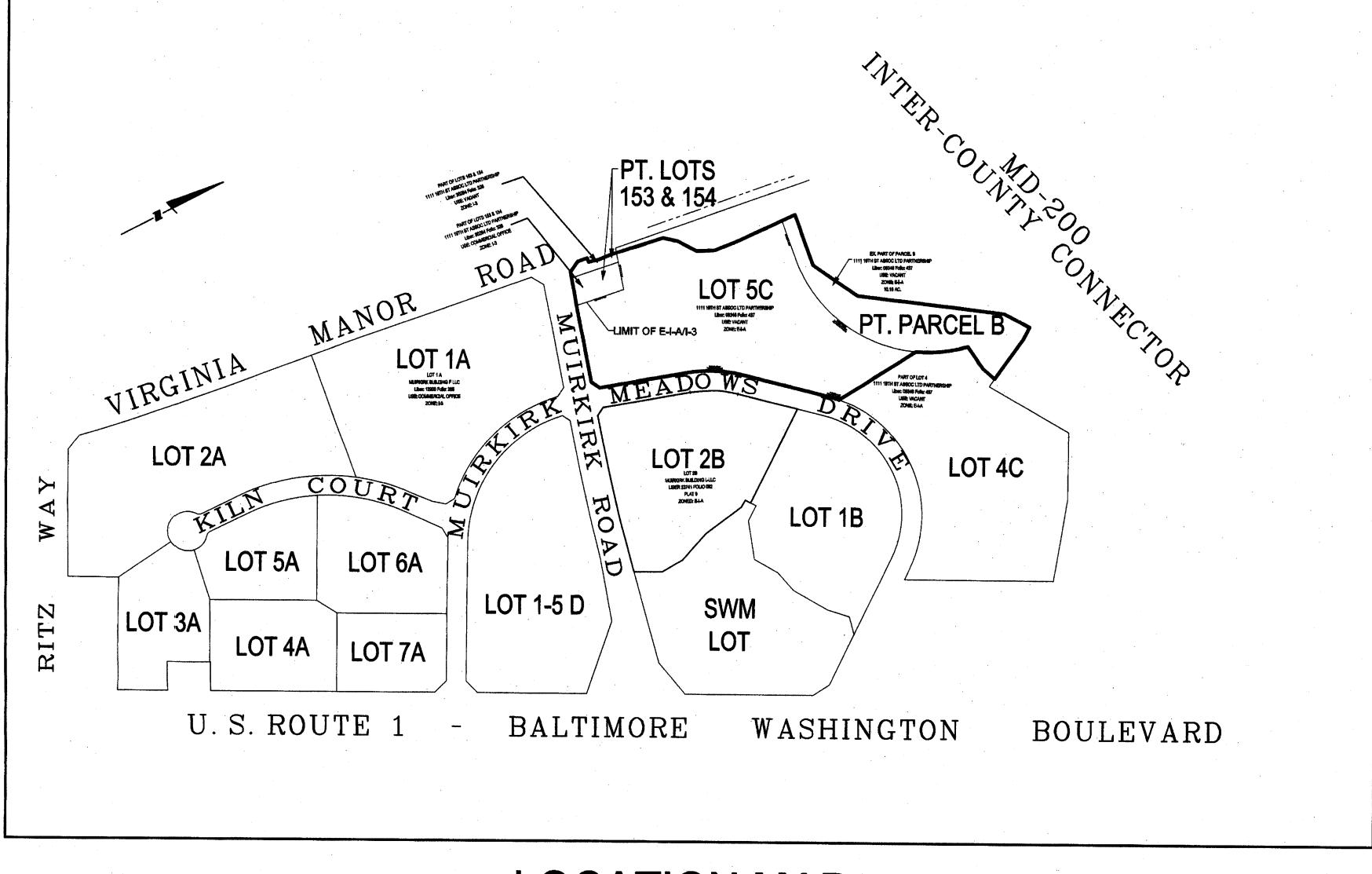
TREE CONSERVATION PLAN TYPE 2

KONTERRA BUSINESS CAMPUS PROPOSED LOT 5C

1ST / LAUREL ELECTION DISTRICT PRINCE GEORGE'S COUNTY, MARYLAND



INDEX OF SHEETS

SHEET No.

