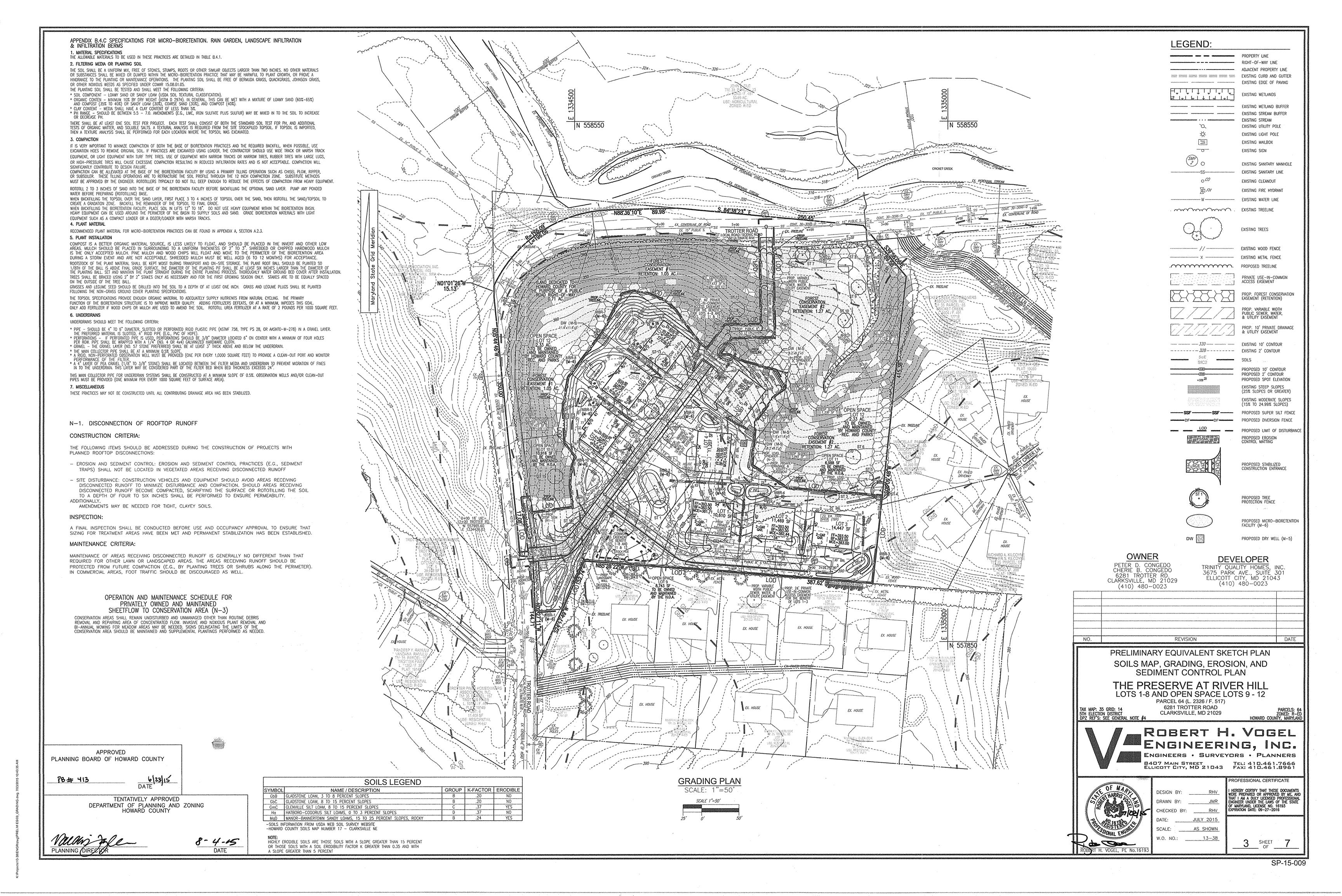
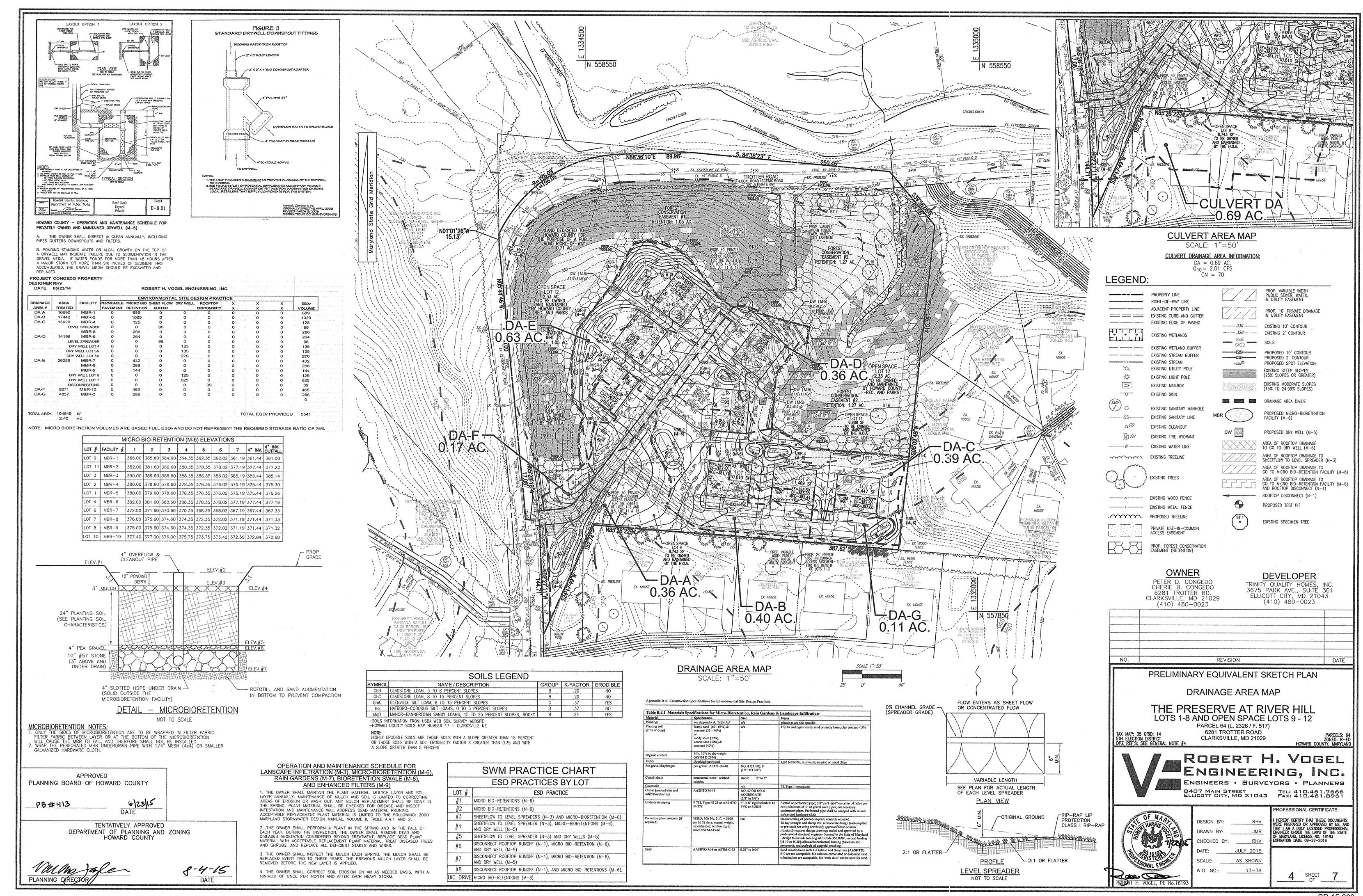
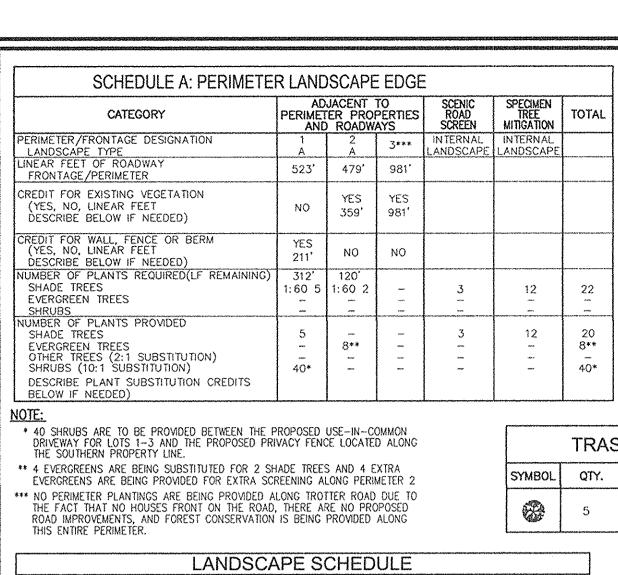


