KOL SHALOM

(PROPOSED) LOT 17, BLOCK, A, IVY WOODS
CITY OF ROCKVILLE, MARYLAND
PROJECT/CONCEPT DEVELOPMENT PLAN
CITY REF:

DESIGN TEAM:

OWNER:
Kol Shalom
10301 Grosvenor Place #16
Rockville, MD 20852
Phone: 240-301-493-8198

DEVELOPER:
Kol Shalom
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Rockville, MD 20852
Phone: 240-301-493-8198

ARCHITECT:
Shinbert-Levinas
4733 Bethesda Avenue
Bethesda, MD 20814
Phone: 301-652-8550

CIVIL ENGINEER:
Macris, Hendricks & Glascock, P.A.
9220 Wightman Road, Suite 120
Montgomery Village, MD 20886
Phone: 301-670-0840

LANDSCAPE ARCHITECT:
Macris, Hendricks & Glascock, P.A.
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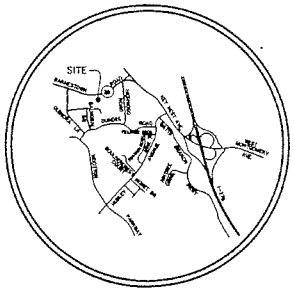
Montgomery Village, MD 20886
Phone: 301-670-0840



VICINITY MAP
SCALE 1" = 2,000'

SITE DATA

SUBJECT PROPERTY:	LOT 17 IVY WOODS, (PROPOSED)
GROSS LOT AREA:	200,904 S.F. or 4.612 AC
DEDICATION:	13,267 S.F. or 0.425 AC
NET LOT AREA:	187,637 S.F. or 4.307 AC
ZONING CLASSIFICATION:	R-90
PROPERTY ADDRESS:	9110 DARNESTOWN ROAD, ROCKVILLE, MARYLAND
PROPOSED USE:	PLACE OF WORSHIP SCHOOL OFFICE SOCIAL HALL

DEVELOPMENT STANDARDS (25.18.03)

	REQUIRED/ALLOWED	PROPOSED
NET TRACT AREA	9,000 S.F.	187,637 S.F. or 4.307 AC
LOT WIDTH	60'	
BUILDING SETBACK REQUIREMENTS		
FRONT (ADJACENT TO PUBLIC R/W)	30'	30'
SIDE (NOT R/W)	12'	84'
REAR	25'	54'
BUILDING HEIGHT	35'	28' (1)
BUILDING LOT COVERAGE	25% or 46,409 S.F.	30,382 S.F. (1)
BUILDING AREA	NONE SPECIFIED	33,800 S.F. (1)
IMPERVIOUS AREA TOTAL	NA INSTITUTIONAL	
PUBLIC USE SPACE (25.17.01)		
PARKING/LANDSCAPE SETBACK REQUIREMENTS		
ADJACENT TO PUBLIC R/W	10'	10'
SIDE	5'	5'
REAR	10'	25'
OFF STREET PARKING AND LOADING		
PARKING LOT AREA		
PARKING LOT GREEN AREA	5%	
PARKING SPACES (25.18.03) PLACE OF WORSHIP (33,800 S.F.)	1/300 S.F. = 113	105 SPACES (2)

NOTES:
1. INFORMATION PROVIDED BY PROJECT ARCHITECT
2. A PARKING REDUCTION WAIVER OF 8 SPACES REQUIRED

Legend

EXISTING		PROPOSED
	Paving	
	Curb & Gutter	
	Sign	
	Utility Pole	
	Lamp Post	
	Post or Bollard	
	Tree	
EX. --- KV ELEC.	Electric	ELEC.
	Overhead Wires	
EX. 8" SEW	Sanitary Sewer	8" SEWER
EX. 15" S/D	Storm Drain	15" RCP
EX. 6" WAT	Water Line	3" WATER
	Fire Hydrant	
EX. 6" HP GAS	Gas	4" GAS
EX. TELE	Telephone	TELE
	Buildings	
	Concrete	
	Spot Elevation	75.5+
72	Contour	74

NOTES:

1. THIS PROJECT PLAN IS NOT TO BE USED FOR CONSTRUCTION.
2. THE TOPOGRAPHY IS FROM AN AERIAL SURVEY SUPPLEMENTED WITH AVAILABLE UTILITY RECORDS. THE BOUNDARY IS FROM DEEDS AND PLATS OF RECORD.
3. THE BOUNDARY AND TOPOGRAPHY INFORMATION WAS PREPARED BY MACRIS, HENDRICKS & GLASCOCK, P.A.
4. A SUBDIVISION OF THE PROPERTIES SHOWN IS REQUIRED TO CREATE LOT-17, IVY WOODS.
5. AN ASSOCIATED NRI/FSD HAS BEEN APPROVED FOR THIS SITE. RE: #2008-0005
6. AN ASSOCIATED FCP HAS BEEN SUBMITTED. RE: #
7. AN ASSOCIATED SWM CONCEPT HAS BEEN APPROVED FOR THIS SITE. RE: # SWP-2006-00003.

SHEET INDEX

SP-1 Project/Concept Development Plan – Cover Sheet (1 of 2)
SP-2 Project/Concept Development Plan (2 of 2)

LS-1 Landscape Plan (1 of 2)
LS-2 Landscape Plan (2 of 2)

FCP-1 Landscape & Forest Conservation Plan (1 of 4)
FCP-2 Landscape & Forest Conservation Plan (2 of 4)
FCP-3 Landscape & Forest Conservation Plan (3 of 4)
FCP-4 Landscape & Forest Conservation Plan (4 of 4)

Stormwater Management Concept Plan

Approved NRI/FSD (1 of 2)
Approved NRI/FSD (2 of 2)

STATE OF MARYLAND — REGISTERED PROFESSIONAL ENGINEER

Professional Certification:

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. 14979, Expiration Date: 7-02-10

Scott D. Roser

REVISIONS		
NO.	DATE	DESCRIPTION

SP-1

TAX MAP FR 563 — CITY MAP C-1

PROJECT/CONCEPT DEVELOPMENT PLAN – COVER SHEET

KOL SHALOM

LOT-17, BLOCK A, IVY WOODS (PROPOSED)

4TH ED CITY OF ROCKVILLE – MONTGOMERY COUNTY – MARYLAND

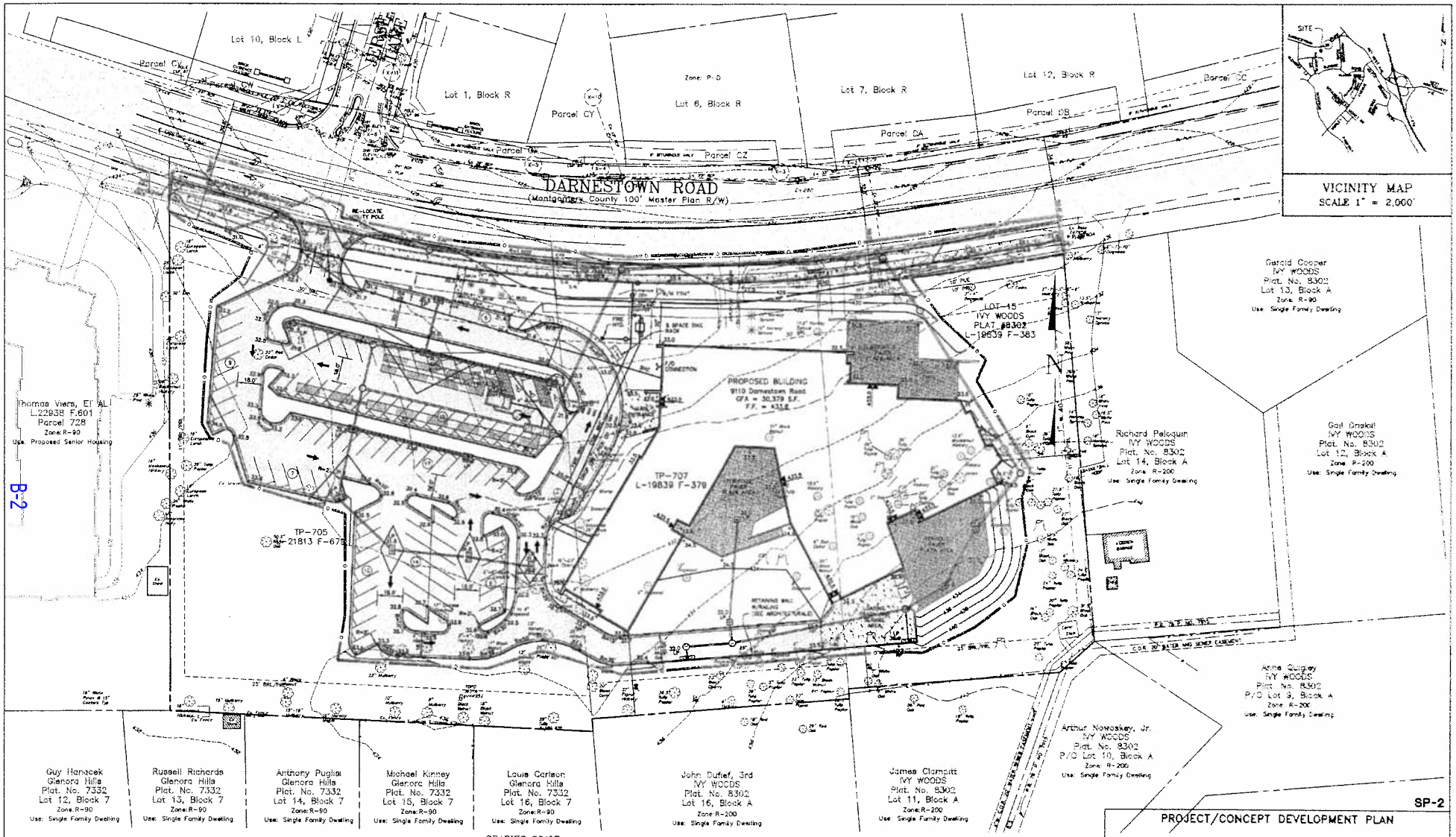
MHG Macris, Hendricks & Glascock, P.A.
Engineers • Planners
Landscape Architects • Surveyors
9220 Wightman Road, Suite 120
Montgomery Village, Maryland
20886-1279
Phone 301.670.0840
Fax 301.948.0693
www.mhgpa.com

Proj. Mgr. MDF	Designer MDF
Date 5-27-08	Scale NONE
Project No. 00-070-51	Sheet 1 of 2

I:\00070\dwg\CV_51_01.dwg, 24x36, CITY SITE PLAN - COVER, 5/27/2008 1:54:39 PM, Copyright 2008 Macris, Hendricks & Glascock, P.A.

B-1

Attach B



FOR LOCATIONS OF CITY WATER AND SEWER CALL "CITY UTILITIES SUPERINTENDENT" AT 240-314-8567. FOR LOCATIONS OF OTHER UTILITIES CALL "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION

STATE OF MARYLAND
SCOTT DAVIS ROSER
No. 14979
REGISTERED PROFESSIONAL ENGINEER

Professional Certification:

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. 14979, Expiration Date: 7-02-10

Scott D. Roser

REVISIONS		
NO.	DATE	DESCRIPTION

SP-2

PROJECT/CONCEPT DEVELOPMENT PLAN

KOL SHALOM

LOT-17, BLOCK A, IVY WOODS (PROPOSED)

4TH ED CITY OF ROCKVILLE - MONTGOMERY COUNTY - MARYLAND

MHG

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Engineers • Planners
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www.mhgpa.com

Proj. Mgr.	Designer
MDP	MDP
Date	Scale
5-27-09	1" = 30'
Project No.	Sheet
00-070-S1	2 of 2

H:\00070\dwg\SP_S1_01.dwg 24x36 CITY SITE PLAN 6/22/2009 1:55:07 PM Copyright 2009 Macris, Hendricks, & Glascock P.A.

B-2

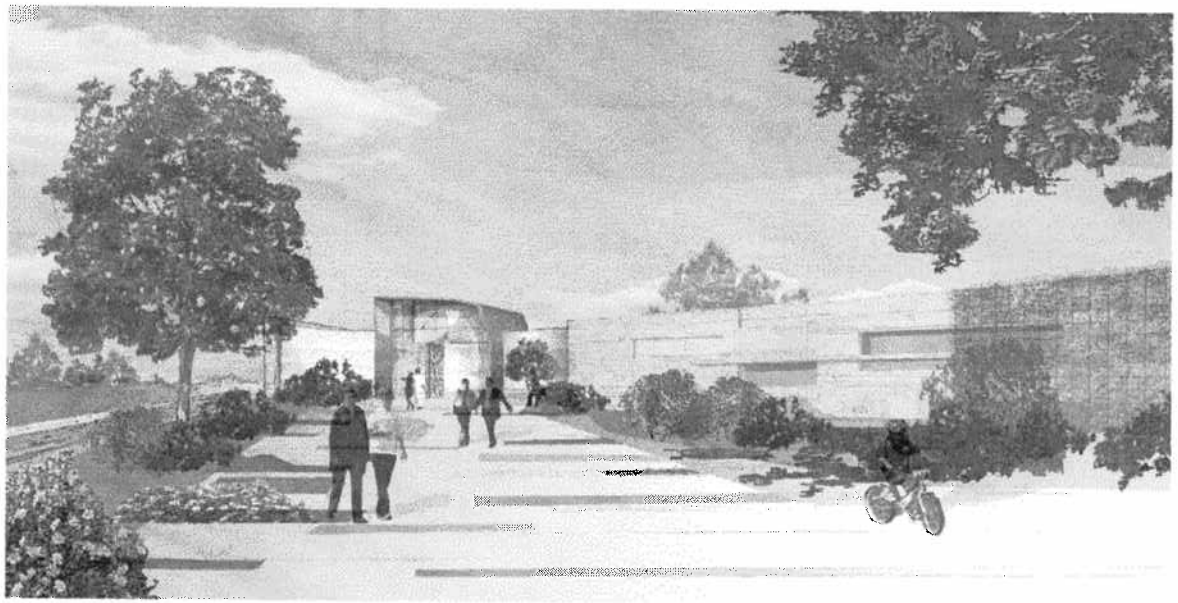
Attach B

K O L S H A L O M

Rockville, Maryland

Site Plan Submission

1 June 2009



DRAWING LIST

CIVIL DRAWINGS

SITE PLAN
LANDSCAPE & FINAL FOREST CONSERVATION PLAN - SHEET 1
LANDSCAPE & FINAL FOREST CONSERVATION PLAN - SHEET 2
LANDSCAPE & FINAL FOREST CONSERVATION PLAN - SHEET 3
LANDSCAPE & FINAL FOREST CONSERVATION PLAN - SHEET 4
STORMWATER MANAGEMENT CONCEPT PLAN
APPROVED NATURAL RESOURCES INVENTORY/FOREST STAND DELINEATION PLAN

