

GENERAL NOTES

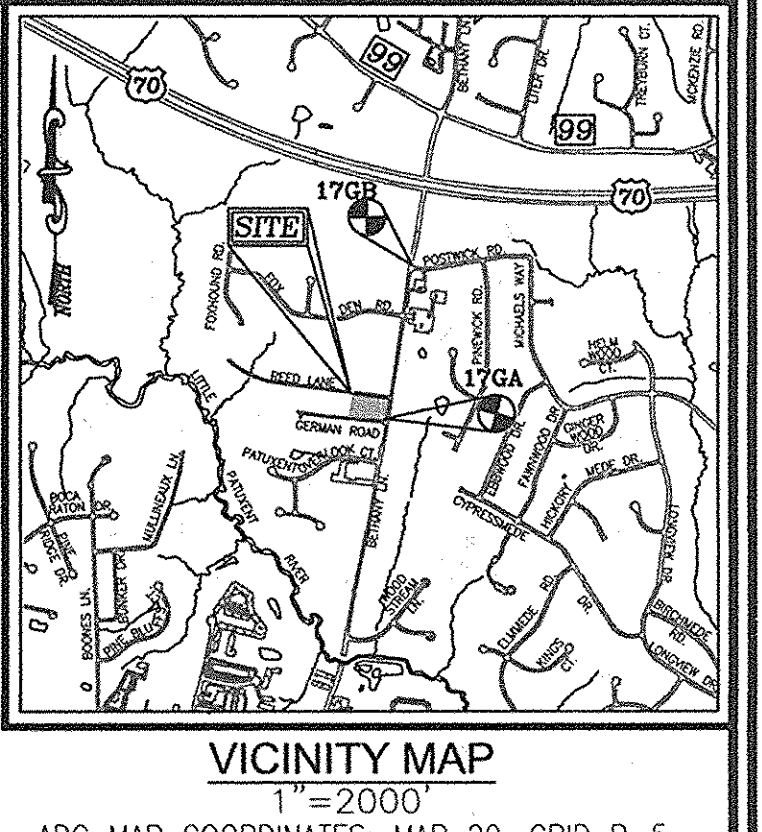
1. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED... 2. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED JULY, 2014...

SITE ANALYSIS DATA CHART
A. TOTAL PROJECT AREA: ±1.95 AC.
B. AREA OF PLAN SUBMISSION: 1.95 AC.
C. AREA OF WETLANDS AND BUFFERS: 0 S.F. OR 0.00 AC.