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SP-15-009



RIVEWAY FOR LOTS 1-3 AND THE PROPOSED PRIVACY FENCE LOCATED ALONG HE SOUTHERN PROPERTY LINE.		TRAS	H PAD LANDSCA	APING
EVERGREENS ARE BEING SUBSTITUTED FOR 2 SHADE TREES AND 4 EXTRA VERGREENS ARE BEING PROVIDED FOR EXTRA SCREENING ALONG PERIMETER 2	SYMBOL	QTY.	DESCRIPTION	SIZE
O PERIMETER PLANTINGS ARE BEING PROVIDED ALONG TROTTER ROAD DUE TO HE FACT THAT NO HOUSES FRONT ON THE ROAD, THERE ARE NO PROPOSED DAD IMPROVEMENTS, AND FOREST CONSERVATION IS BEING PROVIDED ALONG HIS ENTIRE PERIMETER		5	DWARF JAPANESE YEW	3'-4' HT

	LANDSCAPE SCHEDULE									
SYMBOL	KEY	QUAN.	BOTANICAL NAME	SIZE	REMARKS					
+	AR	4	ACER RUBRUM 'RED SUNSET' RED SUNSET RED MAPLE	2 1/2"-3" CAL.	В & В					
	QP	4	QUERCUS PHELLOS WILLOW OAK	2 1/2"-3" CAL.	8 & 8					
*	CL	8	CUPPRESSOCYPARIS LEYLANDI LEYLAND CYPRESS	5'-6' HEIGHT	8 & 8					
\otimes	almatik	40	AZALEA 'HINO CRIMSON' HINO CRIMSON AZALEA	18"—24" SPREAD	8 & 8					
2000	СК	12	CLADRASTIS KENTUKEA (LUTEA) YELLOWWOOD	2 1/2"-3" CAL.	B & B					

GENERAL NOTES:

LANDSCAPING FOR LOTS 1-12 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL A FINANCIAL SURETY IN THE AMOUNT OF \$10,660.00 FOR THE REQUIRED 20 SHADE TREES, 8 EVERGREEN TREES, 45 SHRUBS (40: PERIMETER 1, 5: TRASH PAD), AND 211 LINEAR FEET OF FENCING SHALL BE POSTED AT THE TIME OF FINAL PLAT SUBMISSION.