ARCHITECTURAL DRAWINGS

A0.1	COVER
A1.0	SITE PLAN
A1.1	FIRST FLOOR PLAN
A1.3	BASEMENT PLAN
A1.4	ROOF PLAN
A3.0	ELEVATIONS
A3.1	ELEVATIONS

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Owner's representative	Bieke Real Estate Inc. 1150 Connecticut Avenue, NW Suite 801 Washington, D.C. 20036 202.778.0400 tel 202.223.9635 fax

Issue Date

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Rockville, MD

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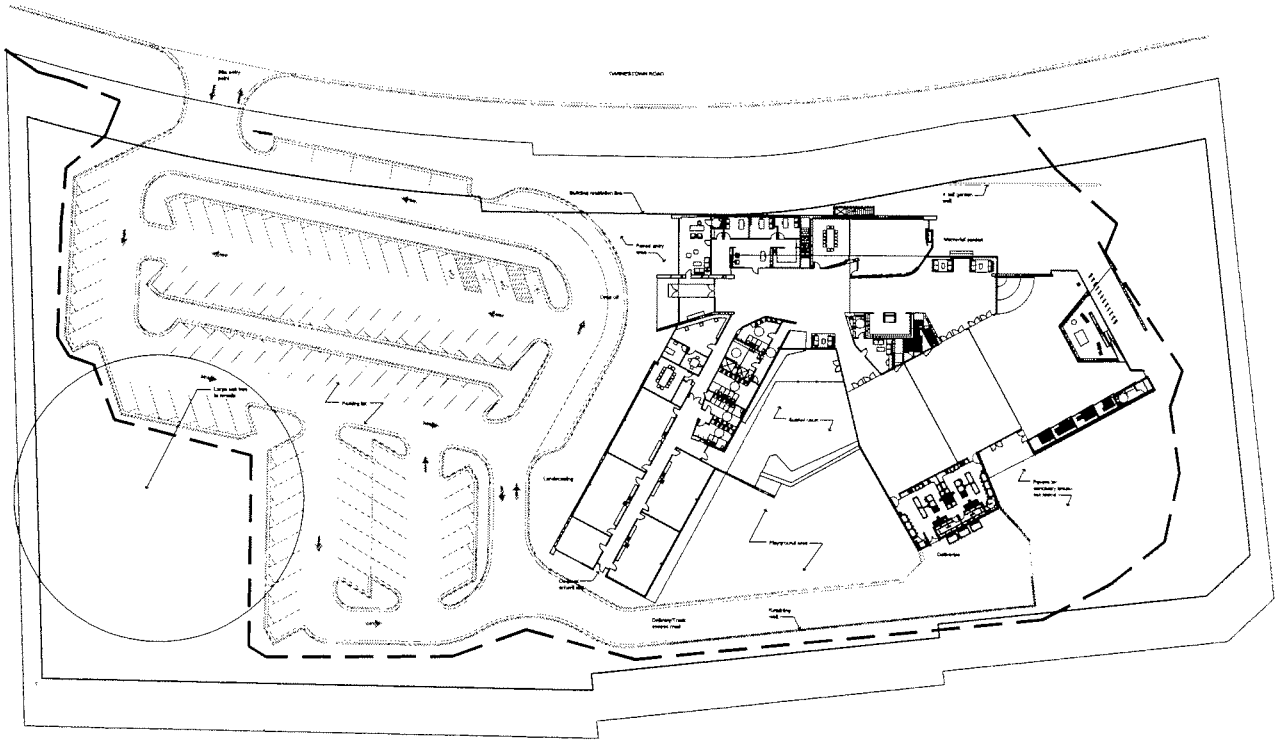
A0.1

COVER



1 SITE PLAN
1" = 30'-0"

shinberg.levinas

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Owner's representative	Blake Real Estate Inc. 1150 Connecticut Avenue, NW Suite 901 Washington, D.C. 20036 202.778.0400 tel 202.223.8636 fax

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Rockville, MD

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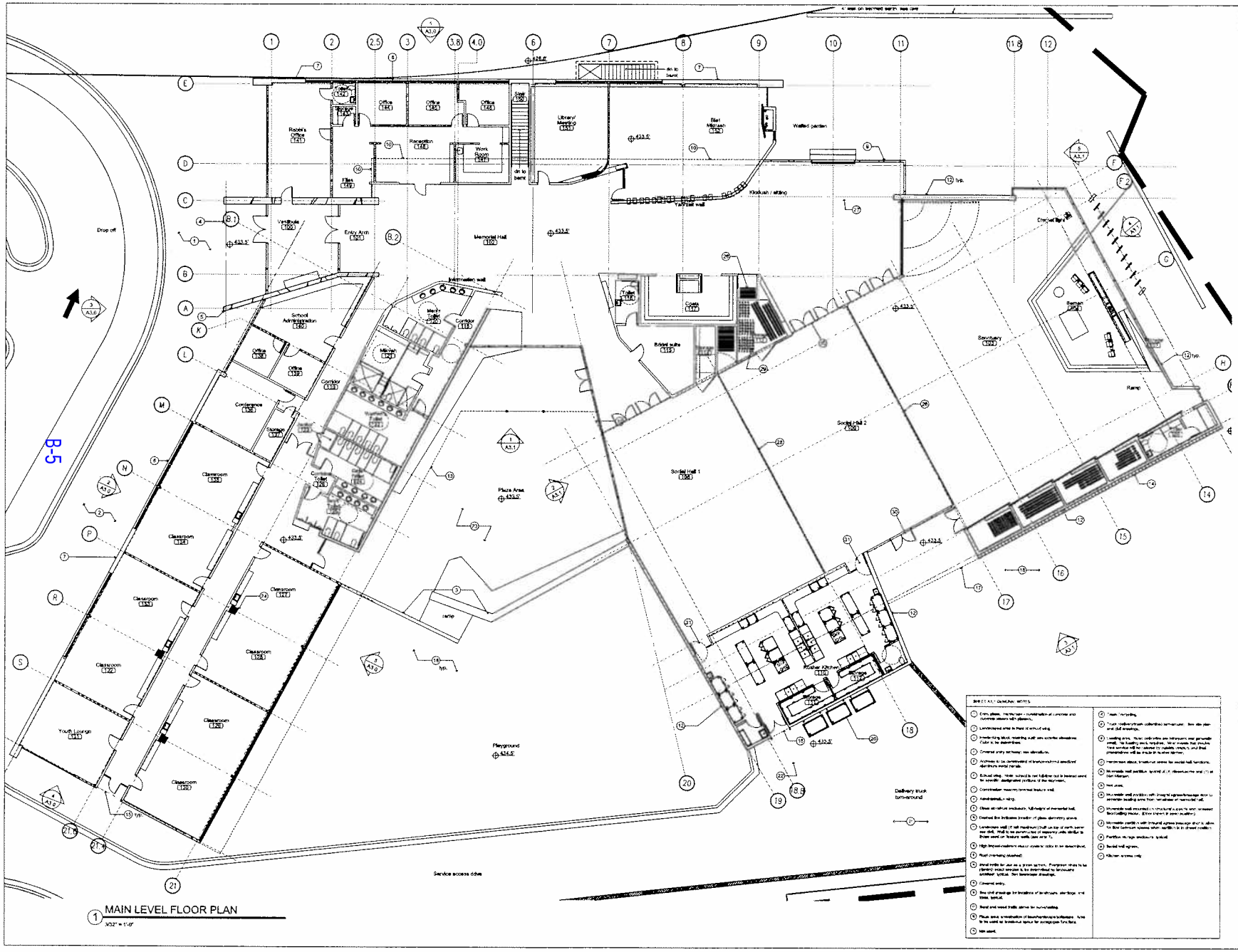
A1.0
SITE PLAN



1 MAIN LEVEL FLOOR PLAN
3/32" = 1'-0"

SHINBERG.LEVINAS

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Owner's representative	Blake Real Estate Inc. 1150 Connecticut Avenue, NW Suite 801 Washington, D.C. 20036 202.778.5400 tel 202.223.9636 fax

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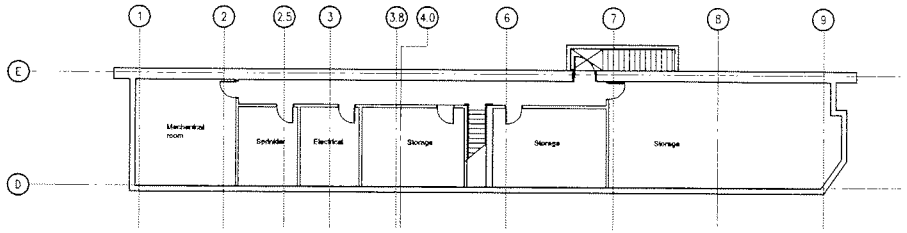
A1.1
FLOOR PLAN

Attach B

B-5



1 BASEMENT PLAN
3/32" = 1'-0"

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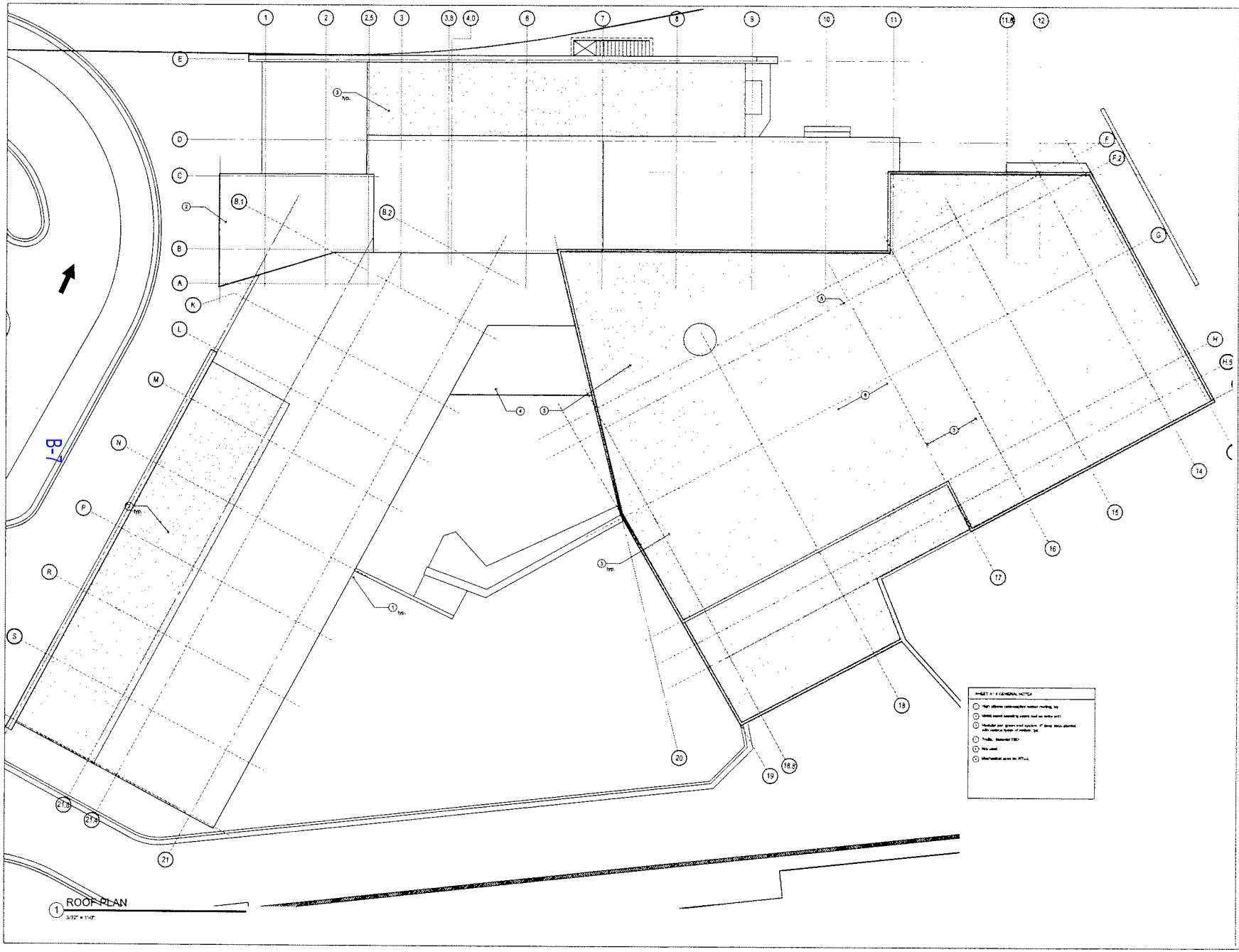
A1.3
BASEMENT PLAN



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Rockville, MD

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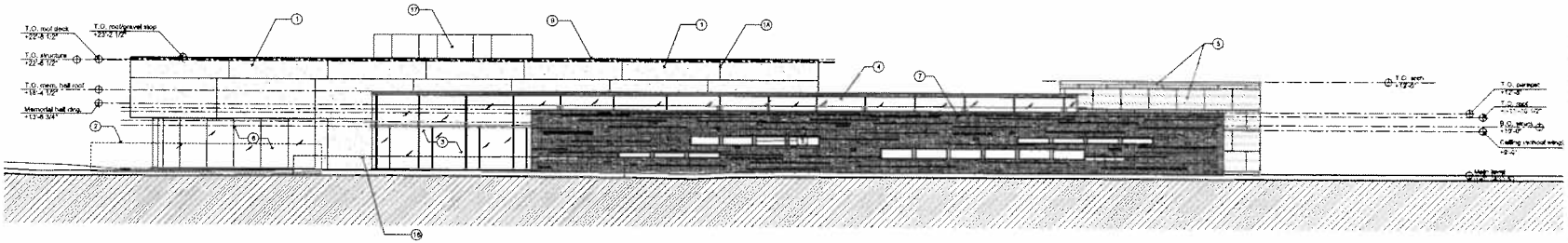
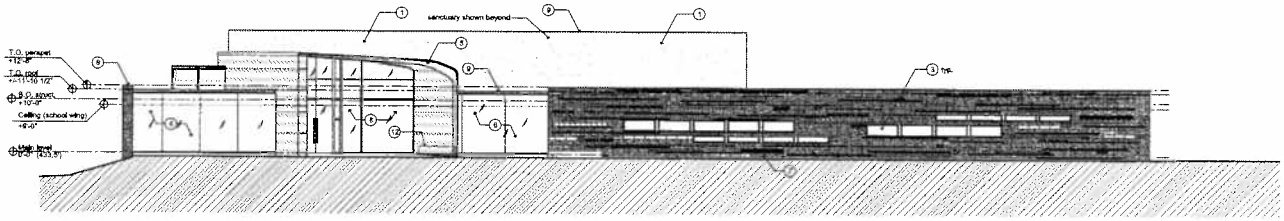
A1.4

