



THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR HEATHERMORE #4-11003. IF HEATHERMORE #4-11003 EXPIRES, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER VALID. CUTTING OR CLEARING WOODLANDS NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$9.00 PER SOUARE FOOT MITIGATION FEE A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS. THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION OR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES, AS APPROPRIATE, SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL THE DEVELOPER OR BUILDER OF THE LOTS OR PARCELS SHOWN ON THIS PLAN SHALL NOTIFY FUTURE BUYERS OF ANY WOODLAND CONSERVATION AREAS THROUGH THE PROVISION OF A COPY OF THIS PLAN AT TIME OF CONTRACT SIGNING. FUTURE PROPERTY OWNERS ARE ALSO SUBJECT TO THIS REQUIREMENT. THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED

THE PROPERTY IS WITHIN THE DEVELOPING TIER AND IS ZONED R-30. THIS SITE IS NOT ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, A PARKWAY OR A SCENIC BYWAY. THE SITE IS ADJACENT TO HEATHERMORE BOULEVARD WHICH IS CLASSIFIED AS A

MAJOR COLLECTOR. THIS PLAN IS NOT GRANDFATHERED UNDER CB-27-2010, SECTION 25,117(G).

TREE PRESERVATION AND RETENTION NOTES 10. ALL WOODLANDS DESIGNATED ON THIS PLAN FOR PRESERVATION ARE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE WOODLAND AREAS SHALL REMAIN IN A NATURAL STATE. THIS INCLUDES THE CANOPY TREES AND UNDERSTORY VEGETATION. A REVISED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE

CLEARED ON THE APPROVED TCP2. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN. THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPFS) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PRIOR TO THE

PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATIONS BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPFS MAY BEGIN. ALL TEMPORARY TREE PROTECTION FENCING REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE BOND IS RELEASED FOR THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON

THE PLANS AT THE SAME TIME AS THE TEMPORARY TCF INSTALLATION. THESE SIGNS MUST REMAIN IN PERPETUITY.

REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS THE DEVELOPER AND/OR BUILDER IS RESPONSIBLE FOR THE COMPLETE PRESERVATION OF ALL FORESTED AREAS SHOWN ON THE APPROVED PLAN TO REMAIN UNDISTURBED. ONLY TREES OR PARTS THEREOF DESIGNATED BY THE COUNTY AS DEAD, DYING OR HAZARDOUS MAY BE REMOVED. . A TREE IS CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS A CERTIFIED ARBORIST OR LICENSED TREE EXPERT TO BELIEVE THAT THE TREE OR A

PORTION OF THE TREES HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE,

PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR

PROPERTY DAMAGE. DURING THE INITIAL STAGES OF CLEARING AND GRADING, IF HAZARDOUS TREES ARE PRESENT, OR TREES ARE PRESENT THAT ARE NOT HAZARDOUS BUT ARE LEANING INTO THE DISTURBED AREA, THE PERMITEE SHALL REMOVE SAID TREES USING A CHAIN SAW. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE HAZARDOUS TREE OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE COUNTY INSPECTOR. ONLY AFTER APPROVAL BY THE INSPECTOR MAY THE TREE BE CUT BY CHAINSAW TO NEAR THE EXISTING GROUND LEVEL. THE STUMP SHALL NOT BE REMOVED OR

COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT WOULD INHIBIT . IF A TREE OR TREES BECOME HAZARDOUS PRIOR TO BOND RELEASE FOR THE PROJECT, DUE TO STORM EVENTS OR OTHER SITUATIONS NOT RESULTING FROM AN ACTION BY THE PERMITEE, PRIOR TO REMOVAL, A CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MUST CERTIFY THAT THE TREE OR THE PORTION OF THE TREE IN QUESTION HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE

IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A-300 PRUNING STANDARDS. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOGRAPHS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR

DEBRIS FROM THE TREE REMOVAL OR PRUNING THAT OCCURS WITHIN 35 FEET OF THE WOODLAND EDGE MAY BE REMOVED AND PROPERLY DISPOSED OF BY RECYCLING. CHIPPING OR OTHER ACCEPTABLE METHODS. ALL DEBRIS THAT IS MORE THAN 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT.

TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

DEBRIS PILES SHOWN IN WOODLAND PRESERVATION AREAS SHALL BE REMOVED BY HAND WITHOUT THE USE OF MECHANICAL EQUIPMENT WITHIN THE PRESERVATION AREA. CHAINS MAY BE USED TO PULL DEBRIS OUT OF THE PRESERVATION AREAS. CAUTION MUST BE USED NOT TO DAMAGE REMAINING VEGETATION.

FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com http://www.missutility.net

DOCUMENTATION OF THE DAMAGE.

48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF THE START OF EXCAVATION.

AFFORESTATION AND REFORESTATION NOTES ALL AFFORESTATION AND REFORESTATION BONDS, BASED ON SQUARE FOOTAGE. SHALL BE POSTED WITH THE COUNTY PRIOR TO THE ISSUANCE OF ANY PERMITS. THESE BONDS WILL BE RETAINED AS SURETY UNTIL ALL REQUIRED ACTIVITIES HAVE BEEN SATISFIED OR THE REQUIRED TIMEFRAME FOR MAINTENANCE HAS PASSED

WHICHEVER IS LONGER. THE PLANTING OF AFFORESTATION OR REFORESTATION AREAS SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT. ( THIS STANDARD NOTE MAY BE MODIFIED AS NECESSARY TO ADDRESS WHICH BUILDING PERMITS ARE ADJACENT TO THE PROPOSED PLANTING AREA.) SEEDLING PLANTING IS TO OCCUR FROM NOVEMBER THROUGH MAY ONLY. NO PLANTING SHALL BE DONE WHILE THE GROUND IS FROZEN. PLANTING WITH LARGER CALIPER STOCK OR CONTAINERIZED STOCK MAY BE DONE IF PLANTING CANNOT OCCUR DUE TO PLANTING CONDITIONS. THE DEVELOPER OR PROPERTY OWNER SHALL INSTALL THE FENCING AND SIGNAGE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN. PLANTING SHALL THEN BE ACCOMPLISHED DURING THE NEXT PLANTING SEASON, IF PLANTING IS DELAYED BEYOND THE TRANSFER OF THE PROPERTY TITLE TO THE HOMEOWNER, THE DEVELOPER OR BUILDER SHALL OBTAIN A SIGNED STATEMENT FROM THE PURCHASER

INDICATING THAT THEY UNDERSTAND THAT THE REFORESTATION AREA IS LOCATED

ON THEIR PROPERTY AND THAT REFORESTATION WILL OCCUR DURING THE NEXT PLANTING SEASON. A COPY OF THAT DOCUMENT SHALL BE PRESENTED TO THE COUNTY INSPECTOR. REFORESTATION AREAS SHALL NOT BE MOWED. THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES AND THE REMOVAL OF NOXIOUS, INVASIVE AND NON-NATIVE VEGETATION WITHIN THE REFORESTATION AREAS IS ACCEPTABLE. ALL REQUIRED TEMPORARY TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR

TO THE CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE PERMANENT TREE PROTECTION FENCING IS INSTALLED WITH THE REQUIRED PLANTING. THE TEMPORARY FENCING IS NOT REQUIRED TO BE INSTALLED IF THE PERMANENT FENCING IS INSTALLED PRIOR TO THE CLEARING AND GRADING OF THE SITE. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE FENCING IS A VIOLATION OF THIS TCP2.

AFFORESTATION / REFORESTATION AREAS SHALL BE POSTED WITH NOTIFICATION SIGNAGE, AS SHOWN ON THE PLANS, AT THE SAME TIME AS THE PERMANENT PROTECTION FENCING INSTALLATION. THESE SIGNS SHALL REMAIN IN PERPETUITY. THE COUNTY INSPECTOR SHALL BE NOTIFIED PRIOR TO SOIL PREPARATION OR INITIATION OF ANY TREE PLANTING ON THIS SITE. AT TIME OF ISSUANCE OF THE FIRST PERMIT, THE FOLLOWING INFORMATION SHALL

BE SUBMITTED TO THE M-NCPPC PLANNING DEPARTMENT REGARDING THE CONTRACTOR RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN: CONTRACTOR NAME, BUSINESS NAME (IF DIFFERENT), ADDRESS, AND PHONE NUMBER. RESULT OF ANNUAL SURVIVAL CHECK FOR EACH OF THE REQUIRED FOUR YEARS AFTER TREE PLANTING SHALL BE REPORTED TO THE M-NCPPC, PLANNING

DEPARTMENT. 0. FAILURE TO ESTABLISH THE AFFORESTATION OR REFORESTATION WITHIN THE PRESCRIBED TIME FRAME WILL RESULT IN THE FORFEITURE OF THE REFORESTATION BOND AND/OR A VIOLATION OF THIS PLAN INCLUDING THE ASSOCIATED \$9.00 PER SQUARE FOOT PENALTY UNLESS THE COUNTY INSPECTOR APPROVES A WRITTEN

## PLANTING SPECIFICATION NOTES 1. QUANTITY: (SEE PLANT SCHEDULE)

2. TYPE: (SEE PLANT SCHEDULE)

3. PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVE OF THEIR SPECIES. SEEDLINGS SHALL HAVE A MINIMUM TOP GROWTH OF 18". THE DIAMETER OF THE ROOT COLLAR (THE PART OF THE ROOT JUST BELOW GROUND LEVEL) SHALL BE AT LEAST 3/8". THE ROOTS SHALL BE WELL DEVELOPED AND AT LEAST 8" LONG, NO MORE THAN TWENTY-FIVE PERCENT (25%) OF THE ROOT SYSTEM (BOTH PRIMARY AND AUXILIARY/FIBROUS ROOTS SHALL BE PRESENT.

PLANTS THAT DO NOT HAVE AN ABUNDANCE OF WELL DEVELOPED TERMINAL BUDS ON THE LEADERS AND BRANCHES SHALL BE REJECTED. PLANTS SHALL BE SHIPPED BY THE NURSERY IMMEDIATELY AFTER LIFTING FROM THE FIELD OR REMOVAL FROM THE GREEN HOUSE, AND PLANTED IMMEDIATELY UPON RECEIPT BY THE LANDSCAPE CONTRACTOR.