ANDSCAPE NOTES

AT THE TIME OF PLANT INSTALLATION, ALL SHRUBS AND TREES LISTED AND APPROVED ON THE LANDSCAPE PLAN, SHALL COMPLY WITH THE PROPER HEIGHT REQUIREMENT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL, IN ADDITION, NO SUBSTITUTIONS OR RELOCATIONS OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING, ANY DEVIATION FROM THE APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO THE APPLICABLE PLANS.

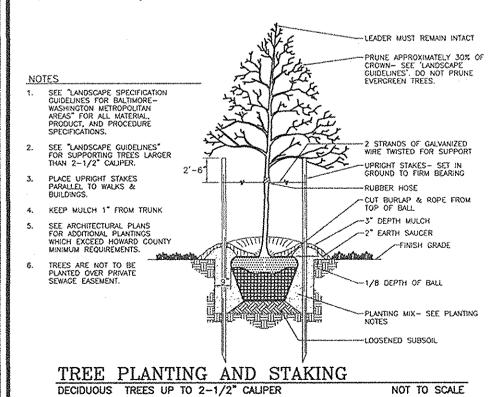
THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE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

SHOULD ANY TREE DESIGNATED FOR PRESERVATION FOR WHICH LANDSCAPING CREDIT IS GIVEN. DIE PRIOR TO RELEASE OF BONDS. THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR WITH A TREE WHICH WILL OBTAIN THE SAME HEIGHT, SPREAD, AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3 INCHES IN CALIPER AND INSTALLED AS REQUIRED IN THE HOWARD COUNTY LANDSCAPE MANUAL.

PLANTINGS SHOWN HEREON ARE THE RESPONSIBLITY OF THE DEVELOPER TO INSTALL DURING THE CONSTRUCTION OF THE FINAL PLAN.

LANDSCAPE SCHEDULE NOTE:

ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH HRD PLANTING SPECIFICATIONS. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. . FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES. CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING, IF PLAN DIFFERS FROM LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.