ROOF PLAN

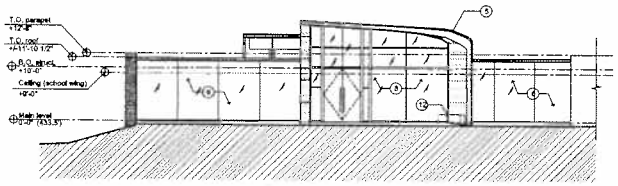
Attach B



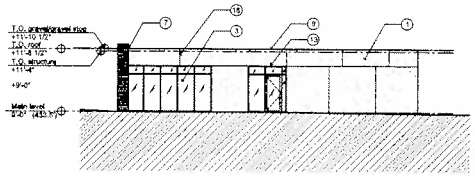
1 NORTH ELEVATION
3/32" = 1'-0"



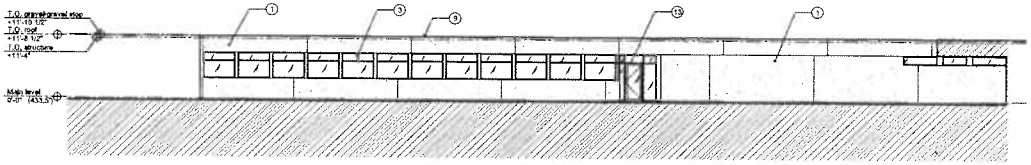
2 WEST ELEVATION
3/32" = 1'-0"



3 PARTIAL WEST ELEVATION
3/32" = 1'-0"



4 SOUTH ELEVATION - SCHOOL WING
3/32" = 1'-0"



5 EAST ELEVATION - SCHOOL WING
3/32" = 1'-0"

SHEET A-1.0 GENERAL NOTES

1. Stucco system with integral weep and building paper on plywood substrate.
2. Steel trellis for growing evergreen vines. "Green screen". Green screens will be structurally independent of main building structure.
3. Storefront system - typical of all windows openings.
4. Memorial hall (sanctuary) constructed in storefront components - typical.
5. Metal-clad main entry doors w/ overhang to protection from weather.
6. Standard system with sub-glazing detail.
7. Masonry veneer with combination of different precast sizes and textures w/ accent brick and accent precast relief panels.
8. Custom stained glass entry with coordinate structural components to match other building openings.
9. Metal coping/gravel stop.
10. Interlocking block CMU and (see sheet A2.1).
11. Not used.
12. Bench.
13. School wing connect entry.
14. Steel and wood trellis.
15. Kitchen/service entry.
16. 4' tall masonry landscape/screen wall.
17. Roof top mechanical units.
18. Stucco reveal line.

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MEP Engineers	Capitol Engineering Group, L.L.C. 1522 K Street, NW Suite 875 Washington, D.C. 20005 202.216.2037 tel 202.216.0061 fax
Owner's representative	Baker Real Estate Inc. 1150 Connecticut Avenue, NW Suite 801 Washington, D.C. 20036 202.778.0400 tel 202.223.9436 fax

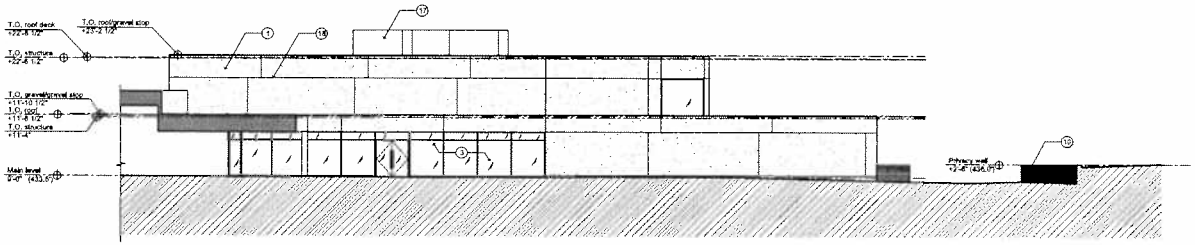
Issue Date

02-23-09	Pre-application package
06-01-09	Site plan submission package

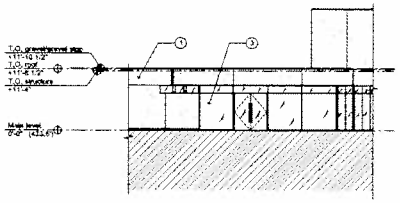
Kol Shalom Synagogue
Rockville, MD

Site Plan Submission

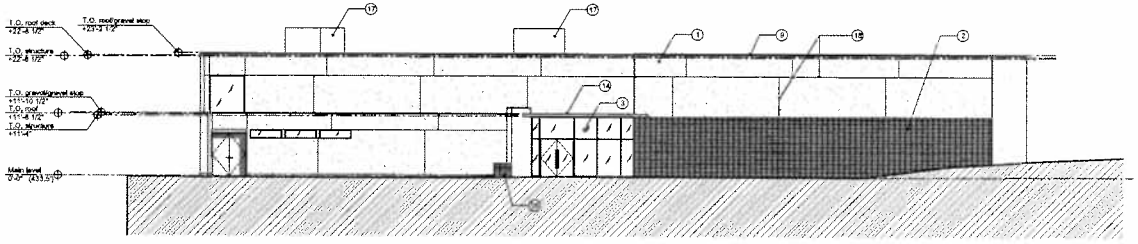
A3.0
ELEVATIONS



2 WEST ELEVATION - SOCIAL HALL
3/32" = 1'-0"



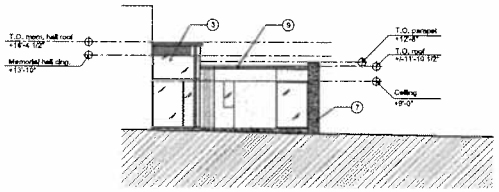
1 SOUTH ELEVATION - MEMORIAL HALL
3/32" = 1'-0"



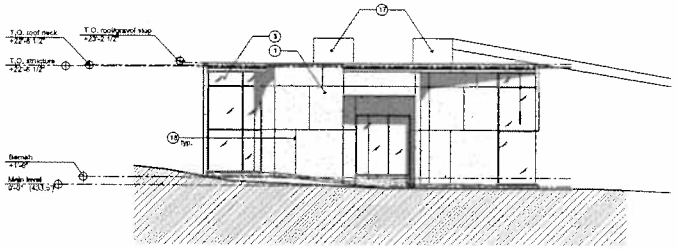
3 SOUTH ELEVATION - SOCIAL HALL/SANCTUARY
3/32" = 1'-0"

SHEET A3.1 GENERAL NOTES

1. Stucco system with integral weeps and building paper on plywood substrate.
2. Steel trellis for growing evergreen vines; "green screen". Green screens will be structurally independent of main building structure.
3. Storefront system, typical of all window openings.
4. Memorial hall clerestory construction of storefront components, typical.
5. Metal-clad main entry piece w/ overhang for protection from weather.
6. Storefront system with back-glazing detail.
7. Masonry veneer wall; combination of different precast stone and textures w/ accent brick and accent precast relief panels.
8. Custom polished glass entry with storefront structural components to match other building openings.
9. Metal coping/gravel stop.
10. Interlocking block CMU wall (see sheet A3.1).
11. Not used.
12. Bench.
13. School wing covered entry.
14. Steel and wood trellis.
15. Kitchen/service entry.
16. 4' tall masonry hardscape/garden wall.
17. Roof top mechanical units.
18. Stucco reveal line.



5 EAST ELEVATION - CHAPEL
3/32" = 1'-0"



4 EAST ELEVATION - SANCTUARY
3/32" = 1'-0"

shinberg.levinas

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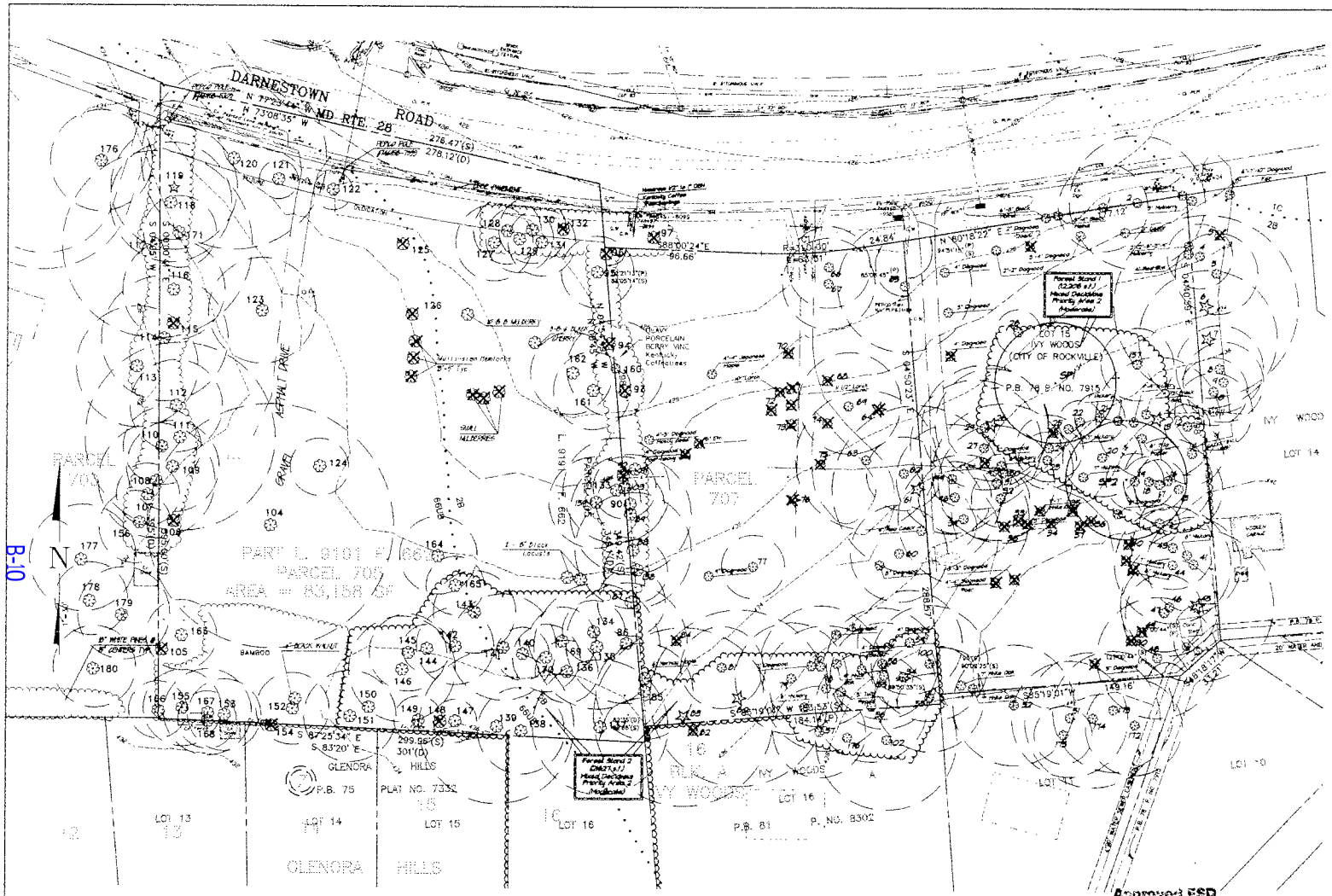
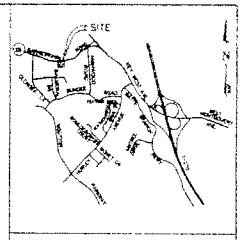
Issue	Date
Pre-application package	02-23-09
Site plan submission package	06-01-09

Kol Shalom Synagogue
Rockville, MD

Site Plan Submission

A3.1
ELEVATIONS





VICINITY MAP
SCALE 1" = 2,000'

SITE NARRATIVE

Introduction: The 4.818-acre site is located at 8104, 8110, and 8150 Darnestown Road in Rockville, Maryland. The site is zoned R-200. Single family dwellings occupied all three addresses but were removed. The plan is an update to previously approved HPP's. None of the structures were listed on historic sites by the M-NCPPC in the "Master Plan for Historic Preservation" or on the City of Rockville "Map of Rockville Historic Districts and Historic Register Properties". The site is bordered by Darnestown Road to the north, Parcel 705 to the west, and single family residential lots of the Ivy Woods Subdivision to the south and east.

Geology/Soils: This portion of Maryland's Piedmont Plateau physiographic province is typically underlain by metamorphosed rock characterized by schist of Precambrian Age with frequent intrusions of quartz. Several small outcrops of milky quartz (1'x 2') (picked and imported) were observed on Lot 15, Block A and the north portion of the dwelling on Parcel 707 was constructed out of milky quartz rock of local origin. The site is mapped in the Soil Survey as Glenelg silt loam (Mapping Unit 2B) and Westphalia-Urban land complex (Mapping Unit 66UB). Neither soil type significant limitations for building construction. While no massive rock outcrops were observed, it appears likely that another quartz rock form "bowling ball" size to "beach ball" size will be encountered during excavation on-site. Slopes on-site generally range from 3.5% to 7%. There are no steep slopes and no MGS probable paths present on-site. Elevations on-site range between 425 feet above mean sea level and 440 feet with north facing slopes.

Hydrology: The site drains to two north bound located off-site along the Darnestown Road frontage. Runoff entering these inlets is piped to the northern side of Darnestown Road where it outlets to an unnamed tributary of Watts Branch. There are no streams, seeps, springs, or wetlands, or stream valley buffers on-site. The State of Maryland has designated the Watts Branch Watershed as Class I-P Waters.

Ecology: Forest cover comprises 3.635 square feet (0.777 ac). This is broken down into two forest stands. Mixed deciduous Uses of varying age populate the forest areas. Black Oak (Quercus velutina) and Tulip Poplar (Liriodendron tulipifera) dominate the canopy. Mulberry and White Mulberry are also prominent in Stand 2. Hickory (Carya sp.), White Oak (Quercus alba), and Black Gum (Nyssa sylvatica), and Dogwood (Cornus florida) are present mostly as understory trees. Understory vegetation is moderately high in the shrub layer and includes Wild Raspberry (Rubus phoenicolasius), privet (Ligustrum sp.), Oriental Bittersweet (Celastrus orbiculatus), Buckthorn Rose (Rosa cathartica), Bush Honeysuckle (Lonicera maackii), and mulberry (Morus sp.). Density of invasive exotic flora is highest along the northern edge of the small wooded area with privet forming a dense hedge. Native plantings of Serviceberry (Sassafras albidum), Black Cherry (Prunus serotina), Red Cedar (Juniperus virginiana), and Tulip Poplar are also present in the shrub strata. Herbaceous flora is dominated by Virginia Creeper (Parthenocissus quinquefolia), Poison Ivy (Toxicodendron radicans), Grecian Bellflower, Enchanter's Nightshade (Circaea lutetiana), Japanese Honeysuckle (Lonicera japonica), and various tree saplings. Bloodroot (Sanguinaria canadensis) is often present in portions of the herbaceous layer.

