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STREET TREE CALCULATIONS	
LANDING AND ILCHESTER ROAD	
OTOTET TOTEO OF OUR FOR FOR SEE AF OF	
STREET TREES REQUIRED FOR 515 LF OF	
RIGHT-OF-WAY WITH 445 LF OF CREDIT	
FOR PRESERVING EXISTING VEGETATION	-
(558-455) / 30 = 3 TREES REQUIRED	[
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3 TREES PROVIDED	<u> </u>
~ 111000 1110 TO CO	

STREET TREE CALCULATIONS WELLSTONE WAY

STREET TREES REQUIRED FOR 486 LF OF

486 / 40 = 12 TREES REQUIRED

RIGHT-OF-WAY

BGE ZONE LEGEND

GREEN ZONE

YELLOW ZONE

12 TREES PROVIDED

TREES REQUIRED FOR 515 LF OF F—WAY WITH 445 LF OF CREDIT SERVING EXISTING VEGETATION 5) / 30 = 3 TREES REQUIRED  PROVIDED  8 ACER SACCHARUM "SUGAR MAPLE"  4 CUPPRESSOCYPARIS LEYLANDI "LELAND CYPRESS"	IDING AND ILCHESTER ROAD		SYMBOL	QUANTITY	NAME	
5) / 30 = 3 TREES REQUIRED  4 CUPPRESSOCYPARIS LEYLANDI "LELAND CYPRESS"	F-WAY WITH 445 LF OF CREDIT		(3)	8		
PROVIDED	5) / 30 = 3 TREES REQUIRED		**	4		
	PROVIDED	'				

	STREET	TREE PLANTING	LIST
SYMBOL	QUANTITY	NAME	REMARKS
	12	QUERCUS COCCINEA "SCARLET OAK"	2.5"-3.0" MIN. CAL. B & B FULL HEAD
8	3	ACER GRISEUM "PAPERBACK MAPLE"	2.5"—3.0" MIN. CAL. B & B FULL HEAD

PERIMETER PLANTING LIST

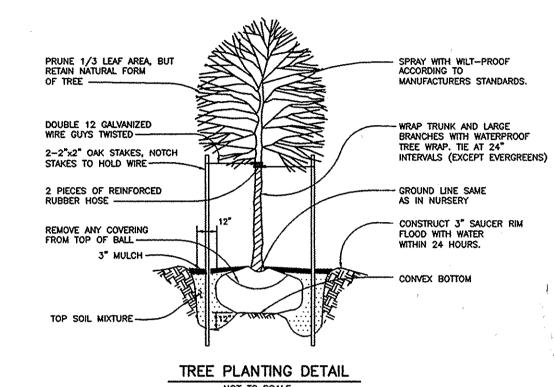
REMARKS

2.5"-3.0" MIN. CAL. B & B FULL HEAD 5.0'-6.0' MIN. HT. UNSHEARED

	STREET	TREE PLANTING	LIST
SYMBOL	QUANTITY	NAME	REMARKS
	12	QUERCUS COCCINEA "SCARLET OAK"	2.5"-3.0" MIN. CAL. B & B FULL HEAD
8	3	ACER GRISEUM "PAPERBACK MAPLE"	2.5"−3.0" MIN. CAL. B & B FULL HEAD

## LANDSCAPING NOTES

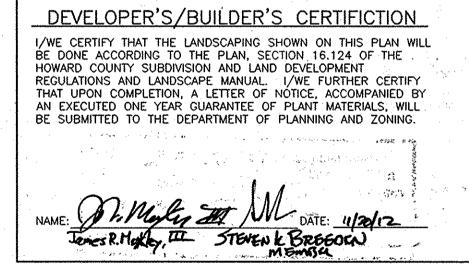
- 1.) PERIMETER LANDSCAPING SHALL BE PROVIDED BY THE EXISTING VEGETATION TO REMAIN AND BY THE PLANTINGS AS SHOWN ON THESE PLANS.
- 2.) SEE TREE PLANTING DETAIL THIS SHEET.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE PLANTINGS AND FOR PRESERVATION VEGETATION AS SHOWN ON THESE PLANS. BONDING FOR PLANTINGS IS THE OBLIGATION OF THE DEVELOPER AS PART OF THE DEVELOPERS
- STREET TREES SHALL BE PLANTED A MINIMUM OF FOUR (4) FEET FROM THE CURB OR SIDEWALK, A MINIMUM OF SIX (6) FEET BEHIND FACE OF CURB WHEN THERE IS NO SIDEWALK AND MUST BE A MINIMUM OF FIVE (5) FEET
- 5.) A MINIMUM DISTANCE OF TWENTY (20) FEET MUST BE MAINTAINED BETWEEN ANY TREES LOCATED ALONG THE CURB LINE AND FROM ANY STREET LIGHTS.
- 6.) THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SEC .- 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
- STREET TREES SHALL BE PLANTED A MINIMUM OF FIVE (5) FEET FROM OPEN SPACE ACCESS STRIP AND 10' FROM
- 8.) AT THE TIME OF INSTALLATION, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATIONS.
- PERIMETER LANDSCAPING SHALL BE PROVIDED AS SHOWN ON THE LANDSCAPE PLAN OF THE ROAD CONSTRUCTION DRAWINGS FOR THIS FINAL PLAN IN ACCORDANCE WITH SECTION 16.124 OF THE LANDSCAPE MANUAL FINANCIAL SURETY IN THE AMOUNT OF \$3,000 (\$2,400 FOR 8 SHADE TREES AND \$600 FOR 4 EVERGREEN TREES) SHALL BE POSTED WITHIN THE DEVELOPER'S AGREEMENT UNDER THIS FINAL PLAN, F-12-
- \_10.) SMALL ORNAMENTAL TREES SHALL BE PLANTED ALONG PERIMETER 1 IN ACCORDANCE WITH BGE "GREEN ZONE".

