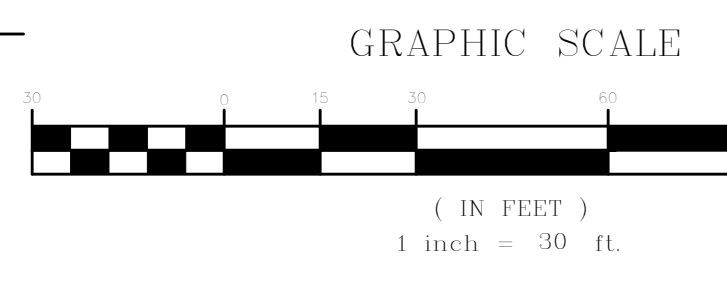


- LEGEND**
- 14" RED OAK EXISTING TREE <24" DBH TO BE REMOVED
 - 26" RED OAK EXISTING SIGNIFICANT TREE >24" AND <30" DBH WITH TAG NUMBER & CRZ TO BE REMOVED
 - 32" RED OAK EXISTING SPECIMEN TREE >30" DBH WITH TAG NUMBER & CRZ TO BE REMOVED
 - FOREST TREELINE
 - CANOPY TREELINE
 - LIMITS OF SURVEY
 - PROPERTY BOUNDARY
 - STREAM
 - STREAM BUFFER
 - POTENTIAL WETLANDS
 - 40' WETLAND BUFFER
 - FOOT PATH
 - RECORD PLAT FLOODPLAIN
 - FLOODPLAIN AND PROPERTY BUILDING RESTRICTION LINE
 - LIMITS OF DISTURBANCE
 - COMBINED ROOT PRUNE TRENCH/TREE PROTECTION FENCE (TEMPORARY)
 - TREE PROTECTION FENCE (TEMPORARY)
 - TEMPORARY TREE PROTECTION SIGNAGE (APPROX. 50' O.C.)
 - FOREST OR FCE CLEARING AREA
 - REFORESTATION AREA
 - CONSERVATION EASEMENT PERMANENT POSTS WITH SIGNAGE AT 50' O.C.
 - EXISTING CAT. 1 EASEMENT FOREST RETENTION PER PREVIOUS APPROVED FFCP
 - EXISTING CAT. 1 EASEMENT REFORESTATION AREA PER PREVIOUS APPROVED FFCP
 - PROPOSED TREE PLANTING FOR MITIGATION FOR REMOVAL OF SPECIMEN TREES

MATCHLINE SHEET C-702

- GENERAL FCP NOTES:**
- ROOT PRUNE TRENCH IS NOT TO IMPACT UTILITIES.
 - NO CLEARING IS TO TAKE PLACE OUTSIDE OF THE LIMITS OF DISTURBANCE.
 - AREAS SHOWN TO BE CLEARED OUTSIDE OF THE LIMITS OF DISTURBANCE ARE FOR CALCULATIONS ONLY.
- SITE PLANTING NOTE:**
- TREES AND SHRUBS TO BE PLANTED OUTSIDE OF L.O.D. ARE TO BE DUG WITH HAND EQUIPMENT ONLY. NO MACHINERY IS TO GO OUTSIDE OF L.O.D. PLANTS ARE TO BE INSTALLED AND STABILIZED SAME DAY.

EXISTING FENCE TO BE REMOVED OUTSIDE THE LOD IS TO BE REMOVED BY HAND ONLY. NO MACHINERY IS TO GO BEYOND THE LOD. THE FENCE IS TO BE REMOVED CAREFULLY WITH NO DAMAGE TO EXISTING TREE ROOTS. DISTURBED SOIL IS TO BE BACKFILLED AND STABILIZED SAME DAY. THE WORK SHALL OCCUR AS A PRE-CONSTRUCTION MEASURE OR FIRST PHASE OF WORK UNDER THE DIRECTION OF THE PROJECT ARBORIST. THE AREA OF IMPACT TO THE ROOT ZONES OUTSIDE OF THE LOD SHALL BE VERTICAL MULCHED UNDER THE DIRECTION OF THE PROJECT ARBORIST.