IF THE PLANTS CANNOT BE PLANTED IMMEDIATELY AFTER DELIVERY TO THE REFORESTATION SITE, THEY SHALL BE STORED IN THE SHADE WITH THEIR ROOT MASSES PROTECTED FROM DIRECT EXPOSURE TO SUN AND WIND BY THE USE OF STRAW, PEAT MOSS, COMPOST, OR OTHER SUITABLE MATERIAL ANS SHALL BE MAINTAINED THROUGH PERIODIC WATERING, UNTIL THE TIME OF PLANTING. PLANT HANDLING: THE QUANTITY OF SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT CAN BE PLANTED IN A DAY. SEEDLINGS, ONCE REMOVED FROM THE NURSERY OR TEMPORARY STORAGE AREA SHALL BE PLANTED IMMEDIATELY.

TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING BUDDING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL. WHEN THE SOILS IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE THE GROUND IS FROZEN. PLANTING SHALL OCCUR WITHIN ONE GROWING SEASON OF THE ISSUANCE OF GRADING/BUILDING PERMITS AND/OR REACHING THE FINAL GRADES AND STABILIZATION OF PLANTING AREAS.

SEEDLING PLANTING: TREE SEEDLINGS SHALL BE HAND PLANTED USING A DIBBLE BAR OR SHARP-SHOOTER SHOVEL. IT IS IMPORTANT THAT THE SEEDLING BE PLACED IN THE HOLE SO THAT THE ROOTS CAN SPREAD OUT NATURALLY; THEY SHALL NOT BE TWISTED, BALLED UP OR BENT. MOIST SOIL SHOULD THEN BE PACKED FIRMLY AROUND THE ROOTS. SEEDLINGS SHOULD BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE GROUND SURFACE. AIR POCKETS SHOULD NOT BE LEFT AFTER CLOSING THE HOLD WHICH WOULD ALLOW THE ROOTS TO DRY OUT. SEE PLANTING DETAILS FOR FURTHER EXPLANATION. IF THE CONTRACTOR WISHES TO PLANT BY ANOTHER METHOD, THE PREPARER OF THIS TREE CONSERVATION PLAN MUST BE CONTRACTED AND GIVE HIS APPROVAL BEFORE PLANTING MAY BEGIN.

SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENTS. ALSO REFER TO THE PLANTING LAYOUT DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY. SOIL: UPON THE COMPLETION OF ALL GRADING OPERATIONS, A SOIL TEST SHALL BE CONDUCTED TO DETERMINE WHAT SOIL PREPARATION AND SOIL AMENDMENTS. IF ANY, ARE NECESSARY TO CREATE GOOD TREE GROWING CONDITIONS. SOIL SAMPLES SHALL BE TAKEN AT A RATE THAT PROVIDES ON SOIL SAMPLE FOR EACH AREA THAT

APPEARS TO HAVE A DIFFERENT SOIL TYPE (IF THE ENTIRE AREA APPEARS UNIFORM. THEN ONLY ON SAMPLE IS NECESSARY), AND SUBMITTED FOR TESTING TO A PRIVATE COMPANY. THE COMPANY OF CHOICE SHALL MAKE RECOMMENDATIONS FOR IMPROVING THE EXISTING SOIL. THE SOIL WILL BE TESTED AND RECOMMENDED FOR CORRECTIONS OF SOIL TEXTURE, PH, MAGNESIUM, PHOSPHORUS, POTASSIUM, CALCIUM AND ORGANIC MATTER. SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY. ). FENCING AND SIGNAGE: FINAL PROTECTIVE FENCING SHALL BE PLACED ON THE

VISIBLE AND/OR DEVELOPMENT SIDE OF PLANTING AREAS. THE FINAL PROTECTIVE FENCE SHALL BE INSTALLED UPON COMPLETION OF PLANTING OPERATIONS UNLESS IT WAS INSTALLED DURING THE INITIAL STAGES OF DEVELOPMENT. SIGNS SHALL BE POSTED PER THE SIGNAGE DETAIL ON THIS SHEET. PLANTING METHOD: CONSULT THE PLANTING DETAIL(S) SHOWN ON THIS PLAN. 2. MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREDDED HARDWOOD

MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN). 3. GROUNDCOVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLING PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/ACRE. 4. MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA. 15. SURVIVAL CHECK FOR BOND RELEASE: THE SEEDLING PLANTING IS TO BE CHECKED

AT THE END OF EACH YEAR FOR FOUR YEARS TO ASSURE THAT NO LESS THAN 75% OF THE ORIGINAL PLANTED QUANTITY SURVIVES. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL SEEDLINGS TO REACH THE REQUIRED NUMBER AT TIME OF PLANTING. 16. SOURCE OF SEEDLINGS:

POST DEVELOPMENT NOTES WHEN WOODLANDS AND/OR SPECIMEN, HISTORIC OR CHAMPION TREES ARE TO

a. IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY AND THE NEW OWNER DESIRES TO REMOVE A HAZARDOUS TREE OR PORTION THEREOF. THE NEW OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM A CERTIFIED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. AFTER PROPER DOCUMENTATION HAS BEEN COMPLETED PER THE HANDOUT "GUIDANCE FOR PRINCE GEORGE'S COUNTY PROPERTY OWNERS, PRESERVATION OF WOODLAND CONSERVATION AREAS". THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. THE STUMP SHALL BE CUT AS CLOSE TO THE GROUND AS POSSIBLE AND LEFT IN PLACE. THE REMOVAL OR GRINDING OF THE STUMPS IN THE WOODLAND CONSERVATION AREA IS

IF A TREE OR PORTION THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE. PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY, THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT. . THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE PLANT SPECIES FROM ANY WOODLAND PRESERVATION AREA SHALL BE DONE WITH THE USE OF HAND-HELD

EQUIPMENT ONLY (PRUNERS OR A CHAIN SAW), THESE PLANT MAY BE CUT NEAR THE GROUND AND MATERIAL LESS THAN TWO INCHES DIAMETER MAY BE REMOVED FROM THE AREA AND DISPOSED OF APPROPRIATELY. ALL MATERIAL FROM THESE NOXIOUS, INVASIVE, AND NON-NATIVE PLANTS GREATER THAN TWO (2) INCHES DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE

USE OF HERBICIDES TO DISCOURAGE RE-SPROUTING OF INVASIVE, NOXIOUS, OR NON-NATIVE PLANTS IS PERMITTED IF DONE AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANT TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL

THE USE OF CHAINSAWS IS EXTREMELY DANGEROUS AND SHOULD NOT BE CONDUCTED WITH POORLY MAINTAINED EQUIPMENT, WITHOUT SAFETY EQUIPMENT, OR BY INDIVIDUALS NOT TRAINED IN THE USE OF THIS EQUIPMENT FOR THE PRUNING AND/OR CUTTING OF TREES.

PROTECTION OF REFORESTATION AND AFFORESTATION AREAS BY INDIVIDUAL

REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN REFORESTATION AREAS SHALL NOT BE MOWED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION AROUND INDIVIDUAL TREES IS ACCEPTABLE.

FOUR-YEAR MANAGEMENT PLAN FOR RE/AFFORESTATION AREAS

FIELD CHECK THE RE-AFFORESTATION AREA ACCORDING TO THE FOLLOWING

YEAR 1: SITE PREPARATION AND TREE PLANTING SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER) SEE NOTE 1) WATERING IS NEEDED (2 X MONTH) CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1 X JUNE AND 1X IN SEPTEMBER MIN.)

YEAR 2-3: REINFORCEMENT PLANTING IS NEEDED (SEE NOTE 2) SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMEBER) CONTROL OF UNDESIRABLE VEGETATION IF NEEDED (1 X IN MAY AND 1 X IN

YEAR 4: REINFORCEMENT PLANTING IF NEEDED. (SEE NOTE 2) SURVIVAL CHECK (SEPTEMBER-NOVEMEBER)

> 1. SURVIVAL CHECK: CHECK PLANTED STOCK AGAINST PLANT LIST (OR AS-BUILT) BY WALKING THE SITE AND TAKING INVENTORY. PLANTS MUST SHOW VITALITY. SUBMIT FIELD DATA FORMS (CONDITION CHECK SHEETS) TO OWNER AFTER EACH INSPECTION. REMOVE ALL DEAD PLANTS. 2. REINFORCEMENT PLANTING: REPLACE DEAD OR MISSING PLANTS IN SUFFICIENT QUANTITY TO BRING THE TOTAL NUMBER OF LIVE PLANTS TO AT LEAST 75% OF THE NUMBER ORIGINALLY PLANTED, IF A PARTICULAR SPECIES SUFFERS UNUSUALLY HIGH MORTALITY, REPLACE WITH AN ALTERNATIVE 3. MISCELLANEOUS: FERTILIZATION OR WATERING DURING YEARS 1 THROUGH 3 WILL BE DONE ON AS NEEDED BASIS. SPECIAL RETURN OPERATION OR RECOMMENDATIONS WILL BE CONDUCTED ON AN AS NEEDED BASIS.