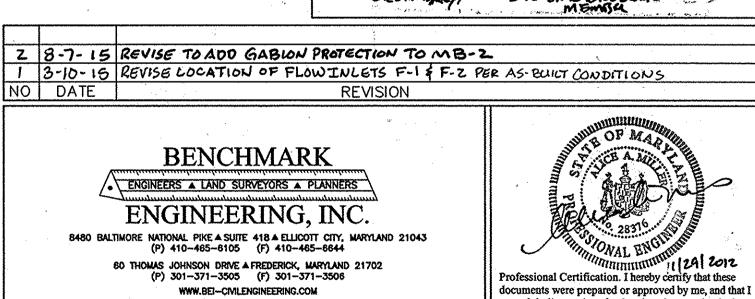


MATERIAL	Specification	512E	NOTES
impervious Liner	ASIM D-4833(THICKNESS) ASIM-D-41Z (TENSILE STRENGTHI,100 LB., ELONGGTION (ZOOK) A SIM-D-624 (TEAR RESISTANCE ISO LB./IN) ASIM-D-471 (WATER ADSORPTION+8 TO - ZZ MASS)	MICH	LINGR TO BE ULTRAVIOLET REGISTANT A GEOTEXTILE FABRIC SHOULD BE USE TO PROTECT THE LINER FROM PUNCUR

## CONSTRUCTION NOTES:

- I. PULL PLANTING SOIL AWAY FROM INSIDE FACE OF EMBANKMENT APPROXIMATELY I FOOT.
- Z EXCAVATE BREACHED AREA TO NATURAL GROUND.
- 3. RECONSTRUCT EMBANKMENT USING SOIL FILL WRAPPED IN PERMEABLE FILTER CLOTH WITH IN BREACHED AREA, LEAVING 6' WEIR AREA 6" DEPRESSED FROM TOP OF EMBANKMENT.
- 4. PLACE GABION MATTRESSES ON TOP OF ENBANKMENT, EXTENDING DOWN INSIDE AND OUTSIDE FACES.
- 5. REPLACE PLANTING SOIL AROUND MATTRESS AND ENBANKMENT,
- G. BACKFILL OUT SIDE FACE OF ENBANKMENT WITH CLASS O' RIPRAP WITHIN Z' OF EITHER SIDE OF WEIR. TIE THE REMAINING MATTRESS AREA WITH TOPSOIL AND SOD FOR SMOOTH FINISH.





OWNER/DEVELOPER:

DESIGN: AM DRAFT: AM CHECK: CAM

am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28376, Expiration Date: 01-01-2013. CASCADE OVERLOOK, SECTION 4

LOTS 1-7 AND OPEN SPACE LOTS 8 & 9

CASCADE WALTHUR, L.L.C. P.O. BOX 417 ELLICOTT CITY, MD 21041 PHONE: 410-465-4244

TAX MAP 31 - GRID 10 - PARCEL 133 ZONE: R-ED 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

LANDSCAPE PLAN, NOTES AND DETAILS PROJECT NO. 1817

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Manyland.

No As-Built information is required on this sheet

License No. <u>21443</u> Expiration Date: <u>12-21-16</u>

CHIEF, DEVELOPMENT ENGINEERING DIVISION P:\1817 Weller\dwg\7022s05.dwg, landscape plan, 11/29/2012 2:59:18 PM,

MICRO-BIORETENTION M-Z

GABION BASKET LAYOUT

SCALE: 1" = 20"

TACKET

MICRO-BIORETENTION M-Z RECONFIGURATION

SECTION THROUGH WEIR NOT TO SCALE

PERMANENT FOREST

CONSERVATION SIGNAGE

PROP. FIRE HYDRANT

12-13-12

EX. UTILITY POLE

CHIEF, DIVISION OF LAND DEVELOPMENT

PROPOSED STREET LIGHT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

AS-BUILT