CERTIFICATION OF QUALIFIED PROFESSIONAL
 I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE, MNCPP&C AND MONTGOMERY COUNTY FOREST CONSERVATION LAWS.

DEVELOPER'S CERTIFICATE

The Undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. _____ including financial bonding, forest planting, maintenance, and all other applicable agreements.

Developer's Name: MONTGOMERY COUNTY PUBLIC SCHOOLS
 Contact Person or Owner: MR. R. CORAG SHUMAN
 Address: 2096 GATHER ROAD, ROCKVILLE, MD 20854
 Phone and Email: r_corag_shuman@mcpsmd.org

WATER CLASS	USE IV	WATERSHED	NORTHWEST BRANCH	FEMA FLOODPLAIN MAP PANEL #	24031C0360D
TRIBUTARY	BEL PRE CREEK	200 SHEET	218N003	SCALE	AS SHOWN
TAX MAP	HR562	NORTON PROJ. NO.	10-058	GRID	G-7

Norton Land Design
 811 Russell Avenue, Suite 301
 P.O. Box 2169501, Silver Spring, MD 20916

1720 Beloville Drive
 Suite 600
 Calverton, MD 20705

GRIMM + PARKER ARCHITECTS

GP# 21027

AMENDED FINAL FOREST CONSERVATION PLAN
 BEL PRE ELEMENTARY SCHOOL MODERNIZATION
 13801 RIPPLING BROOK DRIVE, SILVER SPRING, MD 20906

C-701

09.10.11
 MR SUBMITTAL

GENERAL FCP NOTES:

- ROOT PRUNE TRENCH IS NOT TO IMPACT UTILITIES.
- NO CLEARING IS TO TAKE PLACE OUTSIDE OF THE LIMITS OF DISTURBANCE.
- AREAS SHOWN TO BE CLEARED OUTSIDE OF THE LIMITS OF DISTURBANCE ARE FOR CALCULATIONS ONLY.

SITE PLANTING NOTE:

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SIGNIFICANT/SPECIMEN TREE SUMMARY 24" +