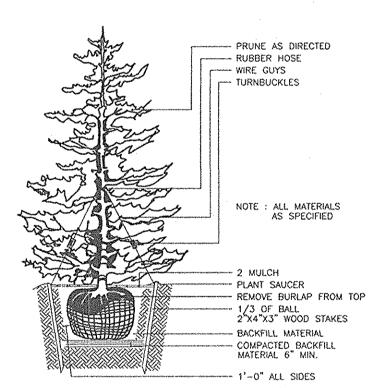


NOT TO SCALE TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING

HOWARD COUNTY

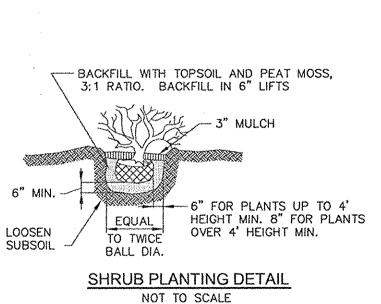
8-4-15

APPROVED PLANNING BOARD OF HOWARD COUNTY PB # 413

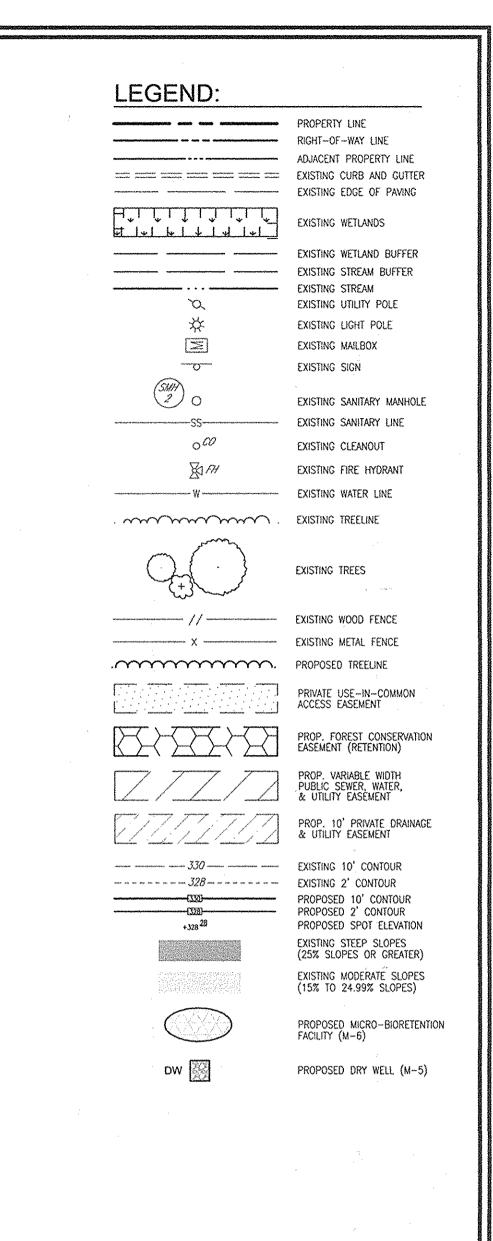


REMARKS

TYPICAL EVERGREEN TREE PLANTING DETAIL







OWNER PETER D. CONGEDO CHERIE B. CONGEDO 6281 TROTTER RD. CLARKSVILLE, MD 21029 (410) 480-0023

DEVELOPER TRINITY QUALITY HOMES, INC. 3675 PARK AVE., SUITE 301 ELLICOTT CITY, MD 21043 (410) 480-0023

REVISION PRELIMINARY EQUIVALENT SKETCH PLAN

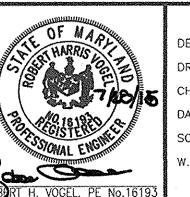
LANDSCAPE PLAN THE PRESERVE AT RIVER HILL

LOTS 1-8 AND OPEN SPACE LOTS 9 - 12 PARCEL 64 (L. 2326 / F. 517) 6281 TROTTER ROAD TAX MAP: 35 GRID: 14 5TH ELECTION DISTRICT DPZ REF'S: SEE GENERAL NOTE #4 PARCELS: 64 ZONED: R-ED HOWARD COUNTY, MARYLAND CLARKSVILLE, MD 21029



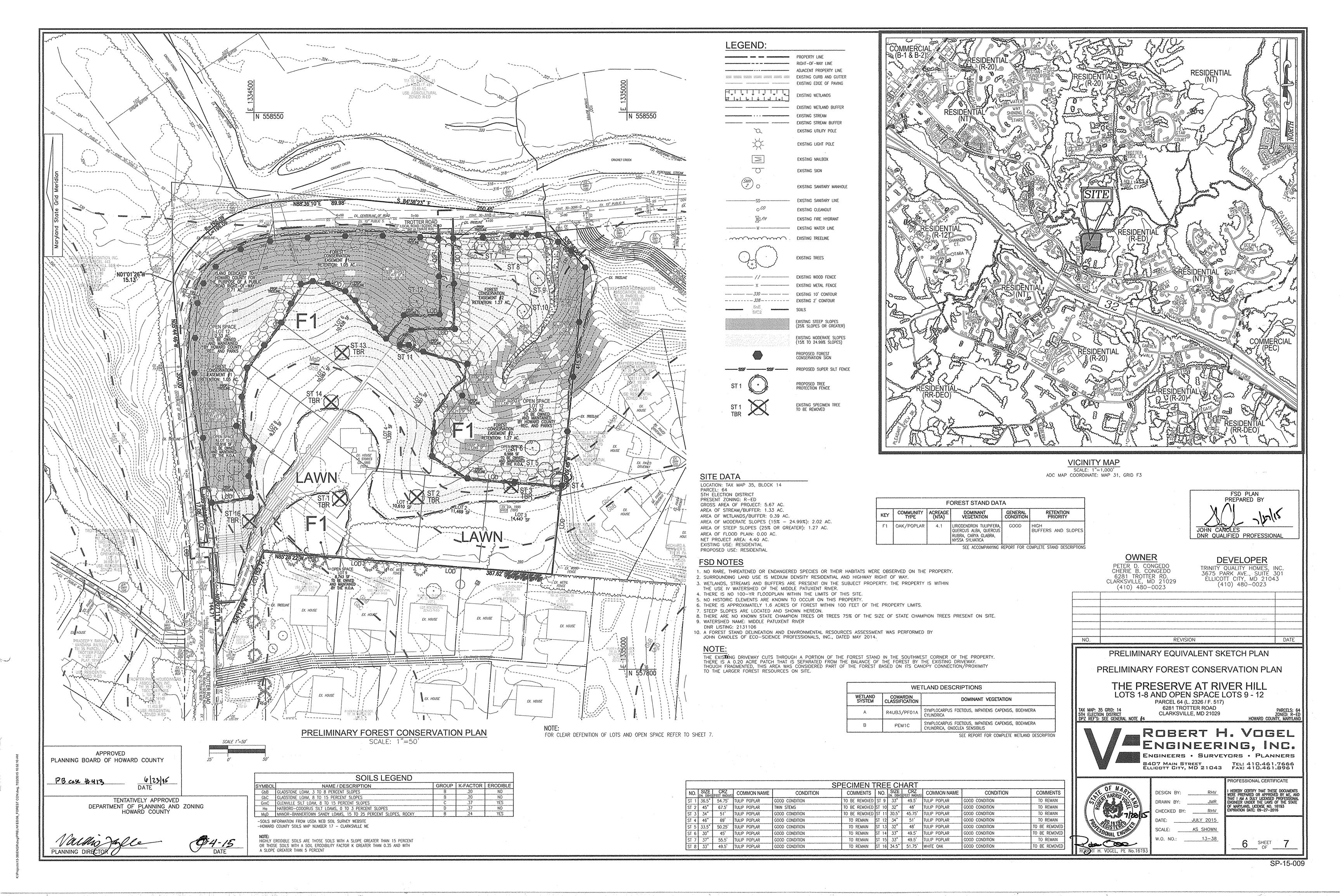
ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS

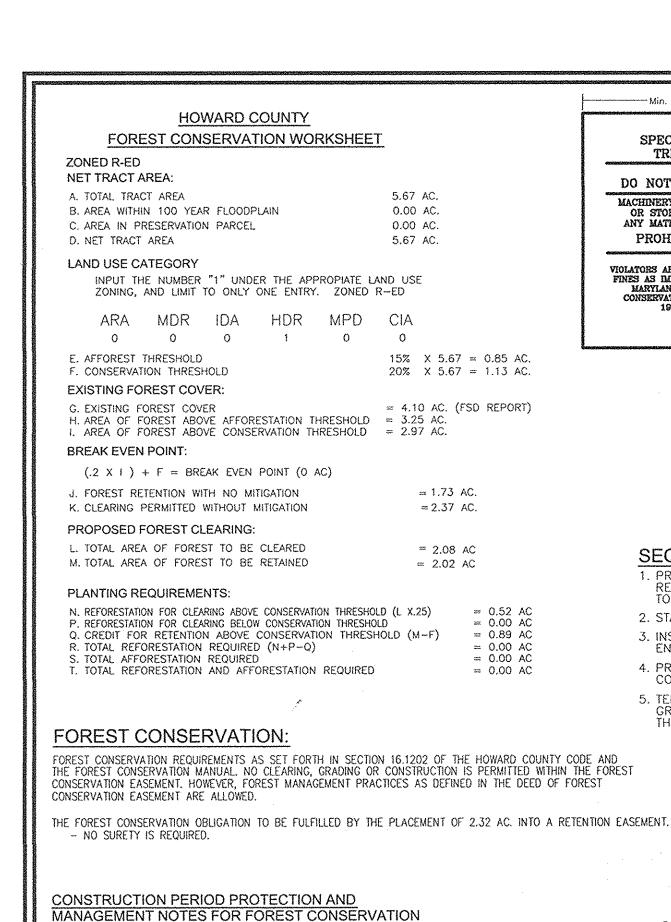
8407 Main Street Tel: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



RHV CHECKED BY: JULY 2015 AS SHOWN 13-38

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: 09-27-2016 SHEET OF _



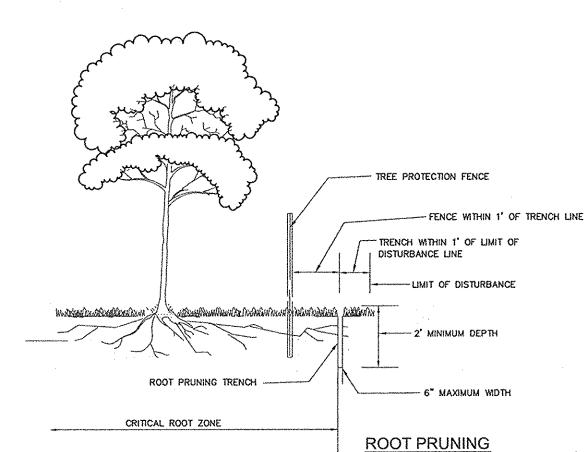


PRE-CONSTRUCTION PHASE

CONSTRUCTION PHASE

POST-CONSTRUCTION PHASE

3. DO NOT REMOVE SIGNS.



1. RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS. 2. BOUNDARIES OF RETENTION AREAS TO BE STAKED, FLAGGED AND/OR FENCED PRIOR TRENCHING. 3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED. 4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR ORGANIC SOIL. 5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

ST-4 - PROVIDE TREE PROTECTION FENCING PRIOR TO ANY GRADING OPERATIONS.

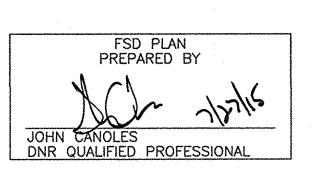
PRUNING PRIOR TO ANY GRADING OPERATIONS AND INSTALLATION OF UTILITIES.

ST-11 - PROVIDE TREE PROTECTION FENCING AND CARRY OUT REQUIRED ROOT

DETAIL E-3 SUPER SILT FENCE

- ANCHOR POSTS MUST BE PRIOR TO INSTALLING DEVICE.

4. ROOF DAMAGE SHOULD BE AVOIDED. BLAZE ORANGE PLASTIC MESH



PLANNING BOARD OF HOWARD COUNTY

PB case #413

TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

8-4=15

SPECIMEN FOREST TREE RETENTION AREA DO NOT DISTURB DO NOT REMOVE MACHINERY, DUMPING OR STORAGE OF MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS IS ANY MATERIALS IS PROHIBITED PROHIBITED

FOREST CONSERVATION AREA DO NOT DISTURB MACHINERY, DUMPING OR STORAGE OF any materials is PROHIBITED VIOLATORS ARE SUBJECT TO VINES AS IMPOSED BY THE MARYLAND FOREST CONSERVATION ACT OF

5. SIGN LOCATION SYMBOL = 🕙

VIOLATORS ARE SUBJECT TO FINES AS IMPOSED BY THE MARYLAND FOREST CONSERVATION ACT OF

1. BOTTOM OF SIGNS TO BE HIGHER THAN TOP OF TREE PROTECTION FENCE. SIGNS TO BE PLACED APPROXIMATELY 50-100' FEET APART. CONDITIONS ON SITE AFFECTING VISIBILITY MAY WARRANT PLACING SIGNS CLOSER OR FARTHER APART.