The Stands are a whole have a low to moderate priority for retention, with the individual specimen trees receiving a high priority consideration for retention according to guidelines for prioritization.

Although there are approximately 30 or more Kentucky Coffee Tree saplings (1/2" to 1" DBH) located on-site, these saplings are not located in forest area. They appear to be offspring of a former large tree that is now only a stump located within the Darnestown Road Right of Way. This species (Gymnocladus dioicus) is listed as "Highly Rare" according to "Rare, Threatened, & Endangered Plants of Maryland" published in January 1991 by the Maryland Department of Natural Resources – Natural Heritage Program. No other rare, threatened, or endangered species were observed on-site.

Approved FSD
City of Rockville
FSD # 2007-00002
Authorized Signature 12/4/08 Date
Page 1 of 2

TAX MAP FR563 WSSC 218 NW 02

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION
PARCELS 705, 707 and LOT 15, BLOCK A

KOL SHALOM

L. 14991 F. 597 & P.B. 78 P. NO. 7915
CITY OF ROCKVILLE
4TH ELECTION DISTRICT – MONTGOMERY COUNTY – MARYLAND

MHG
Macris, Hendricks & Glascock, P.A.
Engineers • Planners
Landscape Architects • Surveyors
9220 Wightman Road, Suite 120
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20886-1279
Phone 301.670.0840
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Proj. Mgr. MDP	Designer FCJ
Date 11-07-08	Scale 1"=30'
Project No. 00.070.51	Sheet 1 of 2

SOIL KEY

1C – Gelio silt loam, (Hydrologic Soil Group B), 8 to 15% slopes
2B – Glenelg silt loam, (Hydrologic Soil Group B), 3 to 8% slopes
66UB – Westphalia – Urban land complex, (Hydrologic Soil Group B), 0 to 8% slopes

Key
Tree
Specimen Tree
Tree/Specimen Tree fallen or removed
Forest Boundary
Tree Cover/Bamboo
Forest Sample Area (1/10 Ac.)
Soil Boundary
Critical Root Zone

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.
(IN METERS)
1 inch = 9.14 m

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION VERIFICATION

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF EXISTING STATE AND CITY FOREST CONSERVATION LEGISLATION.

12/03/08
DATE

PRINCIPAL OF FIRM
RECOGNIZED AS QUALIFIED PROFESSIONAL BY MD. DEPT. OF NATURAL RESOURCES

Attach B

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TREE #	COMMON NAME	SPECIES	HEIGHT (FEET)	CRITICAL ROOT ZONE (SF)	TREE COND	POTENTIAL TREE COND	EXISTS	TREE STATUS	# REPLACEMENT TREES
1.	Northern Hickory	Carya cordiformis	19'	2,552	91%				
2.	RED OAK	Quercus palustris	24"	2,945	94%				
3.	NORWAY SPRUCE	Picea abies	15.5"	0	Removed			Off site	
4.	SASSAFRAS	Sassafras albidum	15.5"	1,288	Dead			Off site	
5.	NORWAY SPRUCE	Picea abies	18"	2,290	93%			Off-site	
6.	White Pine	Pinus strobus	40"	13,254	84%			Off-site	
7.	White Pine	Pinus strobus	29"	5,645	91%			Off site	
8.	White Pine	Pinus strobus	30"	2,545	93%			Off-site	
9.	White Pine	Pinus strobus	27"	2,043	91%			Off-site	
10.	NORWAY SPRUCE	Picea abies	19"	1,256	97%			Off-site	
11.	NORWAY SPRUCE	Picea abies	20"	2,243	94%			Off-site	
12.	RED MAPLE	Acer rubrum	34"	1,385	76%				
13.	Tulip Poplar	Liriodendron tulipifera	42"	15,494	94%				
14.	Black Oak	Quercus velutina	39.5"	2,459	92%				
15.	Black Oak	Quercus velutina	27"	3,152	75%				
16.	Tulip Poplar	Liriodendron tulipifera	29"	5,045	44%				
17.	Black Oak	Quercus velutina	24"	1590	72%				
18.	Black Oak	Quercus velutina	36"	1810	92%				
19.	Tulip Poplar	Liriodendron tulipifera	29"	2552	94%				
20.	Tulip Poplar	Liriodendron tulipifera	25"	4318	91%				
21.	Mockernut Hickory	Carya tomentosa	34"	2810	91%				
22.	Mockernut Hickory	Carya tomentosa	29"	2155	91%				
23.	Black Oak	Quercus velutina	19"	2042	45%				
24.	Tulip Poplar	Liriodendron tulipifera	22.5"	3767	97%				
25.	stump	unknown	36"	0					
26.	Tulip Poplar	Liriodendron tulipifera	38"	3020"	94%				
27.	Tulip Poplar	Liriodendron tulipifera	24"	1794	94%				
28.	Black Cherry	Prunus serotina	11.5"	1290	74%				
29.	Tulip Poplar	Liriodendron tulipifera	27"	5353	91%				
30.	Tulip Poplar	Liriodendron tulipifera	36"	4362	91%				
31.	Tulip Poplar	Liriodendron tulipifera	25"	4,614	98%				
32.	WHITE OAK	Quercus alba	33"	2,165	93%				
33.	stump	unknown	23"	0			Removed		
34.	stump	Quercus velutina	25"	0			Removed	3	
35.	stump	unknown	29"	0			Removed	3	
36.	stump	Quercus velutina	34"	0			Removed	3	
37.	stump	Quercus velutina	44"	0			Removed	3	
38.	stump	unknown	16.5"	0			Removed	3	
39.	TULIP POPLAR	Liriodendron tulipifera	26"	5,542	43%				
40.	stump	Quercus velutina	29.5"	0			Removed	-	
41.	TULIP POPLAR	Liriodendron tulipifera	35"	4,419	95%				
42.	BLACK OAK	Quercus alba	36"	2,290	91%				
43.	WHITE OAK	Quercus alba	33"	1,95	93%				
44.	TULIP POPLAR	Liriodendron tulipifera	26"	4,418	94%				
45.	BLACK OAK	Quercus velutina	23"	5,045	84%	81%			
46.	TULIP POPLAR	Liriodendron	21"	3117	95%				
47.	BLACK OAK	Quercus velutina	16"	1,810	85%				
48.	TULIP POPLAR	Liriodendron tulipifera	30"	4,462	84%				
49.	stump	unknown	22"	0			Removed	3	
50.	stump	Liriodendron tulipifera	24"	0			Removed	3	
51.	Tulip Poplar	Liriodendron tulipifera	24"	4072		Good	Off-site		
52.	American red oak	Quercus rubra	24"	5542		Good	Off-site		
53.	TULIP POPLAR	Liriodendron tulipifera	23"	2,709		91%			
54.	BLACK WALNUT	Juglans nigra	13"	1,255		44%			
55.	TULIP POPLAR	Liriodendron tulipifera	23"	3,039		94%			
56.	TULIP POPLAR	Liriodendron tulipifera	24"	4072		92%			
57.	Northern red oak	Quercus rubra	21"	2117		Good		Off-site	
58.	TULIP POPLAR	Liriodendron tulipifera	26"	4776		91%			
59.	TULIP POPLAR	Liriodendron tulipifera	21"	3,217		84%			
60.	BLACK WALNUT	Juglans nigra	28"	2,421		81%			
61.	TULIP POPLAR	Liriodendron tulipifera	39"	10,207		79%			
62.	Mockernut Hickory	Carya tomentosa	16"	1,410		91%			
63.	TULIP POPLAR	Liriodendron tulipifera	35"	6955		83%			
64.	WHITE OAK	Quercus alba	30"				Removed	0	
65.	NORWAY MAPLE	Acer platanoides	31"	6790		59%			
66.	NORWAY SPRUCE	Picea abies	18"	2290		83%			
67.	NORWAY SPRUCE	Picea abies	20"	2,821		91%			
68.	stump	Juglans nigra	23.5"	0			Removed	-	
69.	BLACK WALNUT	Juglans nigra	25"	3,139		44%			
70.	BIRCH	unknown	14"	0			Removed	3	
71.	AUTUMN OAK	Quercus ilicifolia	21.5"	1			Removed	3	
72.	HEMLOCK	Tsuga canadensis	18"-20"	0			Removed	3	
73.	NORTHERN LINDEN	Tilia cordata	17"	0			Removed	3	
74.	BLACK WALNUT	Juglans nigra	19"	0			Removed	3	
75.	stump	unknown	36"	0			Removed	3	
76.	BLACK OAK	Quercus velutina	37"	-			Removed	3	
77.	DOGWOOD	Cornus florida	13"	1,195		92%			
78.	TULIP POPLAR	Liriodendron tulipifera	35"	6659		97%			
79.	BLACK CHERRY	Prunus serotina	24"	4072		78%			
80.	TULIP POPLAR	Liriodendron tulipifera	35"	10752		81%			
81.	WHITE OAK	Quercus alba	31"	3117		91%			
82.	RED MAPLE	Acer rubrum	19"	1,196		Good		Off-site	
83.	MOCKERNUT HICKORY	Carya alba	37"	9,477		91%	92%		
84.	WHITE OAK	Quercus alba	32.5"	0		Dead			
85.	BLACK GUM	Nyssa sylvatica	20"	2,827		Dead			
86.	Mockernut Hickory	Carya tomentosa	35"	5945		92%			
87.	BLACK LOCUST	Robinia pseudoacacia	18"	1,885		60%		Off-site	
88.	BLACK CHERRY	Prunus serotina	33"/35"	4,238		91%	88%		
89.	BLACK LOCUST	Robinia pseudoacacia	28"	3922		52%			
90.	SASSAFRAS	Sassafras albidum	20"	2827		92%			
91.	STUMP	Unknown	12"	0		Dead			
92.	Mulberry	Morus nigra	34"	1,385		Dead			
93.	SUMAC	Rhus glabra	22"			Dead			
94.	stump	Unknown	24"	0		Dead			
95.	Mulberry	Morus nigra	18"	1,019		63%			
96.	EUROPEAN LARCH	Larix decidua	30"		Failed/Dead				
97.	stump	unknown	36"	0		Dead			
98.	WHITE OAK	Quercus alba	33"	954		85%			
99.	TULIP POPLAR	Liriodendron tulipifera	24"	4072		93%			
100.	TULIP POPLAR	Liriodendron tulipifera	26"	4,578		88%			
101.	TULIP POPLAR	Liriodendron tulipifera	31"	6792		91%			
102.	BLACK OAK	Quercus velutina	30"	4362		Good		Off-site	
103.	SASSAFRAS	Sassafras albidum	14"	1,885		84%			
104.	WHITE OAK	Quercus alba	32"	10,113		97%			
105.	MULBERRY	Morus rubra	30"	0		Dead			
106.	EUROPEAN LARCH	Larix decidua	30"	0		Dead		Failed	
107.	AMERICAN HOLLY	Ilex opaca	24"	1,195		Good		Off-site	
108.	WHITE POPLAR	Populus alba	24"	4,072		Good		Off-site	
109.	EUROPEAN LARCH	Larix decidua	30"	2827		63%			
110.	MOCKERNUT HICKORY	Carya tomentosa	35"	7290		83%			
111.	TULIP POPLAR	Liriodendron tulipifera	43"	13076		100%			
112.	EUROPEAN LARCH	Larix decidua	23"	3107		56%			
113.	WHITE PINE	Pinus strobus	22"	7238		Good		Off-site	
114.	MOCKERNUT HICKORY	Carya tomentosa	35"	4362		91%			
115.	EUROPEAN LARCH	Larix decidua	19"	0		Dead			
116.	EUROPEAN LARCH	Larix decidua	24"	4072		84%			
117.	Japanese Elm	Ulmus americana	32"	10,751		Good		Off-site	
118.	EUROPEAN LARCH	Larix decidua	24"	4,778		72%			
119.	EUROPEAN LARCH	Larix decidua	30"	4362		78%			
120.	MULBERRY	Morus rubra	35"	4484		30%			
121.	DOGWOOD	Cornus florida	8"	N/A		43%			
122.	DOGWOOD	Cornus florida	6"	N/A		34%			
123.	RED CEDAR	Juniperus virginiana	24"	4072		81%			
124.	MULBERRY	Morus rubra	15"-14"	1018		75%			
125.	NORWAY MAPLE	Acer platanoides	31"	0		Dead			
126.	WHITE PINE	Pinus strobus	15"	0		Removed		1	
127.	WHITE PINE	Pinus strobus	17"	2042		91%			
128.	WHITE PINE	Pinus strobus	15"	1590		94%			
129.	WHITE PINE	Pinus strobus	12"	1590		93%			
130.	WHITE PINE	Pinus strobus	12"	1018		93%			
131.	WHITE PINE	Pinus strobus	15"	1590		97%			
132.	WHITE PINE	Pinus strobus	18"	0		Dead			
133.	BLACK LOCUST	Robinia pseudoacacia	25"	4410		53%			
134.	NORWAY MAPLE	Acer platanoides	13"	1,195		Dead			
135.	TULIP POPLAR	Liriodendron tulipifera	31"	4908		100%			
136.	NORWAY MAPLE	Acer platanoides	14"	785		81%			

Project name.

