

ENVIRONMENTAL FEATURES

1. THERE ARE NO FOREST STANDS ON THIS SITE.
2. THERE ARE NO SPECIMEN TREES ON THIS SITE.
3. SOILS: (UZ) URBAND LAND.
4. THERE ARE NO SOIL STRUCTURAL LIMITATIONS ON THIS SITE.
5. THERE ARE NO HYDRIC SOILS ON THIS SITE
6. THERE ARE SOILS WITH K VALUE >0.35 ON THIS SITE.
7. THERE ARE NO STEEP SLOPES >15% ON THIS SITE.
8. THERE ARE NO HIGHLY ERODIBLE OR PRIME AGRICULTURAL SOILS ON THIS SITE.
9. THIS SITE IS NOT WITHIN THE CHESAPEAKE BAY CRITICAL AREA.
10. THERE ARE NO NONTIDAL OR TIDAL WETLANDS, OR BUFFER AREAS ON THIS SITE.
11. THERE ARE NO INTERMITTENT OR PERENNIAL STREAMS ON THIS SITE.
12. THERE ARE NO STREAM BUFFERS (50-FOOT WIDTH) ON THIS SITE.
13. THERE ARE NO 100-YEAR NONTIDAL FLOODPLAINS ON THIS SITE.
14. THERE ARE NO GEOLOGIC FEATURES ON THIS SITE.
15. THERE ARE NO RARE, THREATENED OR ENDANGERED PLANT OR ANIMAL SPECIES ON THIS SITE.
16. THERE ARE NO HISTORIC OR CULTURAL FEATURES ON THIS SITE.
17. THERE ARE NO FORESTED AREAS OR UNFORESTED AREAS EXTENDING OFFSITE.
18. THERE ARE NO FORESTED AREAS ADJACENT TO THIS SITE.
19. PAST AND PRESENT USE OF THIS SITE IS UNFORESTED PAVED COMMERCIAL USE

SITE INFORMATION

1. PARCEL ID: PARCEL 1 & PARCEL 2
2. TOTAL TRACT AREA: 41,472.22 SF (0.952 AC)
3. NET TRACT AREA: 41,472.22 SF (0.952 AC)
4. TOTAL EXISTING FOREST AREA: 0 SF (0 AC)
5. LAND USE CATEGORY: COMMERCIAL; THRESHOLD: 20%
6. AREA OF PROPOSED CLEARING: 0 SF (0 AC)
7. AREA OF RETENTION: 0 SF (0 AC)
8. AREA FOR PLANTING: 4,484 SF (0.10 AC)
9. TOTAL PLANTING REQUIREMENT: 0.19 AC
10. PERMIT NUMBER: 00010