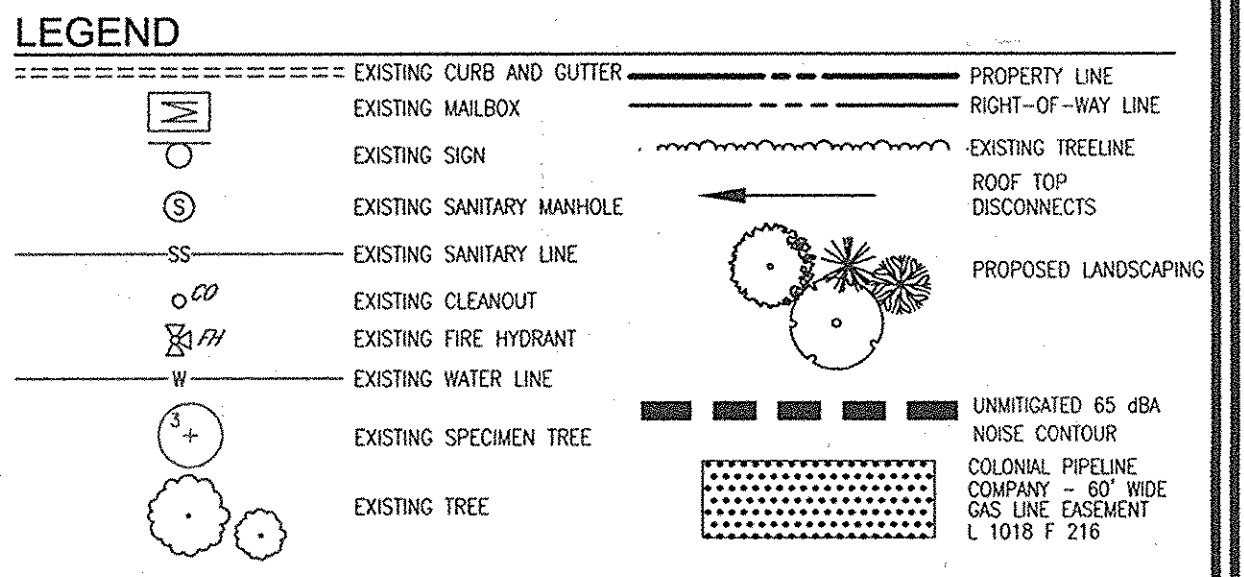
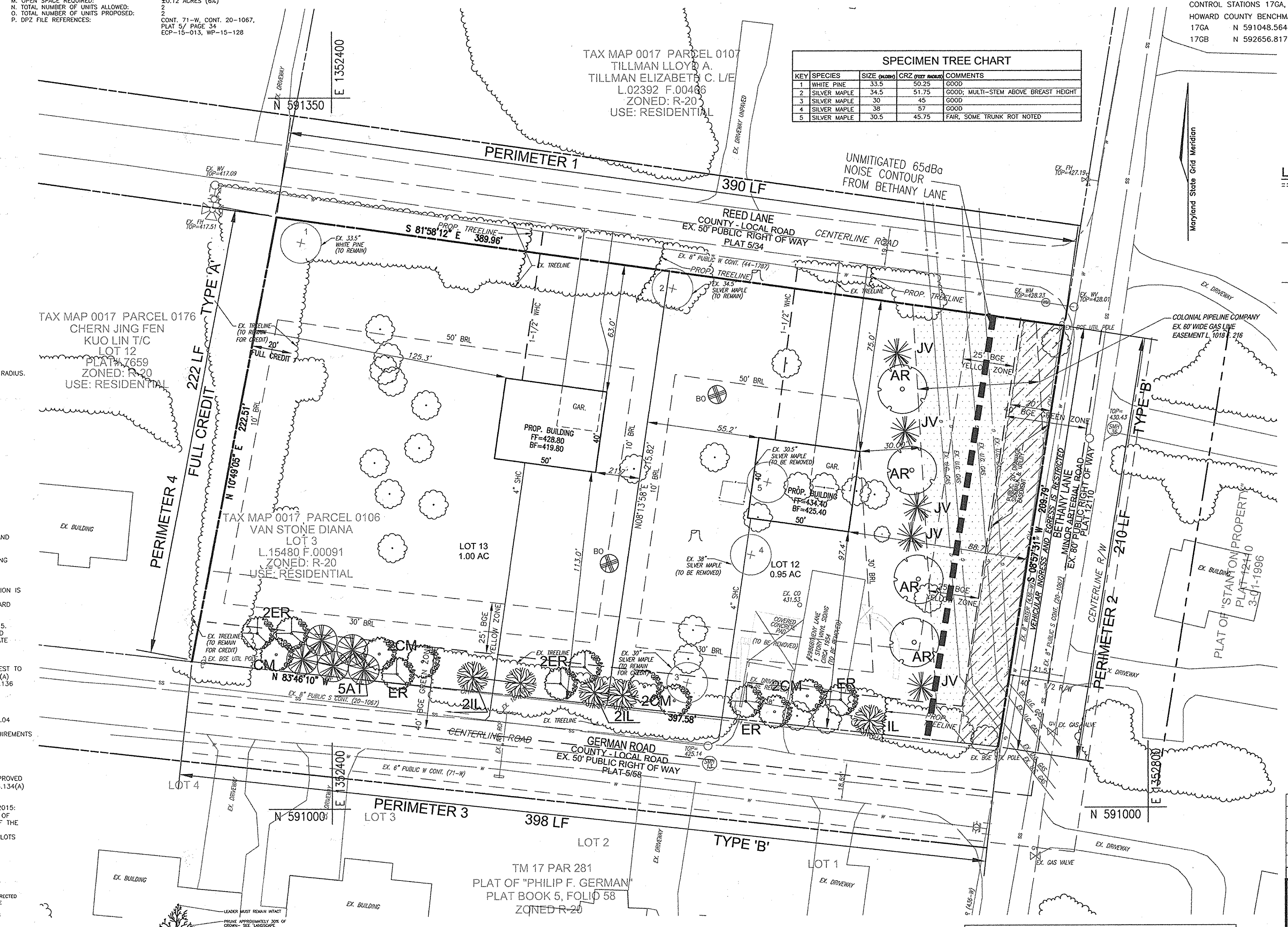
SUPPLEMENTAL INFORMATION PLAN
HARVEY S. REED SUBDIVISION LOTS 12 AND 13
A RESUBDIVISION OF "PLAT OF HARVEY S. REED", LOT 3
HOWARD COUNTY, MARYLAND

