

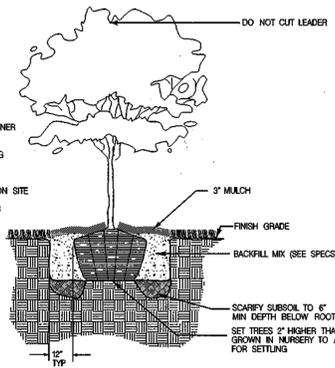
INDEX MAP
NOT TO SCALE

Forest
Conservation Area

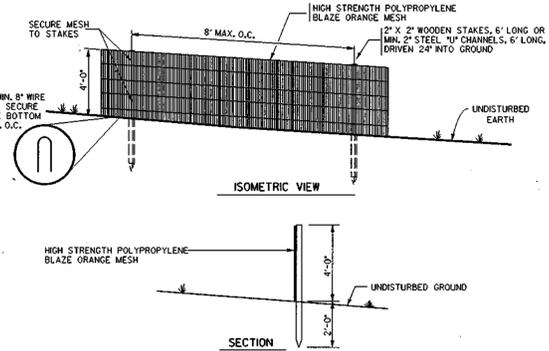
**AFFORESTATION /
REFORESTATION
PROJECT**

*Trees for Your
Future*

Permanent Signage
Not To Scale



Typical Tree Planting (For container grown)
Not To Scale



- NOTES:
1. THIS DETAIL IS FOR FOREST PROTECTION DEVICE ONLY.
 2. FOREST RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF FOREST RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING THE DEVICE.
 4. ROOT DAMAGE SHALL BE AVOIDED.
 5. PROTECTION SIGNAGE MAY ALSO BE USED.
 6. FOREST PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

Forest Protection Fence
Not To Scale

Goals and Objectives

The goals and objectives of this plan are to provide 0.9± acres of reforestation within an additional Forest Conservation Easement at Stone Lake to satisfy off-site forest replacement obligations generated by the MD 216 East Loop Road project, which was reviewed and approved by the DNR under the Roadside Tree Law (Natural Resources Article, Section 5-103, Annotated Code of Maryland). The MD 216 East Loop Road Project is associated with the overall Emerson MKD Development. The proposed easement will surround existing Forest Conservation Easement "F" created for the Stone Lake project, and will be located in an area that was designated for future reforestation under the approved Stone Lake Forest Conservation Plan.

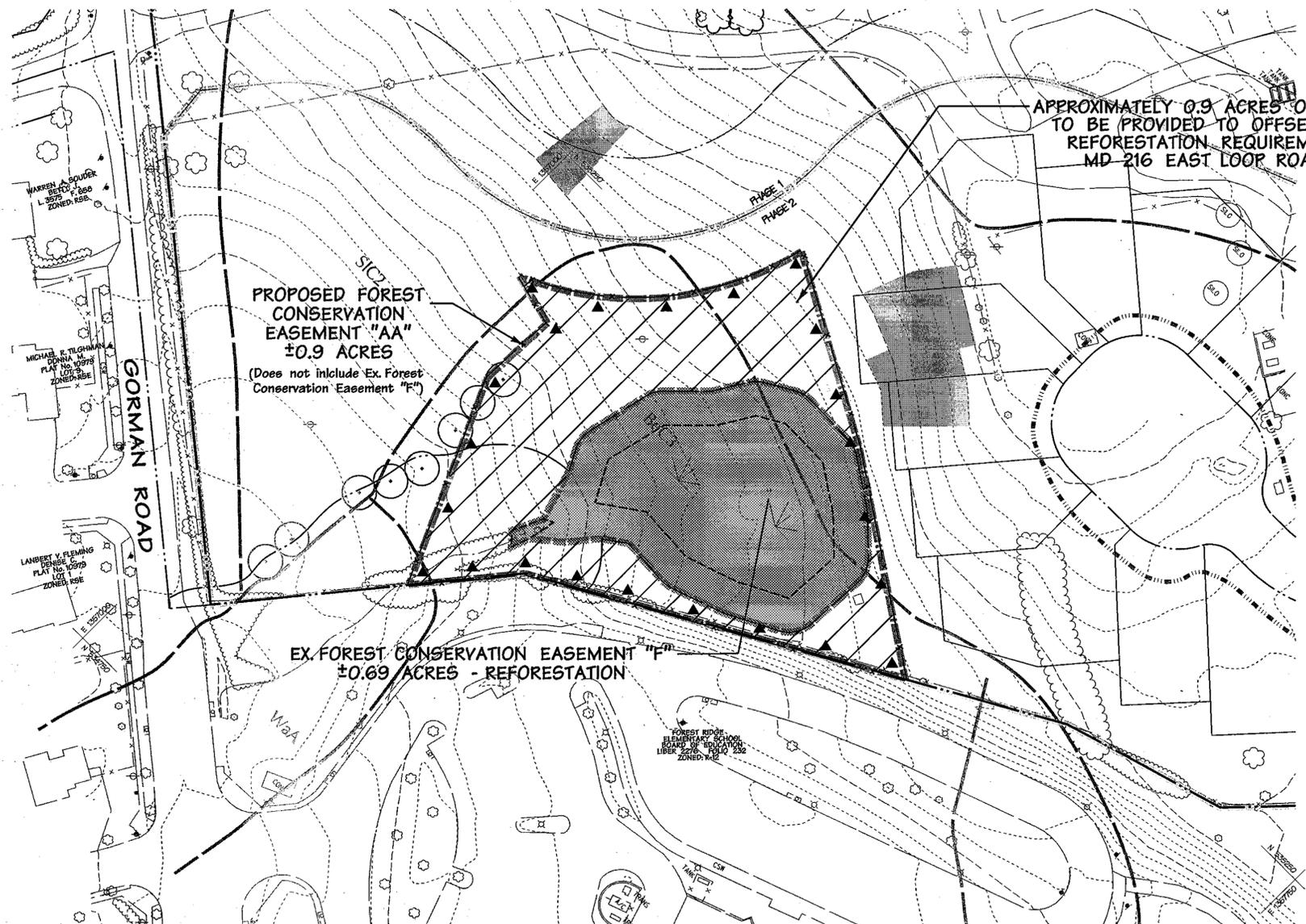
Proposed plantings will consist of large-stock, native tree species that were chosen to thrive in the mesic conditions that surround the non-tidal wetland contained within FCE "F". Additional plantings will contribute water quality benefits to the adjacent resource, as well as enhance the forest community established within FCE "F".