LEGEND OF SYMBOLS

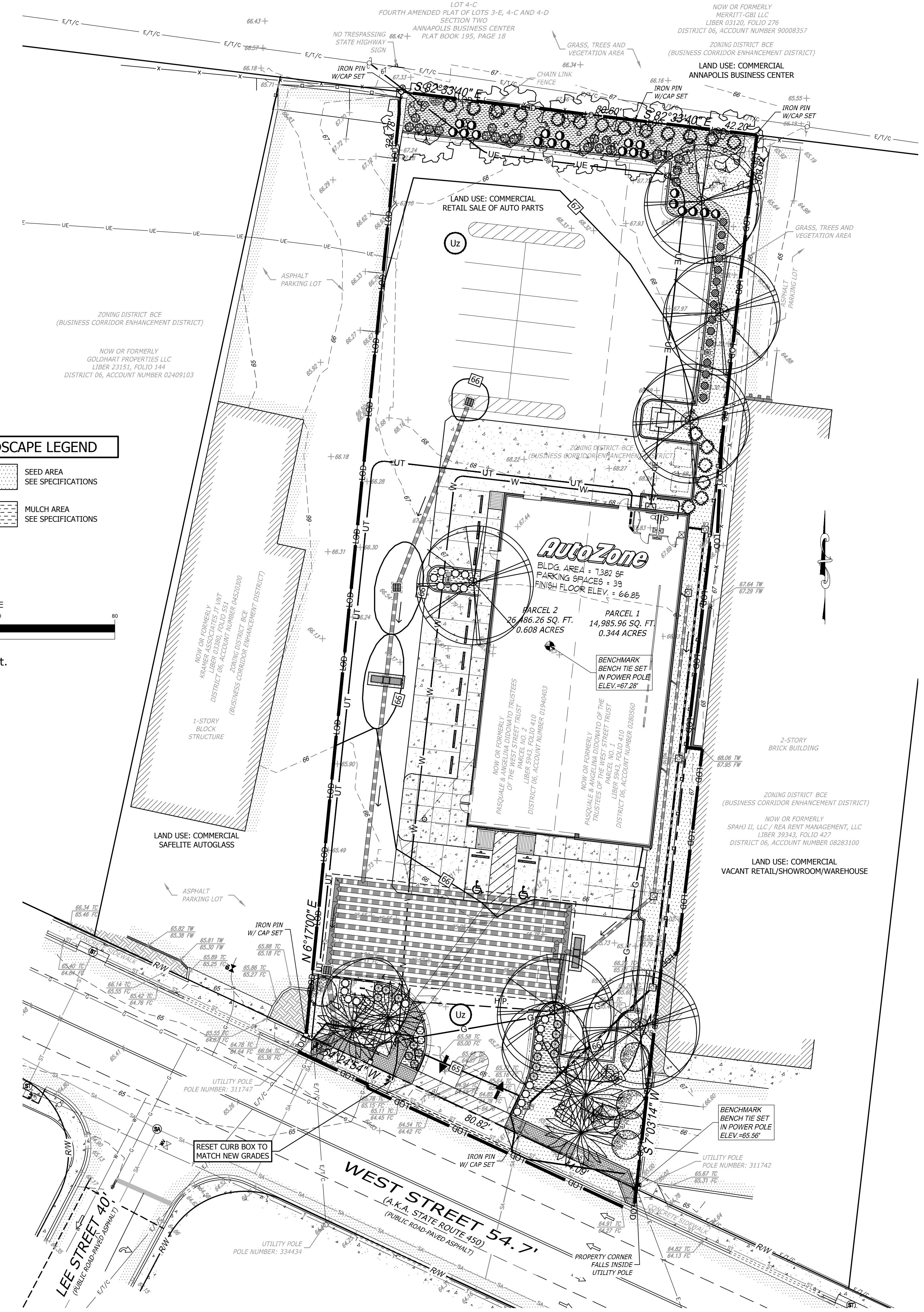
Limit of Disturbance (LOD)	LOD	LOD	Iron pin w/cap set (Unless otherwise noted)
Proposed Water Line	W		Iron Pin Found
Proposed Gas Line	G		Gas Meter
Proposed Sanitary Line			Gas Valve
Proposed Underground Electric & Telephone Lines	UE/T		Water Valve
Proposed Storm Inlet		Proposed Gas Meter	Water Meter
Proposed Sanitary Cleanout		Proposed Electric Meter	Fire Hydrant
Proposed Contour Line	66		Electric Meter
Proposed High Point		H.P.	Utility Pole
Contour Line	65		Guy Wire
Water Line	W	W	
Gas Line	G	G	
Overhead Electric, Telephone & Cable Line		E/T/C	Traffic Flow Arrow
Overhead Electric Line	E	E	Asphalt
Overhead Telephone Line	T	T	Concrete
Underground Electric Line	UE	UE	Landscaping
Storm Sewer	ST	ST	Sanitary Manhole
Sanitary Sewer	SA	SA	Cleanout
Depressed Curb			Storm Manhole
Chain Link Fence	X	X	Storm Inlet
Wooden/Vinyl Fence	□	□	Sign
Bollard	●		Illuminated Signs
Trees			Spot Elevation
Benchmark			+65.52
Right-of-Way	R/W		Existing Curb Elevations: TC=Top of Curb FC=Bottom of Curb
			65.11 TC 64.45 FC
			Existing Wall Elevations: TW=Top of Wall FW=Bottom of Wall
			68.13 TW 66.61 FW

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

CALL BEFORE YOU DIG !

MISS UTILITY PARTICIPANTS REQUEST
3 WORKING DAYS NOTICE BEFORE YOU DIG,
DRILL, OR BLAST - STOP CALL

Miss Utility of Maryland, Inc.