MHG File No
02-Dec-08

FOREST CONSERVATION WORKSHEET

A.	Total area of tract		201,171 s.f
C.	Area of land to be used for agriculture		0 s.f
D.	Area within WSSC or MDOT row/easement responsibility		0 s.f
E	Net tract area.		201,171 s.f
F	Land use category	Institutional	
G.	Afforestation threshold	15 % of net tract area =	30,176 s.f
H.	Conservation threshold	25 % of net tract area =	50,293 s.f
I	Existing forest cover		33,835 s.f
J.	Forest cover above afforestation threshold		3,659 s.f
K.	Forest cover above conservation threshold		0 s.f

CALCULATION OF BREAK-EVEN POINT

L	Break even point	53,636 s.f
M	Forest area to be retained	8,063 s.f
N	Total area of forest to be cleared	25,772 s.f

CALCULATION OF AFFORESTATION REQUIREMENT

P.	Afforestation requirement	0 s.f

CALCULATION OF REFORESTATION REQUIREMENT

Q	Area of forest above conservation threshold to be cleared	0 s.f
R.	Area of forest below conservation threshold to be cleared	25,772 s.f
S	Forested area above conservation threshold to be saved	0 s.f
T	Planting required for clearing above threshold	0 s.f
U	Planting required for clearing below threshold	77,316 s.f
V	Credit for forest saved above conservation threshold	0 s.f
W	Total reforestation requirement	77,316 s.f

TOTAL PLANTING REQUIREMENT

X	Afforestation and reforestation	77,316 s.f
Y	Credit for trees and landscaping	
	Individual/Street Trees	
	2 1/2" Cal Shade 118 trees @ 400 S.F per tree	47,200 s.f
	2 1/2" Cal Flowering 0 trees @ 200 S.F per tree	0 s.f
	Specimen/Champion Trees 0 s.f of C.R.Z. *	0 s.f
	Total credit =	47,200 s.f
Z	Total forest planting requirement	30,116 s.f

NOTES:
- Any inconsistancy of displayed totals may be due to rounding of values

EXOTIC AND INVASIVE PLANT TABLE

Stand No. 1	Stand No. 2
Wine Raspberry - Heavy	English Ivy - Light-heavy patches
Bush Honeysuckle - Heavy	Amur Bush Honeysuckle - Heavy
English Ivy	Norway Maple (SAP) - Moderate
Oriental Bittersweet - Heavy	Violet - Light
Multi-Flora Rose - Light	Wild Garlic - Light to Moderate
Japanese Honeysuckle - Moderate	Wine Raspberry - Light
Mimosa - Light	Mulberry - Light
Privet - Heavy	Grapevine - Light
Norway Maple (SAP) - Light	Ground Ivy - Heavy in open sun
Mulberry - Light	Pachysandra - Localized dense
	Japanese Honeysuckle - Light
	Indian Strawberry - Light
	Privet - Light

Approved FSD
Chief, Development Review Division
Date 2007-00067
Reviewed by [illegible] 12/4/08
Page 2 of 2

TAX MAP FR565

WSSC 219 NW 08

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION
PARCELS 705, 707 and LOT 15, BLOCK A

KOL SHALOM

L. 14991 F. 597 & P.B. 78 P. NO. 7915

4TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG
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Proj. Mgr.	Designer
MGF	FCJ
Date	Scale
11-07-08	NTS
Project No.	Sheet
00.070.51	2 of 2

Attach B

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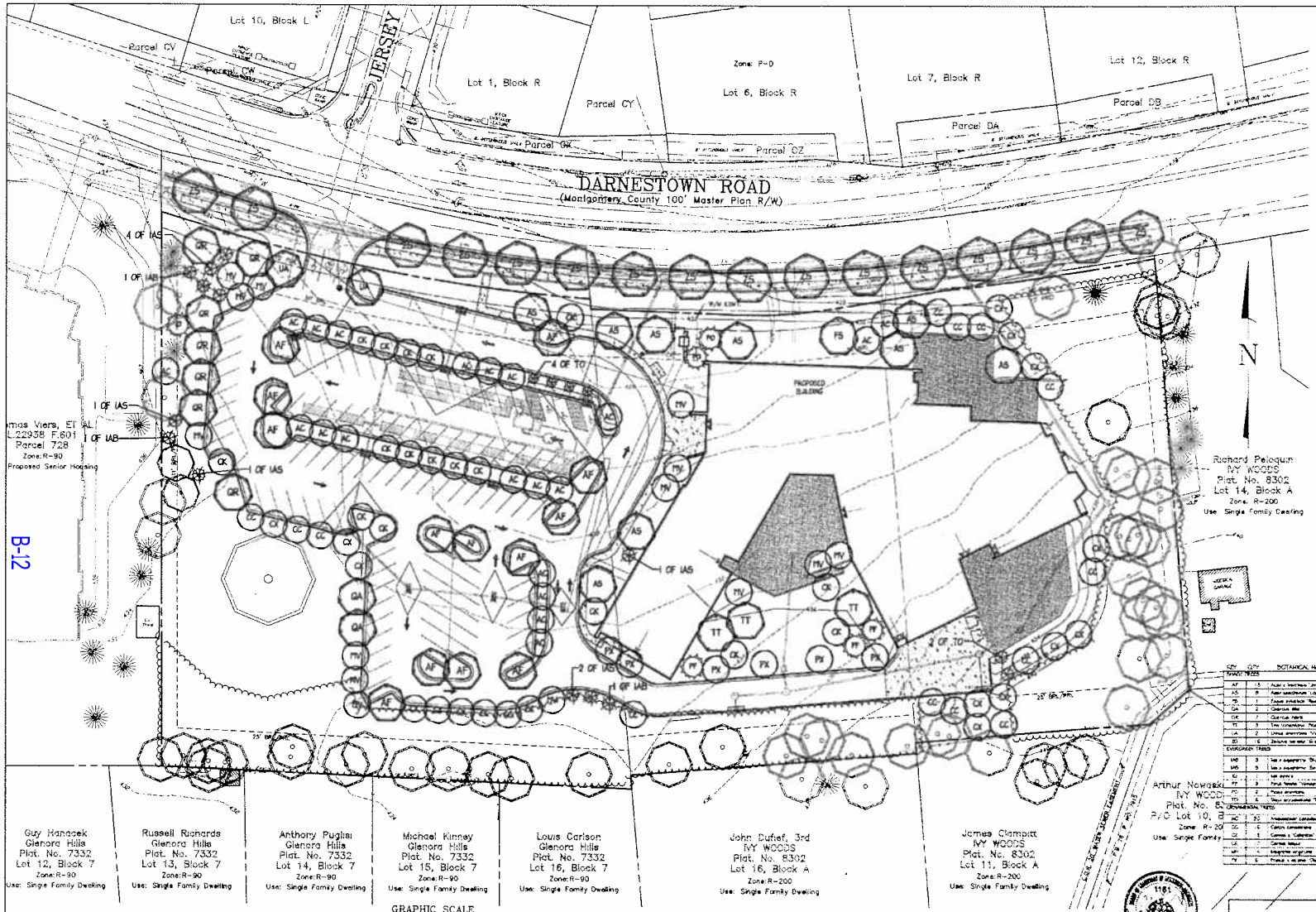

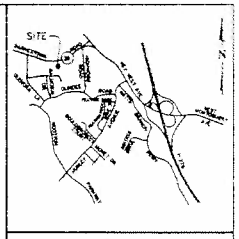

VICINITY MAP
SCALE 1" = 2,000'

LEGEND

- PROPOSED SHADE TREES
- PROPOSED ORNAMENTAL TREES
- PROPOSED EVERGREEN TREES
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED EVERGREEN SHRUBS
- PROPOSED PERENNIAL/GROUND COVER
- EXISTING SIGNIFICANT TREES

LANDSCAPE TREE LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL	HGT	ROOT	NOTES
SHADE TREES							
AF	13	Acer x freemanii 'Jeffersred'	Autumn Fire® Maple	2½-3"		B&B	
AS	8	Acer saccharum 'Legacy'	Legacy Sugar Maple	2½-3"		B&B	
FS	1	Fagus sylvatica 'Rivers'	Dawyck Beech	2½-3"		B&B	
QA	2	Quercus alba	White Oak	2½-3"		B&B	
QR	7	Quercus rubra	Red Oak	2½-3"		B&B	
TT	3	Tilia tomentosa 'Sterling Silver'	Silver Linden	2½-3"		B&B	
UA	2	Ulmus americana 'Valley Forge'	Valley Forge Elm	2½-3"		B&B	
ZS	6	Zelkova serrata 'Green Vase'	Green Vase Japanese Zelkova	2½-3"		B&B	
EVERGREEN TREES							
IAB	3	Ilex x aquipernyi 'Blue Stalker'	Blue Stalker Holly		7-8'	B&B	
IAS	3	Ilex x aquipernyi 'San Jose'	San Jose Holly		7-8'	B&B	
IO	1	Ilex opaca	American Holly		7-8'	B&B	
PV	3	Pinus strobus 'Vanderwolf's Pyramid'	Vanderwolf's Pyramid Eastern Pine		7-8'	B&B	
TC	2	Tsuga canadensis	Canadian Hemlock		7-8'	B&B	
TH	6	Thuja occidentalis 'Techny'	Techny Arborvitae		7-8'	B&B	
ORNAMENTAL TREES							
AC	20	Amelanchier canadensis	Serviceberry	2½-3"		B&B	Single stem
CC	6	Cercis canadensis	Eastern Redbud	2½-3"		B&B	Single stem
CJ	1	Cornus x 'Celestial' (Rutgan)	Celestial Dogwood	2½-3"		B&B	Single stem
CK	7	Cornus kousa	Kousa Dogwood	2½-3"		B&B	Single stem
MV	4	Magnolia virginiana	Sweetbay Magnolia	2½-3"		B&B	Single stem
PX	6	Prunus x yedoensis 'Akebono'	Akebono Cherry	2½-3"		B&B	Single stem

L8-1

LANDSCAPE PLAN
LANDSCAPE PLANTING PLAN

KOL SHALOM

LOT-17, BLOCK A, IVY WOODS
4TH ED CITY OF ROCKVILLE - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
Engineers • Planners
Landscape Architects • Surveyors
9220 Wightman Road, Suite 120
Montgomery Village, Maryland
20886-1279
Phone 301.670.0840
Fax 301.948.0660
www.mhgpa.com

Proj. Mgr.	Designer
MDF	JSH
Date	Scale
5-27-09	1" = 30'
Project No.	Sheet
00-070-05	1 of 2

FOR LOCATIONS OF CITY WATER AND SEWER CALL "CITY UTILITIES SUPERINTENDENT" AT 240-314-8567. FOR LOCATIONS OF OTHER UTILITIES CALL "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION

OWNER/APPLICANT
KOL SHALOM
10301 GROSVENOR PLACE #L6
ROCKVILLE, MD 20852
ATTN: DON SILVERSTEIN
PHONE: 202-778-0400

REVISIONS		
NO.	DATE	DESCRIPTION

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PLANTING NOTES

1. THIS PLAN IS FOR PLANTING PURPOSES ONLY.

2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT MAINTENANCE, INCLUDING WATERING AND GROUNDCARE, AND SHALL MAINTAIN PLANTS IN A VIGOROUS AND GROWING HEALTHY CONDITION THROUGHOUT THE ONE YEAR GUARANTEE PERIOD.

3. CONTRACTOR SHALL LAY OUT AND CLEARLY STAKE ALL PROPOSED IMPROVEMENTS INCLUDED ON THIS PLAN.

4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERTINENT UTILITY PRIOR TO BEGINNING CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM WATER/SEWER CONNECTIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO AND ALL PUBLIC OR PRIVATE UTILITIES.

5. QUANTITIES AS SHOWN ON THE PLAN SHALL GOVERN OVER PLANT LIST QUANTITIES. CONTRACTOR TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. LANDSCAPE ARCHITECT SHALL BE ALERTED BY CONTRACTOR OF ANY DISCREPANCIES PRIOR TO PLANT IMPLEMENTATION. UNIT PRICES FOR ALL PLANTING SHALL BE SUPPLIED TO THE OWNER AT BIDDING. TYP.

6. ALL PLANTING SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. OWNER SHALL RECEIVE THE FIRST EACH PLANT SPECIES AND A LIST OF PLANT SUPPLIERS. MINOR ANY DISCREPANCIES ARE SPOTTED FROM THE PLANT LIST, THE PLANTS PURCHASED SHALL MEET THE MINIMUM REQUIREMENTS FOR THE VARIETY PER THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN). PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

7. CONTRACTOR IS RESPONSIBLE FOR SOIL TESTING AND PREPARATION AS DETAILED IN THE LATEST EDITION OF THE LANDSCAPE SPECIFICATION GUIDELINES OF THE MARYLAND LANDSCAPE CONTRACTORS ASSOCIATION. PREPARATION SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, THE ADDITION OF SOIL AMENDMENTS, FERTILIZERS AND SUPPLEMENTAL TOPSOIL AS INDICATED BY TESTING, AND SUBGRADE, FINAL GRADE AND FINISH GRADE SOIL PREPARATION.

8. ON-SITE TREES AND PLANTED IN BOXES, THEY SHALL BE UNBORN IN BOXES AND BURLAP.

9. BUDS SPECIFIED IN THE PLANT LIST ARE PRIMARY BUDS TO MAKE THE PLANTS ARE TO BE JUDGED. FAILURE TO MEET PRIMARY BUDS OR ANY PLANT WILL RESULT IN REJECTION OF THAT PLANT.

10. ALL PLANTS SHALL BE PERFECTLY FREE, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED, FREE OF DISEASE, INSECT EGGS, AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS.

11. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE ROOTS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

12. MULCH OF SHREDDED SHALL BE PLACED IN A CONTINUOUS FOLIAGE BED WITH SMOOTH CONTOUROUS LINES. ALL PERCENT BED EDGES SHALL BE CURVILINEAR IN SHAPE FOLLOWING THE CONTOUR OF THE PLANT MASS UNLESS OTHERWISE NOTED. TREES LOCATED WITHIN FOUR FEET OF CURBS BEDS SHALL TRIMMED SHAPE FOLLOW BED.

13. NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER EXCEPT WHERE NOTED ON PLANS. NO BURNING SHALL OCCUR WITHIN EXISTING TREE AREAS.

14. TREES SHALL BE LOCATED A MINIMUM OF 3 FEET FROM WALLS AND WALKS WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN ACTUAL AREA OF AREA AND PLANS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE OWNER OR LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE PLANTINGS.

15. LARGE GROWING PLANTS ARE NOT TO BE PLANTED IN FRONT OF WINDOWS, UNDER BUILDING OVERHANGS, OR IN DRAINAGE SWALES. SHRUBS PLANTED NEAR HVAC UNITS TO BE LOCATED SO THAT SHRUBS AT MATURITY WILL MAINTAIN 3-FOOT MINIMUM BETWEEN HVAC AND PLANT.

16. CONTRACTOR TO QUANTIFY ACTUAL PLANT LOCATIONS IN THE FIELD AS NECESSARY TO BE CLEAR OF DRAINAGE SWALES AND UTILITIES. PERIMETER PLANTING BEDS SHALL BE GRADED BY HAND TO AVOID DRAINAGE WAYS FROM BUILDINGS.

17. TREE STAKING SHALL BE DONE PER DETAILS. CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE DURATION OF THE GUARANTEE PERIOD.

18. ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.

19. MULCH IS TO BE DOUBLE SHREDDED UNSEASONED BARK FOR TREES AND SHRUBS.

20. CROWN OF ROOT PLANT SHALL BE AT GRADE OR NO MORE THAN 1" HIGHER (AFTER SETTLING) THAN ADJACENT SOIL.

21. TAGS AND TWINE ARE TO BE REMOVED AND BURLAP IS TO BE FOLDED BACK ONE-HALF ON ALL BAR PLANT MATERIAL.

22. SHRUBS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS UNLESS MARKING IS INDICATED.

23. SHADE STRIPS: HEIGHT SHALL BE MEASURED FROM THE CROWN OF THE ROOT PLANT TO THE TOP OF MATURE GROWTH. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SHADE TREE STRIPS SHALL BE FREE OF ANY CONFLICTS THAT COULD BE POINTS OF NEAR LIFE STRUCTURE OR DISEASE INFESTATION.

ORNAMENTAL: HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE TRUNK PLANT. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH.

