRMATION OF A NONCONFORMING USE (SECTION 129) FOR THE PARKING AND THE LOADING, UNLOADING AND STORAGE OF INDUSTRIAL WAREHOUSE BUILDING MATERIALS WITHIN THE REQUIRED 50' SETBACK FROM A PUBLIC STREET RIGHT-OF-WAY [SECTION 123(D)(2)(a)(1)] CASE WAS DENIED ON NOVEMBER 17, 1995. PETITION WAS WITHDRAWN ON NOVEMBER 27, 1995. SDP-93-67 : FOR AS-BUILT CONDITION

N 543100

NO RECORD OF SDP BEING SIGNED/APPROVED.

DEVELOPER'S/BUILDER'S CERTIFICATE

DEPARTMENT OF FLANNING AND ZONING.

DEVELOPER

 ${\sf I/WE}$ 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 CERTIFICATION OF LANDSCAPE INSTALLATION. ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANTI MATERIALS, MILL BE SUBMITTED TO THE

> NOTE &" WATER MAIN, " AND 6"TAPS WITHIN PUBLIC WATER AND UTILITY EASEMENT TO BE

CONSTRUCTED BY ON-SITE

AGREEMENT WITH COUNTY.

CONTRACTOR UNDER ADO

NOTE: G" WATER WITHIN ND ROUTE 175 RIGHT OF WAY TO BE CONSTRUCTED UNDER ADO AGREEMENT BY HOWARD COUNTY.

> NOTE: LIMIT OF DISTURBANCE FOR REVISION#1 15 4,400 S.F. WHEN THE CUMULATIVE LIMIT OF DISTURBANCE EXCEED 5,000 S.F. STORWATER MANAGEMENT SHALL BE REQUIRED IN ACCORDANCE WITH THE DESIGN REQUIREMENTS AT THAT TIME. SUBSEQUENT PHASES FOR THIS PROJECT WILL ADDRESS THE CURRENT COUNTY SWILL REQUIREMENTS.

TURF GRASSES+PERENNIALS WP-03-109 - A REQUEST TO WAIVE SECTION 16.156 (m)(2)
TO REACTIVATE SOP-01-38 AND SECTION 16.156 (m)(1)(1) TO TO REACTIVATE SOP. 01-38 AND SECTION IG. 15G (m)(1)(i) TO GRANT A ONE YEAR EXTENSION TO APPLY FOR A BUILDING PERMIT TO INITIATE CONSTRUCTION ON SITE IN ACCORDANCE WITH SOP-01-38 WAS APPROVED ON WAY 13, 2003, SUBJECT TO THE FOLLOWING CONDITIONS: I. THE BUILDING PERMIT APPLICATION SHALL BE SUBMITTED

> TO DILP WITHIN ONE YEAR OF THE DATE OF APPROVAL 2. COMPLIANCE WITH 6HA COMMENTS DATED MAY 6,2003.

- 2. ALL CURB RADII ARE 5' UNLESS OTHERWISE LABELED.
- 3. ALL ON SITE ROADS ARE PRIVATE.
- 5. Y.I.&E.R. VEHICULAR INGRESS AND EGRESS RESTRICTED.

5 12-17-18 8 REVISE TO ADJUST THE BULDING, SIMM AND OIL SEPERATOR LOCATIONS

PREVIOUS FILE NUMBERS: BA-98-28V, ZV-87-54, BA CASE 93-38N, SDP-93-67, F-07-06 KEY GTY BOTANICAL + COMMON NAME MAJOR DECIDUOUS TREES Acer rubrum 'Red Sunset' Red Sunset Maple

William Charles

MĖTHODIST CHURCH

580 / 365

20NED W-2

TAX MAP 43

AUTO REPAIR ELEVATION

ADDRESS CHART

M-2 BUILDABLE BUILDING HEIGHT: 50'

STREET ADDRESS

6012

7761 WATERLOO ROAD (MD. RTE. 175)

AR

HOWARD COUNTY SURVEY CONTROL

HOWARD COUNTY SURVEY CONTROL

STATION: 43EA

ELEV. 242.94

STATION: 43HB

ELEV. 252.56

N 543,166.7654

N 546,593.9961

STANDARD DISC ON CONCRETE MONUMENT

STANDARD DISC ON CONCRETE MONUMENT

E 1,373,621.7498

E 1,374,425.0369

SITE AREA

PRESENT ZONING

AUTO REPAIR

@ 2.0 SPACES /1000 *

TOTAL OF SPACES REQUIRED

NO. OF PARKING SPACES PROVIDED

LIMIT OF DISTURBED AREA

Dwarf Burning Bush Taxus bacata 'repandens' Plant 3' o.c. Enalish Weepina Yew

Enonymus alatus 'Compactus' (30' -36' Ht.) B & B

USE TO AUTO SALES + SERVICE

AUTO SALES AND ANCIL LARY USES 4814

OUTDOOR SALES DISPLAY ISPA, 10005F 9005F I SPACE NO. OF PARKING REQUIRED FOR AUTOSALES

*PER HOWARD COUNTY ZONING REGULATIONS, SECTION 133

SITE TABULATION

AREA OF PLAN SUBMISSION (CHANGE IN USE) 0.76 ACRES (33,000 SF)

* EXISTING TREE IS IN POOR CONDITION AND IS TO BE REPLACED BY (I) RED MAPLE.