TREE #	SPECIES	DBH (INCHES)	TREE CONDITION	COMMENTS	STATUS	VARIANCE %CRZ REQUEST	%RZ IMPACTS
1	VOID						
2	RED MAPLE	24	GOOD	OFFSITE	SAVE & PROTECT		
3	RED OAK	31	GOOD		REMOVE	YES	51
4	BEECH	24	GOOD	SPLITS @ 7'	SAVE & PROTECT		
5	BEECH	28	GOOD		SAVE & PROTECT		
6	YELLOW POPLAR	29	GOOD		REMOVE		
7	YELLOW POPLAR	24	GOOD		SAVE & PROTECT		
8	RED OAK	30	GOOD		REMOVE (POTENTIAL SAVE)	YES	35
9	YELLOW POPLAR	24	GOOD		SAVE & PROTECT		
10	YELLOW POPLAR	25	GOOD		REMOVE		
11	YELLOW POPLAR	24	GOOD		REMOVE		
12	SAWTOOTH OAK	28	GOOD		REMOVE	YES	100
13	NORWAY MAPLE	24	GOOD		REMOVE		
14	WHITE PINE	24	GOOD	OFFSITE	REMOVE WOVNER PERMISSION		
15	WHITE PINE	28	GOOD	OFFSITE	SAVE & PROTECT		
16	WHITE PINE	28	GOOD	OFFSITE	REMOVE WOVNER PERMISSION		
17	WHITE PINE	24	GOOD	OFFSITE	SAVE & PROTECT		
18	WHITE PINE	26	GOOD	OFFSITE	REMOVE WOVNER PERMISSION		
19	RED OAK	24	GOOD	OFFSITE	SAVE & PROTECT		
20	YELLOW POPLAR	24	POOR	OFFSITE/TOP HALF BROKEN	SAVE & PROTECT		
21	YELLOW POPLAR	26	GOOD		SAVE & PROTECT		
22	BEECH	38	GOOD	OFFSITE	SAVE & PROTECT		
23	BEECH	32	GOOD	OFFSITE	SAVE & PROTECT		
24	BEECH	28	GOOD	OFFSITE	SAVE & PROTECT		
25	BEECH	25	GOOD	OFFSITE	SAVE & PROTECT		
26	RED MAPLE	26	GOOD	OFFSITE	SAVE & PROTECT		
27	BEECH	26	GOOD	OFFSITE	SAVE & PROTECT		
28	PIN OAK	34	FAIR	OFFSITE/DEAD LIMBS	SAVE & PROTECT	YES	1%
29	YELLOW POPLAR	28	GOOD	OFFSITE	SAVE & PROTECT		
30	PIN OAK	29	GOOD	OFFSITE	SAVE & PROTECT		
31	YELLOW POPLAR	25	GOOD	OFFSITE	SAVE & PROTECT		
32	YELLOW POPLAR	32	GOOD	OFFSITE	SAVE & PROTECT	YES	6
33	YELLOW POPLAR	28	GOOD	OFFSITE	SAVE & PROTECT		
34	RED OAK	42	GOOD	SPLITS @ 8'	SAVE & PROTECT	YES	15
35	YELLOW POPLAR	25	GOOD		SAVE & PROTECT		
36	YELLOW POPLAR	27	GOOD		SAVE & PROTECT		
37	YELLOW POPLAR	36	GOOD	SPLITS @ 5'	SAVE & PROTECT	YES	31
38	RED OAK	38	GOOD	OFFSITE	SAVE & PROTECT		
39	YELLOW POPLAR	29	GOOD		REMOVE		
40	BEECH	29	FAIR	TRUNK DAMAGE @ 4'	SAVE & PROTECT	YES	1
41	RED OAK	30	GOOD		SAVE & PROTECT	YES	43
42	BEECH	30	GOOD		REMOVE	YES	37
43	YELLOW POPLAR	30	GOOD		SAVE & PROTECT	YES	40
44	BEECH	31	GOOD		SAVE & PROTECT	YES	40
45	MOCKERNUT HICKORY	24	GOOD		SAVE & PROTECT	YES	6
46	YELLOW POPLAR	36	GOOD		SAVE & PROTECT	YES	6
47	YELLOW POPLAR	25	GOOD	OFFSITE	SAVE & PROTECT		
48	BEECH	25	GOOD		SAVE & PROTECT		
49	BEECH	27	GOOD		SAVE & PROTECT		
50	BEECH	32	GOOD		SAVE & PROTECT	YES	4
51	YELLOW POPLAR	25	GOOD	OFFSITE	SAVE & PROTECT		
52	YELLOW POPLAR	25	GOOD	OFFSITE	SAVE & PROTECT		
53	YELLOW POPLAR	34	GOOD	OFFSITE	SAVE & PROTECT		
54	YELLOW POPLAR	25	GOOD	OFFSITE	SAVE & PROTECT		
55	YELLOW POPLAR	25	GOOD	OFFSITE	SAVE & PROTECT		
56	YELLOW POPLAR	29,21	GOOD	OFFSITE/SPLITS @ 4.5'	SAVE & PROTECT	YES	4