24. ALL REPLACEMENTS OF PLANT MATERIAL ARE TO BE EQUIVALENT IN MATERIAL TO THE LANDSCAPE ARCHITECT. IF AGREED TO BY THE LANDSCAPE ARCHITECT, REGARDING MILL PERMANENT BOOK MARKERS TO THE CITY OF ROCKVILLE FORESTER AND FINAL APPROVAL OF ANY SUBSTITUTION SHALL BE APPROVED IN WRITING BY THE CITY FORESTER. FAILURE TO OBTAIN SUBSTITUTION APPROVAL IN WRITING PRIOR RESULT IN LIABILITY TO THE CONTRACTOR.

25. ALL CONTRACTORS SHALL BE REQUIRED TO COMPLETELY REMOVE ALL TRASH, DEBRIS AND UNUSED MATERIALS FROM THE WORK AREA AND THE PROPERTY (ESPECIALLY AT ALL CURBS, GUTTERS AND BROOMSLEEP) DAILY DURING INSTALLATION.

26. DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR (IN A TOTALLY DARK CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED AND PROVIDE A COPY OF THE LIST TO THE OWNER AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD.

27. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE, INTERIM-BEED, STRAW FULLY, AND FACE ALL LAWN AREAS DISTURBED AS THE RESULT OF HIS WORK.

28. CONTRACTOR SHALL GUARANTEE TO OWNER ALL LANDSCAPE IMPROVEMENTS, INCLUDING MATERIAL FOR ONE FULL YEAR AS REQUIRED BY THE SPECIFICATIONS. CONTRACTOR SHALL CONTACT THE OWNER AND CITY FORESTER AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTIONS. CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.

29. THE SPECIFICATIONS FOR ALL WORK INCLUDED IN THIS CONTRACT SHALL BE LANDSCAPE SPECIFICATION GUIDELINES BY THE LANDSCAPE CONTRACTORS ASSOC., FOR CURRENT EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.

30. ANY PLANTING WITHIN 5 FEET OF BUILDING WALLS TO CONDENSER UNITS SHALL BE PLANTED AS REQUIRED TO SCREEN THE UNITS. INSTALL THE CONDENSER UNITS TO BE INSTALLED IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE PLAN IF THEY WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL THE PLANTS AROUND THE CONDENSERS AND TO AVOID OTHER RELEVANT PLANTING ACCEPTABLE.

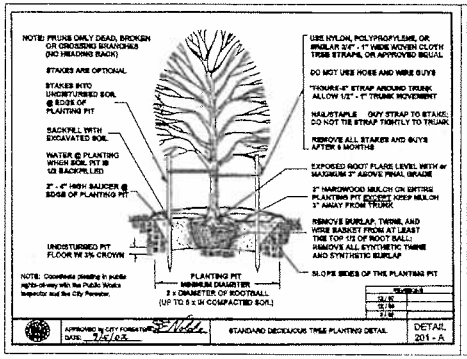
General Planting Notes -- Quality Assurance

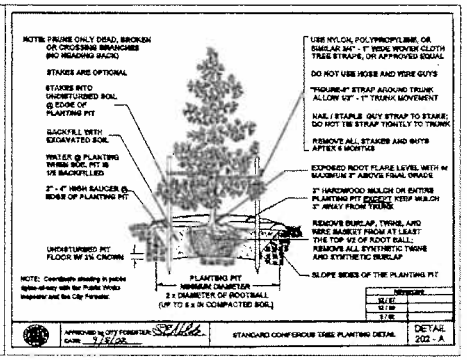
1. All plant material shall be in accordance with the American Standard for Nursery Stock No. Z60.1-2004, by the American Association of Nurserymen, Inc.

2. All plants shall be wholesome, healthy, vigorous, free from plant diseases, insect pests and their eggs, and shall have healthy, normal top and root systems. Plants shall be nursery-grown stock and freshly dug.

3. No trees with multiple leaders will be accepted. No sheared evergreens will be accepted.

4. Substitutions are not permitted without written permission from the City Forester.

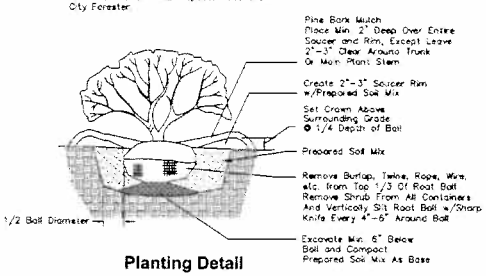




Note:

Water @ planting when soil pit is 1/2 back filled.

Coordinate planting in public right-of-way with the Public Works Inspector and the City Forester.



Planting Detail

Shrub - City Dtl. #203

Not To Scale

LS-2

LANDSCAPE PLAN
LANDSCAPE PLANTING DETAILS

KOL SHALOM

LOT-17, BLOCK A, IVY WOODS

4TH ED CITY OF ROCKVILLE - MONTGOMERY COUNTY - MARYLAND

MHG
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Proj. Mgr. MDP	Designer DSH
Date 5-27-08	Scale 1" = 30'
Project No. 00-070-51	Sheet 2 of 2

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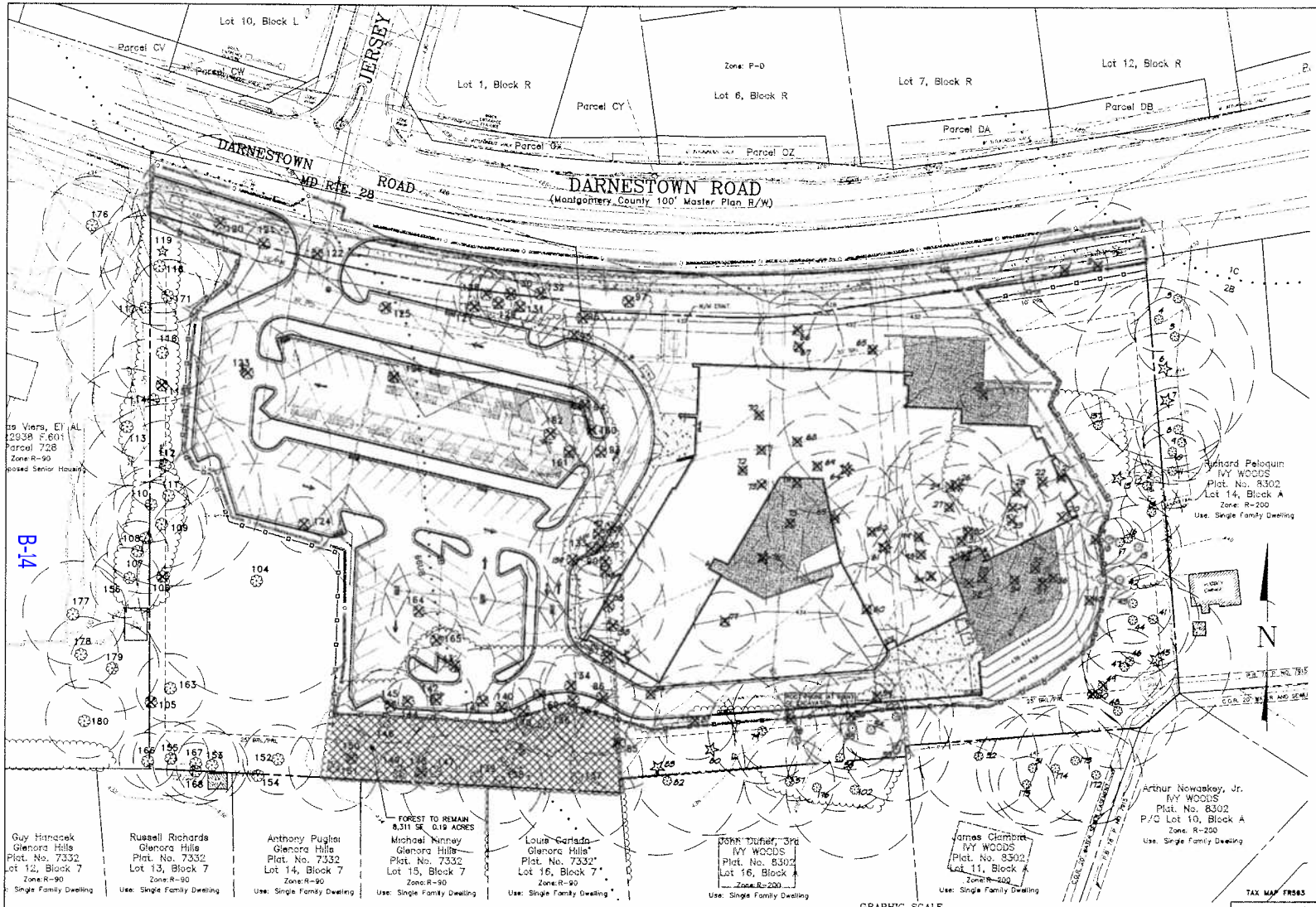

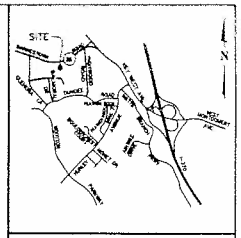

VICINITY MAP
SCALE 1" = 2,000'

LEGEND

- Specimen Tree
- Significant Tree
- Critical Root Zone
- Trees to be Removed
- Forest Saved (0.19 AC)
- Limits of Disturbance
- Tree Protection Fence and Root Pruning

Tree Note

Tree conditions shown hereon are generally accurate based on visual observation per usual and customary practice in accord with State forest conversion legislation. The examination detail required to provide a comprehensive analysis of biological and structural health is beyond the scope of this investigation. Every condition that could possibly lead to tree or limb failure cannot always be detected. Trees are living organisms that may fail in many ways we do not fully understand. Conditions are often hidden within the trees and below the ground. It cannot be guaranteed that a tree will be healthy or safe under all circumstances, or for a specified period of time. Sometimes trees may appear "healthy," but may be structurally unsound. Condition ratings of trees are based solely on the opinion of MHG and may be inconsistent with the opinion of the City of Rockville Forestry Staff. MHG assumes no liability for injury or property damage that may occur as a result of tree failure on this property.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft

MINIMUM TREE COVER TABLE

SITE AREA	197,637 S.F.
MTC REQUIRED (zone R-200 = 20%)	39,527 S.F.
MTC PROVIDED	79,471 S.F.
155 IND. TREES PLANTED ON SITE	39,600 S.F.
ON-SITE FOREST PLANTED	31,560 S.F.
ON-SITE EX. FOREST SAVED	8,311 S.F.

TREES COUNTING FOR REFORESTATION & SIGNIFICANT REPLACEMENT CAN ALSO COUNT FOR MTC.

FOREST CONSERVATION PLAN CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION.

5-27-09
DATE

MACRIS, HENDRICKS & GLASCOCK, P.A.
BY: GEORGE S. MASKAS
REGISTERED LANDSCAPE ARCHITECT
MARYLAND REG. NO. 3243

OWNER/APPLICANT
KOL SHALOM
10301 GROSVENOR PLACE #L6
ROCKVILLE, MD 20852
ATTN: DON SILVERSTEIN
PHONE: 202-778-0400

REVISIONS		
NO	DATE	DESCRIPTION

TAX MAP FR563

FCP-1
WSSC 219NW08

PRELIMINARY FOREST CONSERVATION PLAN
LOT-17, BLOCK A, IVY WOODS

KOL SHALOM
LOT 17, BLOCK A, IVY WOODS

4TH ELECTION DISTRICT – MONTGOMERY COUNTY – MARYLAND

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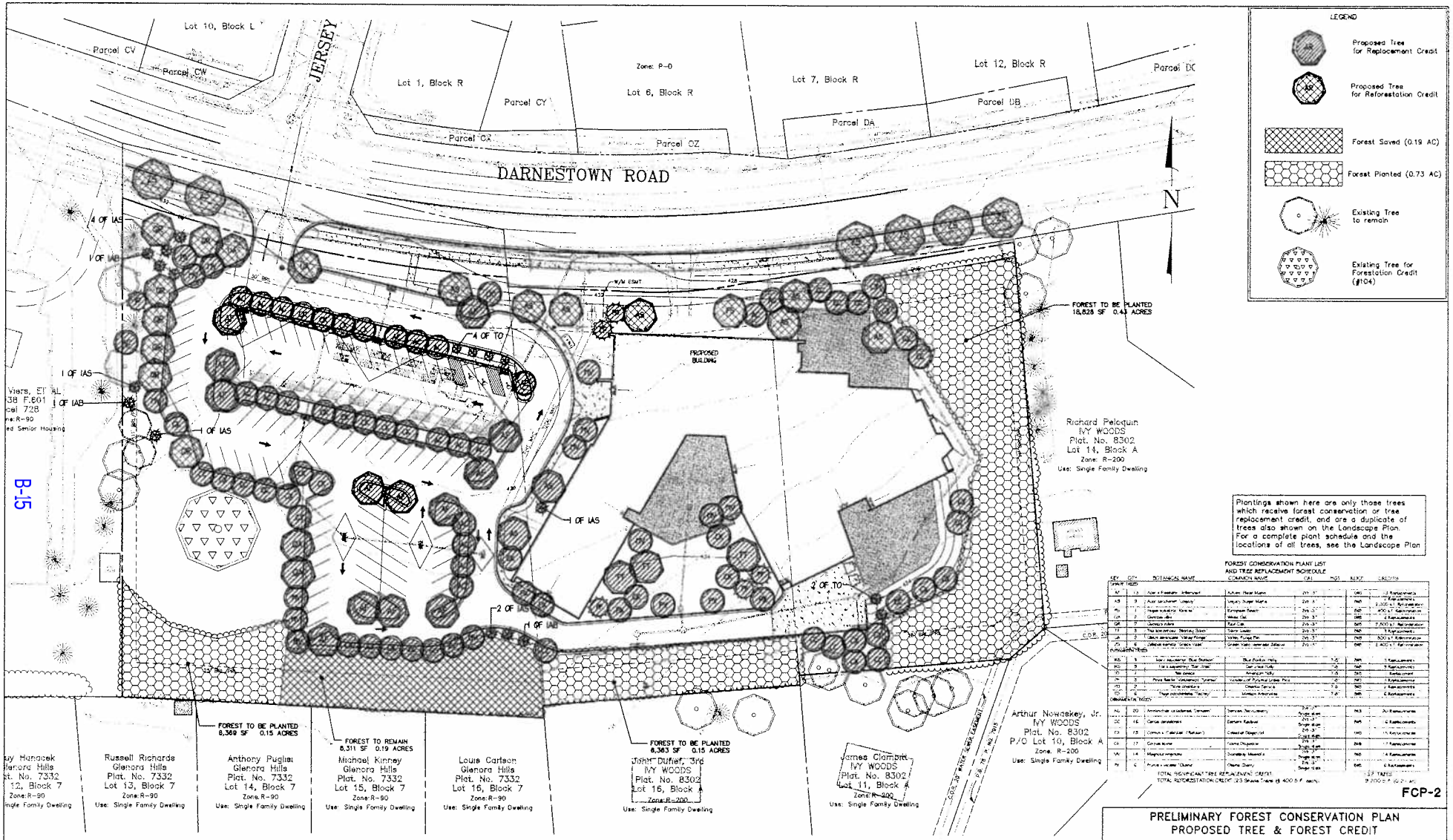
00.070.51	1 of 4