HOWARD COUNTY DEPARTMENT OF PLANNING AND 1/18/00 DATE 🔏 CHIEF, DEVELOPMENT ENGINEERING DIVISION

G.10.05 MODIFIED PUBLICAND PRIVATE WATER MAIN

-SCALE: 1" = 2000

1.2135 ACRES (52,860SF) 0.17 ACRES

SPACING

B & B | Space as shown

ADC MAR 41 GRIDE!

3180 SF

29SPACES

11/29/17 | 5 ADD NEW BUILDING, EXPAND PARKING LOT, ADD SWM.

11.5.15 4 ADD SMED, RESTRIPE PKNG, UPDATE EX. COND.

(12'-14' Ht.)

31 INCL. 2 HC

ROOT

15.1 % OF SITE

HIEF. DIVISION OF LAND DEVELOPMENT 3-24.05 /2\ ADDED G"WATER SERVICE, MODIFIED FF. ELEV. FOR ADDITION ADDED BUILDING ADDITION & REV. PARKING & SITE TAB. & DATE NO. REVISION

OWNER / DEVELOPER

THOMAS F. GORDON 10743 SYMPHONY PARK DRIVE ROCKVILLE, M.D. 20852

PROJECT ENVIRONMENTAL DESIGN AND RESOURCES CENTER (FORLERLY AMERICAN BUILDING PRODUCTS) WATERLOO ROAD, NO ROUTE 175 building and parking additions

Block 21 Parcel **434+444** L. 17702 F. 0495 ZONED M-2 PLAT # 19641, PARCEL A 1st Election District, Howard County, Maryland

RIEMER MUEGGE & ASSOCIATES INC ENGINEERING @ ENVIRONMENTAL SERVICES @ PLANNING @ SURVEYING

8818 Centre Park Drive, Columbia, MD 21045 tel 410.997.8900 fax 410.997.9282 DESIGNED BY : CJR

PROJECT NO ARTHUR E. MUEGGE #8707

SDP-01-38

DRAWING NO. _ 1 OF _4

I, ALL LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF 4. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS

N 542850 7/24/18 6 REVISE TO REDUCE THE BUILDING SIZE AND ADJUST THE LOCATION 10-2-18 7 REVISE TO ADJUST THE MIK

WARNER COMMERCIAL LEASING

1783 / 0225

ZONED H-2 TAX MAP 43

N 543100

LIMITS OF EX.

EX. BUILDING MATERIAL

STORAGE YARD

PUBLIC WATER AND NENT

28,662 SF OR

70.6580 AC.

EX. 13-STORY

FRAME

ASPHALT PAVING

1691, F.0484

" SOUNY.

