

FOREST TO REMAIN
WR-B=0.23 AC

FOREST SAVED, BUT
CONSIDERED CLEARED
C17 = 0.02 AC

FOREST TO REMAIN
WR-A = 10.86 AC

AFFORESTATION/
REFORESTATION
AREA '12'-0.11 AC

MATCH LINE SEE SHT 6

MATCH LINE SEE SHT 7

MATCH LINE SEE SHT 3

A & E GILLESPIE
3704 CHURCH RD.
BOWIE, MD 20721

W. & L. HARRINGTON
CHURCH RD.
BOWIE, MD 20721

B & V SNOWDEN
CHURCH RD.
BOWIE, MD 20721

STEPHANIE S. MERKEL
LIBER: 9803 @ FOLIO: 620

FOREST SAVED, BUT
CONSIDERED CLEARED
C3 = 0.12 AC

FOREST SAVED, BUT
CONSIDERED CLEARED
C4 = 0.04 AC

FOREST SAVED, BUT
CONSIDERED CLEARED
C1 = 0.01 AC

FOREST SAVED, BUT
CONSIDERED CLEARED
C5 = 0.19 AC

FOREST TO REMAIN
WR-C = 0.36 AC

FOREST TO REMAIN
WR-D = 6.48 AC

PRINTED ON
MAY 31 2012
PETRA ENGINEERING LLC

LEGEND:

- PMA PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB STREAM BUFFER
- FP 100 YEAR FLOODPLAIN
- FP BRL FLOODPLAIN BUILDING RESTRICTION LINE
- EDGE OF WATER OF THE US
- EXISTING TREELINE
- T38 SPECIMEN TREE TO REMAIN
- T38X SPECIMEN TREE TO BE REMOVED
- W WETLANDS
- WB WETLANDS BUFFER

- FOREST SAVED, BUT CONSIDERED CLEARED
- AFFORESTATION/REFORESTATION AREA
- WOODLAND PRESERVATION
- FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
- LIMITS OF CRITICAL ROOT ZONE
- RP RP ROOT PRUNING LINE
- L00 LIMITS OF DISTURBANCE
- STORM DRAIN HEADWALL

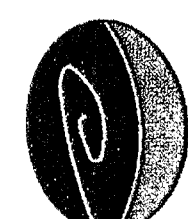
M-NCPPC APPROVALS			
PROJECT NAME	COLLINGBROOK LIMITED DSP		
PROJECT NUMBER	DSP-11036		
FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISIONS LISTED BELOW APPLY TO THIS SHEET			
APPROVAL	DATE	REVISIONS	CERTIFICATION
05/12 SM	05/12		

- TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
- PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SPLIT RAIL FENCING DETAIL)
- AFFORESTATION/PERMANENT TREE SAVE SPLIT RAIL FENCING (SEE SPLIT RAIL FENCING DETAIL)

APPROVED PLAN

M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION		
APPROVAL TREE CONSERVATION PLAN		
TCP II/100/03		
APPROVED BY	DATE	
01 J.M.	6-23-03	
02 J.M.	5-18-04	
03 J.M.	7-28-04	
04 L.S.	12-08-04	
05 L.S.	6-03-04	
06 K.S.	2-23-06	
07 M.R.	5-6-09	
08 M.R.	2-13-12	
09 M.R.	4/10/12	
10 M.R.	4/10/12	
11 M.R.	4/10/12	
12 M.R.	4/10/12	

Petra Engineering LLC



5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

DATE
MARCH 2009

DESIGNED NEG
TECHNICIAN NEG
CHECKED KVC

SCALE
1"=50'

JOB NO
1007

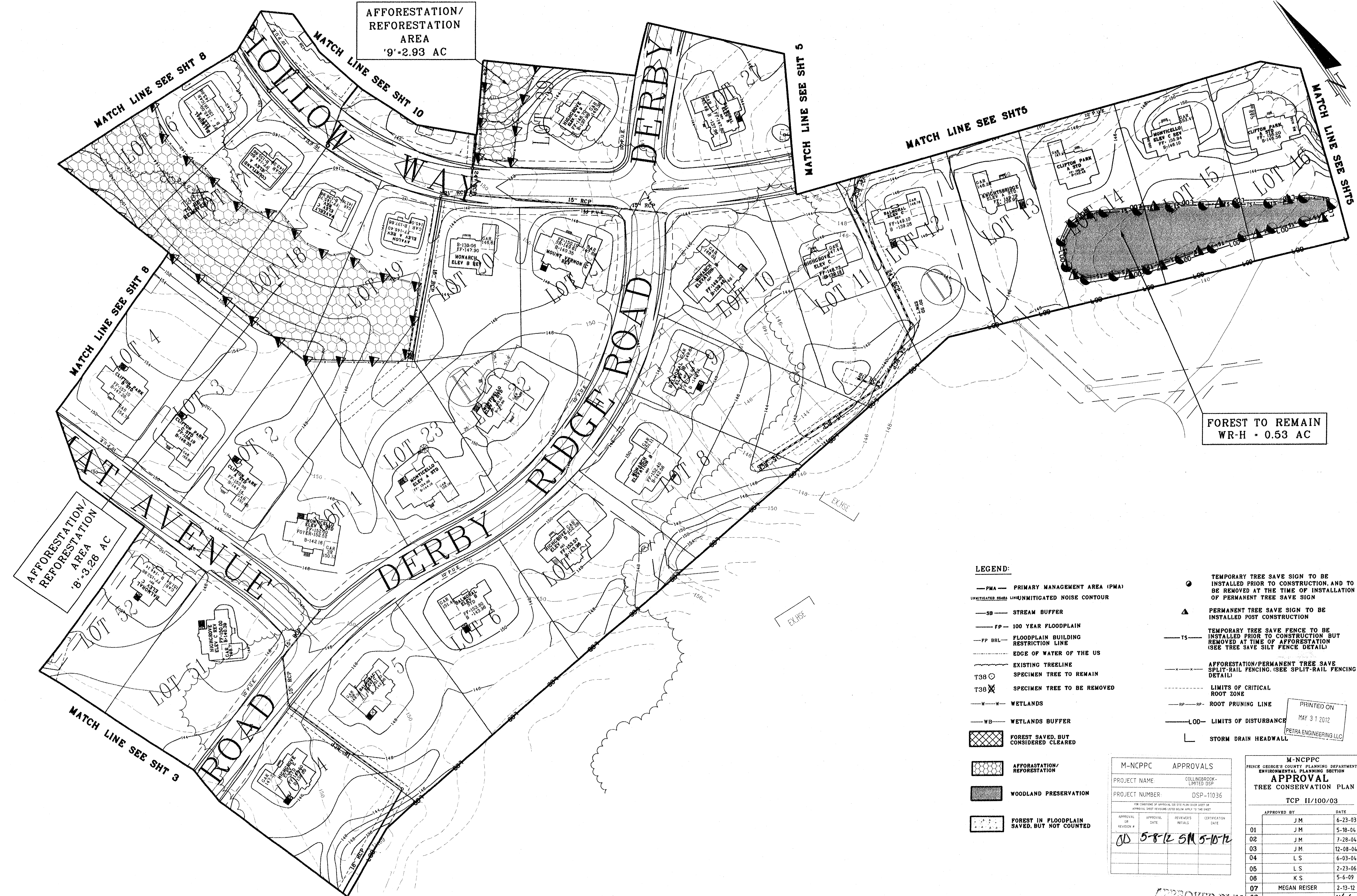
TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II
DSP-11036
TRIANGLE/COLLINGBROOK