B-14

Attach B



Plantings shown here are only those trees which receive forest conservation or tree replacement credit, and are a duplicate of trees also shown on the Landscape Plan. For a complete plant schedule and the locations of all trees, see the Landscape Plan

FOREST CONSERVATION PLANT LIST AND TREE REPLACEMENT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL	HGT	NEW	CREDITS
SHADE TREES							
AC	13	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	2in - 3"		240	13 Replacements
AS	9	Acer saccharum 'Legacy'	Legacy Sugar Maple	2in - 3"		240	9 Replacements
Fs	1	Fagus sylvatica 'Dawyck'	European Beech	2in - 3"		240	200 s.f. Reforestation
GA	2	Gymnocladus dioicus	Kentucky Coffee Tree	2in - 3"		240	2 Replacements
QB	2	Quercus bicolor	Swamp White Oak	2in - 3"		240	2 Replacements
TT	3	Tilia tomentosa 'Sterling Silver'	Sterling Silver Linden	2in - 3"		240	3 Replacements
VL	2	Zelkova serrata 'Village Green'	Village Green Zelkova	2in - 3"		240	600 s.f. Reforestation
ZS	6	Zelkova serrata 'Green Vase'	Green Vase Japanese Zelkova	2in - 3"		240	1,800 s.f. Reforestation
EVERGREEN TREES							
BS	5	Picea pungens 'Blue Starbucks'	Blue Starbucks Holly	1.5		240	5 Replacements
BS	2	Picea pungens 'Fat Albert'	Fat Albert Holly	1.5		240	2 Replacements
IO	1	Ilex opaca	American Holly	1.5		240	Replacement
IV	3	Ilex x meserveae 'Blue Prince'	Meserve Blue Prince Holly	1.5		240	3 Replacements
PT	2	Pinus taeda	Loblolly Pine	1.5		240	2 Replacements
TC	4	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	1.5		240	4 Replacements
ORNAMENTAL TREES							
AL	20	Amelanchier canadensis 'Cumulus'	Cumulus Serviceberry	Single stem 2in - 3"		240	20 Replacements
CC	16	Cercis canadensis	Eastern Redbud	Single stem 2in - 3"		240	8 Replacements
CF	13	Cornus x 'Celestial' ('Celestial')	Celestial Dogwood	Multi stem 2in - 3"		240	13 Replacements
CK	17	Cornus kousa	Kousa Dogwood	Single stem 2in - 3"		240	17 Replacements
MV	14	Magnolia virginiana	Sweetbay Magnolia	Single stem 2in - 3"		240	14 Replacements
PV	6	Prunus x yedoensis 'Akebono'	Akebono Cherry	Single stem 2in - 3"		240	6 Replacements

TOTAL SIGNIFICANT TREE REPLACEMENT CREDIT 137 TREES
TOTAL REFORESTATION CREDIT (23 Shade Trees @ 400 S.F. each) 9,200 S.F. (0.21 ac)

FCP-2

PRELIMINARY FOREST CONSERVATION PLAN
PROPOSED TREE & FOREST CREDIT
KOL SHALOM
LOT-17, BLOCK A, IVY WOODS
4TH ELECTION DISTRICT – MONTGOMERY COUNTY – MARYLAND

FOREST CONSERVATION PLAN CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION.

5-27-09
DATE

MACRIS, HENDRICKS & GLASCOCK, P.A.
BY: GEORGE S. HARDING
REGISTERED LANDSCAPE ARCHITECT
MARYLAND REG. NO. 2043

REVISIONS		
NO.	DATE	DESCRIPTION

MHG
Macris, Hendricks & Glascock, P.A.
Engineers • Planners
Landscape Architects • Surveyors
9220 Wightman Road, Suite 120
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Proj. Mgr.	Designer
MDP	GSH
Date	Scale
5-27-09	1" = 30'
Project No.	Sheet
00.070.51	2 of 4

Forest Conservation Notes

Pre-Construction:

Permittee shall obtain a Forestry Permit (FTP) for the project and secure copies of the approved Forest Conservation Plan (FCP) for distribution to contractors. **An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged**, but before any clearing or grading begins. Attendees shall include the permittee, construction superintendent, Maryland Licensed Tree Expert/International Society of Arboriculture Certified Arborist (if required by the Forestry Inspector), City Forestry Inspector (telephone: 240-314-8713), and City sediment control inspector. **It is the permittee's responsibility to coordinate and schedule the pre-construction meeting.**

No clearing or grading shall begin before stress reduction measures as indicated on the approved Forest Conservation Plan (FCP), or as otherwise directed by the Forestry staff, have been implemented and approved by Forestry staff, unless otherwise permitted by Forestry staff. Stress reduction measures may include but are not limited to:

A. Root pruning.
B. Crown pruning.
C. Watering.
D. Surface mulching.
E. Vertical mulching.

A Maryland Licensed Tree Expert AND International Society of Arboriculture Certified Arborist must perform all stress-reduction measures. Forestry staff may require documentation of these licenses. Documentation of stress reduction measures may be required and shall be sent to the City Forester at 14625 Rothgeb Drive, Rockville, Maryland 20850.

Temporary tree protection devices shall be installed in accordance with the FCP, or as otherwise directed by Forestry staff, prior to any construction activities such as installing sediment control measures, clearing or tree removal, etc. The permittee must contact the Forestry Inspector to schedule a follow up construction inspection after installing all tree protection measures and performing all stress reduction measures. Upon a satisfactory inspection by the Forestry Inspector and Sediment Control Inspector, a Notice to Proceed will be issued and clearing and grading can commence.

The contractor shall maintain temporary protection devices for the duration of the construction project and the location must not be altered without prior approval of the Forestry Inspector. No equipment, trucks, materials, debris, or any other items may be stored within the tree protection fence areas during the entire construction project. **No access to the fenced area will be permitted.** Tree protection fencing shall not be removed without prior approval of the Forestry Inspector.

Long-term tree protection devices/techniques (as shown on the FCP or as directed by the Forestry Inspector) may include but are not limited to:

A. Root aeration systems
B. Retaining walls
C. Raised sidewalks
D. Tunneling of utilities
E. Pier and panel walls
F. Porous pavers

Long-term protection devices/techniques will be installed/implemented per the Forest Conservation Plan and attached details or as directed by the Forestry Inspector. Installation will occur when required by the Forestry Inspector.

Periodic inspections at the discretion of the City Forestry staff will occur during the construction project. Corrections and repairs to all tree protection devices, and other protective measures as requested by the Forestry staff, must be done by the required date. **Failure to comply with the approved FCP or any directive of Forestry staff is a violation of the Forest and Tree Preservation Ordinance (FTPO).** Pursuant to Section 10.5-34 of the FTPO, a fine in the amount of $1,000 may be imposed for each violation. Each day a violation continues is a separate violation. In addition, a stop work order may be issued until the violation has been abated and fine has been paid or an appeal has been filed pursuant to Section 10.5-35 of the FTPO. Additional punitive measures as stated under Section 10.5-34 of the FTPO may be imposed.

Post-Construction:

An inspection shall be requested in writing by the permittee after construction is completed. Corrective measures may be required for existing trees and/or forest areas, which may include, but are not limited to, the following:

- Removal and replacement of dead or dying trees.
- Pruning of damaged, dead or declining limbs.
- Surface mulching.
- Soil aeration.

- Fertilization.
- Watering.
- Wound repair.
- Cleanup of debris.

After inspection and approval of corrective measures by the City Forester, all temporary protection devices shall be removed from the site. No additional grading, sodding, or burial of debris may take place.

Planting:

The permittee is responsible for obtaining the approved Forest Conservation Plan/Landscape Plan and providing a copy to the Landscape Contractor. The permittee shall ensure that the Landscape Contractor is able to secure the plants shown the FCP/Landscape Plan. **Plant substitutions are not allowed.** It is recommended that plant material be secured by the project start date.

A pre-planting is meeting required before installation of landscaping, afforestation or reforestation. The applicant must schedule an on-site pre-planting meeting with the City Forestry Inspector by calling 240-314-8713. Attendees must include the permittee, landscape contractor, and Forestry Inspector. Trees and shrubs shall conform to the current edition of the American Standard for Nursery Stock (ANSI Z60.1). All details of the planting plans with regard to plant quality and proper planting will be discussed including but not limited to:

- **Plant quality**
  - Proper form for species
  - Proper ratio of caliper size/height to container size/rootball size.
  - Proper pruning cuts if applicable (generally there should be no recent pruning)
  - No co-dominant stems or multiple trunks (unless approved by City Forester)
  - Sound graft union
  - Free of girdling roots, or the ability to remove girdling roots without damaging the tree
  - Trees shall be healthy, vigorous, insect/disease free, and without cankers/cracks or trunk damage
- **Proper planting**
  - Root flare no higher than 3 inches from existing grade
  - Exposed root flare (not graft): Removing more than several inches of soil to expose the root flare may result in the rejection of the plant material.
  - Wire baskets/twine/burlap removed from top half of root ball
  - All synthetic burlap or twine removed completely
  - No hose and wire; staking and guying per City planting detail
  - Hole a minimum of twice the width of the root ball
  - Mulched properly per City planting detail
  - Wildlife protection installed (if required and type approved by the Forestry Inspector)

Trees not complying with above may be rejected at the discretion of the City Forester. Tree planting will generally not be permitted between the dates of June 1 and September 1 or when the ground is frozen.

Post Planting:

The permittee shall notify the City Forester IN WRITING when the planting is complete and request a post planting inspection. The inspection must include the permitee, landscape contractor and Forestry Inspector. The maintenance and warranty period will not begin until the City Forester has accepted ALL plantings. **Trees will be inspected for plant quality and proper planting in accordance with City specifications and nursery standards. Once the maintenance period has begun, the applicant is responsible for maintaining plant health in accordance with the signed Warranty and Maintenance Agreement.** Routine inspections will be conducted throughout the warranty period and the applicant will be notified in writing when corrective measures are required. **Failure to complete the corrective measures by the given date may result in fines being issued, permits revoked, extension of warranty period or other punitive measures.** Such maintenance shall include when appropriate, but not necessarily be limited to:

- Watering, fertilizing and control of competing vegetation throughout the maintenance period as necessary.
- Pruning, mulching, tightening and removal of strapping and stakes within 6 months, resetting of plants to proper grades or upright position, and furnishing and applying such sprays or other items necessary to thwart damage from insects and disease.
- Providing protection measures such as fencing and interpretive signs as necessary, to prevent destruction or degradation of the planting site.
- Replacement of dead and dying trees. Survival standards contained in the Forest Conservation Manual shall be followed for the protection and satisfactory establishment of forest where applicable.
- Eradicate, suppress and control non-native invasive plant species during the maintenance period to the satisfaction of the City Forester.
- Installing and maintaining devices to protect against wildlife damage.
- Removal of staking and strapping after six months.

Non-Native and Invasive Plant Control:

The City of Rockville maintains a list of exotic and invasive plants and Best Management Practices for select plants on the City's website. The permitee shall submit a Non-Native and Invasive Management Plan to the City Forester for review and approval prior to the preplanting meeting. Details to be included in the management plan are:

- Narrative stating the location, type and amount of exotic and invasive plants present on the site.
- Proposed treatment measures and methods of control by plant type.
- Timing and frequency of treatments by plant type.
- Proposed signage type and locations for installing signs.
- Copies of contractor certifications/Pesticide licenses.

Contractor is responsible for complying with MDE, EPA and other government agency regulations as well as obtaining proper permits from these agencies as applicable. **The Forestry inspector must be notified 48 hours in advance prior to commencing any and all treatments.** Forestry staff will perform periodic inspections of the exotic and invasive treatments throughout the warranty and maintenance period.

CITY OF ROCKVILLE FOREST CONSERVATION WORKSHEET March 2009

NET TRACT AREA						
A. Total tract area ...						4.54
B. Deductions (land dedication not in construction on this plan, other deductions - specify)						0.00
C. Net Tract Area ...						4.54
LAND USE CATEGORY: ZONING: Place a "1" under the column corresponding to the correct zone of the site	R-400, R-200	R-90, R-75, R-60, R-150	RMD10, RMD15, RMD25	I-L, I-H, RPR, RPC, MXT, MXC, MXNC, MXB, MXE, MXCD, MXTD		
Zone. (choose only one)	1	0	0	0		
D. Afforestation Threshold				20%	x F =	0.91
E. Conservation Threshold				30%	x F =	1.38
EXISTING FOREST COVER:						
F. Existing forest cover (within net tract) ... =						0.35
G. Area of forest above conservation threshold ... =						0.00
BREAK EVEN POINT						
H. Breakeven Point (amount of forest retained so that no mitigation is required) =						0.00
I. Clearing permitted without mitigation =						0.00
PROPOSED FOREST CLEARING:						
J. Total area of forest to be cleared ... =						0.16
K. Total area of forest to be retained ... =						0.19
PLANTING REQUIREMENTS:						
L. Reforestation for clearing above conservation threshold =						0.00
M. Reforestation for clearing below conservation threshold =						0.48
N. Credit for retention above conservation threshold =						0.00
P. Total reforestation required =						0.48
Q. Total afforestation required =						0.56
R. Total planting requirement =						1.04

FORESTATION REQUIREMENT: 1.04 Acre
Forest Planting to be met on-site: 0.73 Acre
Tree #104 credit: 0.10 Acre
Tree Planting for Credit: 0.21 Acre
Total met on-site: 1.04 Acre

Tree #104 Credit:

CRZ s.f. = 18,027 s.f.
CTLA Rating = 97%
CRZ disturbed = 4,309 s.f.
% Undisturbed = 76%
25% of CRZ = 4,507 s.f. or 0.10 ac.

NOTES:

1. PRUNING AND SELECTIVE REMOVAL OF THE SAVE TREES MAY BE REQUIRED PER THE CITY FORESTER'S DIRECTION. ANY SIGNIFICANT TREES TO BE REMOVED AT THE DIRECTION OF THE FORESTRY INSPECTOR WILL REQUIRE REPLACEMENT.

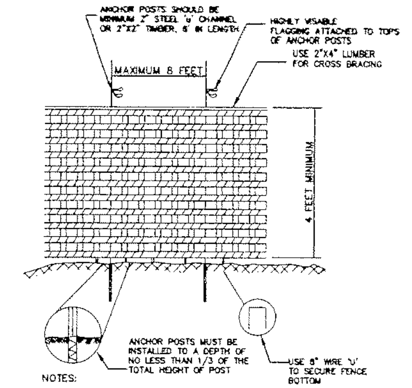
2. SOME TREES MAY BE REQUIRED BY CITY OF ROCKVILLE FORESTRY INSPECTOR TO BE LIMB PRUNED BY LTE/ISA CERTIFIED ARBORIST

3. WHERE APPLICABLE, SILT FENCE SHALL BE INSTALLED IN THE ROOT PRUNING TRENCH. TREE PROTECTION FENCE TO BE INSTALLED BEHIND THE SILT FENCE. WHEN SUPER SILT FENCE IS USED NO TREE PROTECTION FENCE IS NEEDED.