+ passoo

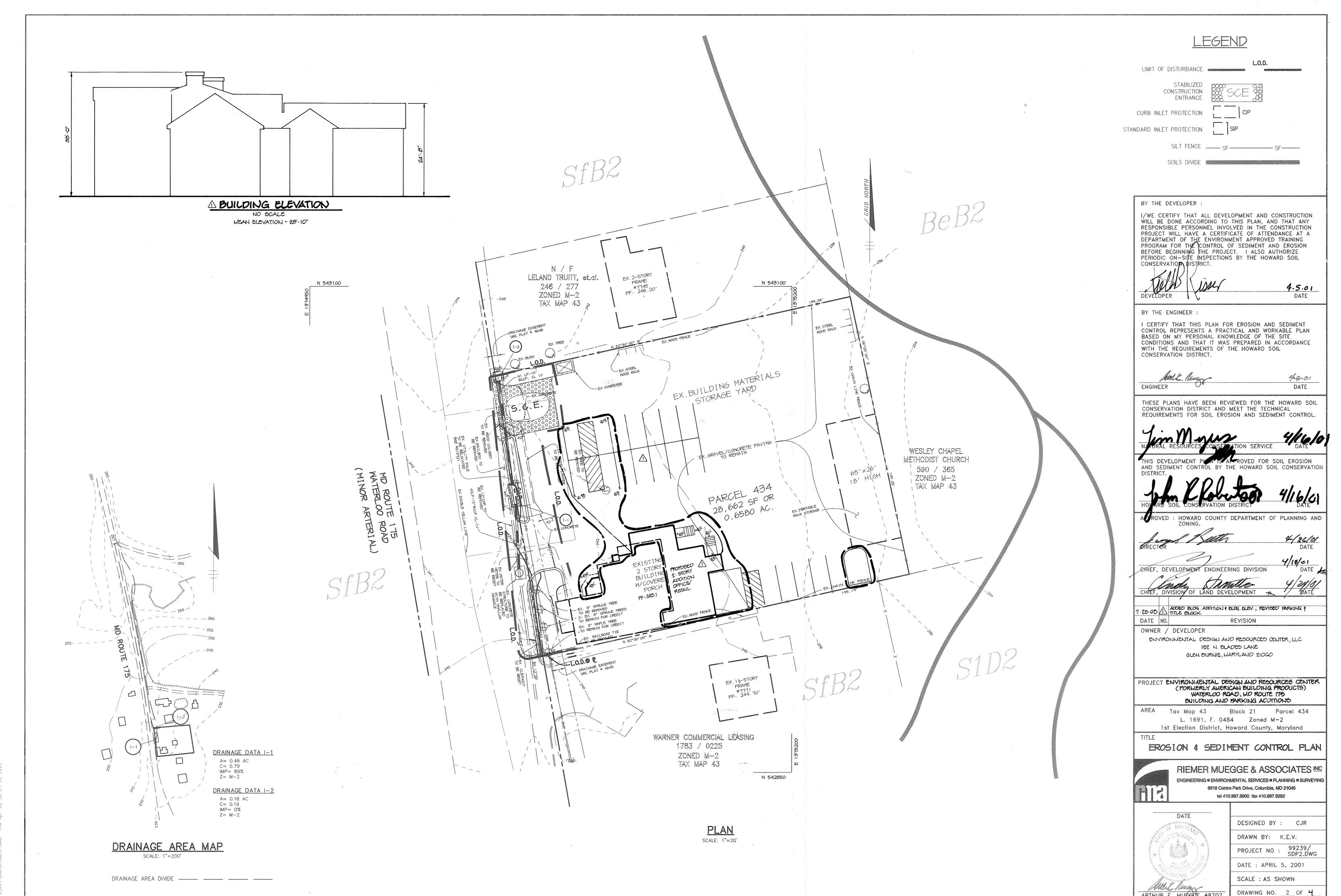
REVISIONS #6-8

PROPERTY NAME ENVIRONIZENTAL DESIGN AND PARCEL A' ELECT. DIST. CENSUS TRACT 3020000

PARCEL

SITE DEVELOPMENT PLAN

DRAWN BY: K.E.V. DATE: APRIL 5, 2001 SCALE : AS SHOWN

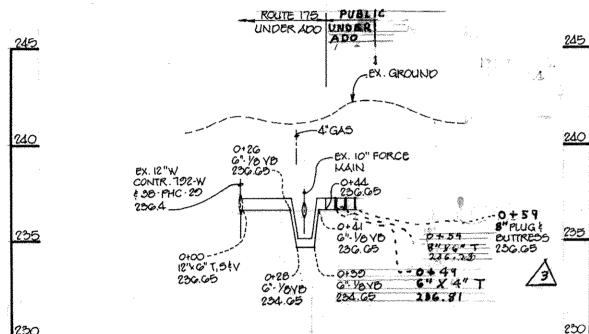


SDP-01-38

STORM DRAIN PROFILE

HOR, -1"=50"

VERT. -1"=5"



WATER PROFILE HOR .: 1" +50" SCALE:

YERT:)" . 5'

SEQUENCE OF CONSTRUCTION

OBTAIN A GRADING PERMIT.

INSTALL LANDSCAPING. (1 DAY)

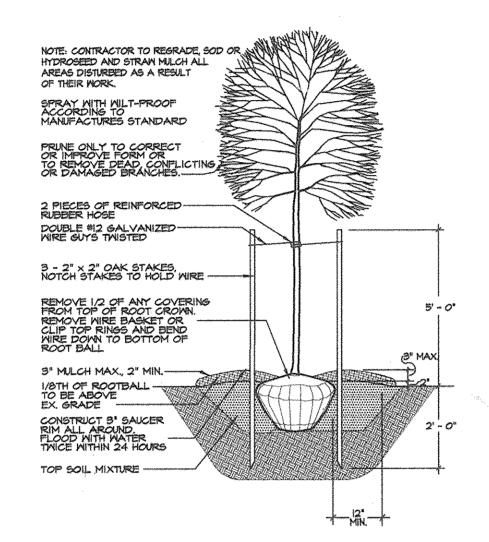
INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE (2 DAYS).

UPON PERMISSION OF HO.CO.DILP.SEDIMENT CONTROL INSPECTOR, BEGIN ROUGH GRADING AND BUILDING CONSTRUCTION. INSTALL STORM DRAINS AS SOON AS SUBGRADE ELEVATIONS ARE ESTABLISHED.