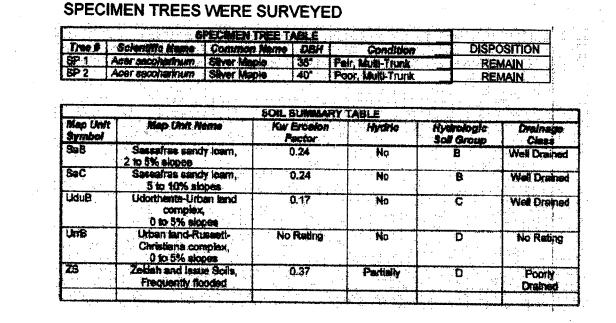
COVER SHEET

DESCRIPTION

DETAILSHEET

PLAN SHEET Smaller of a or b codiand above WCT Smaller of d or e Clearing above WCT (0.25 : 1) replacement requirement Dearing below WCT (2:1 replacement requirement) Off-site Mitigation being provided on this property
Woodland Conservation Required Voodland Conservation Provided: Voodland Preservation Afforestation / Reforestation Area approved for fee-in-lieu Credits for Off-site Mitigation on another property Off-site Mitigation (preservation) being provided on this property Off-site Mitigation (afforestation) being provided on this property
Total Woodland Conservation Provided Area of woodland not cleared Voodland retained not part of requirements -1.13 acres NOTE:
THE ORIGINAL TCP APPROVAL AND THE 01 REVISION SHOWED AN AREA OF 1.02 ACRES OF REFORESTATION ON LOT 3C.
THIS AREA WAS PROPOSED TO MEET A PORTION OF THE WOODLAND CONSERVATION REQUIREMENT FOR THE OVERALL
KONTERRA BUSINESS CAMPUS AND HAS BEEN INCORPORATED INTO THE WOODLAND CONSERVATION REQUIREMENT
FOR THE 02 REVISION TO THE TCP. THE WORKSHEET SHOWS A NEGATIVE AREA OF 'WOODLAND RETAINED NOT PART OF
REQUIREMENTS' BECAUSE THE ORIGINAL AREA OF EXISTING WOODLAND WAS CARRIED FORWARD AND BECAUSE
REGENERATION HAS OCCURRED THAT HAS BEEN COUNTED AS 'PRESERVATION' ON THE PLAN.

ACREAGE PRESERVATION AREA REFORESTATION AREA ACREAGE



LOCATION MAP

We hereby acknowledge that we have been advised of the restrictions established by this Tree Conservation Plan. We further acknowledge that cutting, clearing, or damaging trees or understory vegetation in the Woodland Conservation Area without a revision to this plan or written authorization from the M-NCPPC Environmental Planning Section or Prince George's County will constitute a violation of the Woodland Conservation Ordinance. Hazardous trees may be pruned or removed after obtaining a written report from a Licensed Arborist or Licensed Tree Expert and providing a copy to the M-NCPPC Environmental Planning Section. Signed (Name, Title)

Date

Signed Signed (Name, Title)

APPROVED BY		DATE
INITIAL STAFF SIGNATURE	PGCPB#98-175	6/11/98
01 REVISION	JLS	8/22/00
02 REVISION	K. SHOULARS	4/12/13
03 REVISION	Karoul	1/24/13
04 REVISION		

M-NCPPC

PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT

ENVIRONMENTAL PLANNING SECTION

APPROVAL

TREE CONSERVATION PLAN

- 119 - 97

M-NCPPC APPROVALS							
PROJECT NAME: KONTERRA BUSINESS CAMPUS							
PROJECT NUMBER: DSP-01005/01							
FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISED LISTED BELOW APPLY TO THIS SHEET.							
APPROVAL OR REVISION #	APPROVAL DATE	REVIEWER'S INITIALS	CERTIFICATION DATE				
	1/22/01	SL	3/8/01				
01	1/17/13	EPS	4/9/13				

PROJECT NAMI	E: KONTERR	A BUSINES	S CAMPUS
PROJECT NUM	BER: SDP-9024	/04	
	OF APPROVAL SEE SITE REVISED LISTED BELOW		
APPROVAL OR REVISION #	APPROVAL D ate	REVIEWER'S INITIALS	CERTIFICATION DATE
01	5/21/98	SL	9/17/98
02	4/19/00	SL	6/1/00
03	1/22/01	SL	3/8/01
04	1/17/13	EPS	4/9/13

M-NCPPC APPROVALS

4300 Forbes Boulevard, Suite 230 Lanham, MD 20706 t. 301.794.7555 f. 301.794.7656

1. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR DSP-01005 AND SDP-9024 IF DSP-01005 AND SDP-9024 EXPIRE, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER VALID.

2. CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$9.00 PER SQUARE

7. THE SITE IS NOT ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, A PARKWAY OR A SCENIC

9. 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.

10. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS

11. 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.

12. 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

13. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TPF INSTALLATION. THESE SIGNS MUST REMAIN IN PERPETUITY.

14. THE DEVELOPER AND/OR BUILDER IS RESPONSIBLE FOR THE COMPLETE PRESERVATION OF ALL FORESTED

15. 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 TREE HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR

16. 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

17. 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 ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE

IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED

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 PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE. 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

TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN

OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

18. THIS PLAN IS NOT GRANDFATHERED BY CB-27--2010, SECTION 25-117(g).

LEVEL. THE STUMP SHALL NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT

AREAS SHOWN ON THE APPROVED PLAN TO REMAIN UNDISTURBED, ONLY TREES OR PARTS THEREOF

8. THE PROPERTY IS ADJACENT TO VIRGINIA MANOR ROAD WHICH IS CLASSIFIED AS AN ARTERIAL ROADWAY. THE PROPERTY IS ADJACENT TO MD-200/INTERCOUNTY CONNECTOR WHICH IS CLASSIFIED AS A FREEWAY.

THE PROPERTY IS WITHIN THE DEVELOPING TIER AND IS ZONED E-I-A AND I-3

REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS

DESIGNATED BY THE COUNTY AS DEAD, DYING, OR HAZARDOUS MAY BE REMOVED.

DEVICES IS A VIOLATION OF THIS TCP2.

PROPERTY DAMAGE.

WOULD INHIBIT SPROUTING.

INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.

Rockville						7	
Lanham							
Waldorf						1	
Leonardtown		·					
	4	REV. WORKSHEET. AD	DED AFFORESTATION/REFORESTATION		GAM	4/24	
3 REV. WORKSHEET PER CONDITION 1n(2), ADDED NOTE #18						3/7	
2 UPDATE PLANS, ADD OWNER'S CERTIFICATE, NOTES					YOR	1/1:	
	1	UPDATE PLANS, INCLUDING PART OF PARCEL B					
	NO.	·	REVISIONS		BY	DAT	
Associates.net	DATE:	JANUARY, 2012	CAD STANDARDS VERSION: V8 - 2000				
1000010011101	DESIGN	ED: JKM	TECHNICIAN: JKM	CHECKED:	WKD	**	

MISS UTILITY NOTE WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTO MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF A EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVAT CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LES THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER/DEVELOPER/APPLICANT KONTERRA REALTY, LLC 1111 19TH ST. ASSOC. LTD PARTNERSHIP 14401 SWEITZER LANE LAUREL, MD 20707 301-210-5012



TREE CONSERVATION PLAN - TYPE 2

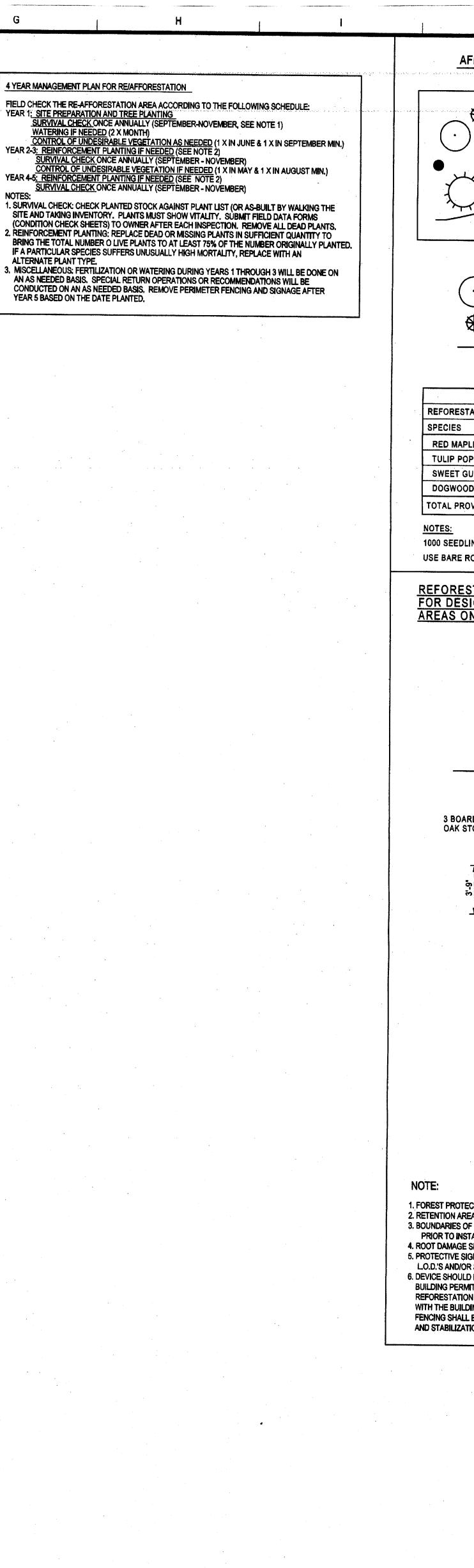
PROPOSED LOT 5 BLOCK C KONTERRA BUSINESS CAMPUS