4. ROOT PRUNING LOCATIONS ALONG LOD MAY BE ADJUSTED BY CITY OF ROCKVILLE FORESTRY INSPECTOR AT PRECONSTRUCTION MEETING.

SEQUENCE OF CONSTRUCTION

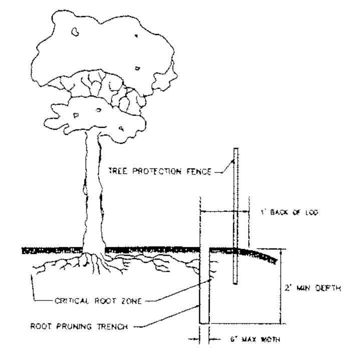
1. Schedule a pre-construction meeting with the Contract Manager 240-314-8542, the City Inspector 240-314-8240, and the City Forester 240-314-8713. Call at least 48 hours prior to beginning construction. Contact Miss Utility at 1-800-257-7777 and the City Utilities Superintendent for water and sewer locations at 240-314-8570, 48 hours prior to any land disturbance.
2. Install Tree Protection Fencing and perform Root Pruning operations. Install sediment control devices.
3. Once the sediment control devices are installed, the permittee must obtain approval from the City Inspector and the City Forester before proceeding with any additional clearing, grubbing or grading.
4. Begin demolition of existing buildings.
5. Clear, grub, and begin excavating and grading.
6. Begin building construction.
7. Begin storm drain construction.
8. Begin water & sewer and other utility construction.
9. Begin stormwater management facility construction.
10. Begin curb & gutter and paving.
11. As various areas are completed, place topsoil and sod/seed on grassed areas in conformance with these plans and the "Standard Erosion and Sediment Control Notes."
12. Schedule a pre-planting meeting with the City Forester.
13. Upon completion and site stabilization, and with the on-site approval of the sediment control inspector and forestry inspector, sediment control structures and tree protection devices shall be removed.
14. Remove tree protection fence.



NOTES:

1. Forest protection device only.
2. Retention Area will be set as part of the review process.
3. Boundaries of retention Area should be staked and flagged prior to installing device.
4. Root damage should be avoided.
5. Protective signage is required.
6. Device should be maintained throughout construction.

BLAZE ORANGE MESH PLASTIC
TREE PROTECTION FENCE



NOTES:

1. RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS
2. BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO TRENCHING.
3. EXACT LOCATION OF THE TRENCH SHOULD BE FIELD LOCATED
4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED FROM TRENCH OR FILL WITH OTHER HIGH ORGANIC SOIL.
5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT

ROOT PRUNING DETAIL

FCP-3

FOREST CONSERVATION PLAN CERTIFICATION
I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION.

5-27-09
DATE

MACRIS, HENDRICKS & GLASCOCK, P.A.
BY: GEORGE S. HASKINS
REGISTERED LANDSCAPE ARCHITECT
MARYLAND REG. NO. 3263

REVISIONS		
NO.	DATE	DESCRIPTION

PRELIMINARY FOREST CONSERVATION PLAN
NOTES AND DETAILS

KOL SHALOM

LOT-17, BLOCK A, IVY WOODS
4TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
Engineers • Planners
Landscape Architects • Surveyors
9220 Wightman Road, Suite 120
Montgomery Village, Maryland 20886-1279
Phone 301.670.0840
Fax 301.948.0693
www.mhgpa.com

Proj. Mgr.	Designer
MOP	GSH
Date	Scale
5-27-09	AS NOTED
Project No.	Sheet
00.070.51	3 of 4

Attach B

TREE #	COMMON NAME	SPECIES	SIZE (DBH)	DRIPLINE RADIUS (DBH)	STATUS (TYPE)	CITY PRIVATE TREE CHART	TREE FOLIAGE	NEW LANDSCAPE TREES
1.	Eastern Redbud	Cercis sp.	14"	2,330	Fair		REMOVE	2
2.	Pin Oak	Quercus palustris	24"	3,840	Fair		REMOVE	3
3.	Norway Spruce	Picea abies	18"	0	Poor-Dead		Off-site	
4.	Eastern Redbud	Cercis canadensis	8"	1,264	Dead		Off-site	
5.	Norway Spruce	Picea abies	24"	2,843	Fair		Off-site	
6.	White Pine	Pinus strobus	40"	16,755	Fair		Off-site	
7.	White Pine	Pinus strobus	36"	7,069	Fair		Off-site	
8.	White Pine	Pinus strobus	18"	2,542	Fair		Off-site	
9.	White Pine	Pinus strobus	18"	2,542	Fair		Off-site	
10.	Norway Spruce	Picea abies	18"	2,289	Fair		Off-site	
11.	Norway Spruce	Picea abies	18"	2,542	Fair		Off-site	
12.	Red Maple	Acer rubrum	14"	616	Fair		Off-site	
13.	White Ash	Fraxinus americana	12"	1,255	Fair			
14.	Black Oak	Quercus velutina	20"	1,256	Fair			
15.	Black Oak	Quercus velutina	20"	1,256	Fair			
16.	Tulip Poplar	Liriodendron tulipifera	24"	2,827	Fair			
17.	Black Oak	Quercus velutina	15"	804	Fair			
18.	Black Oak	Quercus velutina	16"	804	Fair			
19.	Tulip Poplar	Liriodendron tulipifera	18"	1,018	Fair		REMOVE	2
20.	Tulip Poplar	Liriodendron tulipifera	18"	1,018	Fair		REMOVE	2
21.	Mockernut Hickory	Carya tomentosa	18"	1,018	Fair		REMOVE	2
22.	Mockernut Hickory	Carya tomentosa	14"	616	Fair		REMOVE	1
23.	Black Oak	Quercus velutina	18"	1,018	Fair		REMOVE	2
24.	Tulip Poplar	Liriodendron tulipifera	24"	2,827	Fair		REMOVE	3
25.		Unknown	6"	0			Removed	0
26.	Tulip Poplar	Liriodendron tulipifera	18"	1,018	Fair		REMOVE	2
27.	Tulip Poplar	Liriodendron tulipifera	18"	1,018	Fair		REMOVE	2
28.	Black Cherry	Prunus serotina	12"-12"	814	Fair		REMOVE	1
29.	Tulip Poplar	Liriodendron tulipifera	27"	2,376	Fair		REMOVE	3
30.	Tulip Poplar	Liriodendron tulipifera	18"	1,018	Fair		REMOVE	2
31.	Tulip Poplar	Liriodendron tulipifera	18"	1,018	Fair		REMOVE	2
32.	White Oak	Quercus alba	15"	1,018	Fair		REMOVE	1
33.		Unknown	12"	0			Removed	0
34.		Quercus velutina	18"	0			Removed	0
35.		Unknown	12"	0			Removed	0
36.		Quercus velutina	18"	0			Removed	0
37.		Quercus velutina	18"	0			Removed	0
38.		Unknown	12"	0			Removed	0
39.		Quercus velutina	18"	0			Removed	0
40.		Tilia sp.	12"	0			Removed	0
41.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		Removed	3
42.		Quercus velutina	18"	0			Removed	0
43.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		Removed	3
44.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		Removed	3
45.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		Removed	3
46.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		Removed	3
47.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair	Dead	Removed	3
48.	Northern red oak	Quercus sp.	24"	2,826	Dead		Off-site	
49.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair	Dead	REMOVE	3
50.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
51.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
52.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
53.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
54.	Northern red oak	Quercus sp.	24"	2,826	Dead		Off-site	
55.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
56.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
57.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
58.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
59.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
60.	Northern red oak	Quercus sp.	24"	2,826	Dead		Off-site	
61.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair		REMOVE	3
62.	Northern red oak	Quercus sp.	24"	2,826	Dead		Off-site	
63.	Tulip Poplar	Liriodendron tulipifera	42"	3,848	Fair		REMOVE	4
64.	Tulip Poplar	Liriodendron tulipifera	42"	3,848	Fair		REMOVE	4
65.	Tulip Poplar	Liriodendron tulipifera	42"	3,848	Fair		REMOVE	4
66.	Tulip Poplar	Liriodendron tulipifera	42"	3,848	Fair		REMOVE	4
67.	Black Walnut	Juglans nigra	24"	1,257	Fair		REMOVE	2
68.	Black Walnut	Juglans nigra	24"	1,257	Fair		REMOVE	2
69.	Black Walnut	Juglans nigra	24"	1,257	Fair		REMOVE	2
70.		Unknown	18"	0			Removed	0
71.	Pinegrove Lance	Celtis occidentalis	14"-14"	0			Removed	0
72.	Ironwood	Carpinus caroliniana	14"-14"	0			Removed	0
73.	Pinegrove Lance	Celtis occidentalis	12"	0			Removed	0
74.	Black Walnut	Juglans nigra	24"	0			Removed	0
75.	Willow	Salix sp.	18"	0			Removed	0
76.	Ironwood	Carpinus caroliniana	18"	0			Removed	0
77.	DOGWOOD	Cornus florida	12"	1,145	Fair		REMOVE	0
78.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
79.	Black Walnut	Juglans nigra	24"	1,257	Fair			
80.	Tulip Poplar	Liriodendron tulipifera	24"	1,257	Fair			
81.	Red Oak	Quercus rubra	20"	2,042	Fair		REMOVE	2
82.	Tulip Poplar	Acer rubrum	12"	1,255	Fair		Fence-Off-site	
83.	Mockernut Hickory	Carya tomentosa	24"	0.477	Fair	Yes		
84.	White Oak	Quercus alba	18"	0	Dead		Removed	0
85.	Black Gum	Nyssa sylvatica	18"	1,018	Fair		REMOVE	1
86.	Mockernut Hickory	Carya sp.	24"	1,018	Fair		REMOVE	1
87.	Black Locust	Robinia pseudoacacia	12"	0	Dead		REMOVE (PRIORITY)	0
88.	Black Locust	Prunus serotina	12"-12"	0.271	Fair	Yes	REMOVE (PRIORITY)	0
89.	Black Walnut	Juglans nigra	24"	1,018	Fair		REMOVE	1
90.	Sassafras	Sassafras albidum	24"	1,018	Fair		REMOVE	1
91.	Elm	Unknown	24"	1,018	Fair		REMOVE	1
92.	Hickory	Carya sp.	24"	1,018	Dead		REMOVE	1
93.	Elm	Unknown	24"	0	Dead		Fallen	0
94.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
95.	Elm	Unknown	24"	0	Dead		Fallen	0
96.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
97.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
98.	Pinegrove Lance	Celtis occidentalis	18"	0	Dead		Fallen	0
99.	Elm	Unknown	24"	0	Dead		Fallen	0
100.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
101.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
102.	Pinegrove Lance	Celtis occidentalis	18"	0	Dead		Fallen	0
103.	Elm	Unknown	24"	0	Dead		Fallen	0
104.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
105.	Pinegrove Lance	Celtis occidentalis	18"	0	Dead		Fallen	0
106.	Tulip Poplar	Liriodendron tulipifera	24"	1,018	Fair		REMOVE	1
107.	Tulip Poplar	Liriodendron tulipifera	24"	1,018	Fair		REMOVE	1
108.	Tulip Poplar	Liriodendron tulipifera	24"	1,018	Fair		REMOVE	1
109.	Tulip Poplar	Liriodendron tulipifera	24"	1,018	Fair		REMOVE	1
110.	Tulip Poplar	Liriodendron tulipifera	24"	1,018	Fair		REMOVE	1
111.	Tulip Poplar	Liriodendron tulipifera	24"	1,018	Fair		REMOVE	1
112.	Hickory	Carya sp.	24"	0	Dead		Fallen	0
113.	Pinegrove Lance	Celtis occidentalis	18"	0	Dead		Fallen	0
114.	Willow Oak	Quercus phellos	36"	3,142	Fair		REMOVE	3
115.	Pinegrove Lance	Celtis occidentalis	18"	0	Dead		Fallen	0
116.	Pinegrove Lance	Celtis occidentalis	18"	0	Dead		Fallen	0
117.	American Elm	Ulmus sp.	36"	10,751	Dead		Off-site	
118.	Pinegrove Lance	Celtis occidentalis	18"	0.018	Fair			
119.	Pinegrove Lance	Celtis occidentalis	36"	0.379	Fair			
120.	Mockernut	Carya sp.	30"	10,207	Dead		Fallen/Hickory	0
121.	Dogwood	Cornus florida	8"	804	Fair		REMOVE	0
122.	Dogwood	Cornus florida	8"	804	Fair		REMOVE	0
123.	Willow	Salix sp.	24"	1,257	Fair		REMOVE	1
124.	Mockernut	Carya sp.	24"-24"-24"	0.471	Fair		REMOVE	1
125.	Black Walnut	Juglans nigra	24"-12"-12"	0.24	Fair		REMOVE	1
126.	Black Walnut	Juglans nigra	24"	0	Dead		Removed	0
127.	White Oak	Quercus alba	18"	0			REMOVE	0
128.	White Oak	Quercus alba	18"	0			REMOVE	0
129.	White Oak	Quercus alba	18"	0.636	Fair		REMOVE	1
130.	White Oak	Quercus alba	15"	0.442	Fair		REMOVE	1
131.	White Oak	Quercus alba	15"	0.442	Fair		REMOVE	1
132.	White Oak	Quercus alba	14"	0.385	Fair		REMOVE	1
133.	White Oak	Quercus alba	14"	0.385	Fair		REMOVE	1
134.	White Oak	Quercus alba	14"	0	Dead		Fallen	0
135.	Mockernut Hickory	Carya tomentosa	24"	0.471	Fair		REMOVE	1
136.	Dogwood	Cornus florida	12"	0.785	Fair			
137.	Dogwood	Cornus florida	12"	0.785	Fair			
138.	Dogwood	Cornus florida	12"	0.785	Fair			
139.	Dogwood	Cornus florida	12"	0.785	Fair			
140.	Dogwood	Cornus florida	12"	0.785	Fair			
141.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
142.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
143.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
144.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
145.	Black Walnut	Juglans nigra	24"	1,257	Fair			
146.	Black Walnut	Juglans nigra	24"	1,257	Fair			
147.	Black Walnut	Juglans nigra	24"	1,257	Fair			
148.	Black Walnut	Juglans nigra	24"	1,257	Fair			
149.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
150.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
151.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
152.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
153.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
154.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
155.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
156.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
157.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
158.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
159.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
160.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
161.	Tulip Poplar	Liriodendron tulipifera	36"	3,142	Fair			
162.	White Oak	Quercus alba	18"	0.636	Fair			
163.	White Oak	Quercus alba	18"	0.636	Fair			
164.	White Oak	Quercus alba	18"	0.636	Fair			