FOREST CONSERVATION WORKSHEET

		numbers that result from the calculations
Net Tract Area		
A.	<i>Total Tract Area</i>	A = 0.952 ac
B.	<i>Deductions</i> (Critical Area, area restricted by local ordinance or program)	B = 0
C.	<i>Net Tract Area</i> Net Tract Area (C) = Total Tract (A) - Deductions (B)	C = 0.952 ac
Land Use Category:		
D.	<i>Afforestation Threshold</i> (Net Tract Area [C] x 20 %)	D = 0.19
E.	<i>Conservation Threshold</i> (Net Tract Area [C] x 20 %)	E = 0.19
Existing Forest Cover		
F.	<i>Existing Forest Cover within the Net Tract Area</i>	F = 0
G.	<i>Area of Forest Above Conservation Threshold</i>	G = 0
If the Existing Forest Cover (F) is greater than the Conservation Threshold (E), then G = F - E; otherwise G = 0.		
Proposed Forest Clearing		
H.	<i>Total Area of Forest to be Cleared</i>	H = 0
I.	<i>Total Area of Forest to be Retained</i>	I = 0
I = Existing Forest Cover (F) - Forest to be Cleared (H)		
Planting Requirements		
J.	<i>Reforestation for Clearing Above the Conservation Threshold</i>	J = 0
(1) If the Total Area of Forest to be Retained (I) is <u>greater than</u> the Conservation Threshold (E), then J = the Area of Forest to be Cleared (H) x 1;		
(2) If the Forest to be Retained (I) is <u>less than or equal to</u> the Conservation Threshold (E), then J = Area of Forest Above Conservation Threshold (G) x 1		
K.	<i>Reforestation for Clearing Below the Conservation Threshold</i>	K = 0
(1) If Existing Forest Cover (F) is <u>greater than</u> the Conservation Threshold (E) <u>and</u> the Forest to be Retained (I) is <u>less than or equal to</u> the Conservation Threshold (E), then K = 2.0 x (Conservation Threshold (E) - Forest to be Retained (I))		
(2) If Existing Forest Cover (F) is <u>less than or equal to</u> the Conservation Threshold (E), then K = 2.0 x Forest to be Cleared (H)		
L.	<i>Total Reforestation Required</i> L = J + K	L = 0
M.	<i>Total Afforestation Required</i>	M = 0.19 ac
If Existing Forest Cover (F) is less than the Afforestation Threshold (D), then M = Afforestation Threshold (D) - Existing Forest Cover (F)		
<i>Total Planting Requirement</i>		N = L + M
Forest Conservation Worksheet		C:1

GENERAL NOTES

1. THIS SITE IS ZONED BCE, BUSINESS CORRIDOR ENHANCEMENT.
2. THE SOURCE OF THE PROPERTY BOUNDARIES ON THIS PLAN IS FROM DEED OF RECORD FOR PARCEL 2 OF THE PREMISES, RECORDED IN LIBER 5943, FOLIO 110.
3. THE TOPOGRAPHY SHOWN ON THIS PLAN IS FROM GPS OBSERVATIONS TAKEN ON APRIL 3-5, 2023 AND ARE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (GEOID 12a).
4. THE SOURCE OF THE SOILS INFORMATION ON THIS PLAN IS FROM THE USDA NRCS WEB SOIL SURVEY (WSS) IN A CUSTOM SOIL RESOURCE REPORT FOR AN AREA OF INTEREST (AOI) ESTABLISHED FOR THE SUBJECT SITE ONLY AND GENERATED ON SEPTEMBER 25, 2023.
5. NO REGULATED 100-YEAR FLOODPLAIN IS LOCATED ON-SITE.
6. NO WETLANDS OR STREAMS ARE LOCATED ON-SITE AS FIELD VERIFIED BY HOWARD G. MCILVRIED, PLS OF MDM SURVEYORS & ENGINEERS, LLC BASED ON FIELD WORK DONE FOR SURVEY ON APRIL 3-5, 2023.
7. THIS SITE DOES NOT CONTAIN WETLANDS OF SPECIAL STATE CONCERN AS DEFINED IN COMAR 26.23.06.01.
8. THIS SITE IS NOT LOCATED WITHIN A TIER II CATCHMENT AREA AND DOES NOT CONTAIN A TIER II WATERBODY AS DEFINED IN COMAR 26.08.02.04. THIS SITE IS LOCATED WITHIN AN IMPAIRED WATER BODY WITH A TOTAL MAXIMUM DAILY LOAD (TMDL) ALLOCATED FOR SEDIMENT, WHICH IS AFFORDED SPECIAL PROTECTION UNDER MARYLAND'S ANTI-DEGRADATION POLICY, OTHER TMDLS EXIST FOR THIS WATER BODY, INCLUDING FECAL COLIFORM BACTERIA, NITROGEN (NUTRIENTS), PHOSPHORUS (NUTRIENTS) AND PCB's.
9. THIS SITE IS NOT LOCATED WITHIN A STRONGHOLD WATERSHED AS ESTABLISHED BY THE MD DNR.
10. THIS SITE IS NOT WITHIN A SENSITIVE SPECIES PROTECTION REVIEW AREA BASED ON A REVIEW OF THE LIVING RESOURCES GIS LAYER PREPARED BY THE HERITAGE AND WILDLIFE SERVICE, MARYLAND DEPARTMENT OF NATURAL RESOURCES. THE PARCEL IS LOCATED IN THE MD AMPHIBIAN REPTILE ATLAS GRID #1412.
11. THE SITE DOES NOT INCLUDE FOREST INTERIOR DWELLING SPECIES HABITAT.
12. THERE ARE NO SPECIMEN, CHAMPION AND/OR HISTORIC TREES LOCATED ON THE PROPERTY.
13. THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A REGISTERED HISTORIC DISTRICT. THERE ARE NO HISTORIC SITES OR RESOURCES ON OR ADJACENT TO THE PROPERTY.
14. THERE ARE NO KNOWN ARCHAEOLOGICAL SITES LOCATED ON THE SUBJECT PROPERTY; HOWEVER, THE SUBJECT PROPERTY HAS NOT BEEN SURVEYED FOR ARCHAEOLOGICAL RESOURCES AND A PHASE I ARCHAEOLOGY REPORT MAY BE REQUIRED DURING SUBSEQUENT DEVELOPMENT REVIEW PROCESSES.
15. MARLBORO CLAY IS NOT FOUND TO OCCUR ON OR WITHIN THE VICINITY OF THIS PROPERTY. CHRISTIANA CLAY IS NOT FOUND TO OCCUR WITHIN THE VICINITY OF THIS PROPERTY. SITE SOILS INCLUDE URBAN LAND.