VIOLATORS ARE SUBJECT TO FINES AS IMPOSED BY THE MARYLAND FOREST CONSERVATION ACT OF

WHERE SIGNS ARE TO BE PLACED AT THE REAR OF PROPOSED LOTS, SPACING SHAL BE APPROX. 25-30'+/-3. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED. 4. ALL FOREST CONSERVATION SIGNAGE SHALL BE IN PLACE FOR PERPETUITY.

FOREST CONSERVATION AREA SIGNS

SEQUENCE OF CONTRUCTION-FOREST CONSERVATION

- 1. PRECONSTRUCTION MEETING /SITE WALK WITH CONTRACTORS AND OTHER RESPONSIBLE PARTIES TO DEFINE PROTECTION MEASURES TO BE UTILIZED AND TO POINT OUT PARTICULAR TREES TO BE SAVED. 2. STAKE OUT LIMITS OF DISTURBANCE AND TREE PROTECTION FENCING LOCATIONS.
- 3. INSTALL TREE PROTECTION FENCING: FENCING TO BE INSPECTED BY THE PROJECT ENGINEER OR THE PROJECT ECOLOGIST AND HOWARD COUNTY PLANNING AND ZONING.
- 4. PROCEED WITH TREE REMOVAL AND SITE IMPROVEMENTS AS PER APPROVED SEDIMENT CONTROL PLAN - TO BE INSPECTED BY HOWARD COUNTY PLANNING AND ZONING.

5. TEMPORARY TREE PROTECTION DEVICES SHALL BE REMOVED AFTER ALL FINISHED GRADING AND UTILITY CONSTRUCTION HAS OCCURED AND WITH APPROVAL FROM THE HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Proposed Forest Clearing Justification Note

The site contains approximately 4.10 acres of existing woods and there is approximately 1.65 acres of woods to be cleared in order to accommodate 8 proposed single family detached homes and the use-incommon driveway network. The development envelope was established by utilizing the previously cleared areas and avoiding the other environmental resources (steep slopes, wetlands and streams) to the greatest extent possible. There are six tulip poplar (specimen trees) to be removed and ten specimen trees to be retained (including a white oak). The tulip poplars are not considered to be a high value tree. In addition, the development area was designed to be buffered from Trotter Road (scenic road) to the greatest extent possible by the retention of existing trees.

OPEN SPACE

LOT 10

OPEN SPACE

FRONT FOOT DIMENSION EXHIBIT

SCALE: 1'=10'

-3.00

}-3.00'

-3.00

-3.00

--3.00'