COMPLETE STORM DRAIN INSTALLATION (1 WEEK)

INSTALL CURB AND GUTTER THEN PAYE (I WEEK)

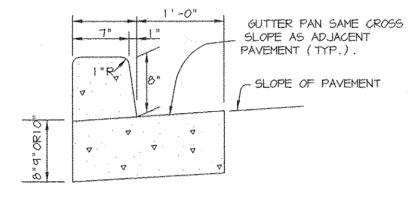
COMPLETE ALL REMAINING CONSTRUCTION AND UPON APPROVAL OF THE HO.CO DILP SEDIMENT CONTROL INSPECTOR, REMOVE RMAINING SEDIMENT CONTROLS AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. (2 WEEKS)



STRUCTURE SCHEDULE

STRUCTURE	TYPE	LOCATI <i>O</i> N	INV. IN	INV. OUT	TOP	REMARKS
	COG-10	* N 542992.58 E 1375054,46	238.41 (15")	238.31 (15")	242.0	MSHA STD. DETAIL MD-374,51
I-2	K INLET	* N 543052.87 E 1375047.91		238.72 (15")	242.4	MSHA STD. DETAIL MD-378.03
M-1	4'DIA.	* N 542952.65 E 1375058.74	238.10 (15")	238.00 (12")	240.5	MSHA STD. DETAIL MD-384.01

NOTES: * FOR "COG" INLETS LOCATION IS GIVEN FOR CENTER OF THROAT OPENING AT FACE OF CURB. FOR GRATE INLETS AND MANHOLES LOCATION IS AT CENTER OF TOP COVER, TOP ELEVATION IS TOP OF CURB/GRATE/RIM.



M.S.H.A. TYPE 'A' CURB AND GUTTER

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).

2. 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 REVISIONS THERETO.

STANDARD SEDIMENT CONTROL NOTES

3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-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

4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, OF THE 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, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. 6.). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHED

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 OF SITE AREA DISTURBED AREA TO BE ROOPED OR PAVED AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT

OFFSITE WASTE/BORROW AREA LOCATION

0.6580 ACRES 0.0919 ACRES 0,0623 ACRES 0.0296 ACRES 300 CU. YARDS 300 CU. YARDS

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

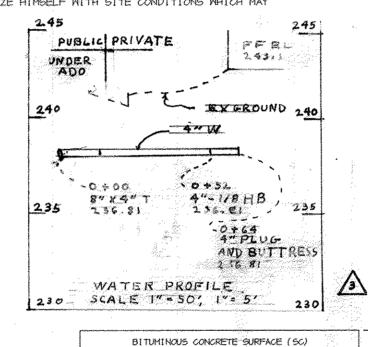
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE

II. 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.

12. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION

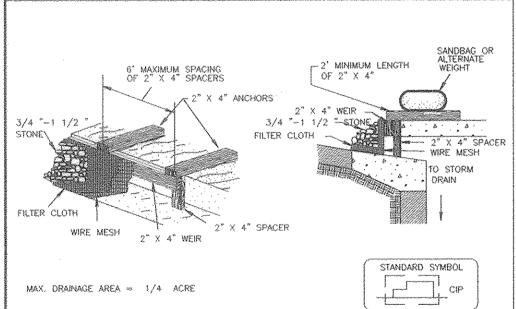
13. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.

14. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY



BITUMINOUS CONCRETE BASE (BC) BITUMINOUS CONCRETE BASE

DETAIL 23C - CURB INLET PROTECTION



Construction Specifications

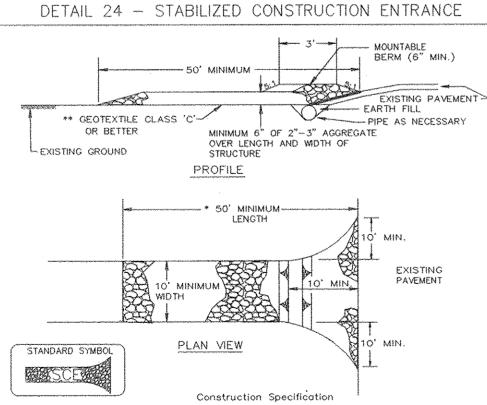
1. Attach a continuous piece of wire mesh (30" minimum width by throat length plus t') to the 2" x 4" weir (measuring throat length plus 2') as shown on the standard

2. Place a continuous piece of Geotextile Class E the same dimensions as the wire mesh over the wire mesh and securely attach it to the 2" x 4" weir. 3. Securely nail the 2" X 4" weir to a 9" long vertical spacer to be located between the weir and the inlet face (max. 4" apart).

4. Place the assembly against the inlet throat and nail (minimum 2' lengths of $2" \times 4"$ to the top of the weir at spacer locations). These $2" \times 4"$ anchors shall extend across the inlet top and be held in place by sandbags or alternate weight. i. The assembly shall be placed so that the end spacers are a minimum 1' beyond

6. Form the 1/2 " x 1/2 " wire mesh and the geotextile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Place clean 3/4 " \times 1 1/2 " stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile.

. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment. 8. Assure that storm flow does not bypass the inlet by installing a temporary earth or asphalt dike to direct the flow to the inlet.