SHEET INDEX
DESCRIPTION SHEET NO.
COVER SHEET, EX. CONDITION, LANDSCAPE & LAYOUT PLAN 1 OF 2
GRADING, SOILS MAP, SWM PLAN 2 OF 2

BENCHMARKS
COORDINATES BASED ON HAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 176A, 176B.
HOWARD COUNTY BENCHMARK
176A N 591048.564 E 1352732.061 ELEV. 432.04
176B N 592656.817 E 1353019.927 ELEV. 441.53



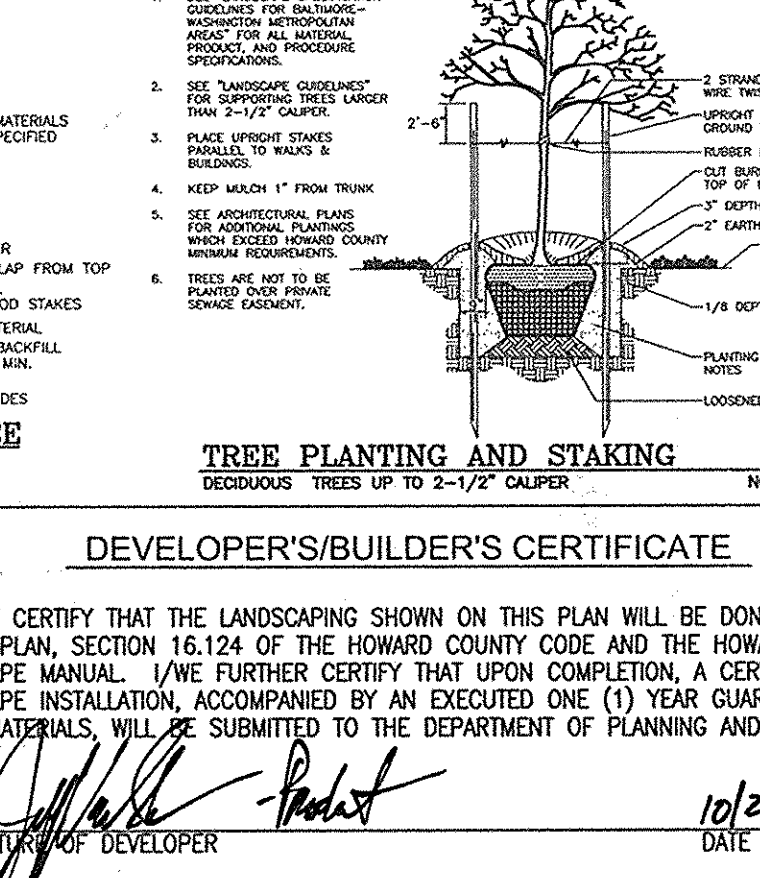
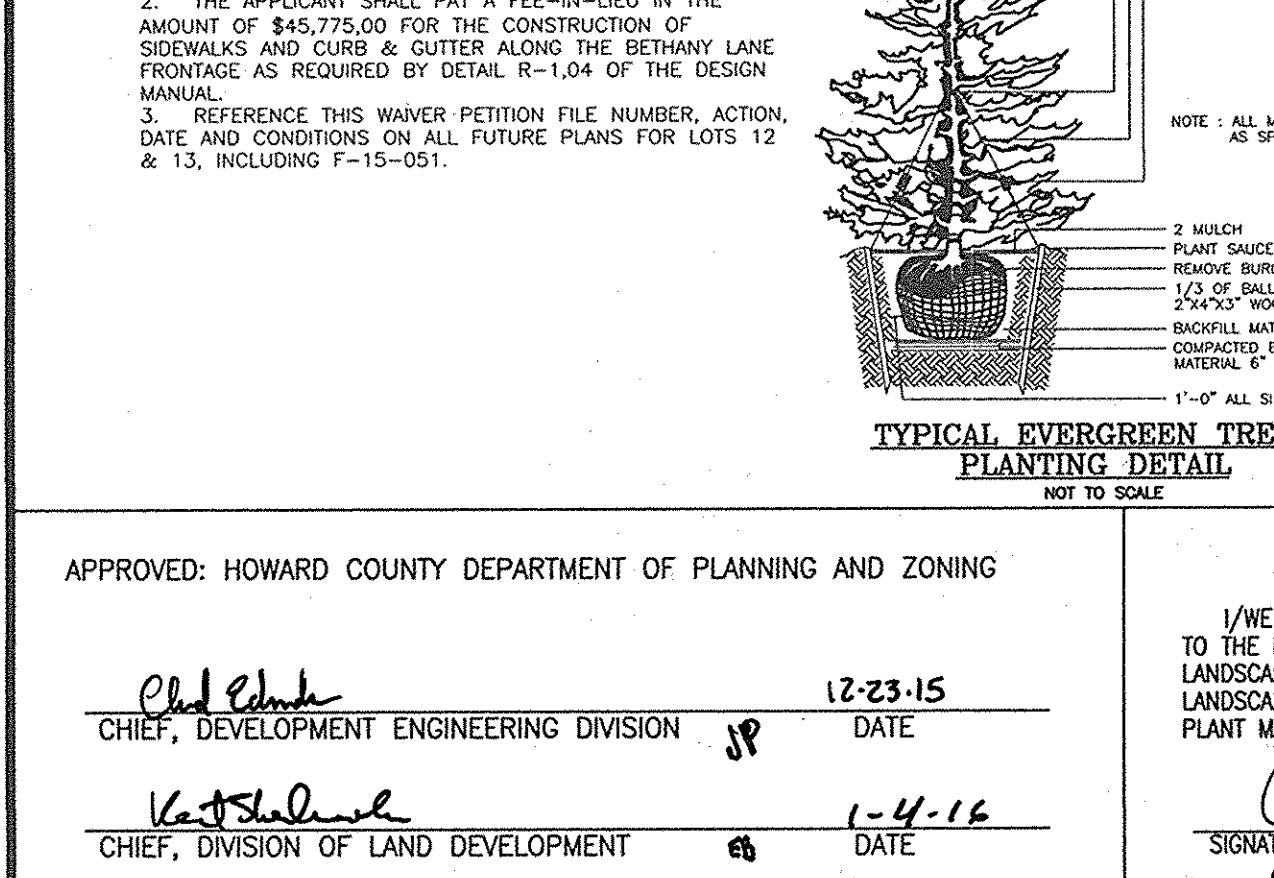
SPECIMEN TREE CHART
KEY SPECIES SIZE (INCHES) CRZ (FEET) COMMENTS
1 WHITE PINE 33.5 50.25 GOOD
2 SILVER MAPLE 34.5 51.75 GOOD; MULTI-STEM ABOVE BREAST HEIGHT



DPZ'S POLICES GOVERNING THE PLACEMENT OF LANDSCAPE AND STREET TREES IN PROXIMITY TO BGE'S POWER LINES OR TRANSMISSION RIGHT-OF-WAY ARE BASED ON BGE'S PUBLISHED "PLANTING ZONE CONCEPT" WHICH STIPULATES THE MAXIMUM ALLOWABLE SIZE OF PLANT MATERIALS FOR THREE DEFINED ZONES...