14 TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MD

DSP-11036

TOTAL SHEETS IN SET



Petra Engineering LLC
5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

NO	REVISION	BY	DATE
1			

DATE	MARCH 2009
DESIGNED	NEG
TECHNICIAN	NEG
CHECKED	KVC
PLAN LOCATION	1007/ENG/ENV/TCP2/TCP2-54.SHT
PEN TABLE	X LEVEL SYMBOLOLOGY

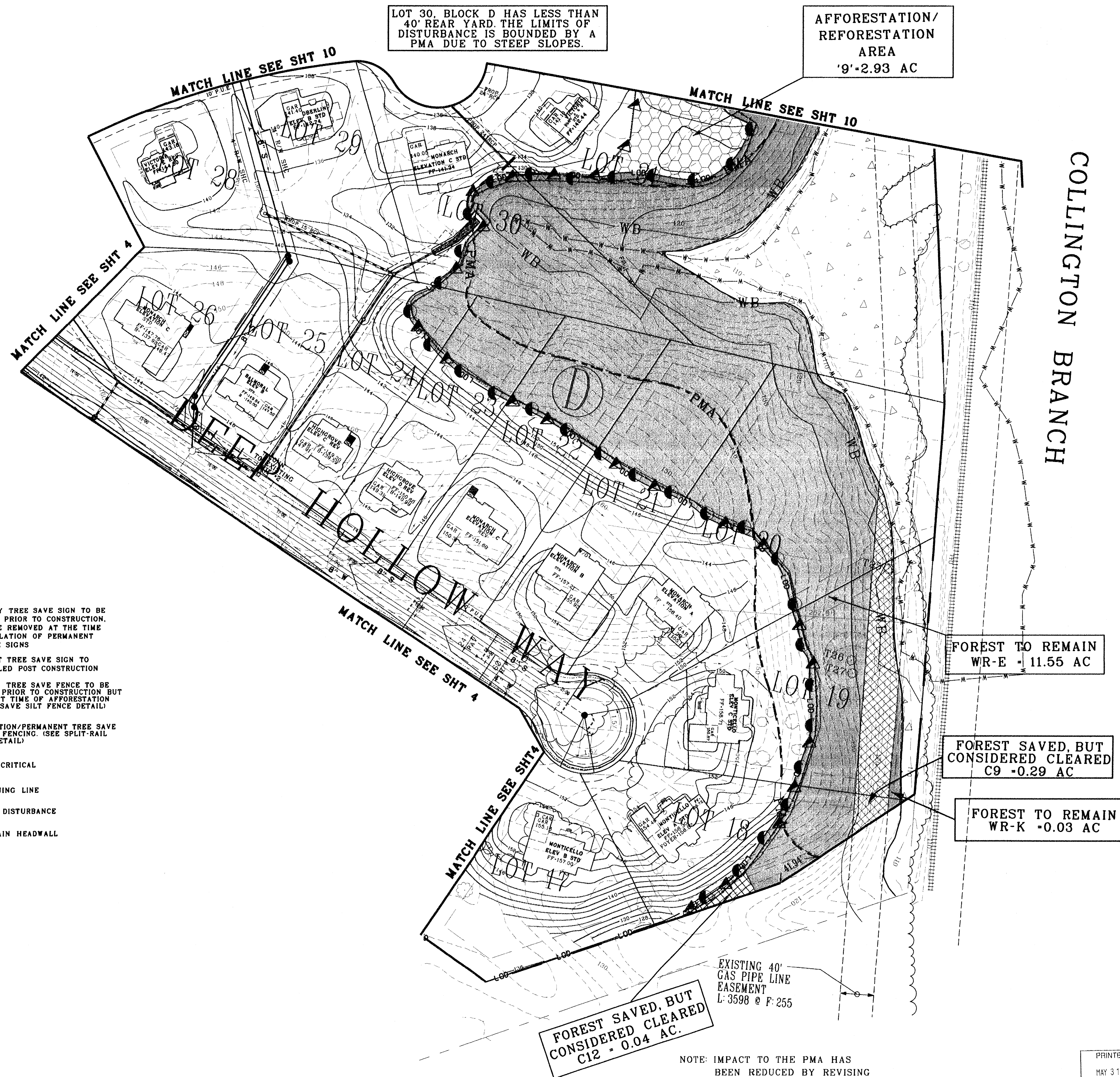
SCALE	1"=50'
JOB NO.	1007

TREE CONSERVATION PLAN TYPE II

M-NCPPC APPROVALS	
PROJECT NAME	COLLINGBROOK - LIMITED DSP
PROJECT NUMBER	DSP-11036
FOR COMPLETION OF APPROVAL, SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISIONS LISTED BELOW APPLY TO THIS SHEET	
APPROVAL OR REVISION #	APPROVAL DATE
01	JM 5-8-12
02	JM 5-10-12
APPROVED PLAN 08	
Megan K. Reiser 4/6/12	
TREE CONSERVATION PLAN TYPE II	
TRIANGLE/COLLINGBROOK	
14 TH ELECTION DISTRICT	
PRINCE GEORGE'S COUNTY, MD	
TOTAL SHEETS IN SET 12	