0802-06-3C

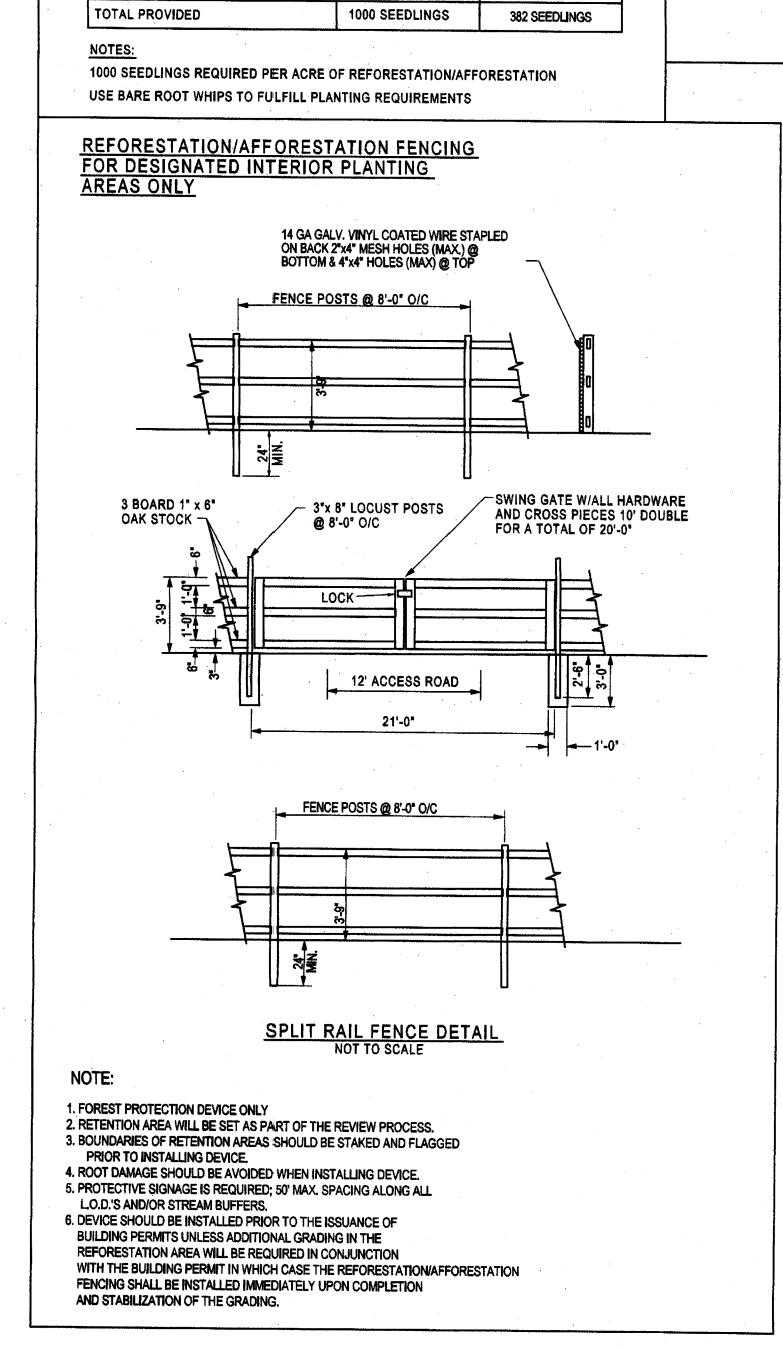
FIRST/LAUREL ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLANI P:\0802063C\ENGINEER\ENV\TCP2_01.SHT Scale=100,0000 ft / in. User=gmicit PLTdrv=PDF_Grev_150.pltcfq Pentbl=TEXT_SUB.tbl 4/24/2013 9:50:11