PERMIT INFORMATION CHART
SUBDIVISION NAME: HARVEY S. REED
SECTION/AREA: N/A
LOT/PARCEL NUMBER: 3 / 106

OWNER/DEVELOPER
DIANA VAN STONE
11619 PRINCESS LN.
ELLICOTT CITY, MD 21042
443-472-1352



GENERAL NOTES
1. THE LANDSCAPE PLAN WAS PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL, A FINANCIAL SURETY FOR THE REQUIRED PERIMETER LANDSCAPING SHALL BE POSTED WITH THE BUILDER'S GRADING PERMIT...

SCHEDULE 'A' PERIMETER LANDSCAPE EDGE
CATEGORY ADJACENT TO PERIMETER AND ROADWAYS TOTAL
PERIMETER/FRONTAGE DESIGNATION P-1 NONE P-2 B P-3 B P-4 A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER 390 210 398 222

PLANT LIST
SYMB KEY QUAN BOTANICAL NAME SIZE REM.
CM 7 LAGERSTRÖMIA TUSCARORA 6'-8" HT B & B
ER 7 CERCIS CANADENSIS (SACRED HAMBUR) 1 1/2"-2" CAL. B & B

LANDSCAPE NOTES
1. THE OWNER, TRAVEL AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE COMPLIANCE WITH APPLICABLE REGULATIONS...

SUPPLEMENTAL PLAN
COVER SHEET, EX. CONDITION, LANDSCAPE AND LAYOUT PLAN
HARVEY S. REED SUBDIVISION LOTS 12 AND 13
RESUBDIVISION OF "PLAT OF HARVEY S. REED", LOT 3
PLAT 5, PAGE 34
TAX MAP 17 BLOCK 20 2ND ELECTION DISTRICT PARCEL 106 HOWARD COUNTY, MARYLAND
ROBERT H. VOGEL ENGINEERING, INC.
8407 MAIN STREET ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961



GRADING, SOILS MAP, SWM PLAN
SCALE: 1" = 30'

Eco-Science Professionals, Inc.
Landscape Architects
P.O. Box 5505 Glen Arden, Maryland 21042
Telephone (410) 532-2482 Fax (410) 532-2482
John V. Croft

HOWARD COUNTY FOREST CONSERVATION WORKSHEET

ZONED R-20
NET TRACT AREA:
A. TOTAL TRACT AREA 1.95 AC.
B. AREA WITHIN 100 YEAR FLOODPLAIN 0.00 AC.
C. NET TRACT AREA 1.95 AC.

LAND USE CATEGORY
INPUT THE NUMBER "1" UNDER THE APPROPRIATE LAND USE ZONING, AND LIMIT TO ONLY ONE ENTRY.

ARA	MDR	IDA	HDR	MPD	CIA
0	0	0	1	0	0

D. AFFORESTMENT THRESHOLD 15% X 1.95 = 0.29 AC
E. CONSERVATION THRESHOLD 20% X 1.95 = 0.39 AC

EXISTING FOREST COVER:
F. EXISTING FOREST COVER = 0.00 AC (FSD REPORT)
G. AREA OF FOREST ABOVE CONSERVATION THRESHOLD = 0.00 AC

BREAK EVEN POINT:
(2 X I) + F = BREAK EVEN POINT (0 AC)
H. BREAK EVEN POINT = 0.00 AC
I. FOREST CLEARING PERMITTED WITHOUT MITIGATION = 0.00 AC