57	BEECH	28	GOOD	OFFSITE	SAVE & PROTECT		
58	BEECH	8,28	GOOD	OFFSITE	SAVE & PROTECT		
59	BEECH	34	GOOD	OFFSITE	SAVE & PROTECT		
60	BEECH	33	GOOD	OFFSITE	SAVE & PROTECT		
61	YELLOW POPLAR	39	GOOD		REMOVE		
62	YELLOW POPLAR	27	GOOD		REMOVE		
63	BEECH	26	GOOD		SAVE & PROTECT		
64	BEECH	26	GOOD		SAVE & PROTECT		
65	YELLOW POPLAR	26	GOOD		SAVE & PROTECT		
66A	YELLOW POPLAR	24	GOOD		SAVE & PROTECT		
66B	YELLOW POPLAR	26	GOOD	OFFSITE	SAVE & PROTECT		
67	YELLOW POPLAR	29	GOOD	OFFSITE	SAVE & PROTECT		
68	YELLOW POPLAR	27	GOOD	OFFSITE	SAVE & PROTECT		
69	YELLOW POPLAR	32	GOOD	OFFSITE	SAVE & PROTECT		
70	BEECH	32	GOOD	OFFSITE	SAVE & PROTECT		
71	YELLOW POPLAR	26	GOOD	OFFSITE	SAVE & PROTECT		
72	MOCKERNUT HICKORY	29	GOOD	OFFSITE	SAVE & PROTECT		
73	YELLOW POPLAR	24	POOR	BROKEN LEADER @ 35'	SAVE & PROTECT		
74	BEECH	26	GOOD	OFFSITE	SAVE & PROTECT		
75	BEECH	27	GOOD	OFFSITE	SAVE & PROTECT		
76	MOCKERNUT HICKORY	34	GOOD	OFFSITE/POTENTIAL COUNTY CHAMPION	SAVE & PROTECT		
77	BEECH	30	GOOD	OFFSITE	SAVE & PROTECT		
78	RED MAPLE	26	GOOD	OFFSITE	SAVE & PROTECT		
79	MOCKERNUT HICKORY	31	GOOD	OFFSITE	SAVE & PROTECT		
80	WHITE OAK	26	POOR	CO-OWNED/LEANING/CONKS	SAVE & PROTECT		
81	YELLOW POPLAR	32	GOOD		SAVE & PROTECT		
82	BEECH	27	GOOD		SAVE & PROTECT		
83	YELLOW POPLAR	36	GOOD		SAVE & PROTECT		
84	YELLOW POPLAR	27	GOOD		SAVE & PROTECT		
85	BEECH	24	GOOD		SAVE & PROTECT		
86	BEECH	25	GOOD		SAVE & PROTECT		
87	YELLOW POPLAR	29	POOR		REMOVE		
88	YELLOW POPLAR	33	GOOD	DEAD BRANCHES	SAVE & PROTECT		
89	BEECH	40	GOOD	OFFSITE	SAVE & PROTECT	YES	2
90	BEECH	29	GOOD	OFFSITE	SAVE & PROTECT		
91	YELLOW POPLAR	30	POOR	SPLITS @ 5'/HEARTROT	SAVE & PROTECT	YES	6
92	BEECH	34	GOOD		SAVE & PROTECT		
93	YELLOW POPLAR	34	GOOD	CO-OWNED	SAVE & PROTECT		
94	YELLOW POPLAR	26	GOOD	CO-OWNED	SAVE & PROTECT	YES	19
95	YELLOW POPLAR	31	GOOD		SAVE & PROTECT	YES	100
96	MOCKERNUT HICKORY	26	GOOD		REMOVE		
97	YELLOW POPLAR	27	POOR	CROWN DAMAGE	REMOVE		
98	YELLOW POPLAR	24	GOOD	OFFSITE	SAVE & PROTECT		
99	YELLOW POPLAR	24	GOOD	OFFSITE	SAVE & PROTECT		
100	BEECH	31	GOOD		REMOVE	YES	100
101	YELLOW POPLAR	24	GOOD	OFFSITE	SAVE & PROTECT	YES	22
102	RED OAK	30	GOOD	OFFSITE	SAVE & PROTECT		
103	YELLOW POPLAR	24	GOOD	OFFSITE	REMOVE WOVNER PERMISSION		
104	SILVER MAPLE	24	GOOD	CO-OWNED	REMOVE	YES	54
105	SILVER MAPLE	34	GOOD		REMOVE		
106	RED MAPLE	26	GOOD	OFFSITE	REMOVE WOVNER PERMISSION		
107	BEECH	26	GOOD	OFFSITE	REMOVE WOVNER PERMISSION		
108	YELLOW POPLAR	24	GOOD	OFFSITE	SAVE & PROTECT		
109	YELLOW POPLAR	24	GOOD	OFFSITE	SAVE & PROTECT		
110	RED OAK	27	GOOD		REMOVE		
111	YELLOW POPLAR	26	GOOD		REMOVE		
112	RED OAK	31	GOOD		REMOVE	YES	100