PLANTING DISTRIBUTION PATTERNS **AFFORESTATION & REFORESTATION AREAS** 

AGGREGATE DISTRIBUTION DRIFT

THAT TAPER OUT ALONG EDGES. LONGATED OR TEAR-DROP

TYPICAL FOREST TREE DISTRIBUTION PATTERNS NONRANDOM NONRANDOM CLUMPED POSITIVE ASSOCIATION NEGATIVE ASSOCIATION

SPECIES 1 SPECIES 2 NATURALLY OCCURING POPULATIONS OF TREESTEND TO BE FOUND IN INFORMAL GROUPINGS. A CLUSTER OF TREES IS REALLY A MOSAIC OF DIFERENT SPECIES GROUPS. THE OBJECTIVE OF AN AFFORESTATION/ REFORESTATION PLAN IS TO SELECT THE APPROPRIATE SPECIES AND DISTRIBUTION PATTERN FOR A CHOSEN SITE THAT MIMICS NATURAL

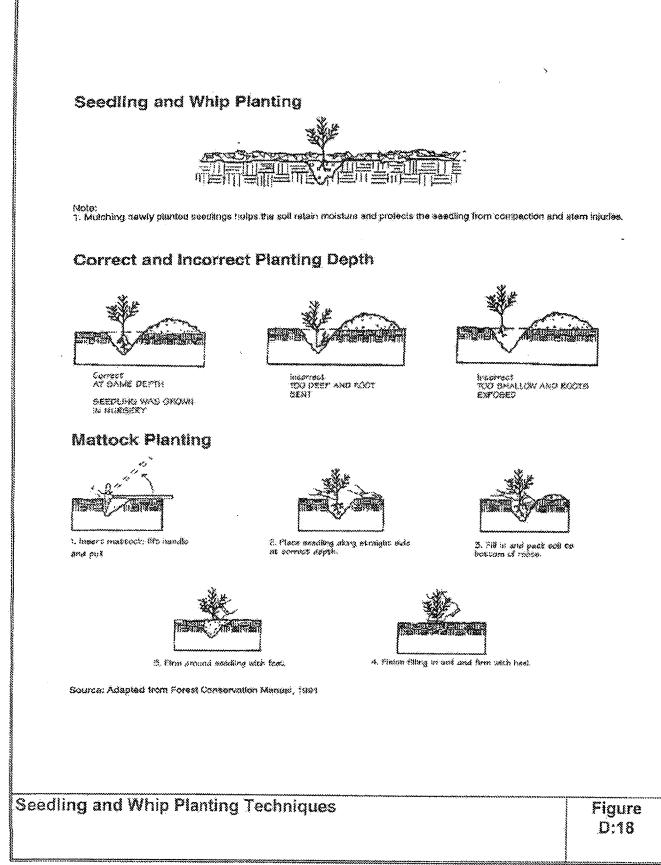
PROTECTIVE FENCING

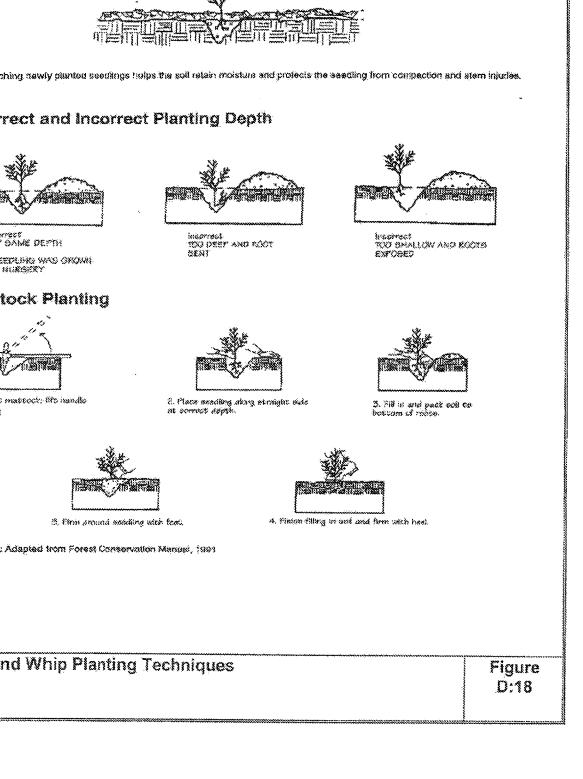
MIXING TRANSPLANT STOCK

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SUCCESSION.

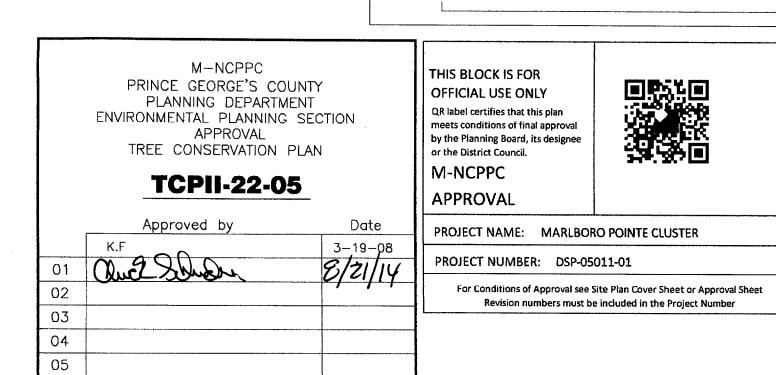
LOCATE LARGER TREES (8&8 OR CONTAINER) OR TRANSPLANT STOCK AT THE PERIMETER OF REFORESTATION (AFFORESTATION) PLANTINGS OF WHIPS OR SEEDLING





## **CONDITION CHECK SHEET**

ROJECT N	IAME:		DATE:						
SPECII	ES	NUMBER FROM LAST CHECK	NUMBER FROM THIS CHECK	соныпок					
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[ ;	SPECIA	L NOTES:							
	RECOM	MENDATIONS:							





**Dewberry**®

OWNER/APPLICANT

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CLU(1-14 F, 1-27

PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1079, EXPIRATION DATE: JULY 14, 2014

KEY PLAN

SCALE

No. DATE BY Description REVISIONS

TYPE II TREE CONSERVATION

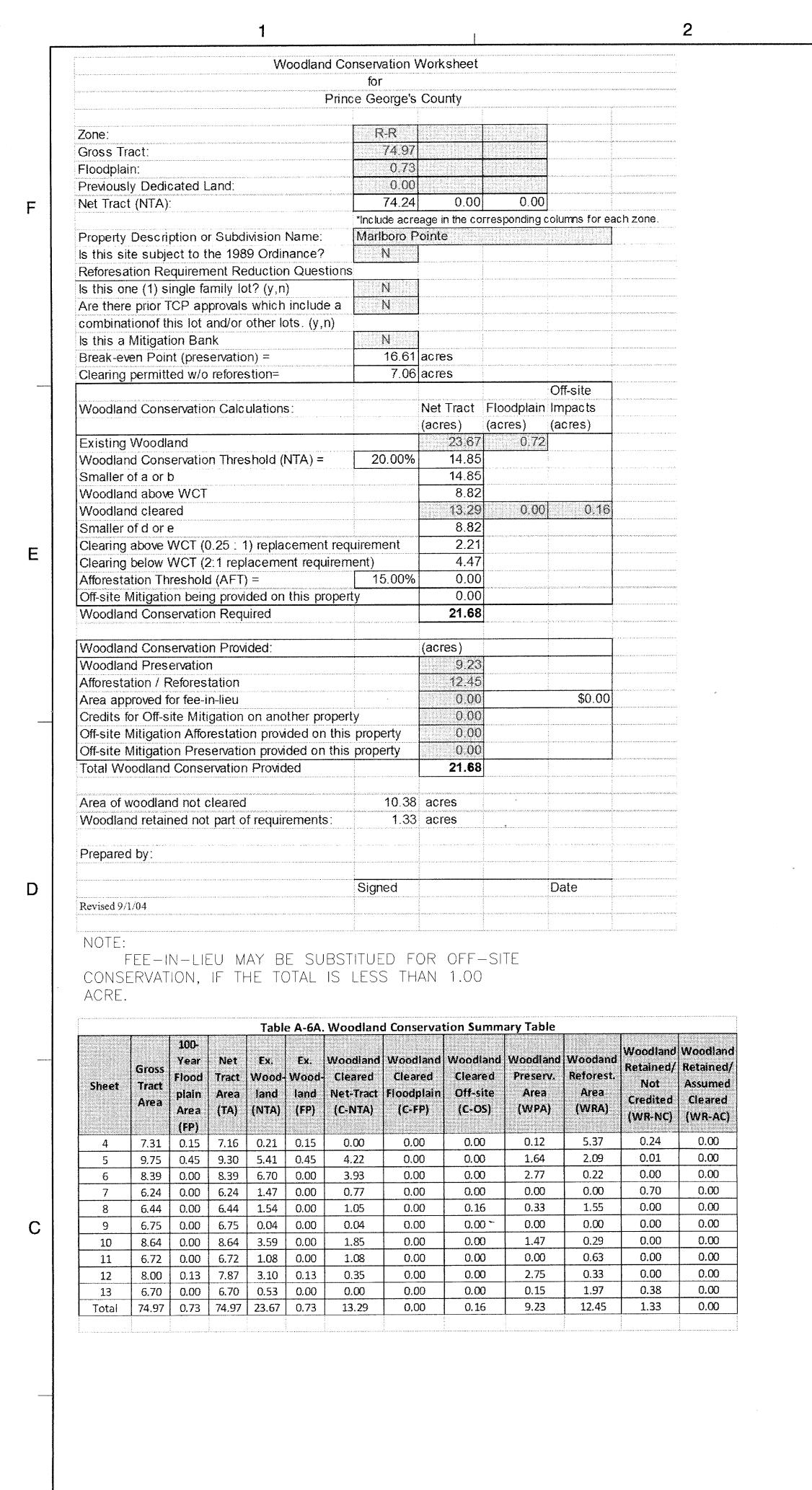
DETAIL SHEET

**APPROVED BY** 

CHECKED BY

**DEWBERRY JOB NO.** 50053279

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FOR LOCATION OF UTILITIES CALL