A surety in the amount of \$19,602.00 (0.9 acres x 43,560 Sq. Ft./Acre x \$0.50/Sq. Ft.) is required for the reforestation plantings.

Off-site reforestation for MD 216 East Loop Road

Plants required - 100 (200 1' caliper trees/acre x 0.9 acres)

Species	Size	Spacing	Quantity	Stage	Stratum	Remarks
<i>Acer rubrum</i>	1' caliper cont. grown	10' x 10'	25	all	tree	FAC
<i>Carpinus caroliniana</i>	5' height cont. grown	10' x 10'	20	late	tree	FAC
<i>Fraxinus pennsylvanica</i>	1' caliper cont. grown	10' x 10'	25	early	tree	FACW
<i>Liriodendron tulipifera</i>	cont. grown	10' x 10'	25	late	shrub	FACW
<i>Liquidambar styraciflua</i>	1' caliper cont. grown	10' x 10'	25	pioneer	tree	FAC
<i>Nyssa sylvatica</i>	1' caliper cont. grown	10' x 10'	25	pioneer	tree	FAC
<i>Platanus occidentalis</i>	1' caliper cont. grown	10' x 10'	25	early	tree	FACW
TOTALS			100			



Legend

- SLOPES 15%-25%
- PROPOSED REFORESTATION AREA
- EX. REFORESTATION AREAS
- LIMIT OF DISTURBANCE
- EX. FOREST CONSERVATION EASEMENT
- PROPOSED FOREST CONSERVATION EASEMENT
- PHASE LIMIT
- SCRUBSHRUBS/HEDGEROW OR TREE GROUP
- PERMANENT FOREST PROTECTION SIGN
- FOREST PROTECTION FENCE
- WETLAND
- WETLAND BUFFER
- WETLAND SYMBOL
- HEAD OF STREAM
- STREAM
- STREAM BUFFER
- 100 YEAR FLOOD PLAN
- FOREST EDGE
- SPECIMEN TREE
- PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)

4-3-03
Date

Landscape Architect

APPROVED: HOWARD COUNTY DEPT. OF PUBLIC WORKS

CHIEF, BUREAU OF HIGHWAYS

DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Chad Dammann 7/16/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Linda Harato 7/9/03
CHIEF, DIVISION OF LAND DEVELOPMENT

Date No. Revision Description

STONE LAKE

OWNER/DEVELOPER:
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Maryland 21044

DMW
Daft - McCune - Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
300 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax: 296 4705

SUBDIVISION NAME: STONE LAKE SECTION AREA: 170.0 P. 857, P. 3, P. 462
BLOCK: 9 ZONE: RED 47 TAXING MAP: 6 TH BLK: 0001 CROSSING TRACT: 1
WATER CODE: SEWER CODE:

TITLE: REFORESTATION PLANTING PLAN OFF-SITE REFORESTATION FOR MD 216 EAST LOOP ROAD

Des By: BKC Scale: 1"=50' Proj. No. 01011AD
Des By: HRD Date: 12-16-02
Chk By: Approved: 2 of 2