- LEGEND:
- PMA PRIMARY MANAGEMENT AREA (PMA)
 - UNMITIGATED NOISE LINE UNMITIGATED NOISE CONTOUR
 - SB STREAM BUFFER
 - FP 100 YEAR FLOODPLAIN
 - FP BRL FLOODPLAIN BUILDING RESTRICTION LINE
 - EDGE OF WATER OF THE US
 - EXISTING TREELINE
 - T38 SPECIMEN TREE TO REMAIN
 - T38X SPECIMEN TREE TO BE REMOVED
 - W-W WETLANDS
 - W-B WETLANDS BUFFER
 - FOREST SAVED, BUT CONSIDERED CLEARED
 - AFFORESTATION/REFORESTATION
 - WOODLAND PRESERVATION
 - FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
 - TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGN
 - PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
 - TS TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
 - APPROVED PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
 - LIMITS OF CRITICAL ROOT ZONE
 - RP-RP ROOT PRUNING LINE
 - LOD LIMITS OF DISTURBANCE
 - STORM DRAIN HEADWALL

DSP-11036



- LEGEND:**
- PMA — PRIMARY MANAGEMENT AREA (PMA)
 - UNMITIGATED NOISE LINE — UNMITIGATED NOISE CONTOUR
 - SB — STREAM BUFFER
 - FP — 100 YEAR FLOODPLAIN
 - FP BRL — FLOODPLAIN BUILDING RESTRICTION LINE
 - — EDGE OF WATER OF THE US
 - — EXISTING TREELINE
 - T38 — SPECIMEN TREE TO REMAIN
 - T38 X — SPECIMEN TREE TO BE REMOVED
 - W — WETLANDS
 - WB — WETLANDS BUFFER
 - FOREST SAVED, BUT CONSIDERED CLEARED
 - AFFORESTATION/ REFORESTATION AREA
 - WOODLAND PRESERVATION
 - FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
 - TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
 - PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
 - TS — TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
 - AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
 - LIMITS OF CRITICAL ROOT ZONE
 - RP — RP — ROOT PRUNING LINE
 - LOD — LIMITS OF DISTURBANCE
 - STORM DRAIN HEADWALL

M-NCPPC APPROVALS			
PROJECT NAME		COLLINGTONBROOK- LIMITED DSP	
PROJECT NUMBER		DSP-11036	
FOR CONDITIONS OF APPROVAL, SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISIONS LISTED BELOW. APPLY TO THIS SHEET.			
APPROVAL SHEET REVISION #	APPROVAL DATE	REVIEWER'S INITIALS	CERTIFICATION DATE
00	5/8/12	SM	5/10/12

M-NCPPC		
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT		
ENVIRONMENTAL PLANNING SECTION		
APPROVAL		
TREE CONSERVATION PLAN		
TCP II/100/03		
APPROVED BY	DATE	
01 JM	6-23-03	
02 JM	5-18-04	
03 JM	7-28-04	
04 LS	12-08-04	
05 LS	6-03-04	
06 KS	2-23-06	
07 MEGAN REISER	5-6-09	
08 MEGAN REISER	2-13-12	

PRINTED ON
MAY 31 2012
PETRA ENGINEERING LLC

APPROVED PLAN

Petra Engineering LLC
5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

NO	REVISION	BY	DATE
1			

MARCH 2009	DESIGNED NEG	TECHNICIAN NEG	CHECKED KVC
PLAN LOCATION	1007/ENG/ENV/TCR2/TCR2_SS.SHT	PEN TABLE	X LEVEL SYMBOLS

SCALE	1"=50'
JOB NO.	1007

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II
TRIANGLE/COLLINGTONBROOK
14 TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MD

MD ROUTE 50
(VARIABLE R/W)
(MARYLAND SRC PLAT *49737 & 49740)

CHURCH ROAD

FOREST SAVED, BUT
CONSIDERED CLEARED
C15 = 0.04 AC

FOREST TO REMAIN
WB-A = 8.98 AC

AFFORESTATION/
REFORESTATION
AREA 11 = 1.15 AC

PARCEL "A"
LIBER 19431 FOLIO 728
AREA = 21.1 AC

FOREST TO REMAIN
WR-B = 0.23 AC

- LEGEND:**
- PMA PRIMARY MANAGEMENT AREA (PMA)
 - UNMITIGATED NOISE LINE UNMITIGATED NOISE CONTOUR
 - SB STREAM BUFFER
 - FP 100 YEAR FLOODPLAIN
 - FP BRL FLOODPLAIN BUILDING RESTRICTION LINE
 - EDGE OF WATER OF THE US
 - EXISTING TREELINE
 - T38 SPECIMEN TREE TO REMAIN
 - T38X SPECIMEN TREE TO BE REMOVED
 - W-W WETLANDS
 - WB WETLANDS BUFFER
 - FOREST SAVED, BUT CONSIDERED CLEARED
 - WOODLAND PRESERVATION
 - AFFORESTATION/REFORESTATION AREA
 - FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
 - RP- RP- ROOT PRUNING LINE
 - LOD- LIMITS OF DISTURBANCE
 - STORM DRAIN HEADWALL
 - TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
 - PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
 - TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
 - AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING. (SEE SPLIT-RAIL FENCING DETAIL)

PRINTED ON
MAY 31 2012
PETRA ENGINEERING LLC

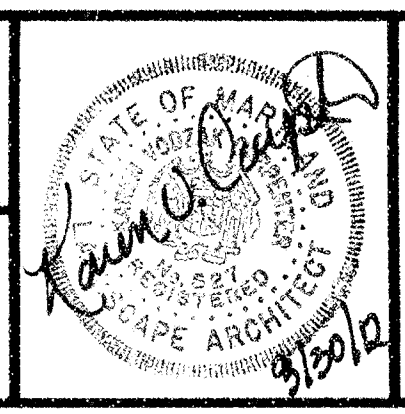
M-NCPPC APPROVALS	
PROJECT NAME	COLLINGBROOK - LIMITED DSP
PROJECT NUMBER	DSP-11036
FOR COMPLETION OF APPROVAL, SEE SITE PLAN (SHEET 12) OR APPROVAL SHEET PREVIOUSLY LISTED BELOW APPLY TO THIS SHEET	
APPROVAL OF SECTION #	DATE
00	5/8/12 SM 5/8/12