8-1-1 OR 1-800-257-7777

OR LOG ON TO

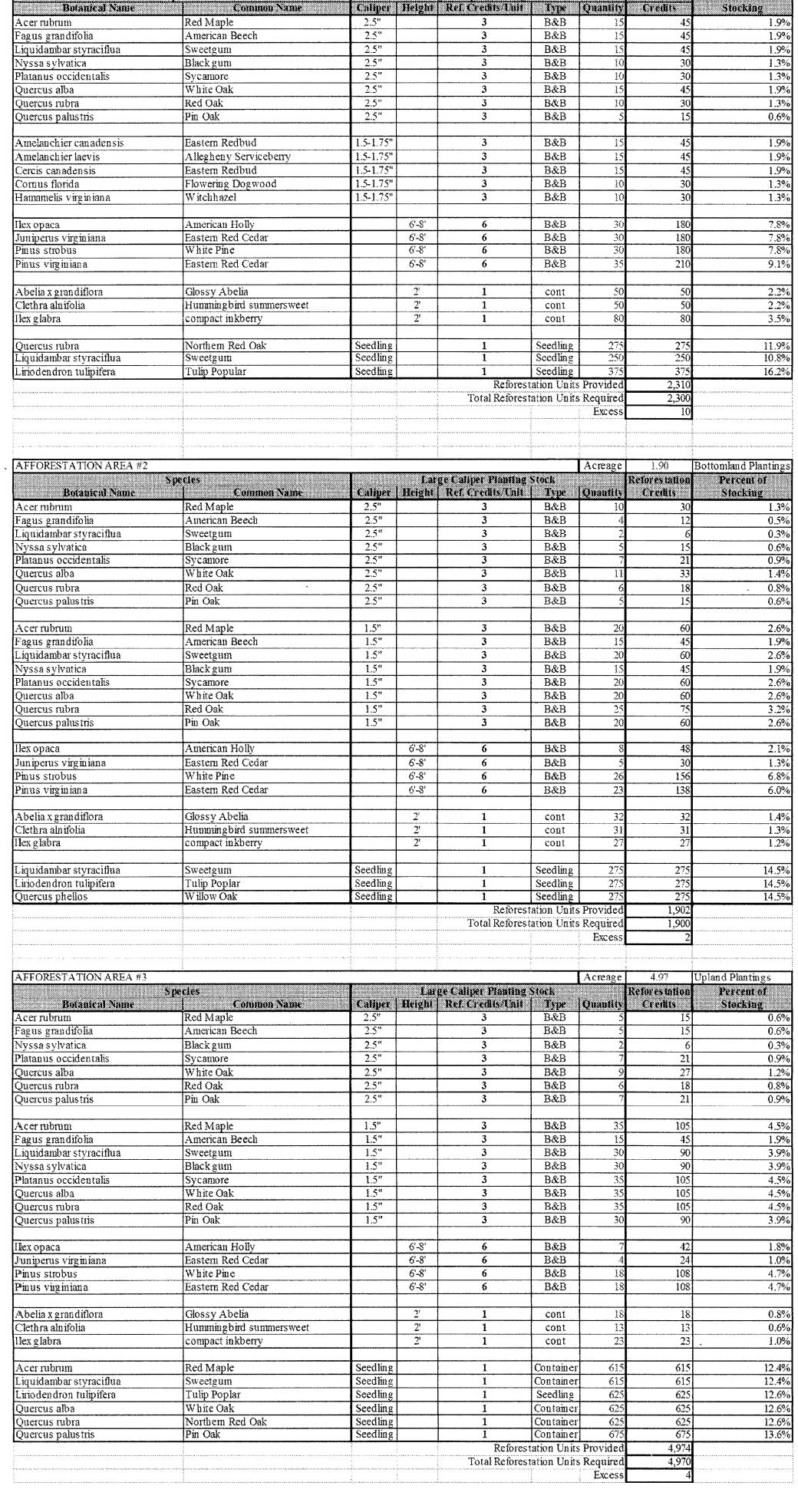
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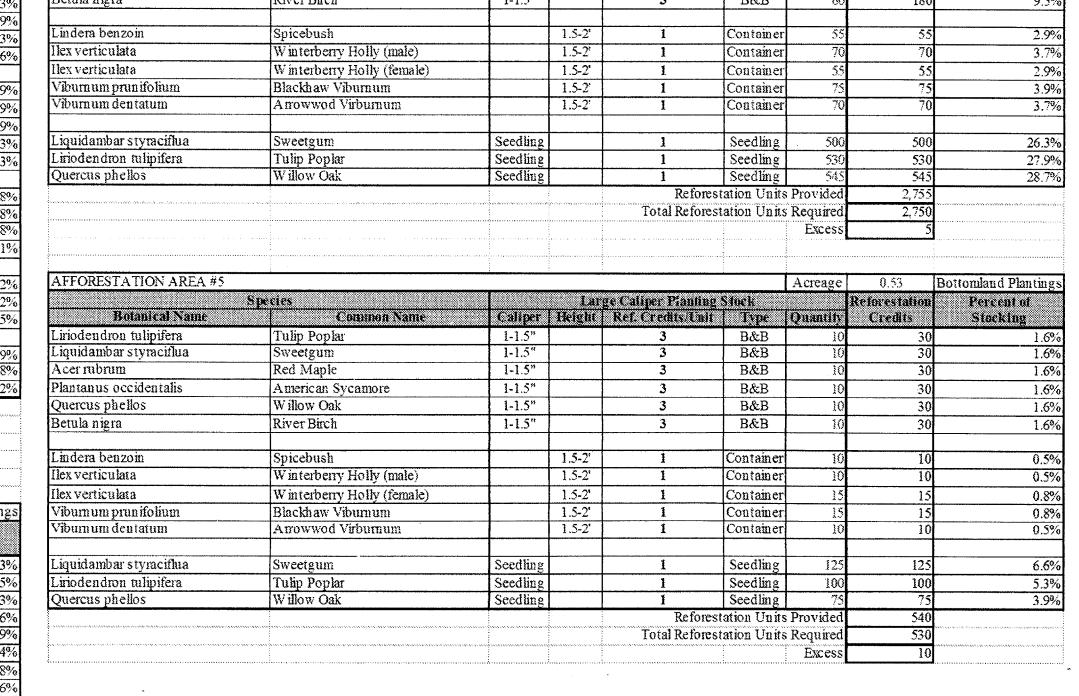
IN THIS VICINITY INFORMATION CONCERNING UNDERGROUND



Acreage 2.30 Upland Plantings

AFFORESTATION AREA #1

AFFORESTATION AREA #4	Acreage		Bottomland Planting					
Botanical Name	Species	Calina		ge Caliper Planting Ref. Credits/Enit		ra	Reforestation	
	Coumon Name	*****	2010			Quantity	Credits	Stocking
Liriodendron tulipifera	Tulip Poplar	1-1.5"		3	B&B	40	120	6.3
Liquidambar styraciflua	Sweetgum	1-1.5"		3	B&B	40	120	6.3
Acer rubrum	Red Maple	1-1.5"		3	B&B	45	135	7.1
Plantanus occidentalis	American Sycamore	1-1.5"	ļ	3	B&B	50	150	7.9
Quercus phellos	Willow Oak	1-1.5"	<u> </u>	3	B&B	50	150	7.9
Betula nigra	River Birch	1-1.5"	ļ	3	B&B	60	180	9.5
Lindera benzoin	Spicebush		1.5-2	i	Container	55	55	2.9
Ilex verticulata	Winterberry Holly (male)		1.5-2	1	Container	70	70	3.7
Ilex verticulata	Winterberry Holly (female)		1.5-2	1	Container	55	55	2.9
Viburnum prunifolium	Blackhaw Viburnum		1.5-2	1	Container	75	75	3.9
Viburnum dentatum	Arrowwod Virburnum		1.5-2	1	Container	70	70	3.7
Liquidambar styraciflua	Sweetgum	Seedling		1	Seedling	. 500	500	26.3
Liriodendron tulipifera	Tulip Poplar	Seedling		1	Seedling	530	530	27.9
Quercus phellos	Willow Oak	Seedling		1	Seedling	545	545	28.7
					tation Units Provided		2,755	
,,,,,				Total Reforest	tation Units	Required	2,750	
						Excess	5.	
							<u></u>	
AFFORESTATION AREA #5	Acreage		Bottomland Planting					
Botanical Name	Species Common Name	Caliper		ge Caliper Planting Ref. Credits Unit		Quantity	Reforestation Credits	Percent of Stocking
Liriodendron tulipifera	Tulip Poplar	1-1.5"		3	B&B	10	30	1.6
Liquidambar styraciflua	Sweetgum	1-1.5"		3	B&B	10	30	1.6
Acer rubrum	Red Maple	1-1.5"		3	B&B	10	30	1.6
Plantanus occidentalis	American Sycamore	1-1.5"		3	B&B	10	30	1.6
Quercus phellos	Willow Oak	1-1.5"		3	B&B	10	30	1.6
Betula nigra	River Birch	1-1.5"		3	B&B	10	30	1.6
Lindera benzoin	Spicebush		1.5-2'	1	Container	10	10	0.5
Ilex verticulata	1337 3m 4 m da m m m 7 7 m 35m 7 m m 3 m 3		1.5-2'	1	Container	10	10	0.5
	Winterberry Holly (male)		بر—ب. <u>بر</u>					
Ilex verticulata	W interberry Holly (female)		1.5-2	1	Container	15	15	
Ilex verticulata Viburnum prunifolium				1				0.8
	Winterberry Holly (female)		1.5-2	1	Container	15	15	0.8 0.8
Vibum um prun ifolium Vibum um dentatum	Winterberry Holly (female) Blackhaw Viburnum Arrowwod Virburnum	Saptine	1.5-2' 1.5-2' 1.5-2'	1	Container Container Container	15 15 10	15 15 10	0.8 0.8 0.5
Viburnum prunifolium Viburnum dentatum Liquidambar styraciflua	Winterberry Holly (female) Blackhaw Viburnum Arrowwod Virburnum Sweetgum	Seedling	1.5-2° 1.5-2° 1.5-2°	1	Container Container Container Seedling	15 15 10 125	15 15 10 125	0.8 0.8 0.5 6.6
Viburnum prunifolium Viburnum dentatum Liquidambar styraciflua Liriodendron tulipifera	Winterberry Holly (female) Blackhaw Viburnum Arrowwod Virburnum  Sweetgum Tulip Poplar	Seedling	1.5-2' 1.5-2' 1.5-2'	1	Container Container Container Seedling Seedling	15 15 10 125 100	15 15 10 125 100	0.8 0.8 0.5 6.6 5.3
Viburnum prunifolium Viburnum dentatum Liquidambar styraciflua	Winterberry Holly (female) Blackhaw Viburnum Arrowwod Virburnum Sweetgum	~~~	1.5-2' 1.5-2' 1.5-2'	1 1 1 1 1	Container Container Container Seedling Seedling Seedling	15 15 10 125 100 75	15 15 10 125 100 75	0.8 0.8 0.5 6.6 5.3
Viburnum prunifolium Viburnum dentatum Liquidambar styraciflua Liriodendron tulipifera	Winterberry Holly (female) Blackhaw Viburnum Arrowwod Virburnum  Sweetgum Tulip Poplar	Seedling	1.5-2' 1.5-2' 1.5-2'	1 1 1 1 1	Container Container Container Seedling Seedling Seedling ation Units	15 15 10 125 100 75 Provided	15 15 10 125 100 75 540	0.86 0.86 0.59 6.66 5.36 3.96





**Dewberry**®

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11111 SUNSET HILLS RD

SUITE 200

RESTON, VA 20190

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FAX: (703) 715-8076

Consultants LLC

CLUSTER 1-14 F, 1-27 G.