LOT 8

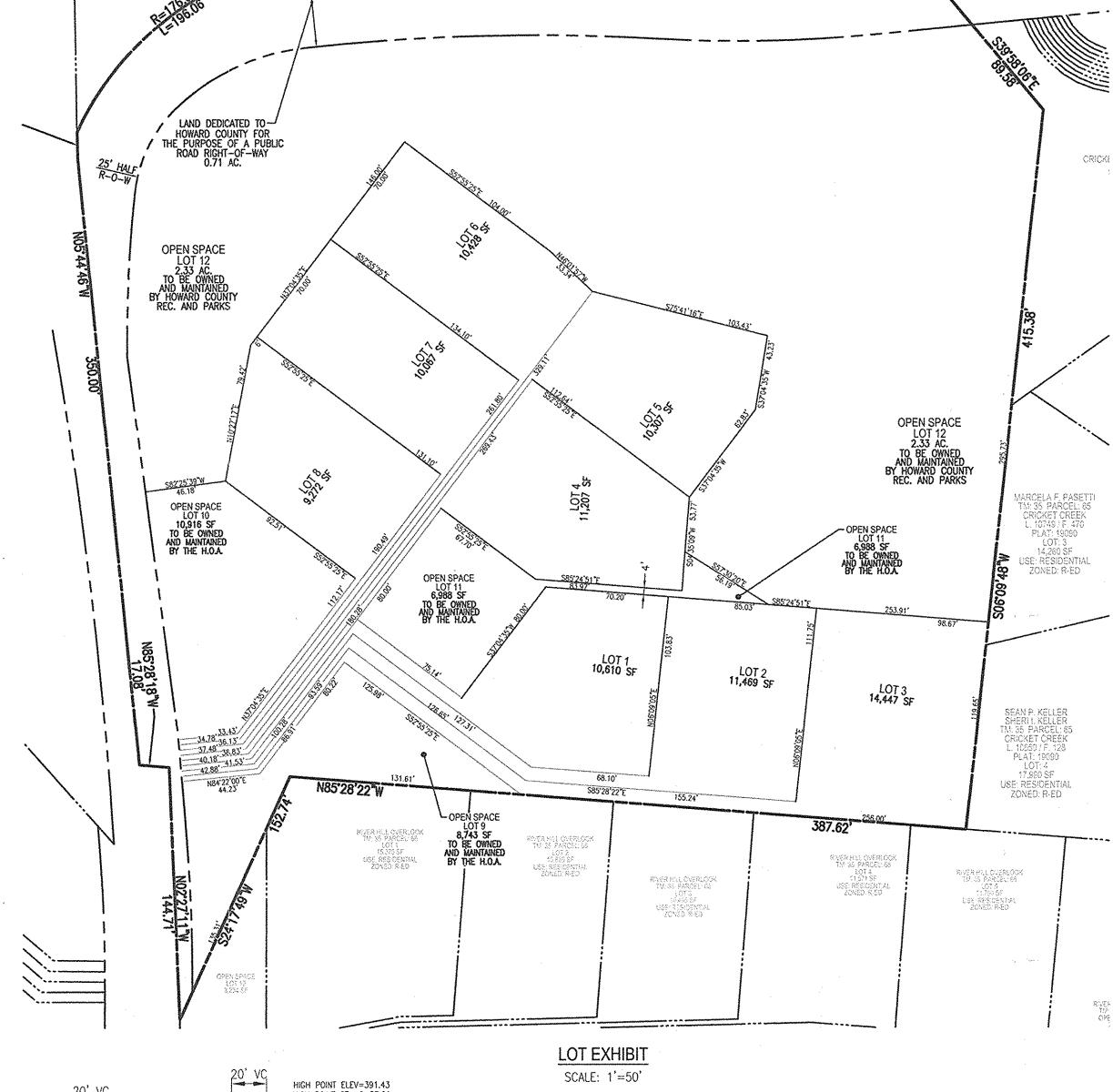
LOT 6

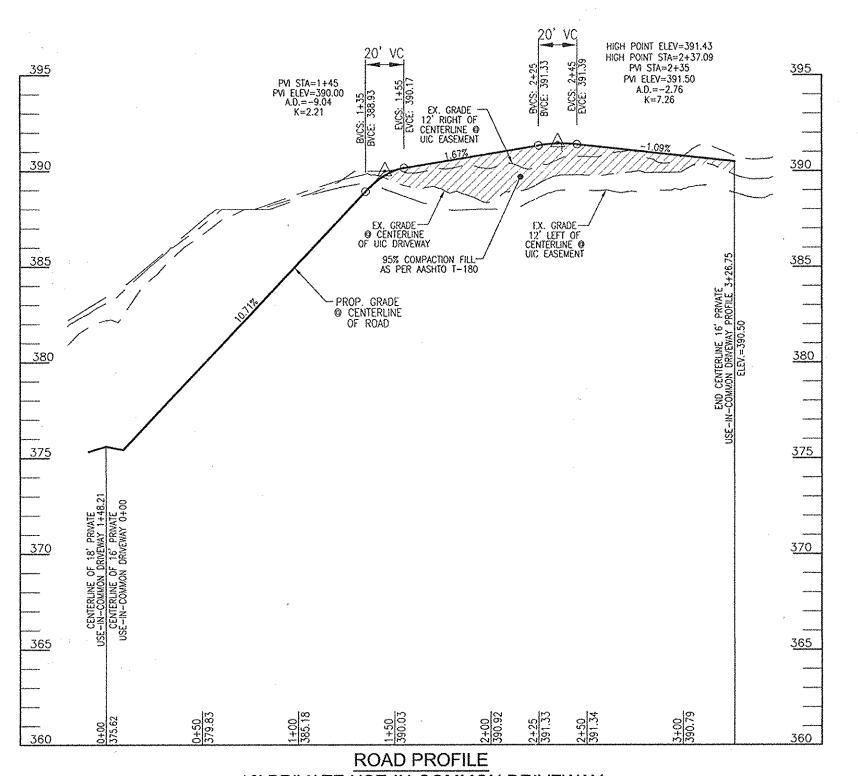
LOT S

LOT 3

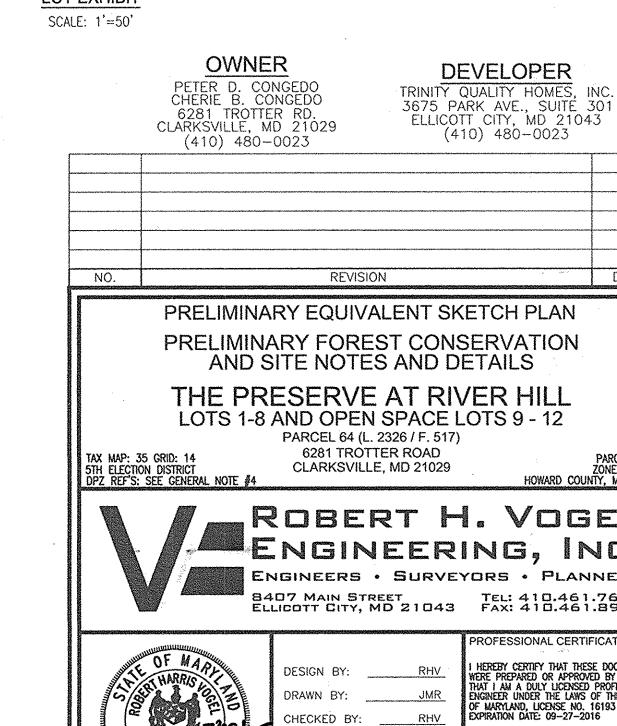
The lots and driveways were designed to keep the development envelope as compact as possible. The outfall for the public sewer is also design to minimize clearing and avoid specimen trees. The use-incommon driveway/grades have been designed to minimize grading and to conform to the existing topography to the greatest extent possible.