M-NCPPC APPROVAL	
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION	
TREE CONSERVATION PLAN	
TCP II/100/03	
APPROVED BY	DATE
01 J M	6-23-03
02 J M	5-18-04
03 J M	7-28-04
04 L S	12-08-04
05 L S	6-03-04
06 K S	2-23-06
07 MEGAN REISER	5-6-09
08	2-13-12

Petra Engineering LLC

5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

NO.	REVISION	BY	DATE	DESIGNED	DATE	TECHNICIAN	CHECKED	PLAN LOCATION	PEN TABLE	LEVEL SYMBOL
1	ADDED PHASING TO PHASE 3	DJW	12/6/2011	NEG	MARCH 2009	NEG	KVC	1007/ENG/ENV/TCPS/TCPS, S6 SHT	X	LEVEL SYMBOL



TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II
TRIANGLE/COLLINGBROOK

14 TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MD

DSP-11036

6 OF 12

TOTAL SHEETS IN SET 12

AFFORESTATION/
REFORESTATION
AREA
'11'-1.15 AC

FOREST TO REMAIN
WR-G - 1.10 AC

AFFORESTATION/
REFORESTATION
AREA
'4'-2.27 AC

FOREST TO REMAIN
WR-F - 10.02 AC

JOHN HANSON HIGHWAY ~ MD RTE

(VARIABLE R/W)

(MARYLAND SRC PLAT #9976 THRU 9980)

M.S.H.A. R/W TAKING LINE

PLAT #49741

AFFORESTATION/
REFORESTATION
AREA
'3'-0.47 AC

AFFORESTATION/
REFORESTATION
AREA
'7'-0.39 AC

LEGEND:

- PMA— PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED 65dBA LINE— UNMITIGATED NOISE CONTOUR
- SB— STREAM BUFFER
- FP— 100 YEAR FLOODPLAIN
- FP BRL— FLOODPLAIN BUILDING RESTRICTION LINE
- EOW— EDGE OF WATER OF THE US
- ETL— EXISTING TREELINE
- T38 ○ SPECIMEN TREE TO REMAIN
- T38 ✕ SPECIMEN TREE TO BE REMOVED
- W— WETLANDS
- WB— WETLANDS BUFFER
- FS— FOREST SAVED, BUT CONSIDERED CLEARED
- AR— AFFORESTATION/REFORESTATION AREA
- FIS— FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
- WP— WOODLAND PRESERVATION

● TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS

▲ PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION

—TS— TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)

—X— AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)

—L— LIMITS OF CRITICAL ROOT ZONE

—RP— ROOT PRUNING LINE

—LO— LIMITS OF DISTURBANCE

—L— STORM DRAIN HEADWALL

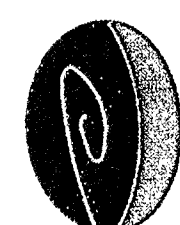
M-NCPPC APPROVALS			
PROJECT NAME: COLLINGBROOK LIMITED DSP			
PROJECT NUMBER: DSP-11036			
THE CONDITIONS OF APPROVAL, SEE SITE PLAN, SHALL APPLY TO THIS SHEET.			
APPROVAL OR REVISION #	DATE	REVIEWER'S INITIALS	CERTIFICATION DATE
01	5/1/12	SM	5/10/12

M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN		
TCP 11/100/03		
APPROVED BY	DATE	
01 J.M.	6-23-03	
02 J.M.	5-18-04	
03 J.M.	7-28-04	
04 J.M.	12-08-04	
05 L.S.	6-03-04	
06 L.S.	2-23-06	
07 K.S.	5-6-09	
08 MEGAN REISER	2-13-12	

PRINTED ON
MAY 31 2012

PETRA ENGINEERING LLC
APPROVED PLAN

Petra Engineering LLC



5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

NO.	REVISION	BY	DATE
1	ADDED PHASING TO PHASE 3	KVC	12/8/2011

DATE	MARCH 2009
DESIGNED	NEG
TECHNICIAN	NEG
CHECKED	KVC
PLAN LOCATION	1007/ENG/ENV/TCP2/TCP2_S7.SHT
PEN TABLE	X LEVEL SYMBOLLOGY

SCALE

1"=50'

JOB NO.