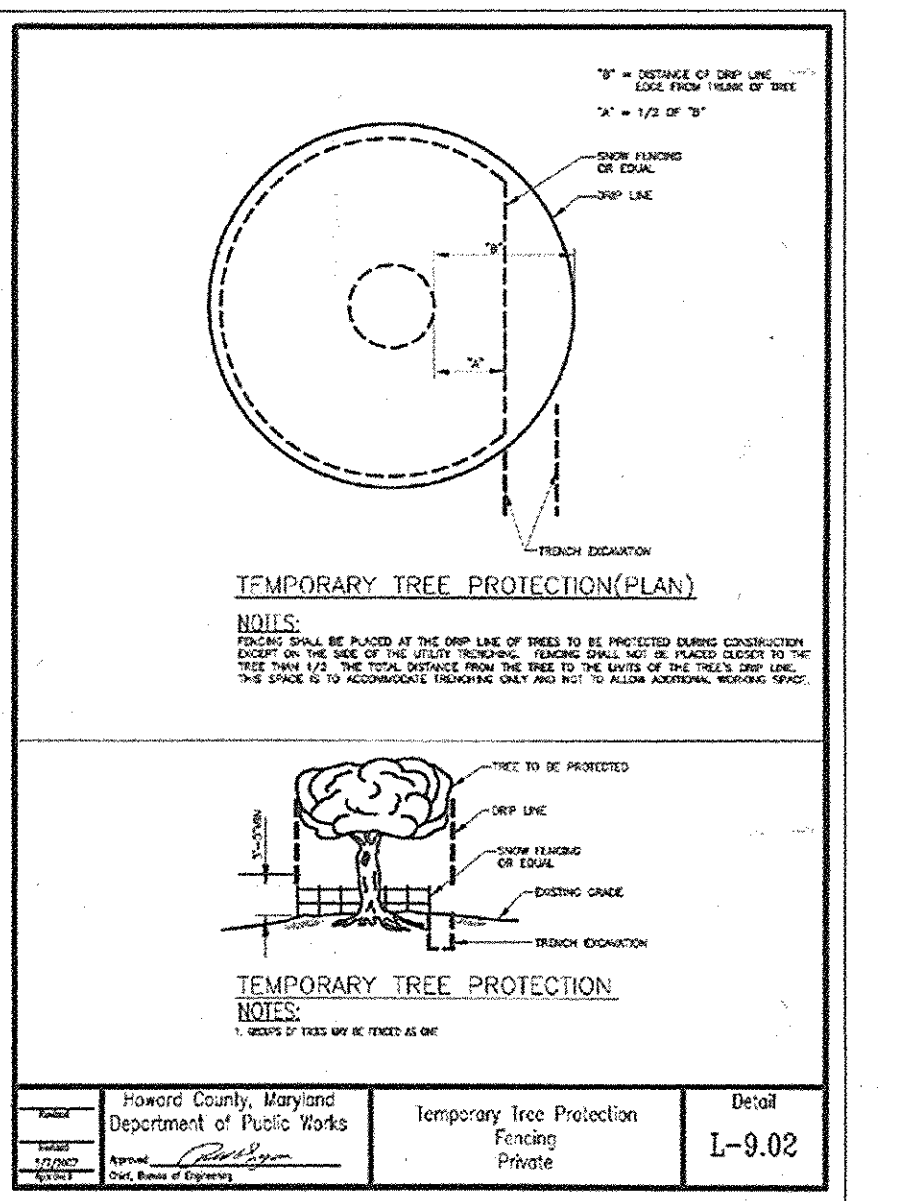
PROPOSED FOREST CLEARING:
J. TOTAL AREA OF FOREST TO BE CLEARED = 0.00 AC
K. TOTAL AREA OF FOREST TO BE RETAINED = 0.00 AC

PLANTING REQUIREMENTS:
L. REFORESTATION FOR CLEARING ABOVE CONSERVATION THRESHOLD (L X 25) = 0.00 AC
M. REFORESTATION FOR CLEARING BELOW CONSERVATION THRESHOLD = 0.00 AC
N. CREDIT FOR RETENTION ABOVE CONSERVATION THRESHOLD (M-F) = 0.00 AC
P. TOTAL REFORESTATION REQUIRED (N+F-D) = 0.00 AC
Q. TOTAL AFFORESTATION REQUIRED = 0.29 AC
R. TOTAL PLANTING REQUIREMENT (REFORESTATION AND AFFORESTATION) = 0.29 AC

TOTAL FOREST CONSERVATION OBLIGATION OF THIS PROJECT TO BE PAID AT THE TIME OF PAYMENT OF FEE IN FULL.
* THE REQUIRED FEE, BASED UPON THE 0.29 AC AFFORESTATION OBLIGATION IS:
\$2,900.00 (0.29 AC) X \$10,000.00 = \$2,900.00