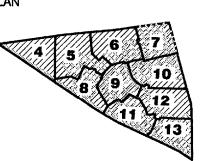
ARLBORO LOTS 1-13 A, 1-17 B, 1-4

Formerly known as

Dewberry & Davis LLC

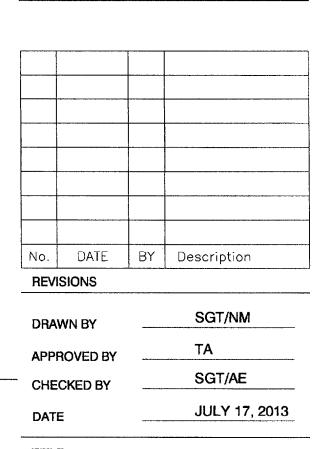
10003 DEREKWOOD LANE SUITE 204 LANHAM, MD 20706

301.731.0188 (FAX)



SCALE

**AS SHOWN** 



TYPE II TREE CONSERVATION **PLAN** 

**DETAIL SHEET** 

**DEWBERRY JOB NO.** 50053279

3 OF 13

APPROVAL by the Planning Board, its designee TREE CONSERVATION PLAN or the District Council. M-NCPPC TCPII-22-05 APPROVAL PROJECT NAME: MARLBORO POINTE CLUSTER 3-19-08 PROJECT NUMBER: DSP-05011-01 And Scholer For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet Revision numbers must be included in the Project Number

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QR label certifies that this plan

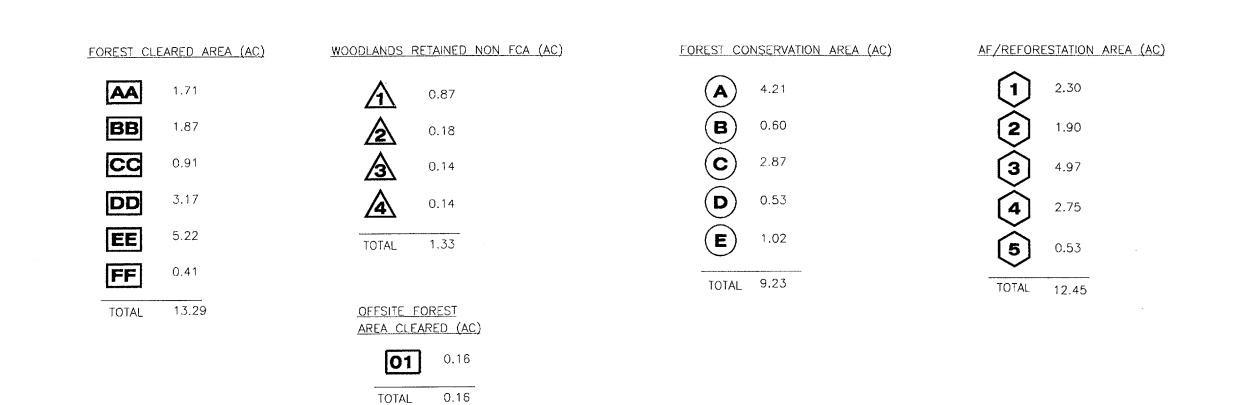
meets conditions of final approval

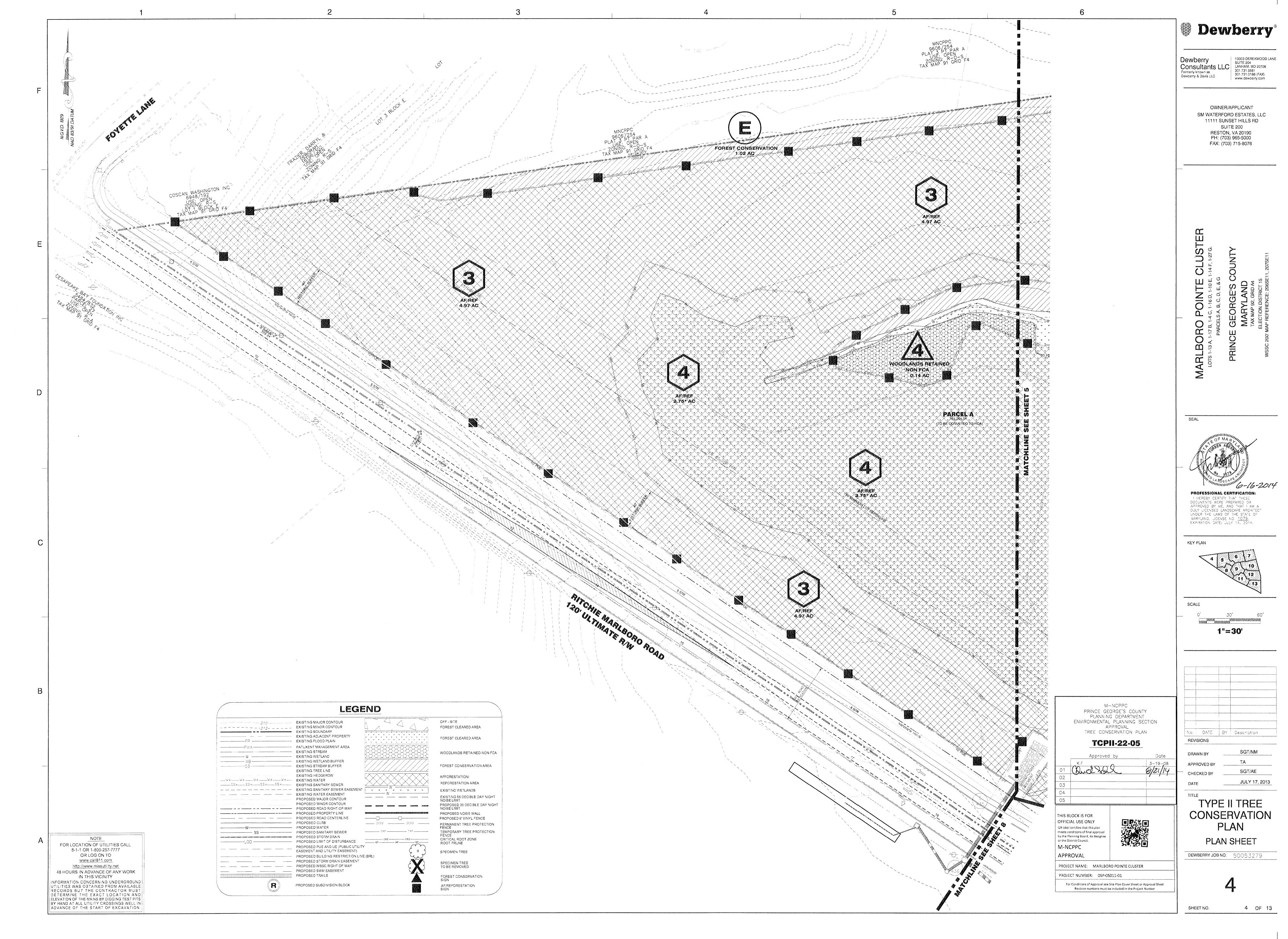
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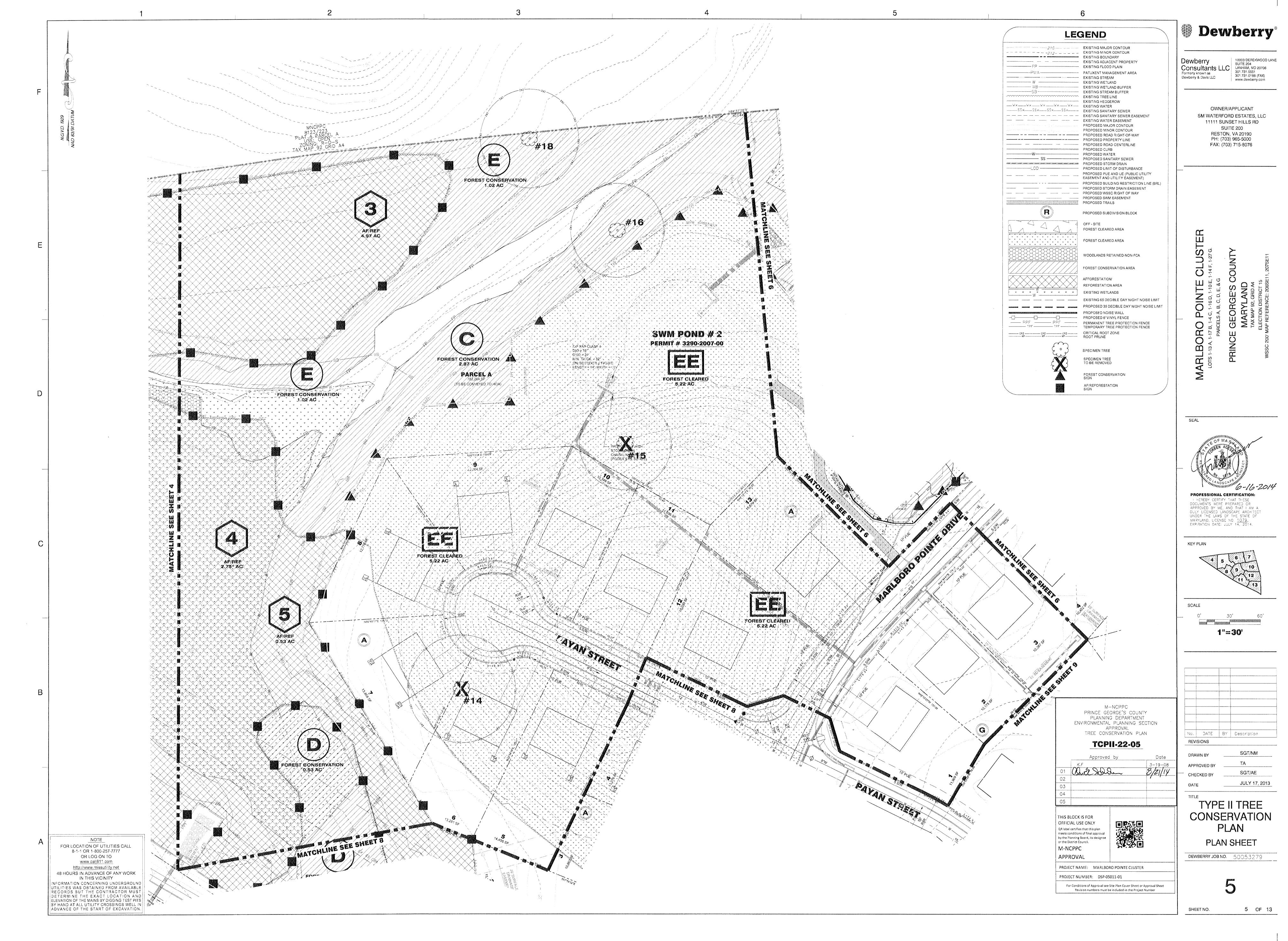
PLANNING DEPARTMENT