 Length — minimum of 50' (*30' for single residence lot). 2. Width - 10' minimum, should be flored at the existing road to provide a turning

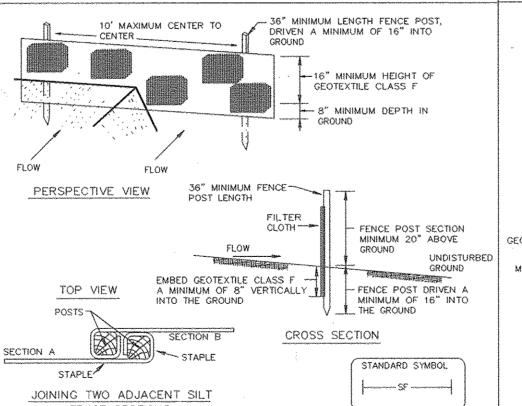
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.

4. Stone — crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance. . Surface Water — all surface water flowing to or diverted toward construction

entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required. 6. Location - A stabilized construction entrance shall be located at every poin where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

MARYLAND DEPARTMENT OF ENVIRONMENT

DETAIL 22 - SILT FENCE



FENCE SECTIONS Construction Specifications

. Fence pasts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 3.00 pond per linear foot.

. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

30 lbs/in (min.)

20 lbs/in (min.)

Tensile Strength

Tensile Modulus

U.S. DEPARTMENT OF AGRICULTURE

0.3 gal ft 1/ minute (max.) Test: MSMT 322 Test: MSMT 322 Filtering Efficiency 75% (min.) . Where ends of geotextile fabric come togéther, they shall be overlapped

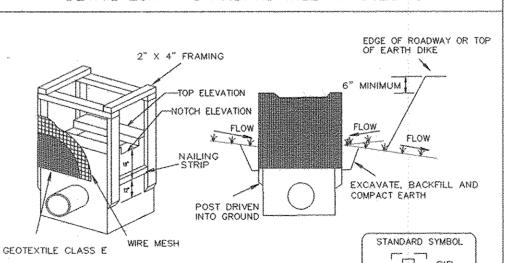
olded and stapled to prevent sediment bypass . Slit Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

Test: MSMT 509

Test: MSMT 509

MARYLAND DEPARTMENT OF ENVIRONMENT

DETAIL 23A - STANDARD INLET PROTECTION



MAX. DRAINAGE AREA = 1/4 ACRE Construction Specifications

1. Excavate completely around the inlet to a depth of 18" below the

2. Drive the 2" \times 4" construction grade lumber posts 1' into the ground at each corner of the inlet. Place noil strips between the posts on the ends of the inlet. Assemble the top portion of the $2^{\prime\prime}$ x $4^{\prime\prime}$ frame using the overlap joint shown an Detail 23A. The top of the frame (weir) must be 6" below adjacent roadways where flooding and safety issues may arise.

3. Stretch the 1/2" x 1/2" wire mesh tightly around the frame and fasten securely. The ends must meet and overlap at a

4. Stretch the Geotextile Class E tightly over the wire mesh with the geotixtile extending from the top of the frame to 18" below the inlet notch elevation. Fasten the geotextile firmly to the frame. The ends of the geotextile must meet at a post, be overlapped and folded, then fastened down.

5. Backfill around the inlet in compacted 6" layers until the layer of earth is level with the notch elevation on the ends and

6. If the inlet is not in a sump, construct a compacted earth dike across the ditch line directly below it. The top of the earth dike should be at least 6" higher than the top of the frame.

7. The structure must be inspected periodically and after each rain and the geotextile replaced when it becomes clogged. MARYLAND DEPARTMENT OF ENVIRONMEN PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed <u> Seedbed Preparation : Loosen upper three inches of soll by raking.</u> discing or other acceptable means before seeding, if not previously

Soil Amendments ; In lieu of soil test recommendations, use one af the following schedules :

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.)

2) Acceptable - Apply 2 tons per acre dolomitic ilmestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three Inches of soil

Seeding : For the period March I thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 s of Kentucky 31 Tall Fescue. For the period May I thru July 31, seed with 60 lbs. Kentucky 31 Tail Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following

1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.

3) Seed with 60 lbs. per acre Kentucky 31 Tail Feecue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding.

Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance : Inspect all seeded areas and make needed repairs.

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition

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

<u>Purpose</u>

To provide a suitable soil medium for vegetative 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

1. 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 vegetative 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 plant 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 1. 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 USPA-SCS in ___cooperation with Maryland Agricultural Experimentation Station.

11. 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 soil scientist and approved by the appropriate approval authority. Régardless, 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 1½" in diameter.

 Topsoll must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison lyy, thistle, or others as specified.

iii. Where subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

II. For sites having disturbed areas under 5 acres:

 Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

III. For sites having disturbed areas over 5 acres:

On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following: a. pH for topsoll shall be between 6.0 and 7.5. If the tested soll demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.

b. Organic content of topsoil shall be not less than 1.5 percent by weight. . Topsoil having soluble salt content greater than 500 parts per million shall not be used. d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.