PROPOSED REFORESTATION PLANT SCHEDULE

AREA 1 0.04 AC	AREA 2 0.09 AC	AREA 3 0.03 AC	AREA 4 0.01 AC	AREA 5 0.04 AC	TOTAL 0.21 AC	BOTANICAL NAME	COMMON NAME	SIZE	UNIT/ROOT	SPACING	FORM
1	2	1	-	1	5	ACER RUBRUM	RED MAPLE	2" CAL	B&B	RANDOMLY 21" O.C.	TREE
1	2	-	-	1	4	QUERCUS PRINUS	CHESTNUT OAK	2" CAL	B&B	RANDOMLY 21" O.C.	TREE
1	1	-	-	1	3	HAMMAMELIS VIRGINIANA	WITCH HAZEL	24" HEIGHT	CONT.	RANDOMLY 33" O.C.	SHRUB
1	2	-	-	1	4	CARYA TOMENTOSA	MOCKERNUT HICKORY	2" CAL	B&B	RANDOMLY 21" O.C.	TREE
1	1	-	1	-	3	LINDERA BENZOIN	SPICEBUSH	12" HEIGHT	CONT.	RANDOMLY 33" O.C.	SHRUB
-	1	1	-	1	3	AMELANCHIER CANADENSIS	SERVICEBERRY	18" HEIGHT	CONT.	RANDOMLY 33" O.C.	SHRUB
1	1	1	-	-	3	LIRIODENDRON TULIPIFERA	TULIP POPLAR	2" CAL	B&B	RANDOMLY 21" O.C.	TREE
-	2	1	1	1	5	NYSSA SYLVATICA	BLACK GUM	2" CAL	B&B	RANDOMLY 21" O.C.	TREE
4 LBS	8 LBS	3 LBS	1 LBS	4 LBS	20 LBS	-	SYLVA FIELD AND FOREST MIX OR EARNSH NATIVE UPLAND WILDOE FORAGE AND COVER SLOW MIX EQUIVALENT	SEED	SEED	80 LBS. ACRE	SEED
2 LBS	4 LBS	1 LBS	1 LBS	2 LBS	10 LBS	-	COMPANION SEED MIX OF 50% ANNUAL RYE GRASS 25% REDTOP GRASS 25% SHEEP FESCUE	SEED	SEED	8 LBS. PER 10,000 SF	SEED

NOTE: A MINIMUM OF 100% SURVIVAL AFTER 2 YEARS OF GROWING SEASON IS REQUIRED FOR ALL REFORESTATION AREAS SHOWN. STABILIZE DISTURBED OR BARE AREAS WITH NATIVE UPLAND MIX INDICATED AND COMPANION SEED MIX. TREES ARE TO BE PROTECTED WITH INDIVIDUAL TREES SHELTERS PER DETAIL ON SHEET C-703 OR APPROVED EQUAL.