PRINCE GEORGE'S COUNTY

ENVIRONMENTAL PLANNING SECTION









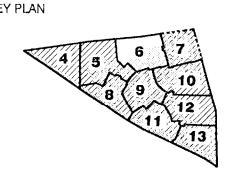
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Towns Developer to the Sulte 2004 LANHAM, MD 20706 301.731.5551 301.731.0188 (FAX) www.dewberry.com

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1"=30

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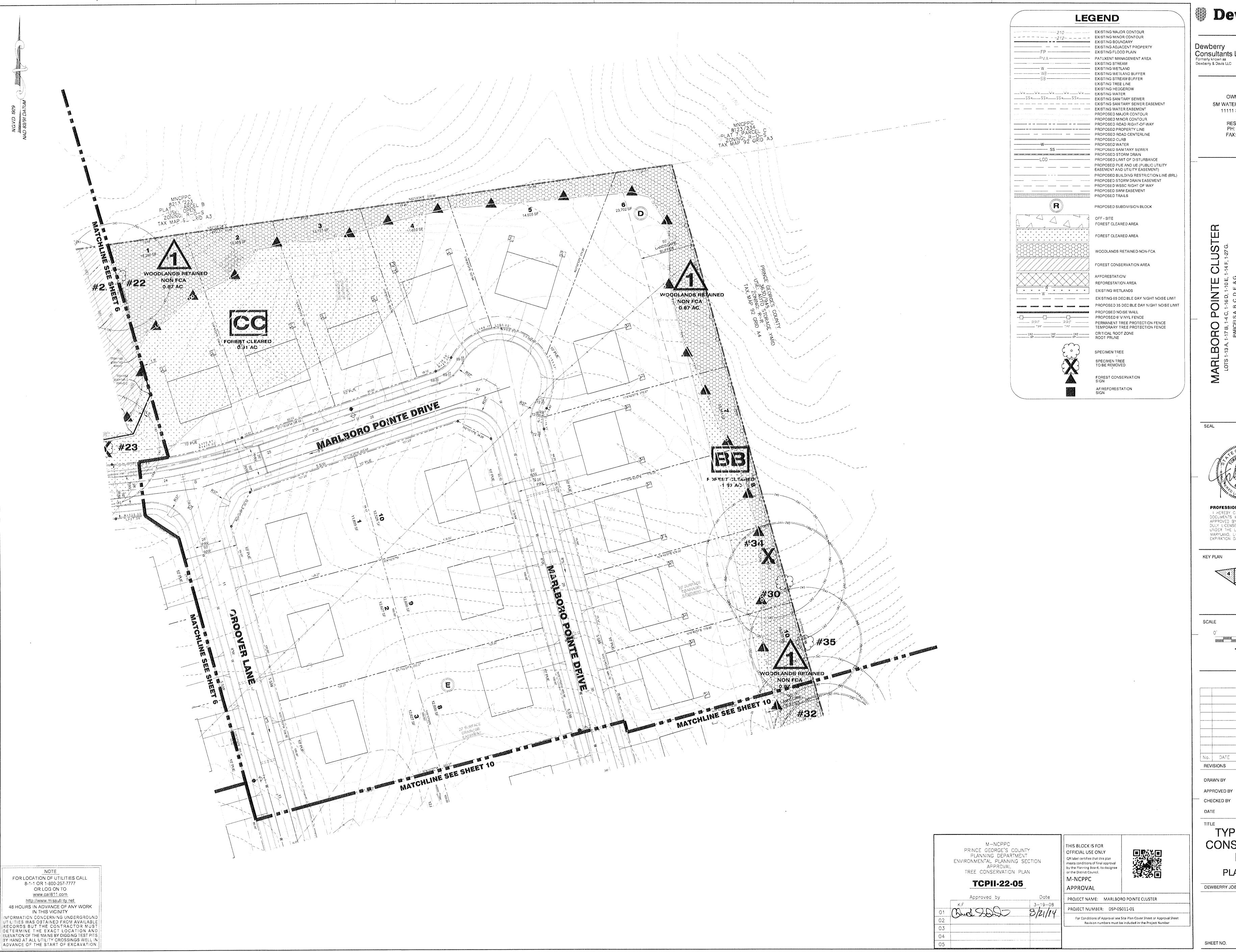
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TYPE II TREE CONSERVATION PLAN

**PLAN SHEET** 

**DEWBERRY JOB NO.** 50053279

SHEET NO. 6 OF 13



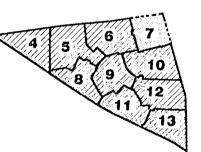
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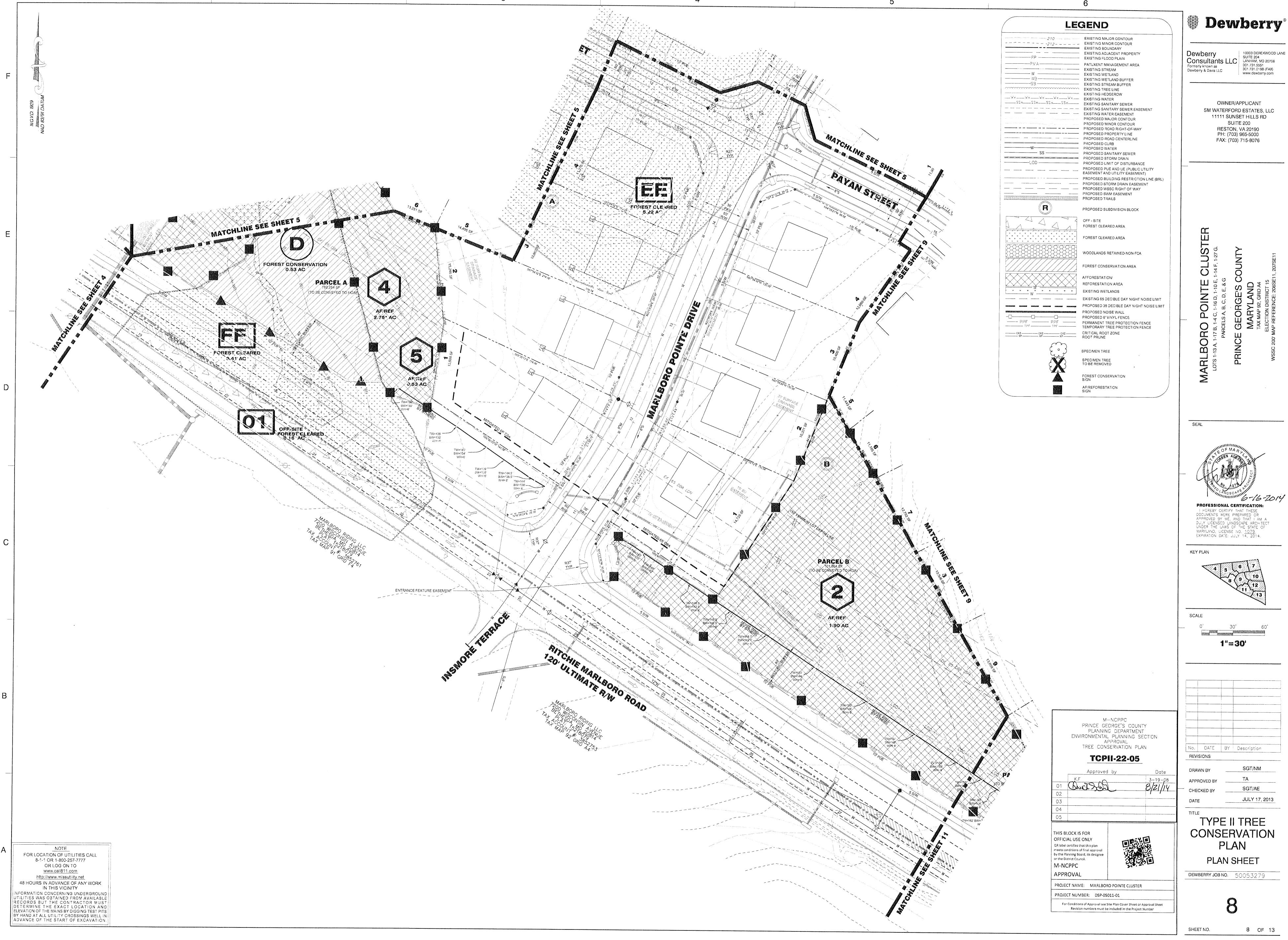
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TYPE II TREE CONSERVATION PLAN