MR. TATE ARMSTRONG





AFFORESTATION / REFORESTATION TYPICAL DETAIL TYPICAL PLANTING LEGEND **RED MAPLE TULIP POPLAR** TREE PROTECTIVE DEVICE (TYPE TO BE SPECIFIED ON TCP PLAN IF REQUIRED) PLANT LIST/RATIO FOR SEEDLINGS TOTAL PER MANUAL TOTAL THIS PLAN REFORESTATION AREA PROVIDED 1.0 ACRE 0.38 ACRES NUMBER/ACRE 三川三川三川三川 三川二川三川三川三川三川 RED MAPLE 126 SEEDLINGS 330 SEEDLINGS TULIP POPULAR 330 SEEDLINGS 126 SEEDLINGS SWEET GUM 230 SEEDLINGS 88 SEEDLINGS DOGWOOD 110 SEEDLINGS 42 SEEDLINGS 1000 SEEDLINGS **TOTAL PROVIDED** 382 SEEDLINGS 1000 SEEDLINGS REQUIRED PER ACRE OF REFORESTATION/AFFORESTATION USE BARE ROOT WHIPS TO FULFILL PLANTING REQUIREMENTS REFORESTATION/AFFORESTATION FENCING FOR DESIGNATED INTERIOR PLANTING 14 GA GALV. VINYL COATED WIRE STAPLED ON BACK 2"x4" MESH HOLES (MAX.) @ BOTTOM & 4"x4" HOLES (MAX) @ TOP



S. DIBBLE PLANTING CORRECT AND INCORRECT PLANTING DEPTHS 1. INSERT DIBBLE AT ANGLE 2.REMOVE DIBBLE AND PLACE SHOWN ABOVE AND PUSH SEEDLING OF CORRECT 3.INSERT DIBBLE 2 INCHES SEEDLING OF CORRECT AT SAME DEPTH OR 1/2" DEEPER THAN SEEDLING GREW IN NURSER W FEET 4. PUSH HANDLE OF DIBBLE 5.PUSH HANDLE OF DIBBLE INCORRECT TOWARD PLANTER FIRMING DO DEEP AND ROOTS BENT SOIL AT BOTTOM OF ROOTS FIRMING SOIL AT TOP INCORRECT TOO SHALLOW AND ROOTS EXPOSED PULL FORWARD THEN PULL 8. FILL IN LAST HOLE BY BACKWARD FILLING HOLE. C. MATTOCK PLANTING 2. PLACE SEEDLING ALONG STRAIGHT SIDE 3. FILL IN AND PACT SOIL TO 5.PUSH AROUND SEEDLING WITH FEE SEEDLING AND WHIPS NEED SPECIAL CARE WHEN PLANTED. FIGURE 3.6.5 DETAILS THE RECOMMENDED MANUAL PLANTING PROCEDURES WHICH INCLUDE CORRECT PLANTING DEPTHS (B) AS WELL AS METHODS FOR TWO DIFFERENT PLANTING TOOLS: THE DIBBLE (A) AND THE MATTOCK (C).