1007



TREE CONSERVATION PLAN TYPE II

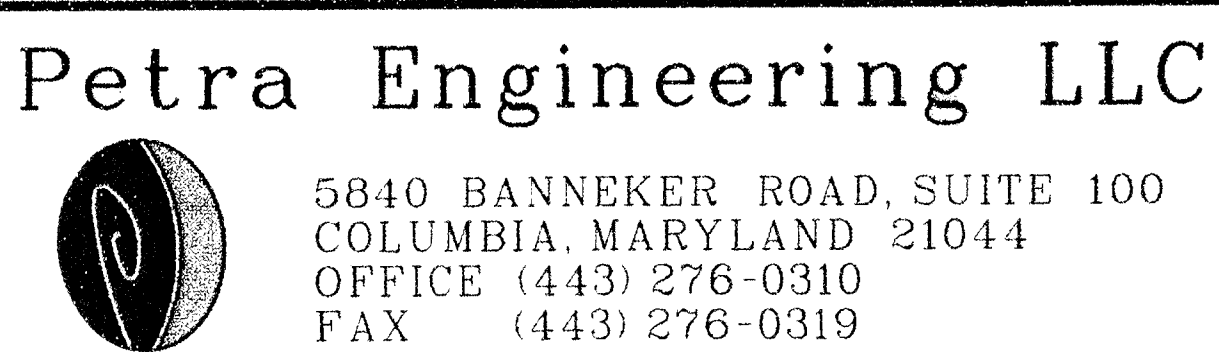
TREE CONSERVATION PLAN TYPE II
DSP-11036
TRIANGLE/COLLINGBROOK

14 TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MD

DSP-11036

TOTAL SHEETS IN SET: 12

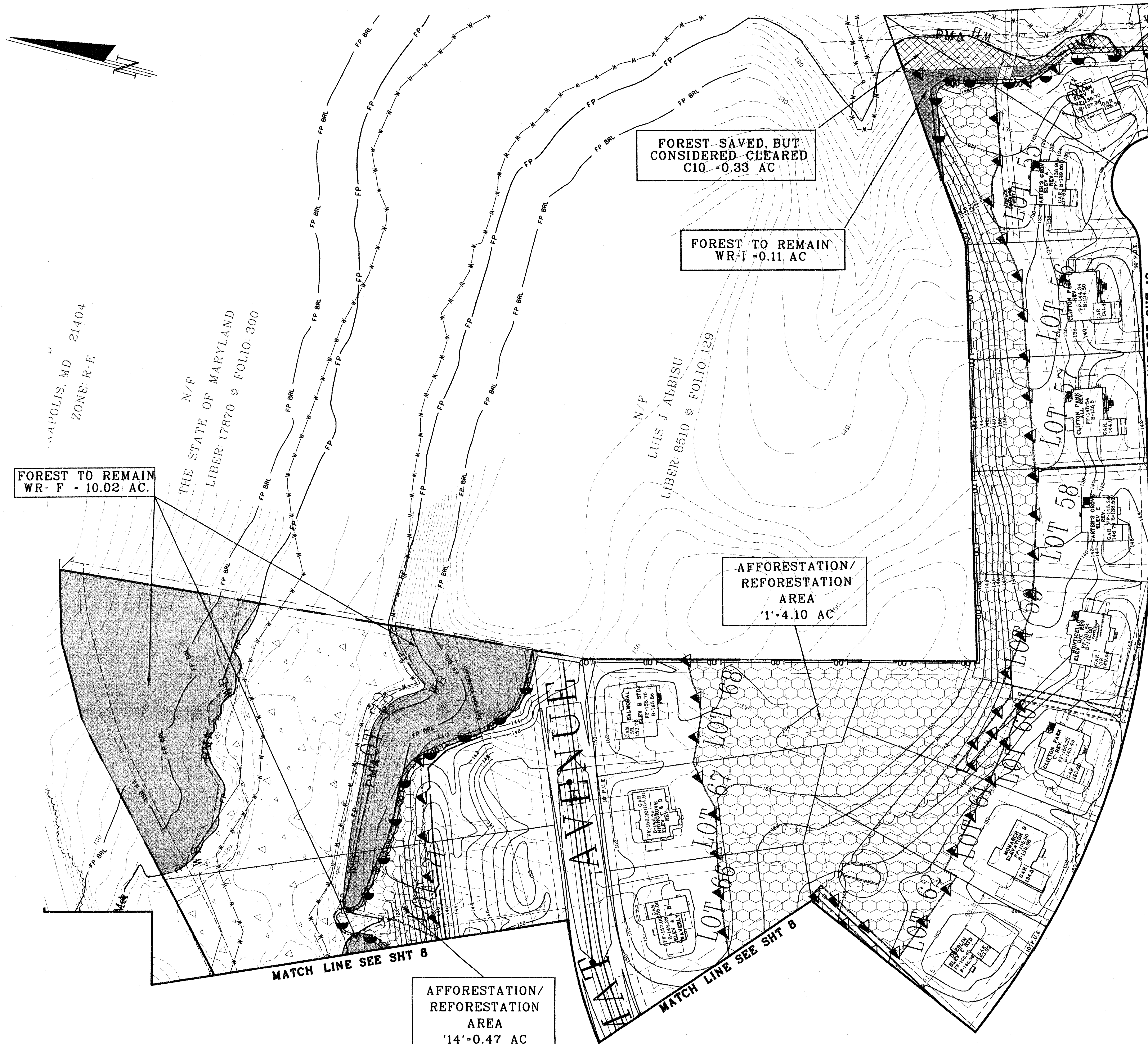
FOREST TO REMAIN
WR-F - 10.02 AC



DATE		
MARCH 2009		
DESIGNED	NEG	
TECHNICAL	NEG	PLAN LOCATION 1007/ENG/ENV/TCP2/TCP2.88 SH7
CHECKED	KVC	DEN. TABLE X LEVEL SYMBOLOGY

STATE OF MARYLAND
KAREN O. CARP
3/30/12

TREE CONSERVATION PLAN TYPE II
~~BSI 10036~~
TRIANGLE/COLLINGBROOK
 14 TH ELECTION DISTRICT
 PRINCE GEORGE'S COUNTY, MD

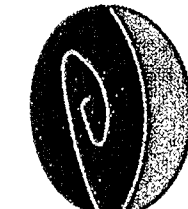


- LEGEND:**
- PMA — PRIMARY MANAGEMENT AREA (PMA)
 - UNMITIGATED NOISE CONTOUR
 - SB — STREAM BUFFER
 - FP — 100 YEAR FLOODPLAIN
 - FP BRL — FLOODPLAIN BUILDING RESTRICTION LINE
 - EOW — EDGE OF WATER OF THE US
 - EXISTING TREELINE
 - T38 — SPECIMEN TREE TO REMAIN
 - T38 X — SPECIMEN TREE TO BE REMOVED
 - W — WETLANDS
 - WB — WETLANDS BUFFER
 - FSC — FOREST SAVED, BUT CONSIDERED CLEARED
 - AFF — AFFORESTATION/REFORESTATION AREA
 - FIF — FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
 - WLP — WOODLAND PRESERVATION
 - LOD — LIMITS OF DISTURBANCE
 - SDH — STORM DRAIN HEADWALL
 - TSS — TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
 - PMS — PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
 - TSF — TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION BUT REMOVED AT TIME OF AFFORESTATION (SEE TREE SAVE SILT FENCE DETAIL)
 - X — AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
 - LCRZ — LIMITS OF CRITICAL ROOT ZONE
 - RP — ROOT PRUNING LINE

M-NCPPC APPROVALS			
PROJECT NAME:	COLLINGBROOK - LIMITED DSP		
PROJECT NUMBER:	DSP-11036		
FOR CONDITIONS OF APPROVAL, SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISIONS LISTED BELOW APPLY TO THIS SHEET			
APPROVAL OR REVISION #	DATE	REVIEWER'S INITIALS	CERTIFICATION DATE
00	5/8/12	SM	5/8/12

M-NCPPC APPROVAL			
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION			
TREE CONSERVATION PLAN			
TCP II/100/03			
APPROVED BY	DATE	DATE	DATE
01	JM	6-23-03	
02	JM	5-18-04	
03	JM	7-28-04	
04	LS	12-08-04	
05	LS	6-03-04	
06	LS	2-23-06	
07	KS	5-6-09	
08	MEGAN REISER	2-13-12	
09	MEGAN REISER	4/10/12	
			9 OF 12