Note: Topsoil substitutes to 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

11. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative <u>Stabilization</u> - Section I - 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.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.

iii. Topsoil shall be uniformly distributed in a 4" ~ 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

IV. Topsoll shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively met or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

. Alternative for Permanent Seeding - instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

. Composted Sludge Material for use as a soll conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for site having disturbed areas under 5 acres

shall conform to the following requirements: a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.

b. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use. . Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

d. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate. References: Guideline Specifications, Soil Preparation and Sodding. MD-VA, Pub. #1, Cooperative

Extension Service, University of Maryland and Virginia Polytechnic Institutes. Revised 1973.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

<u>Seedbed Preparation , Loosen upper three inshes of soil by raking.</u> discing or other acceptable means before seeding, if not previously

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs per 1000 sq.ft.). For the period May'l thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching; Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 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.

> MUDIFIED WATER PROFILE, ADDECMATER PROFILEDOR BY THE DEVELOPER /WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY 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 INSPECTIONS BY THE HOWARD SOIL

4.5.01

DATE

CONSERVATION /DISTRICT.

BY THE ENGINEER

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.

ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL



APPROVED FOR SOIL EROSION THIS DEVELOR AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION

: HOWARD COUNTY DEPARTMENT OF PLANNING AND

4/18/31 CHIEF, DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION OF LAND DEVELOPMENT 🧥 3.24.05 /2\ ADDED WATER PROFILE

> 23.03 (1) REVISED TITLE BLOCK OWNER / DEVELOPER

> > ENVIRONMENTAL DESIGN AND RESOURCES CENTER, LLC 150 N. BLADES LANE GLEN BURNIE, WARTLAN 21000

PROJECT ENVIRONMENTAL DESIGNAND RESOURCES CENTER (FORMERLY AMERICAN BUILDING PRODUCTS) WATERLOO ROAD, ROUTE 175

REVISION

building and parking additions Tax Map 43 Block 21 Parcel 434 L. 1691, F. 0484 Zoned M-2 1st Election District, Howard County, Maryland