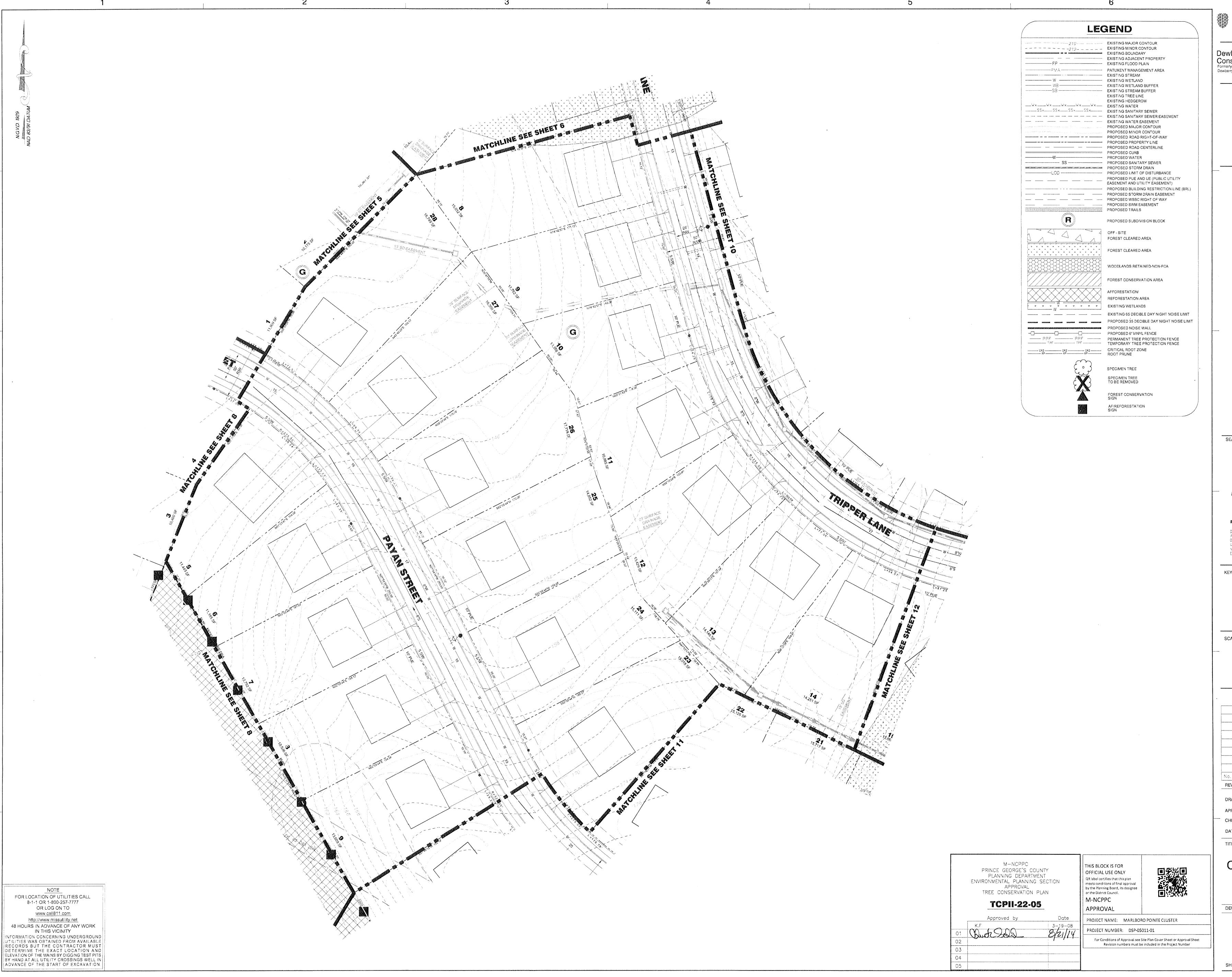
PLAN SHEET

**DEWBERRY JOB NO.** 50053279

7 OF 13



10003 DEREKWOOD LANE



Consultants LLC LANHAM, MD 20706

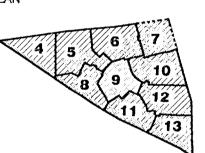
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No. DATE BY Description **REVISIONS** CHECKED BY JULY 17, 2013

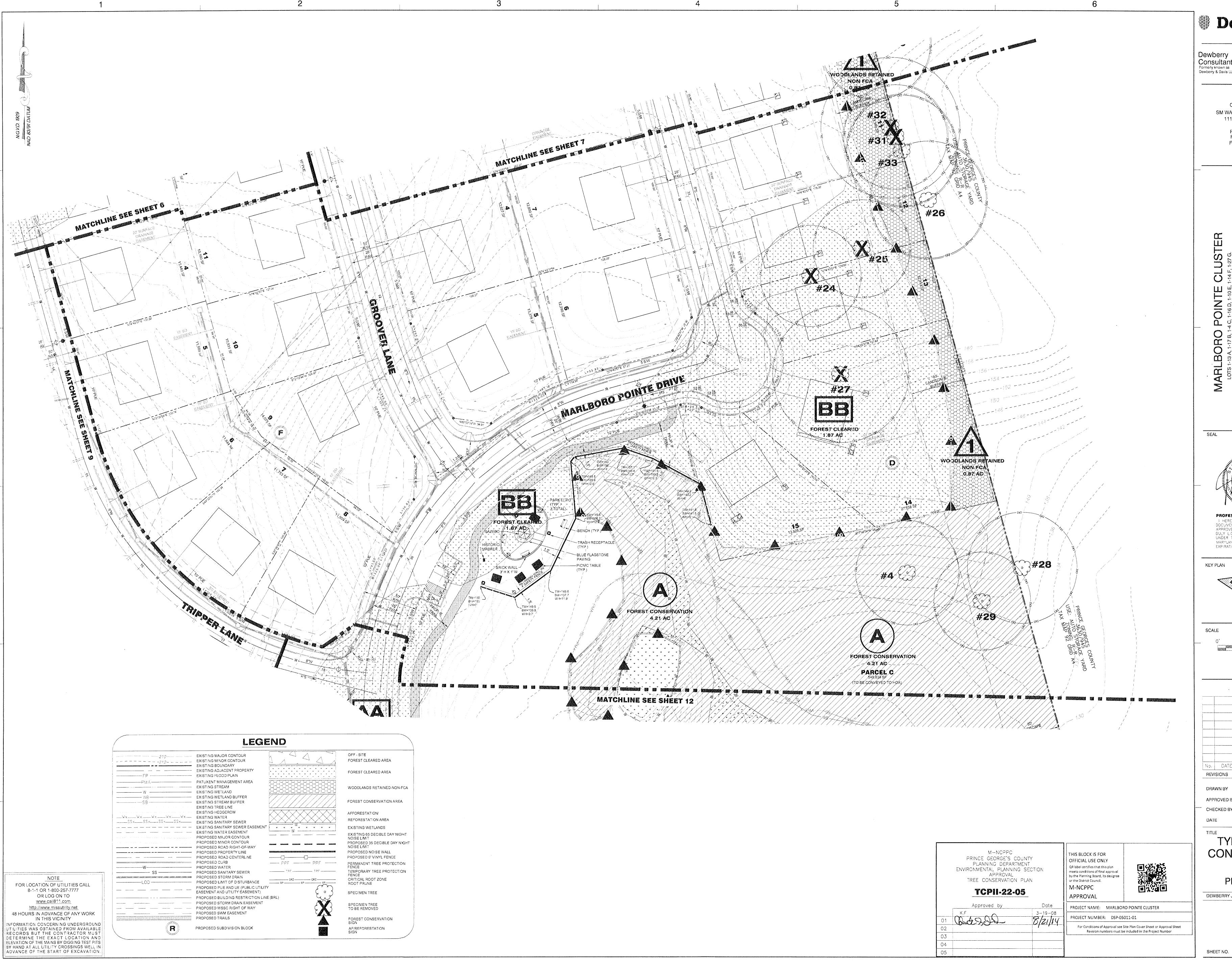
TITLE TYPE II TREE CONSERVATION

PLAN

**PLAN SHEET** 

**DEWBERRY JOB NO.** 50053279

9 OF 13 SHEET NO.



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Consultants LLC
Formerly known as
Dewberry & Davis LLC

Towns Development & Davis LLC

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RESTON, VA 20190
PH: (703) 965-5000
FAX: (703) 715-8076

1-17 B, 1-4 C, 1-16 D, 1-10 E, 1-14 F, 1-27 G.
PARCELS A, B, C, D, E, & G.

E GEORGE'S COUNTY

MARYLAND

TAX MAP 92, GRID A4

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PROFESSIONAL CERTIFICATION:

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UNDER THE LAWS OF THE STATE OF

UNDER THE LAWS OF THE STATE C MARYLAND, LICENSE NO. 1079, EXPIRATION DATE: JULY 14, 2014.

PLAN

4 5 6 7

10 12 11 13

0' 30' 1"=30'