Petra Engineering LLC

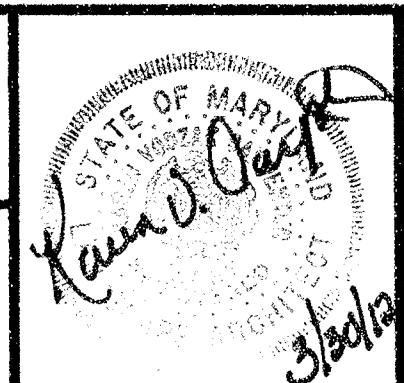


5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

NO.	REVISION	BY	DATE
1	ADDED PHASING TO PHASE 3	KVC	12/6/2011

DATE	DESIGNED	TECHNICIAN	CHECKED
MARCH 2009	NEG	NEG	KVC

SCALE	JOB NO.
1"=50'	1007

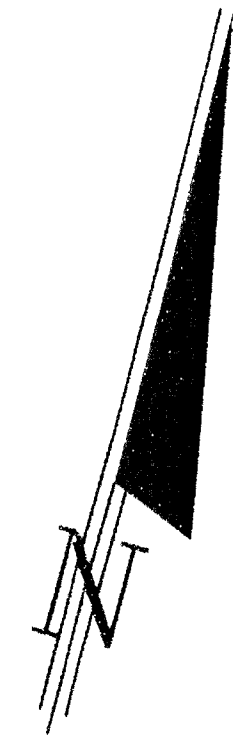


TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II
TRIANGLE/COLLINGBROOK

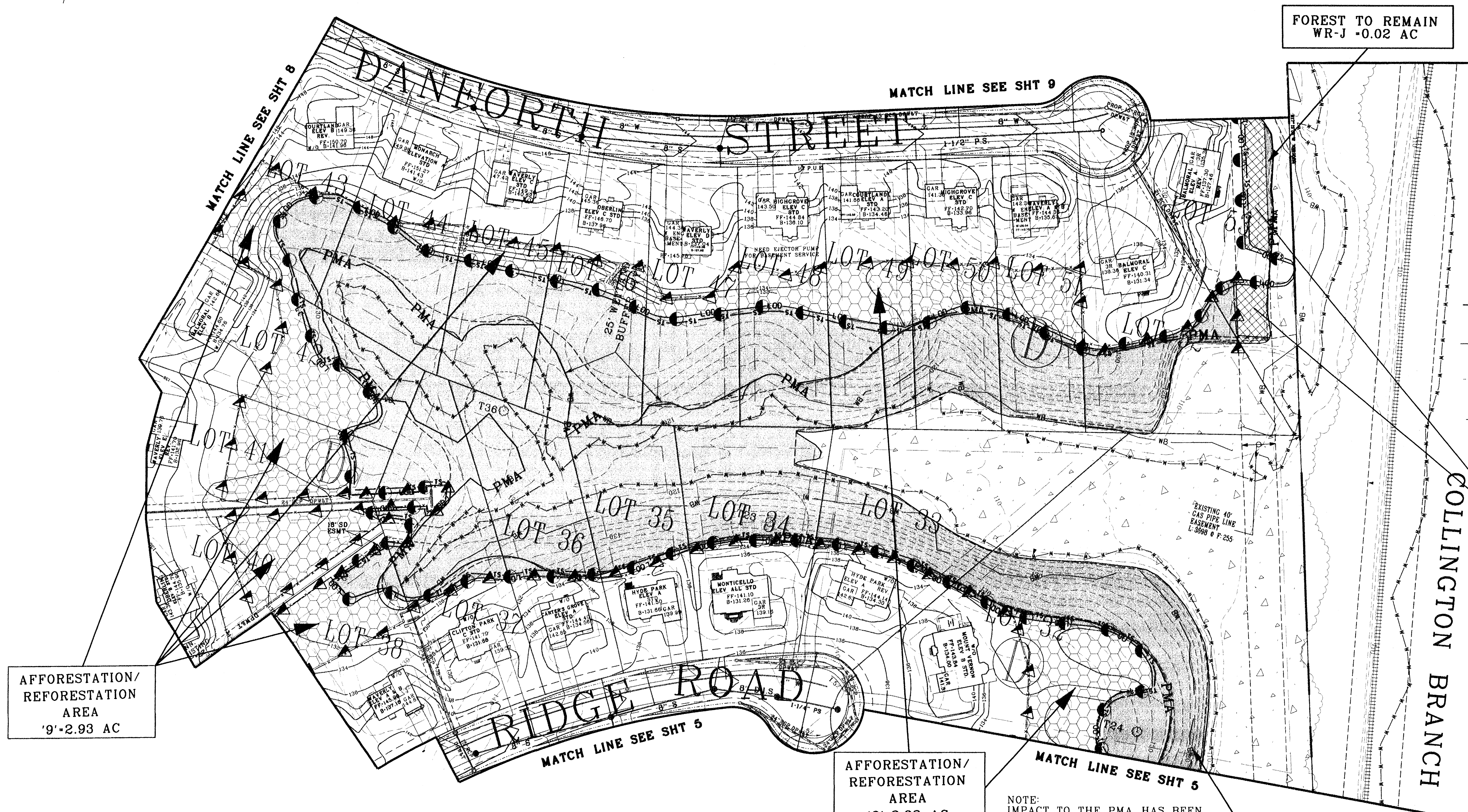
14 TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MD

DSP-11036



LEGEND:

- PMA — PRIMARY MANAGEMENT AREA (PMA)
- UNMITIGATED NOISE CONTOUR
- SB — STREAM BUFFER
- FP — 100 YEAR FLOODPLAIN
- FP BRL — FLOODPLAIN BUILDING RESTRICTION LINE
- EDGE OF WATER OF THE US
- EXISTING TREELINE
- T38 — SPECIMEN TREE TO REMAIN
- T38 — SPECIMEN TREE TO BE REMOVED
- W — WETLANDS
- WB — WETLANDS BUFFER
- FOREST SAVED, BUT CONSIDERED CLEARED
- AFFORESTATION/ REFORESTATION AREA
- FOREST IN FLOODPLAIN SAVED, BUT NOT COUNTED
- WOODLAND PRESERVATION
- LOO — LIMITS OF DISTURBANCE
- STORM DRAIN HEADWALL
- TEMPORARY TREE SAVE SIGN TO BE INSTALLED PRIOR TO CONSTRUCTION, AND TO BE REMOVED AT THE TIME OF INSTALLATION OF PERMANENT TREE SAVE SIGNS
- PERMANENT TREE SAVE SIGN TO BE INSTALLED POST CONSTRUCTION
- TEMPORARY TREE SAVE FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION (SEE TREE SAVE SILT FENCE DETAIL)
- AFFORESTATION/PERMANENT TREE SAVE SPLIT-RAIL FENCING (SEE SPLIT-RAIL FENCING DETAIL)
- LIMITS OF CRITICAL ROOT ZONE
- RP — RP — ROOT PRUNING LINE



FOREST TO REMAIN
WR-J -0.02 AC

FOREST SAVED, BUT
CONSIDERED
CLEARED
'C10'-0.33 AC

AFFORESTATION/
REFORESTATION
AREA
'9'-2.93 AC

AFFORESTATION/
REFORESTATION
AREA
'9'-2.93 AC

FOREST TO REMAIN
WR-E = 11.55 AC

NOTE:
IMPACT TO THE PMA HAS BEEN
REDUCED BY REVISING THE
GRADING FOR THE HOUSES ON
LOTS 31 & 32, BLOCK D.

LOTS 33-37, BLOCK D HAVE LESS
THAN 40' REAR YARD. THE LIMITS
OF DISTURBANCE IS BOUNDED
BY A PMA DUE TO STEEP SLOPES

M-NCPPC APPROVALS			
PROJECT NAME COLLINGBROOK - LIMITED DSP			
PROJECT NUMBER DSP-11036			
APPROVAL OR REVIEW #	APPROVAL DATE	REVIEWER'S INITIALS	CERTIFICATION DATE
01	5/6/12	JM	5/6/12

M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN			
TCP 11/100/03			
APPROVED BY	DATE		
01	JM	6-23-03	
02	JM	5-18-04	
03	JM	7-28-04	
04	JM	12-08-04	
05	LS	6-03-04	
06	LS	2-23-06	
07	KS	5-6-09	
08	MEGAN REISER	2-13-12	

PRINTED ON
MAY 31 2012
PETRA ENGINEERING LLC

APPROVED PLAN

Petra Engineering LLC
5840 BANNEKER ROAD, SUITE 100
COLUMBIA, MARYLAND 21044
OFFICE (443) 276-0310
FAX (443) 276-0319

NO.	REVISION	BY	DATE
1			
DATE MARCH 2009			
DESIGNED NEG			
TECHNICIAN NEG			
CHECKED KVC			
PLAN LOCATION 1007/ENG/ENV/TC2/TC2.310.SHT			
PEN TABLE X LEVEL SYMBOLOLOGY			

SCALE
1"=50'
JOB NO
1007

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II
TRIANGLE/COLLINGBROOK
DSP 11036
14 TH ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MD

Protection of Reforestation and Afforestation Areas by Developers or Builders

1. Reforestation and afforestation areas shall be planted prior to the occupancy of the nearest building or residence. If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved 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 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 Grading Inspector and the Environmental Planning Section.

2. Reforestation areas shall not be mowed, however, the management of competing vegetation around individual trees is acceptable.