SITE TABULATIONS:

DESCRIPTION	AMOUNT	NET TRACT AREA	AMOUNT
ACREAGE OF TRACT:	8.98	NET TRACT AREA:	8.98
ACREAGE OF TRACT REMAINING IN AGRICULTURE:	0	A. Total tract area ...	8.98 *
ACREAGE OF ROAD AND UTILITY R/W WHICH WILL NOT BE IMPROVED AS PART OF DEV. APPLICATION:	0	B. Land dedication acres (roads, county facility, etc.) ...	0.00
ACREAGE OF EX. FOREST:	2.13	C. Land dedication for parks or utilities (not being constructed by this plan) ...	0.00
ACREAGE OF TOTAL FOREST RETENTION:	1.76	D. Area to remain in commercial agricultural production/use ...	0.00
ACREAGE OF TOTAL FOREST CLEARED:	0.37	E. Other deductions (specify) ...	0.00
LAND USE CATEGORY:	IDA	F. Net Tract Area ...	8.98
AFFORESTATION THRESHOLD	1.35		
CONSERVATION THRESHOLD	1.80		
ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITHIN WETLANDS	0.03/0.00/0.00		
ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITHIN 100-YEAR FLOODPLAIN	0.15/0.00/0.01		
ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITHIN STREAM BUFFERS	0.44/0.03/0.01		
ACREAGE OF FOREST RETAINED, CLEARED, AND PLANTED WITH PRIORITY AREAS	0.44/0.03/0.01		
LINEAR EXTENT & AVERAGE WIDTH OF STREAM BUFFER	0/150		
TOTAL DBH INCHES OF SPECIMEN TREES REMOVED	241		
X 0.25 = REQUIRED CALIPER INCHES MITIGATION	60.25		
TOTAL CALIPER INCHES OF SPECIMEN TREE MITIGATION	63		

PROPOSED SPECIMEN TREE MITIGATION PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	FORM	SPACING	QUANTITY
QP	QUERCUS PHellos	WILLOW OAK	3" CAL	B&B	SHOWN	15
BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	3" CAL SINGLE STEM	B&B	SHOWN	6

*** TREES ARE TO BE GUARANTEED FOR TWO YEARS

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared ...	0.37
O. Total area of forest to be retained ...	1.76

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold ...	0.08
Q. Reforestation for clearing below conservation threshold ...	0.08
R. Credit for retention above conservation threshold ...	0.00
S. Total reforestation required ...	0.16
T. Total afforestation required ...	0.00
U. Credit for landscaping (may not exceed 20% of 'S') ...	0.00
V. Total reforestation and afforestation required ...	0.16 ***

8.83 ACRES OF PROPERTY AREA
+
0.15 ACRES OF OFFSITE LOD AREA
=
* 8.98 ACRES OF TOTAL TRACT AREA
+
2.00 ACRES OF EXISTING FOREST ONSITE
+
0.13 ACRES OF PREVIOUSLY APPROVED FCE OUTSIDE OF EXISTING FOREST
=
** 2.13 ACRES TOTAL FOREST AREA ONSITE
*** 0.16 ACRES OF REFORESTATION REQUIRED
-
0.16 ACRES REFORESTATION PROPOSED ONSITE
=
0.00 ACRES ADDITIONAL REFORESTATION REQUIRED

CERTIFICATION OF QUALIFIED PROFESSIONAL

I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MONTGOMERY COUNTY FOREST CONSERVATION LAWS.

DATE: _____
MICHAEL A. NORTON
MONTGOMERY COUNTY REGISTERED PROFESSIONAL FOREST CONSERVATION PLANNING

DEVELOPER'S CERTIFICATE

The undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. MS2208502, including, financial bonding, forest planning, maintenance, and all other applicable agreements.

Developer's Name: MONTGOMERY COUNTY PUBLIC SCHOOLS
Contact Person or Owner: MR. R. CRAIG SHUMAN, DIRECTOR, DIVISION OF CONSTRUCTION, MCPS
Address: 2096 GATHER ROAD, ROCKVILLE, MD 20854
Phone and Email: 240-314-1000, r_craig_shuman@mcpsmd.org
Signature: _____

Norton Land Design
Landscape Architecture + Environmental Planning
811 Russell Avenue, Suite 301
P.O. Box 216860, Silver Spring, MD 20916
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Fax 703.903.9755

17720 Belleville Drive
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