SOIL AND SLOPE INFORMATION

MAP UNIT SYMBOL	MAP UNIT NAME	K-FACTOR (EROSION FACTORS)		HYDRIC RATING	HYDROLOGIC SOIL GROUP RATING	DRAINAGE CLASS
		Kw	Kf			
Uz	URBAN LAND	NOT RATED	NOT RATED	NOT HYDRIC (0%)	D	NOT RATED

PLANT LIST

PLANT LIST				
KEY	BOTANICAL/COMMON NAME	SIZE	ROOT TYPE	REMARKS
AR	ACER RUBRUM 'RED SUNSET'	3" CAL. MIN. OR 12' HGT.	B & B	SHADE TOLERANT NATIVE SPECIES
	RED SUNSET MAPLE			
TA	TILLA AMERICANA	3" CAL. MIN. OR 12' HGT.	B & B	SHADE TOLERANT NATIVE SPECIES
	AMERICAN LINDEN			
QP	QUERCUS PALUSTRIS	3" CAL. MIN. OR 12' HGT.	B & B	SHADE TOLERANT NATIVE SPECIES
	PIN OAK			
CB	CARPINES BETULUS 'FASTIGIATA'	3" CAL. MIN. 8 - 10' HGT.	B & B	MINOR SHADE STREET TOLERANT
	EUROPEAN HORNBEAM			
MV	MAGNOLIA VIRGINIANA	2" CAL. MIN.	B & B	ORNAMENTAL NATIVE SPECIES
	SWEETBAY MAGNOLIA			
TO	THUJA OCCIDENTALES NIGRA	MIN. 4' @ PLANTING	B & B	EVERGREEN NATIVE SPECIES
	AMERICAN ARBORVITAE			
AG	ABELIA GRANDIFLORA	24" MIN. @ PLANTING	3 GAL.	DECIDUOUS
	GLOSSY ABELIA			
VA	VIBURNUM ACERIFOLIUM	24" MIN. @ PLANTING	3 GAL.	DECIDUOUS NATIVE SPECIES
	MAPLE-LEAVED ARROWWOOD			
WV	WEIGELA 'VICTORIA'	24" MIN. @ PLANTING	3 GAL.	DECIDUOUS
	WEIGELA			
KL	KALMIA LATIFOLIA	24" MIN. @ PLANTING	3 GAL.	EVERGREEN NATIVE SPECIES
	MOUNTAIN LAUREL			
PJ	PIERIS JAPONICA	24" MIN. @ PLANTING	3 GAL.	EVERGREEN
	JAPANESE ANDROMEDA			

PREPARED FOR: **AutoZone STORE DEVELOPMENT**

Store No.: 5884

1942 WEST STREET
CITY OF ANNAPOLIS, COUNTY OF ANNE ARUNDEL
STATE OF MARYLAND

FOREST CONSERVATION PLAN

SCALE: 1"=20'-0"	
REVISIONS	
1.	
2.	
DRAFTSMAN: CWT	
CHECKED BY: ESD	
DATE 7-15-2024	
 	
QUALIFIED PROFESSIONAL CERTIFICATION THIS COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE ENVIRONMENTAL TECHNICAL MANUAL.	
SIGNED:  JAMES HIMEJ, LICENSED FORESTER 20 NORTH BEAUMONT STREET CATIONSVILLE, MD 21228 PHONE: (410) 446-2366 EMAIL: himej@gmail.com	
DATE: <u>11/XX/2024</u>	

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