

SITE LOCATION MAP
SCALE: 1:24,000

ENVIRONMENTAL FEATURES

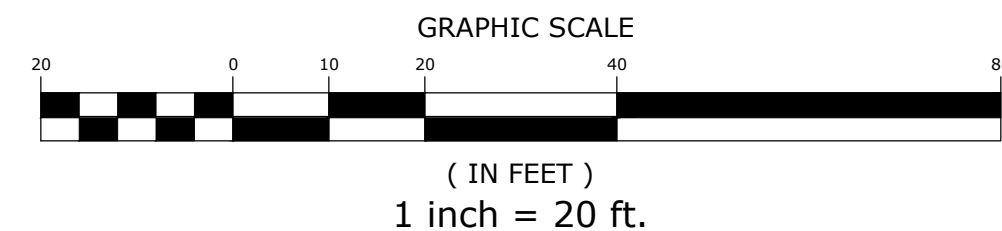
1. THERE ARE NO FOREST STANDS ON THIS SITE.
2. THERE ARE NO SPECIMEN TREES ON THIS SITE.
3. SOILS: (UZ) URBAN LAND.
4. THERE ARE NO SOIL STRUCTURAL LIMITATIONS ON THIS SITE.
5. THERE ARE NO HYDRIC SOILS ON THIS SITE.
6. THERE ARE SOILS WITH K VALUE >0.35 ON THIS SITE.
7. THERE ARE NO STEEP SLOPES >15% 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 HAZARDOUS, 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.

LANDSCAPE LEGEND

- SEED AREA
SEE SPECIFICATIONS
- MULCH AREA
SEE SPECIFICATIONS

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. FEELIEU REQUIRED: 0.09 AC



LEGEND OF SYMBOLS

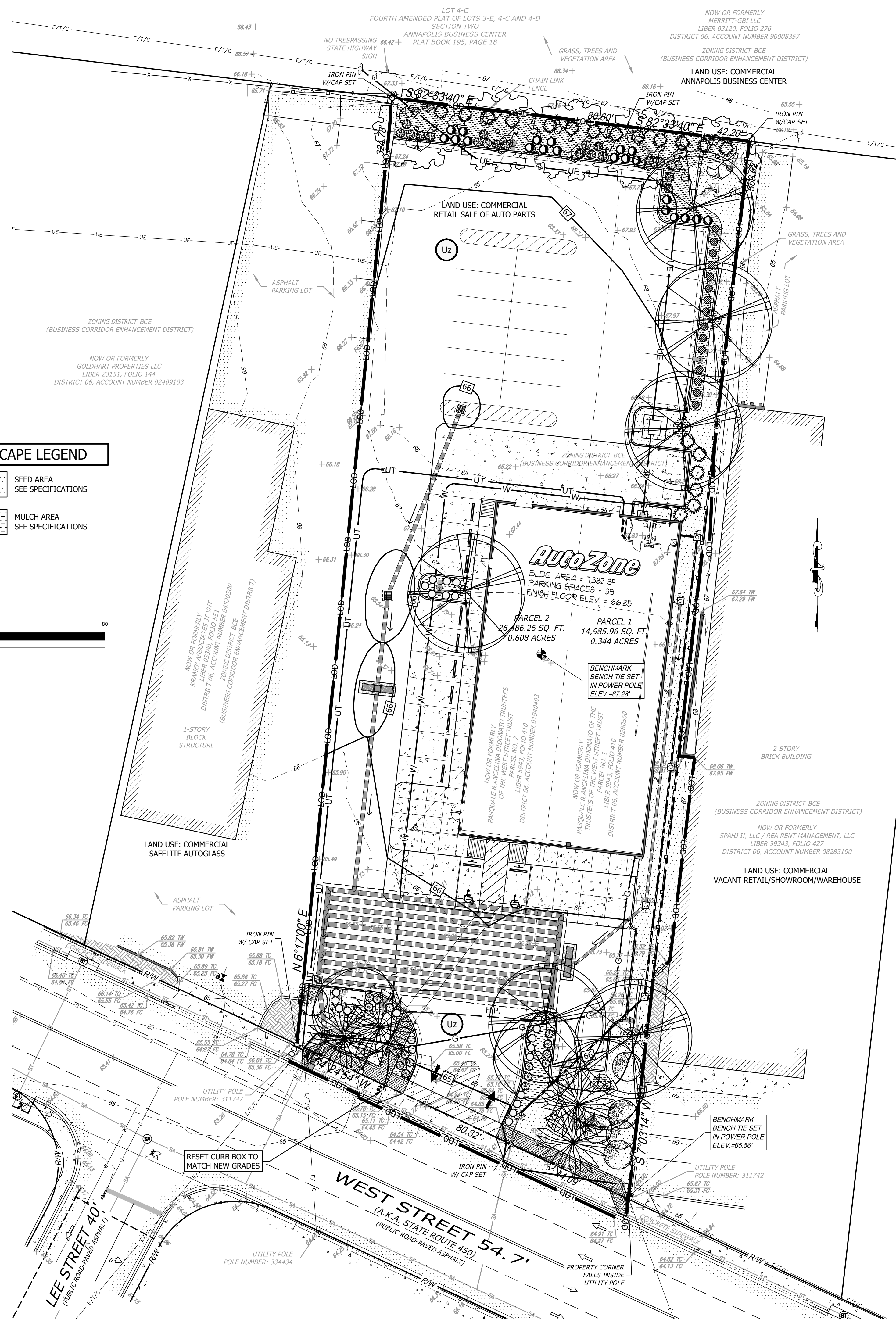
- Limit of Disturbance (LOD) — LOD
- Proposed Water Line — W
- Proposed Gas Line — G
- Proposed Sanitary Line — S
- Proposed Underground Electric & Telephone Lines — UE/T
- Proposed Storm Inlet
- Proposed Sanitary Cleanout
- Proposed Contour Line — 66
- Proposed High Point — H.P.
- Contour Line — 65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