SEEDLING PLANTING METHODS

FIGURE 3.6.5

REFORESTATION

PROTECTION SIGN

NOT TO SCALE

REFORESTATION

MACHINERY, DUMPING

OR STORAGE OF

ANY MATERIALS IS

PROHIBITED

VIOLATORS ARE SUBJECT TO

FINES AS IMPOSTED BY THE

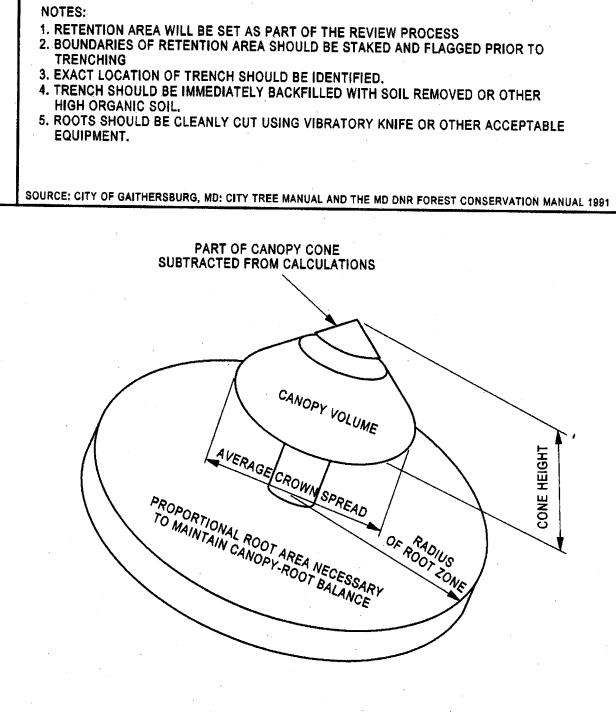
MARYLAND FOREST

CONSERVATION ACT OF

WITH SCREWS

|||塩川東川||塩川||産業塩川| |||塩川東川||塩川||

FIGURE J-1



ROOT PRUNING TRENCH

CRITICAL ROOT ZONE

- TREE PROTECTION FENCE

2' MINIMUM DEPTH

—— FENCE WITHIN 1 FOOT OF TRENCH LINE

-1' BACK OF LIMIT OF

→ 6" MAXIMUM DEPTH

DISTURBANCE LINE

FIGURE E-4: GENERALIZED GRAPHIC REPRESENTATION OF INFORMATION NEEDED FOR ROOT MASS

			RADIUS CALCU								
	M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN TCP2 - 119 - 97			M-NCPPC APPROVALS			M-NCPPC APPROVALS				
				PROJECT NAME: KONTERRA BUSINESS CAMPUS				PROJECT NAME: KONTERRA BUSINESS CAMPUS			
				PROJECT NUMBER: DSP-01005/01			PROJECT NUMBER: SDP-9024/04				
				FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISED LISTED BELOW APPLY TO THIS SHEET.			FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEETS.				
	APPROVED BY		DATE	APPROVAL OR REVISION #	APPROVAL Date	REVIEWER'S INITIALS	CERTIFICATION DATE	APPROVAL OR REVISION #	APPROVAL DATE	REVIEWER'S INITIALS	CERTIFICATION
	INITIAL STAFF	PGCPB#98-175			1/22/01	SL	3/8/01	01	5/21/98	SL	9/17/98
	SIGNATURE		6/11/98	01	1/17/13	EPS	4/9/13	02	4/19/00	SL	6/1/00
	01 REVISION	JLS	8/22/00					03	1/22/01	SL	3/8/01
	02 REVISION	K., SHOWLARS	4/12/13					04	1/17/13	EPS	4/9/13
	03 REVISION	h. Show	4/24/13								
	04 REVISION	10.0	140 40			-		-		 	

Surveying

Environmental Sciences

Lanham, MD 20706 t. 301.794.7555 f. 301.794.7656

UPDATED PLANT LIST AND ADDED THE STANDARD INVASIVE SPECIES REMOVAL NOTES AND REMOVED THE REGENERATION AND FEE IN LIEU NOTES UPDATE PLANS, INCLUDING PART OF PARCEL B DATE: JANUARY, 2012 CAD STANDARDS VERSION: V8 - 2000 TECHNICIAN: JKM CHECKED: W.K.D.

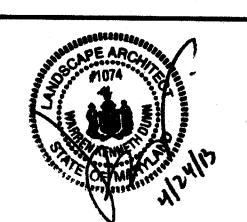
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MR. TATE ARMSTRONG

OWNER/DEVELOPER/APPLICANT

SITE DATUM ORIZONTAL: XXXXX /ERTICAL: XXXXX



TREE CONSERVATION PLAN - TYPE 2

PROPOSED LOT 5 BLOCK C KONTERRA BUSINESS CAMPUS

0802-06-3C

ONE INCH

FIRST/LAUREL ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

PYOROGOGENENCINEED/EN/ATODO OO CUIT Contratos of