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 1			
1.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 1			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	186	
ACER RUBRUM	RED MAPLE	45	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	45	
FAGUS GRANDIFOLIA	AMERICAN BEECH	45	
QUERCUS PALUSTRIS	PIN OAK	45	
PRUNUS SEROTINA	BLACK CHERRY	45	
QUERCUS ALBA	WHITE OAK	45	
NYSSA SYLVATICA	BLACK OAK	45	
TOTAL TREES		500	
TOTAL SEEDLING EQUIVALENT		2500	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	60	
UNIONIA BEZON	SPICEBUSH	57	
CERCIS CANADENSIS	REDBUD	60	
TOTAL TREES		177	
TOTAL SEEDLING EQUIVALENT		885	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	50	
ACER RUBRUM	RED MAPLE	50	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	50	
FAGUS GRANDIFOLIA	AMERICAN BEECH	50	
QUERCUS PALUSTRIS	PIN OAK	50	
PRUNUS SEROTINA	BLACK CHERRY	50	
QUERCUS ALBA	WHITE OAK	50	
NYSSA SYLVATICA	BLACK OAK	50	
TOTAL TREES		350	
TOTAL SEEDLING EQUIVALENT		1750	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 2			
2.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 2			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	14	
ACER RUBRUM	RED MAPLE	14	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	14	
FAGUS GRANDIFOLIA	AMERICAN BEECH	14	
QUERCUS PALUSTRIS	PIN OAK	14	
PRUNUS SEROTINA	BLACK CHERRY	14	
QUERCUS ALBA	WHITE OAK	14	
NYSSA SYLVATICA	BLACK OAK	14	
TOTAL TREES		140	
TOTAL SEEDLING EQUIVALENT		700	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	10	
ACER RUBRUM	RED MAPLE	10	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	10	
FAGUS GRANDIFOLIA	AMERICAN BEECH	10	
QUERCUS PALUSTRIS	PIN OAK	10	
PRUNUS SEROTINA	BLACK CHERRY	10	
QUERCUS ALBA	WHITE OAK	10	
NYSSA SYLVATICA	BLACK OAK	10	
TOTAL TREES		100	
TOTAL SEEDLING EQUIVALENT		500	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 3			
3.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 3			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	11	
ACER RUBRUM	RED MAPLE	11	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	11	
FAGUS GRANDIFOLIA	AMERICAN BEECH	11	
QUERCUS PALUSTRIS	PIN OAK	11	
PRUNUS SEROTINA	BLACK CHERRY	11	
QUERCUS ALBA	WHITE OAK	11	
NYSSA SYLVATICA	BLACK OAK	11	
TOTAL TREES		110	
TOTAL SEEDLING EQUIVALENT		550	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	10	
ACER RUBRUM	RED MAPLE	10	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	10	
FAGUS GRANDIFOLIA	AMERICAN BEECH	10	
QUERCUS PALUSTRIS	PIN OAK	10	
PRUNUS SEROTINA	BLACK CHERRY	10	
QUERCUS ALBA	WHITE OAK	10	
NYSSA SYLVATICA	BLACK OAK	10	
TOTAL TREES		100	
TOTAL SEEDLING EQUIVALENT		500	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 4			
4.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 4			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	11	
ACER RUBRUM	RED MAPLE	11	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	11	
FAGUS GRANDIFOLIA	AMERICAN BEECH	11	
QUERCUS PALUSTRIS	PIN OAK	11	
PRUNUS SEROTINA	BLACK CHERRY	11	
QUERCUS ALBA	WHITE OAK	11	
NYSSA SYLVATICA	BLACK OAK	11	
TOTAL TREES		110	
TOTAL SEEDLING EQUIVALENT		550	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	10	
ACER RUBRUM	RED MAPLE	10	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	10	
FAGUS GRANDIFOLIA	AMERICAN BEECH	10	
QUERCUS PALUSTRIS	PIN OAK	10	
PRUNUS SEROTINA	BLACK CHERRY	10	
QUERCUS ALBA	WHITE OAK	10	
NYSSA SYLVATICA	BLACK OAK	10	
TOTAL TREES		100	
TOTAL SEEDLING EQUIVALENT		500	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 5			
5.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 5			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	72	
ACER RUBRUM	RED MAPLE	72	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	72	
FAGUS GRANDIFOLIA	AMERICAN BEECH	72	
QUERCUS PALUSTRIS	PIN OAK	72	
PRUNUS SEROTINA	BLACK CHERRY	72	
QUERCUS ALBA	WHITE OAK	72	
NYSSA SYLVATICA	BLACK OAK	72	
TOTAL TREES		504	
TOTAL SEEDLING EQUIVALENT		2520	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	84	
UNIONIA BEZON	SPICEBUSH	84	
CERCIS CANADENSIS	REDBUD	84	
TOTAL TREES		252	
TOTAL SEEDLING EQUIVALENT		1260	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	36	
ACER RUBRUM	RED MAPLE	36	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	36	
FAGUS GRANDIFOLIA	AMERICAN BEECH	36	
QUERCUS PALUSTRIS	PIN OAK	36	
PRUNUS SEROTINA	BLACK CHERRY	36	
QUERCUS ALBA	WHITE OAK	36	
NYSSA SYLVATICA	BLACK OAK	36	
TOTAL TREES		324	
TOTAL SEEDLING EQUIVALENT		1620	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 6			
6.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 6			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	7	
ACER RUBRUM	RED MAPLE	7	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	7	
FAGUS GRANDIFOLIA	AMERICAN BEECH	7	
QUERCUS PALUSTRIS	PIN OAK	7	
PRUNUS SEROTINA	BLACK CHERRY	7	
QUERCUS ALBA	WHITE OAK	7	
NYSSA SYLVATICA	BLACK OAK	7	
TOTAL TREES		49	
TOTAL SEEDLING EQUIVALENT		245	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	14	
UNIONIA BEZON	SPICEBUSH	14	
CERCIS CANADENSIS	REDBUD	14	
TOTAL TREES		42	
TOTAL SEEDLING EQUIVALENT		210	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	7	
ACER RUBRUM	RED MAPLE	7	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	7	
FAGUS GRANDIFOLIA	AMERICAN BEECH	7	
QUERCUS PALUSTRIS	PIN OAK	7	
PRUNUS SEROTINA	BLACK CHERRY	7	
QUERCUS ALBA	WHITE OAK	7	
NYSSA SYLVATICA	BLACK OAK	7	
TOTAL TREES		49	
TOTAL SEEDLING EQUIVALENT		245	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 7			
7.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 7			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	10	
ACER RUBRUM	RED MAPLE	10	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	10	
FAGUS GRANDIFOLIA	AMERICAN BEECH	10	
QUERCUS PALUSTRIS	PIN OAK	10	
PRUNUS SEROTINA	BLACK CHERRY	10	
QUERCUS ALBA	WHITE OAK	10	
NYSSA SYLVATICA	BLACK OAK	10	
TOTAL TREES		110	
TOTAL SEEDLING EQUIVALENT		550	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	14	
UNIONIA BEZON	SPICEBUSH	14	
CERCIS CANADENSIS	REDBUD	14	
TOTAL TREES		42	
TOTAL SEEDLING EQUIVALENT		210	
EVERGREEN TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	10	
ACER RUBRUM	RED MAPLE	10	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	10	
FAGUS GRANDIFOLIA	AMERICAN BEECH	10	
QUERCUS PALUSTRIS	PIN OAK	10	
PRUNUS SEROTINA	BLACK CHERRY	10	
QUERCUS ALBA	WHITE OAK	10	
NYSSA SYLVATICA	BLACK OAK	10	
TOTAL TREES		110	
TOTAL SEEDLING EQUIVALENT		550	
SHRUBS			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	10	
UNIONIA BEZON	SPICEBUSH	10	
CERCIS CANADENSIS	REDBUD	10	
TOTAL TREES		30	
TOTAL SEEDLING EQUIVALENT		150	

AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 8			
8.0 AFFORESTATION/REFORESTATION PLANT LIST FOR AREA 8			
DECIDUOUS SHADE TREES	USE 1" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	QTY	
SCIENTIFIC NAME	COMMON NAME		
LIQUIDAMBAR STYRACIFLUA	SWEET GUM	49	
ACER RUBRUM	RED MAPLE	49	
LIRIODENDRON TULIPIFERA	TULIP POPLAR	49	
FAGUS GRANDIFOLIA	AMERICAN BEECH	49	
QUERCUS PALUSTRIS	PIN OAK	49	
PRUNUS SEROTINA	BLACK CHERRY	49	
QUERCUS ALBA	WHITE OAK	49	
NYSSA SYLVATICA	BLACK OAK	49	
TOTAL TREES		490	
TOTAL SEEDLING EQUIVALENT		2450	
DECIDUOUS UNDERSTORY TREES			
SCIENTIFIC NAME	COMMON NAME	QTY	
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	58	
UNIONIA BEZON	SPICEBUSH	58	
CERCIS CANADENSIS	REDBUD	58	
TOTAL TREES		174	
TOTAL SEEDLING EQUIVALENT		870	
EVERGREEN TREES			