Dig Serial No.: 23210996
Design Serial No.: 23211159

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.
1-800-257 7777

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.



FOREST CONSERVATION WORKSHEET

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

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 3943, 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 129).
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 THIS 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 PCBs.
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)	HYDROLOGIC RATING	HYDROLOGIC SOIL GROUP RATING	DRAINAGE CLASS
UZ	URBAN LAND	Kw NOT RATED, Kf NOT RATED	NOT RATED	NOT HYDRIC (0%)	D NOT RATED

PLANT LIST

SYMBOL	QTY.	KEY	BOTANICAL/COMMON NAME	SIZE	ROOT TYPE	REMARKS
AR	5	AR	ACER RUBRUM 'RED SUNSET'	3" CAL. MIN. OR 12' HGT.	B & B	SHADE TREE NATIVE SPECIES
TA	3	TA	TILIA AMERICANA	3" CAL. MIN. OR 12' HGT.	B & B	SHADE TREE NATIVE SPECIES
QP	6	QP	QUERCUS PALUSTRIS	3" CAL. MIN. OR 12' HGT.	B & B	SHADE TREE NATIVE SPECIES
CB	4	CB	CARPINUS BETULUS 'FASTIGIATA'	3" CAL. MIN. OR 12' HGT.	B & B	MINOR SHADE TREE STREET TREE
MV	6	MV	MAGNOLIA VIRGINIANA	2" CAL. MIN.	B & B	ORNAMENTAL TREE NATIVE SPECIES
TO	19	TO	THUJA OCCIDENTALIS NIGRA	MIN. 4" @ PLANTING	B & B	EVERGREEN TREE NATIVE SPECIES
AG	15	AG	ABELIA GRANDIFLORA	24" MIN. @ PLANTING	3 GAL.	DECIDUOUS SHRUB
VA	15	VA	VIBURNUM ACERIFOLIUM	24" MIN. @ PLANTING	3 GAL.	DECIDUOUS SHRUB NATIVE SPECIES
WV	20	WV	WEIGELA 'VICTORIA'	24" MIN. @ PLANTING	3 GAL.	DECIDUOUS SHRUB
KL	22	KL	KALMIA LATIFOLIA	24" MIN. @ PLANTING	3 GAL.	EVERGREEN SHRUB NATIVE SPECIES
PJ	21	PJ	PIERIS JAPONICA	24" MIN. @ PLANTING	3 GAL.	EVERGREEN SHRUB

Owner/Developer:
AutoZone Inc.
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
Tel: (901) 495-8709 Fax: (901) 495-8969
For Bidding & Contractor Information Contact:
F.W. Dodge Plan Room Tel: (615) 884-1017

MDM
SURVEYORS & ENGINEERS, LLC
Site Planners
1700 North Main Street
Wilmington, DE 19808
Ph: (724) 934-2810 Fax: (724) 934-2811
www.mdmllc.com

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 IS A TRUE AND CORRECT COPY OF THE ORIGINAL
AND THE ENVIRONMENTAL TECHNICAL MANUAL
SIGNED: *James H. Havel*
JAMES HAVEL, LICENSED FORESTER
20 NORTH BEAUMONT STREET
CATONSVILLE, MD 21228
DATE: 11/02/2024
EMAIL: jhavel@jrhavel.com

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