RIEMER MUEGGE & ASSOCIATES ™

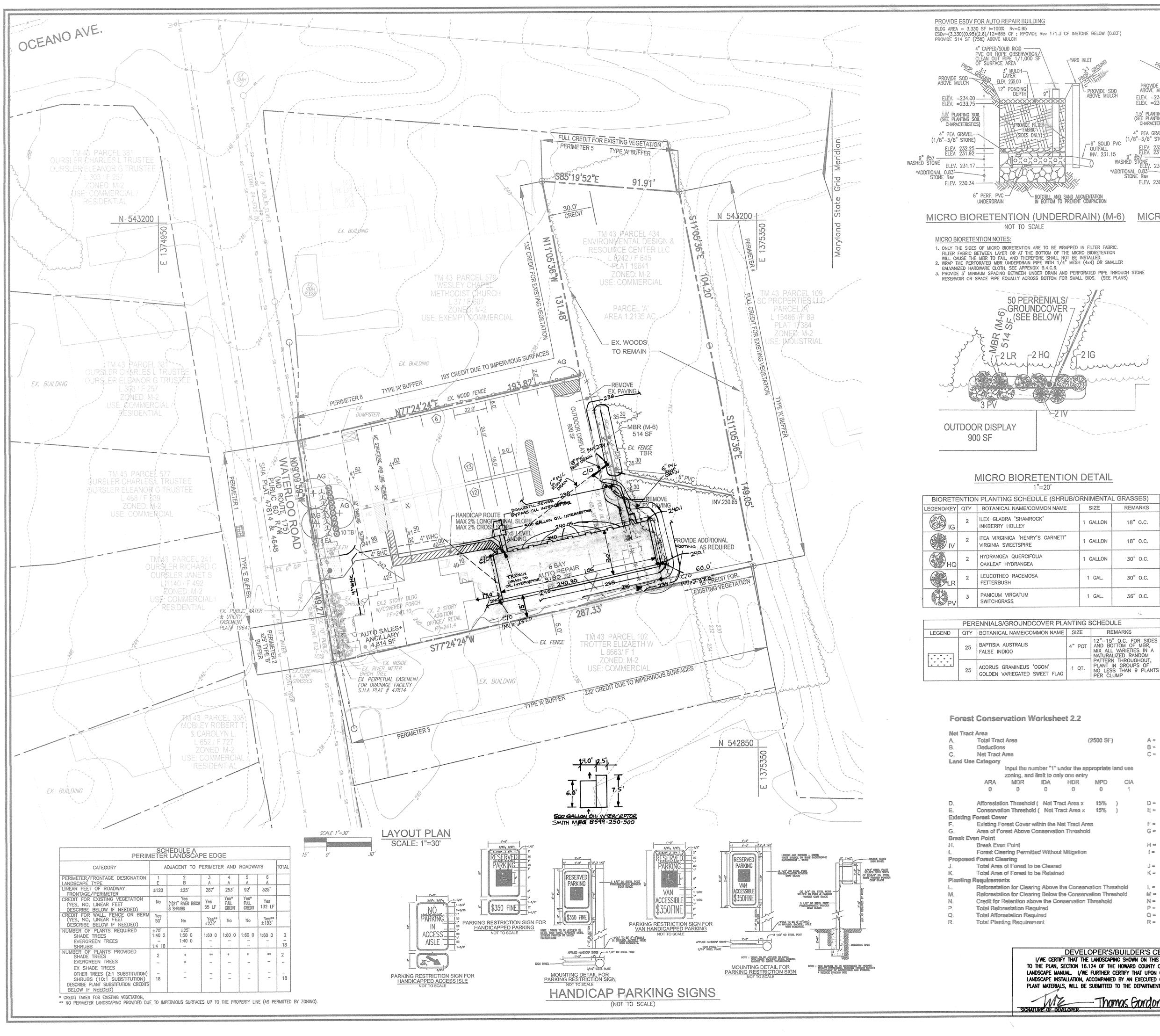
PROFILES, DETAILS & NOTES

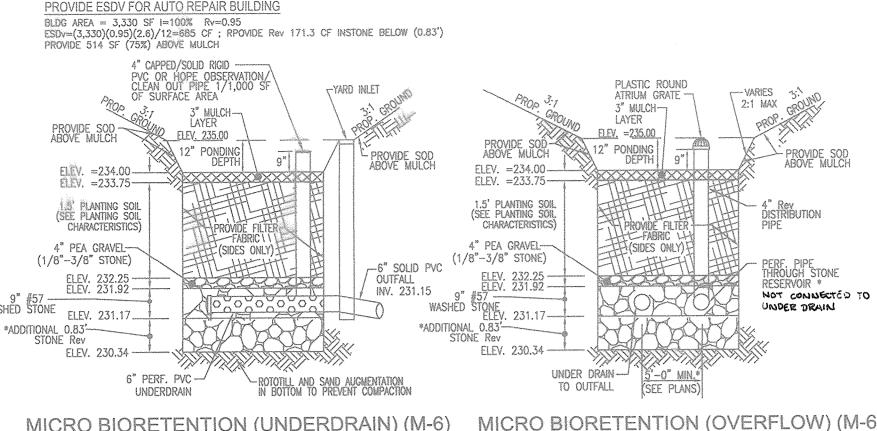


ARTHUR E. MUEGGE #8707

PROJECT NO SDP3.DWG DATE : APRIL 5, 2001 SCALE : AS SHOWN DRAWING NO. 3 OF 4

SDP-01-38





MICRO BIORETENTION (OVERFLOW) (M-6) NOT TO SCALE

		1"=20'		
BIORETE	NTION	N PLANTING SCHEDULE (SHRUB/C	RNIMENTAL	_ GRASSES)
LEGEND/KEY	QTY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
₩ IG	2	ILEX GLABRA 'SHAMROCK' INKBERRY HOLLEY	1 GALLON	18" O.C.
₩ IV	2	ITEA VIRGINICA 'HENRY'S GARNETT' VIRGINIA SWEETSPIRE	1 GALLON	18" O.C.
НО	2	HYDRANGEA QUERCIFOLIA OAKLEAF HYDRANGEA	1 GALLON	30" O.C.
LR	2	LEUCOTHEO RACEMOSA FETTERBUSH	1 GAL.	30" O.C.
N. PV	3	PANICUM VIRGATUM SWITCHGRASS	1 GAL.	36" O.C.
	Bacagana ang mga mang manang managan			<u> </u>

				Č.
	PERI	ENNIALS/GROUNDCOVER PLA	NTING S	SCHEDULE
LEGEND	QTY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
****	25	BAPTISIA AUSTRALIS FALSE INDIGO	4" POT	12"-15" O.C. FOR SIDES AND BOTTOM OF MBR, MIX ALL VARIETIES IN A NATURALIZED RANDOM
	25	ACORUS GRAMINEUS 'OGON' GOLDEN VARIEGATED SWEET FLAG	1 QT.	PATTERN THROUGHOUT, PLANT IN GROUPS OF NO LESS THAN 9 PLANTS PER CLUMP



· Pase Con

		LANDSCAPE SCHEDULE	one one	
KEY	QUAN.	BOTANICAL NAME	SIZE	ROOT
AG	4	ACER GINNALA AMUR MAPLE	2.5" CAL	8 & 8
EA	8	ENONYMUS ALABUS 'COMPACTUS' DWARF BURNING BUSH	30" - 36" HT.	8 & 8
TB	10	TAXUS BACATA 'REPANDENS' ENGLISH WEEPING YEW	24" - 30" HT.	8 & B

LEGEND:

EXISTING CONTOUR

PROPOSED CONTOUR PROPOSED SPOT ELEVATION EXISTING SPOT ELEVATION EXISTING CURB AND GUTTER PROPOSED PAVING EXISTING UTILITY POLE