	SPECIMEN TREE CHART										
NO.	SIZE (IN. DBH)	CRZ (FEET RADIUS)	COMMON NAME	CONDITION	COMMENTS	NO.	SIZE (IN. DBH)	CRZ (FEET RADIUS)	COMMON NAME	CONDITION	COMMENTS
ST 1	36.5"		TULIP POPLAR	GOOD CONDITION	TO BE REMOVED	ST 9	33"	49.5'	TULIP POPLAR	GOOD CONDITION	to remain
ST 2	45"	67.5'	TULIP POPLAR	TWIN STEMS	TO BE REMOVED	ST 10	32"	48'	TULIP POPLAR	GOOD CONDITION	to remain
ST 3	34"	51'	TULIP POPLAR	GOOD CONDITION	TO BE REMOVED	ST 11	30.5"	45.75	TULIP POPLAR	GOOD CONDITION	to remain
ST 4	46"	69'	TULIP POPLAR	GOOD CONDITION	TO REMAIN	ST 12	34"	51'	TULIP POPLAR	GOOD CONDITION	TO REMAIN
ST 5	33.5"	50.25'	TULIP POPLAR	GOOD CONDITION	TO REMAIN	ST 13	32"	48'	TULIP POPLAR	GOOD CONDITION	TO BE REMOVED
ST 6	30"	45'	TULIP POPLAR	GOOD CONDITION	TO REMAIN	ST 14	33"	49.5'	TULIP POPLAR	GOOD CONDITION	TO BE REMOVED
ST 7	37"	55.5'	TULIP POPLAR	GOOD CONDITION	TO REMAIN	ST 15	33"	49.5'	TULIP POPLAR	GOOD CONDITION	to remain
ST 8	33"	49.5	TULIP POPLAR	GOOD CONDITION	TO REMAIN	ST 16	34.5	51.75	WHITE OAK	GOOD CONDITION	TO BE REMOVED





L. 2519 (F. 395, 3-26-199) (OUR S/E FROM 2326/517



PRELIMINARY EQUIVALENT SKETCH PLAN PRELIMINARY FOREST CONSERVATION AND SITE NOTES AND DETAILS THE PRESERVE AT RIVER HILL LOTS 1-8 AND OPEN SPACE LOTS 9 - 12 ZONED: R-ED HOWARD COUNTY, MARYLAND ROBERT H. VOGEL ENGINEERING, INC. Engineers • Surveyors • Planners 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961 ROFESSIONAL CERTIFICATE HEREBY CERTIFY THAT THESE DOCUMENTS FERE PREPARED OR APPROVED BY ME, AND HAT I AM A DULY LICENSED PROFESSIONAL INGINEER UNDER THE LAWS OF THE STATE 16' PRIVATE USE-IN-COMMON DRIVEWAY AS SHOWN SCALE: HORIZONTAL - 1"=50" 13-38 W.O. NO.: VERTICAL - 1"=5"

- FENCE WITHIN 1' OF TRENCH LINE

ANCHOR POSTS SHOULD BE
MINIMUM 2" STEEL "U" CHANNEL
OR 2" X 2" TIMBER, 6' IN LENGTH. MAXIMUM 8 FEET USE 2" X 4" LUMBER FOR CROSS BEARING

. FOR RETENTION AREAS, INSTALL BLAZE ORANGE FENCE, SUPER SILT FENCE,

2. FENCING SHALL BE MAINTAINED IN GOOD CONDITION AND PROMPTLY REPAIRED OR RESTORED AS THE SITUATION WARRANTS.

3. A QUALIFIED TREE CARE EXPERT SHALL DETERMINE IF ROOT PRUNING IS REQUIRED ALONG THE LIMIT OF DISTURBANCE. ROOT PRUNE TREES AS REQUIRED, WATER ANY ROOT—PRUNED TREES IMMEDIATELY AFTER ROOT—PRUNING

. NO DISTURBANCE OR DUMPING IS ALLOWED INSIDE THE TREE RETENTION AREA.

3. IN THE EVENT OF DROUGHT, THE PROTECTED TREES SHALL BE MONITORED FOR SIGNS OF STRESS AND WATERED AS NEEDED.

AT THE DIRECTION OF A QUALIFIED TREE CARE EXPERT, DAMAGES TO RETAINED TREES SHALL BE REPAIRED BY THE CONTRACTOR.

2. FENCE REMOVAL AND STABILIZATION SHALL BE AS PER THE SEDIMENT AND EROSION CONTROL PLAN.

HIGHLY VISABLE FLAGGING

2. NO EQUIPMENT SHALL BE OPERATED INSIDE THE TREE RETENTION AREA INCLUDING TREE CANOPIES.

AND RETENTION SIGNS BEFORE CONSTRUCTION BEGINS.

AND MONITOR FOR SIGNS OF STRESS DURING CONSTRUCTION.

FOREST PROTECTION DEVICE ONLY.
 RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED

TYPICAL TREE PROTECTION FENCE DETAIL

CHAIN LINK FENCING-WOVEN SLIT FILM GEOTEXTILE-

INSTALL 2% INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART, DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.

FASTEN 9 GAUGE OR HEAVER GALVANIZED CHAIN LINK FENCE (2% INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS. FASTEN WOVEN SUT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION, EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES MITO THE GROUND,

5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DECREES TO THE MAIN FENCE AUGMMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.

REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL FROSION AND SEDIMENT CONTROL