LEGEND

---	EXISTING CONTOUR	---	PROPERTY LINE
---	PROPOSED CONTOUR	---	RIGHT-OF-WAY LINE
---	EXISTING CURB AND GUTTER	---	SOILS BOUNDARY
---	EXISTING MAILBOX	---	EXISTING TREETRUNK SUPER SILT FENCE
---	EXISTING SIGN	---	SSSF
---	EXISTING SANITARY MANHOLE	---	SS
---	EXISTING SANITARY LINE	---	LOD
---	EXISTING CLEANDIRT	---	AREA
---	EXISTING FIRE HYDRANT	---	LIMIT OF DISTURBED AREA
---	EXISTING WATER LINE	---	EXISTING 60" WIDE GAS LINE EASEMENT L. 1018 F. 216
---	PROPOSED SPOT ELEVATION	---	NON ROOF TOP DISCONNECTS
---	EXISTING SPECIMEN TREE	---	ROOF TOP DISCONNECTS
---	EXISTING TREE	---	COLONIAL PIPELINE COMPANY - 60" WIDE GAS LINE EASEMENT L. 1018 F. 216
---		---	PUBLIC 20' DRAINAGE SIDEWALK & UTILITY EASEMENT



N-1. DISCONNECTION OF ROOFTOP RUNOFF

CONSTRUCTION CRITERIA:
THE FOLLOWING ITEMS SHOULD BE ADDRESSED DURING THE CONSTRUCTION OF PROJECTS WITH PLANNED ROOFTOP DISCONNECTS:

- EROSION AND SEDIMENT CONTROL: EROSION AND SEDIMENT CONTROL PRACTICES (E.G., SEDIMENT TRAPS) SHALL NOT BE LOCATED IN VEGETATED AREAS RECEIVING DISCONNECTED RUNOFF
- SITE DISTURBANCE: CONSTRUCTION VEHICLES AND EQUIPMENT SHOULD AVOID AREAS RECEIVING DISCONNECTED RUNOFF TO MINIMIZE DISTURBANCE AND COMPACTION. SHOULD AREAS RECEIVING DISCONNECTED RUNOFF BECOME COMPACTED, SCARIFYING THE SURFACE OR ROTILLING THE SOIL TO A DEPTH OF FOUR TO SIX INCHES SHALL BE PERFORMED TO ENSURE PERMEABILITY. ADDITIONALLY, AMENDMENTS MAY BE NEEDED FOR TIGHT, CLAYEY SOILS.

INSPECTION:
A FINAL INSPECTION SHALL BE CONDUCTED BEFORE USE AND OCCUPANCY APPROVAL TO ENSURE THAT SIZING FOR TREATMENT AREAS HAVE BEEN MET AND PERMANENT STABILIZATION HAS BEEN ESTABLISHED.

MAINTENANCE CRITERIA:
MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE AREAS RECEIVING RUNOFF SHOULD BE PROTECTED FROM FUTURE COMPACTION (E.G., BY PLANTING TREES OR SHRUBS ALONG THE PERIMETER). IN COMMERCIAL AREAS, FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division: *Chad Phelan*, 12-23-15
Chief, Division of Land Development: *Kate Schuch*, 1-4-16

SOILS LEGEND
HOWARD COUNTY SOILS MAP #13

SYMBOL	NAME / DESCRIPTION	GROUP	HYDRIC	HYDRIC INCLUSIONS	Kw RANGE	PRIME FARM LAND	15% SLOPE RESTRICTION
G9B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	NO		0.20	YES	NO
G9C	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	NO		0.20	YES	NO

TAKEN FROM USDA, SCS-HEB SOIL SURVEY, HOWARD COUNTY
* BASED UPON ESTIMATED CUTS
NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL STABILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT

NO. REVISION DATE

SUPPLEMENTAL PLAN
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ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET ELLICOTT CITY, MD 21104 TEL: 410.461.7666 FAX: 410.461.8961

DESIGN BY: RHV
DRAWN BY: KG/EDS/GAH
CHECKED BY: RHV
DATE: OCTOBER 2015
SCALE: AS SHOWN
W.O. NO.: 14-13

PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193, EXPIRATION DATE 08-27-2016

2 SHEET OF 2