EXISTING LIGHT POLE EXISTING MAILBOX

EXISTING SANITARY MANHOLE

EXISTING SANITARY LINE EXISTING STORM DRAIN LINE

EXISTING FIRE HYDRANT

EX. WATER AND UTILITY EASEMENT PLAT#19641

EX. PERPETUAL EASEMENT FOR DRAINAGE FACILITY S.H.A PLAT # 47814

EXISTING CLEANOUT

EXISTING WATER LINE

PROPOSED STORM DRAIN

RIGHT-OF-WAY LINE

EXISTING TREELINE

PROPERTY LINE

OPERATION AND MAINTENANCE SCHEDULE FOR LANSCAPE INFILTRATION (M-3), MICRO-BIORETENTION (M-6), RAIN GARDENS (M-7), BIORETENTION SWALE (M-8),

AND ENHANCED FILTERS (M-9)

1. THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULTCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL PRUNING.

ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000

2. THE OWNER SHALL PERFORM A PLANT IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES

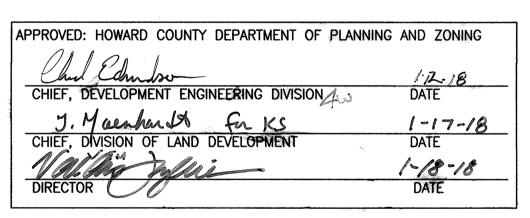
3. THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.

4. THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.

MARYLAND STORMWATER DESIGN MANUAL, VOLUME II, TABLE A.4.1 AND 2.

AND SHRUBS, AND REPLACE ALL DEFICIENT STAKES AND WIRES.

EXISTING SIGN



OWNER/DEVELOPER THOMAS F. GORDON 10743 SYMPHONY PARK DR ROCKVILLE, MD 20852 410-465-2020

Net Tract	Area							
A.	Total Tract	Area		4	(2500 SF)	•	A =	0.06
8.	Deductions	j					8 = 7	0.00
G.	Net Tract #	Wea					C =	0.06
Land Use	Category						*	
		input the num zoning, and lir				land use		
	ARA	MDR	IDA	HDR	MPD	CIA		
	0	9	0	O	0	4		
D.	Afforestatio	on Threshold (Nel Tra	d Area x	15%	*	D =	0.01
E.	Conservati	on Threshold (Net Tra	ict Area x	15%)	E= -	0.01
Existing I	Forest Cove	·						e e premium e proposition de la maria della dell
F.	Existing Fo	rest Cover with	hin the Ni	et Tract Are	323		F=	0.06
G.	Area of For	est Above Co	nservatio	n Threshok	4		G =	0.05
Break Eve	en Point						^	on the second contraction of the second cont
H.	Break Ever	Point					H =	0.02
4	Forest Clea	aring Permitted	! Without	Mitigation			1=	0.04
Proposed	Forest Cle							and marties per upon the first of the medical martinated fluid that was printed upon growing and passes of a
J.	Total Area	of Forest to be	Cleared				1=	0.06
K.	Total Area	of Forest to be	Retaine	\$			<=	0.00
Planting I	loguiremen	îs						
L.	Reforestati	on for Clearing	Above ti	ne Conserv	ration Thr	eshold	1 =	0.01
M.	Reforestati	on for Clearing	Below th	e Conserv	ation Thre	shold	M = .	0.02
N.	Credit for R	letention abovi	e the Cor	servation 7	Threshold		N=	0.00
P.	Total Refor	estation Requi	ired				P =	0.03
Q.	Total Afford	station Requi	red				Q = 0	0.00
R.	Total Planti	ng Requireme	ni				R=	0.03

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 CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE (1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Thomas Gordon 1/9/2018

8	REVISE TO ADJUST THE BUILDING, SWM AND OIL SEPERATOR LOCATIONS	12-17-1
7	REVISE TO ADJUST THE WHICLOCATION AND TO ADD OIL INTERCEPTOR.	10-2-1
6	REVISE TO REDUCE THE BUILDING SIZE AND ADJUST THE LOCATION	7-24-
5	CHANGE USE TO AUTO SERVICE + SALES ADD ESDV.	11-02-2
NO.	REVISION	DATE

SITE DEVELOPMENT PLAN ENVIRONMENTAL DESIGN AND RESOURCES CENTER (FORMERLY AMERICAN BUILDING PRODICTS) WATERLOO ROAD, MD ROUTE 175 **BUILDING AND PARKING ADDITIONS** L. 6242 F. 645

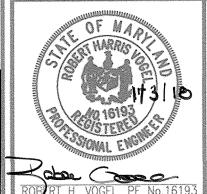
ZONE: M-2

TAX MAP 43 GRID 21 1ST ELECTION DISTRICT

PARCELS 444, 434 HOWARD COUNTY, MARYLAND



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



	DESIGN BY: RH
	DRAWN BY: K
)	CHECKED BY: RH
	DATE: NOVEMBER 201
	SCALE: AS SHOW
0.000	W 0 NO 17-2

PROFESSIONAL CERTIFICATE