No. DATE BY Description

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JULY 17, 2013

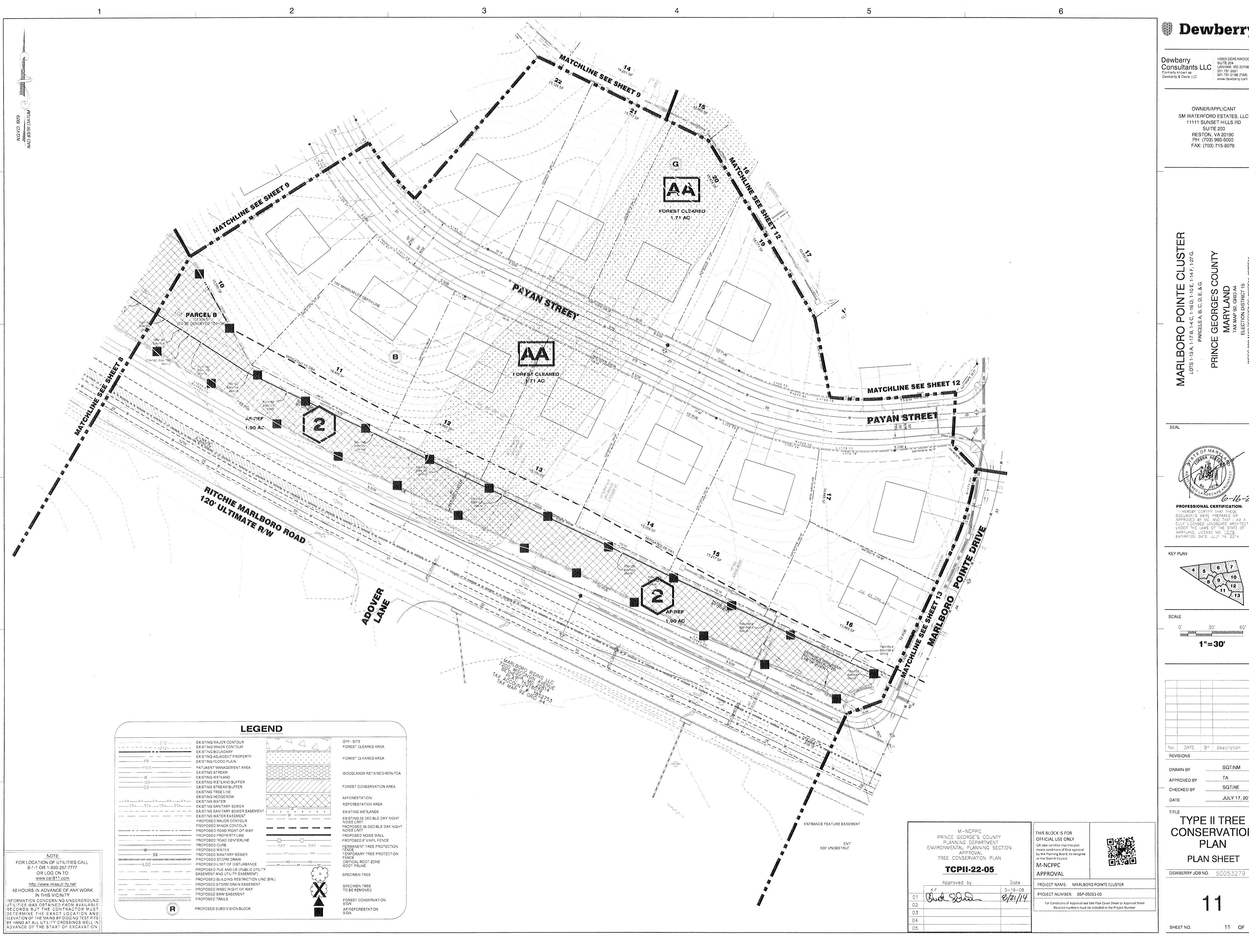
TYPE II TREE

CONSERVATION
PLAN
PLAN SHEET

**DEWBERRY JOB NO.** 50053279

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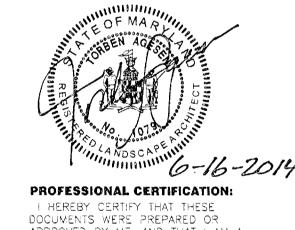
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1"=30"

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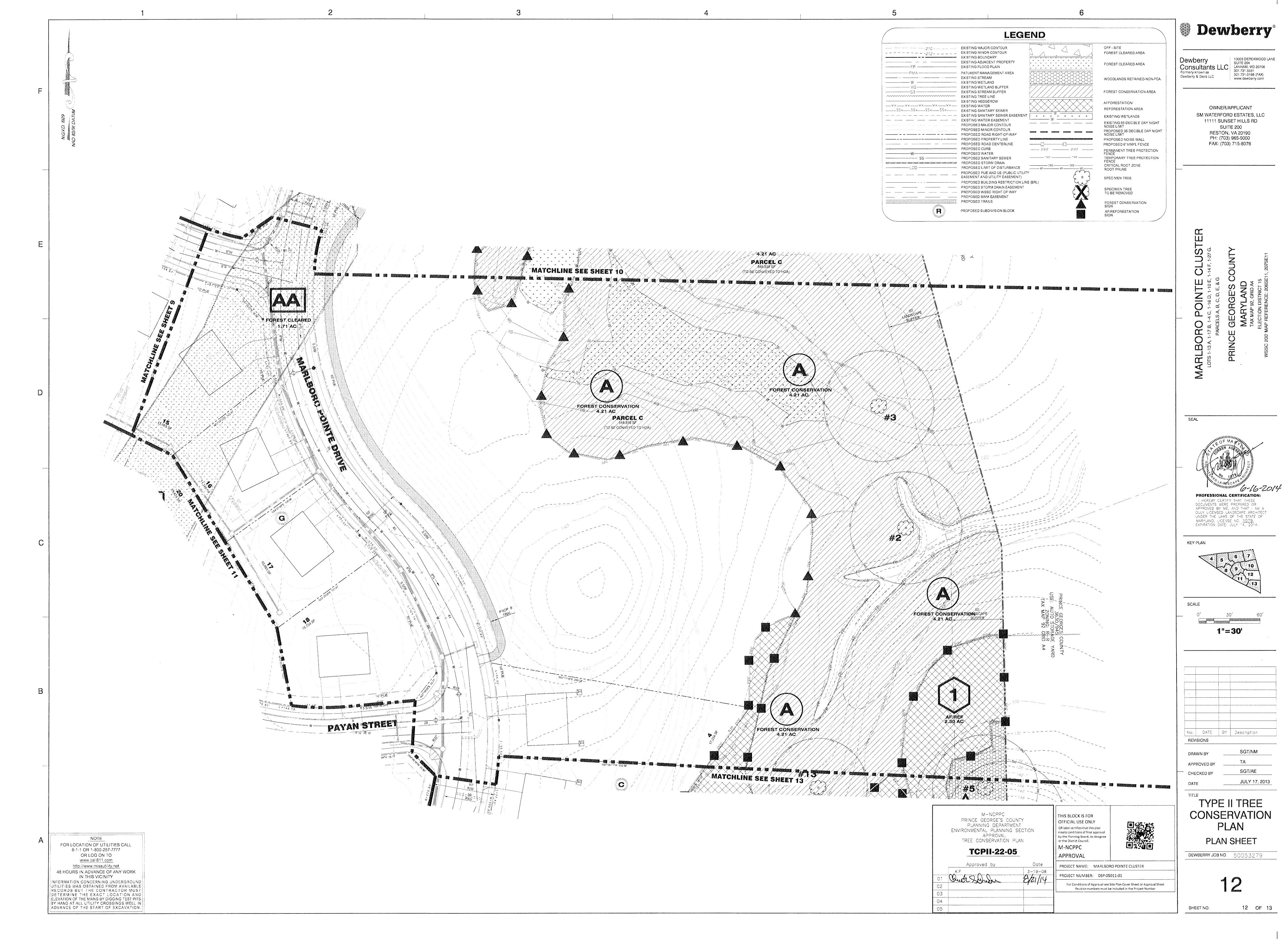
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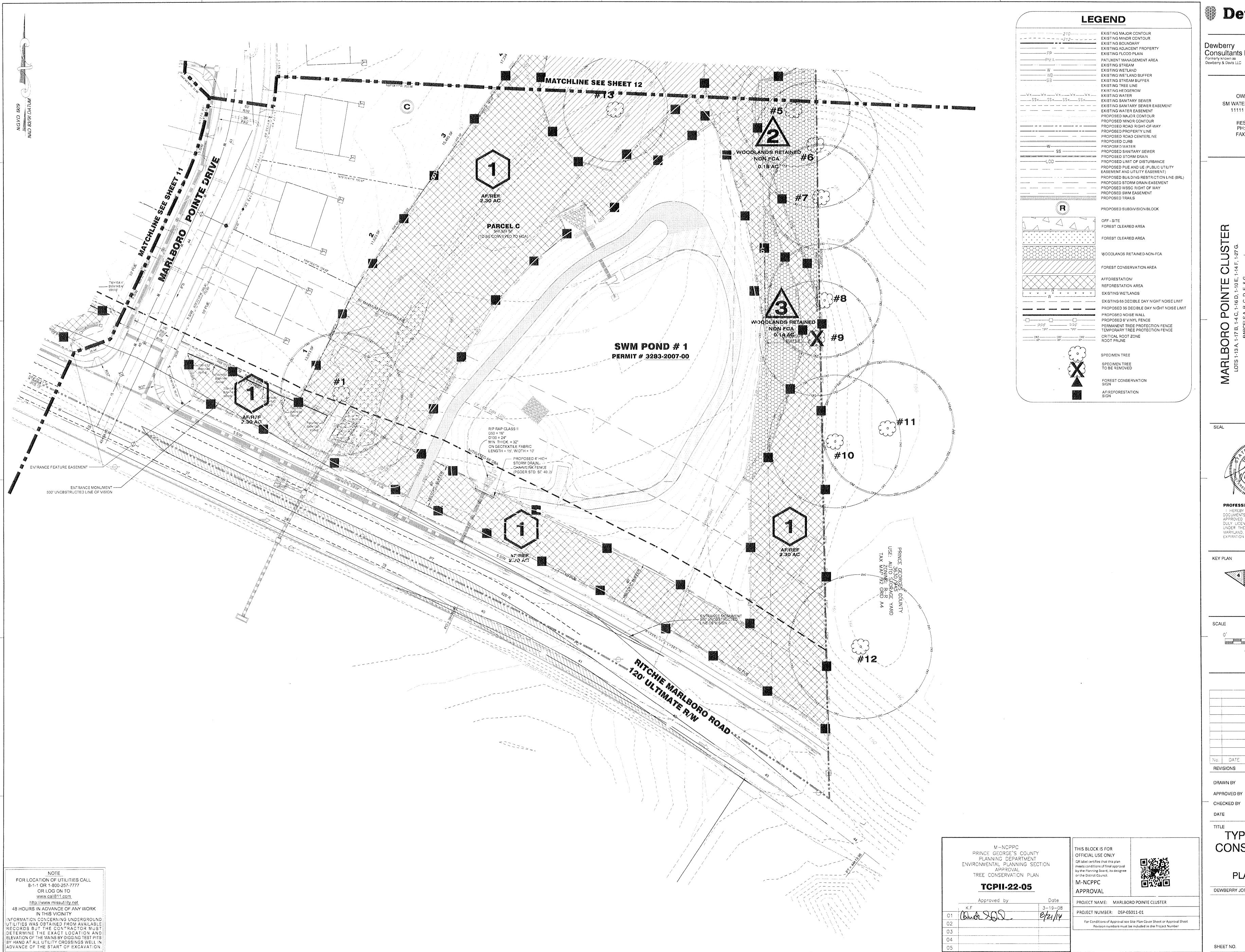
CONSERVATION PLAN

PLAN SHEET

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11 OF 13 SHEET NO.



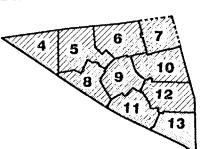


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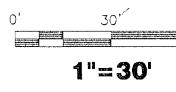
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KEY PLAN



SCALE



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TITLE TYPE II TREE CONSERVATION PLAN

PLAN SHEET

**DEWBERRY JOB NO.** 50053279

13 OF 13 SHEET NO.