ATTACHMENT 03

1. SCOPE OF LANDSCAPE DRAWINGS ARE FROM BACK OF CURB AT ADJACENT STREETS TO THE FACE OF BUILDING.

2. DRAWINGS SHOW EXTENT, LOCATION, DIMENSIONS, RELATIONSHIPS AMONG VARIOUS PART, AND QUANTITY OF ITEMS. IN CASE OF CONFLICT THE SPECIFICATIONS SHALL GOVERN.

3. THE LARGER THE SCALE OF THE DRAWINGS, THE MORE PRECEDENCE: i.e. A 1 INCH PER FOOT SCALE DRAWING GOVERNS OVER A 10 FEET PER INCH DRAWING.

4. CONTRACT INCLUDES ALL DEMOLITION REQUIRED TO COMPLETE JOB AND TO REMOVE AND TO DISPOSE OF ITEMS FROM SITE COMPLETELY IN ACCORDANCE WITH LOCAL LAWS. DO NOT BURN OR BURY ANY DEMOLITION ITEMS ON SITE. CONTRACTOR IS RESPONSIBLE FOR MAKING SITE VISITS TO DETERMINE AND VERIFY ALL DEMOLITION REQUIREMENTS PRIOR TO BIDDING.

5. THE CONTRACTOR SHALL TAKE PROPER PRECAUTIONS NOT TO DAMAGE EXISTING ADJACENT FACILITIES AND STRUCTURES THAT ARE TO REMAIN. THE CONTRACTOR SHALL RESTORE AFFECTED FACILITIES, STRUCTURES AND DISTURBED AREAS TO THEIR ORIGINAL CONDITION (UNLESS OTHERWISE INDICATED) TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND OWNER. ADJACENT STREETS AND SIDEWALKS SHALL BE MAINTAINED IN A CLEAN CONDITION, MUD AND DUST FREE. ADEQUATE MEANS AND FACILITIES SHALL BE PROVIDED BY THE CONTRACTOR TO CLEAN TRUCKS AND OTHER EQUIPMENT LEAVING THE SITE.

6. THE EXISTING SURROUNDING FACILITIES ARE TO REMAIN IN OPERATION WHILE CONSTRUCTION WORK IS BEING DONE. ALL UTILITY WORK SHALL BE COORDINATED WITH THE OWNER AND LOCAL UTILITY COMPANIES AND SHALL BE PERFORMED IN AN EXPEDITIOUS MANNER.

7. UTILITIES SHOWN ON DRAWINGS ARE BASED ON PUBLISHED DATA AND ARE FOR CONTRACTOR'S CONVENIENCE ONLY. THE CONTRACTOR MUST LOCATE AND VERIFY ALL SUCH INFORMATION, INCLUDING INFORMATION NOT SHOWN ON PLANS, BY CONTACTING THE INDIVIDUAL UTILITY COMPANY AND INVESTIGATING THE SITE TO DETERMINE THE EXACT LOCATION OF RESPECTIVE UTILITY LINES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS OWN EXPENSE, AND TO THE SATISFACTION OF THE PROJECT OWNER & THE UTILITY OWNER, DAMAGE TO ANY UTILITY CAUSED BY HIS WORK. HE SHALL IMMEDIATELY NOTIFY THE OWNER AND THE UTILITY OWNER OF ANY DAMAGE TO ANY UTILITY BY REASON OF HIS OPERATION.

8. DO NOT SCALE DRAWINGS. FOLLOW MEASUREMENTS AND DIMENSIONS PROVIDED ON DRAWINGS. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF DISCREPANCIES BETWEEN PLAN DIMENSIONS AND ACTUAL DIMENSIONS ARE ENCOUNTERED. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO VERTICAL AND HORIZONTAL START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION.

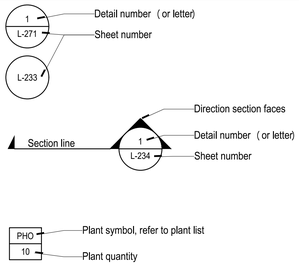
9. POSITIVE DRAINAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PONDING OR STANDING WATER WILL NOT BE PERMITTED.

10. FINAL GRADES SHALL MAINTAIN POSITIVE DRAINAGE FROM BUILDING AND SEISMIC JOINTS AT ALL AREAS, LANDSCAPED OR HARDSCAPED.

11. CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OF ANY DEVIATION FROM THESE PLANS PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THESE PLANS WITHOUT WRITTEN AUTHORIZATION FROM CONTRACTING OFFICER WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND CORRECTIONS SHALL BE MADE BY THE CONTRACTOR AT NO COST TO THE OWNER.

12. SEED ALL AREAS WITHIN THE LIMITS OF DISTURBANCE THAT ARE NOT PAVED, PLANTED, MULCHED OR SPECIFICALLY NOTED AS "TURF". SEED AND STABILIZE, PER THE SPECIFICATIONS, ALL GRADED SLOPES, UNLESS SPECIFICALLY NOTED AS "TURF". RESTORE, PER THE SPECIFICATIONS, ALL EXISTING LAWNS DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS.

Reference Symbols



MARK	DATE	BY	DESCRIPTION
REVISIONS			

RHODESIDE HARWELL
LANDSCAPE ARCHITECTURE
PLANNING/URBAN DESIGN
510 KING ST. SUITE 300
ALEXANDRIA, VA 22314
347 W 36TH ST. SUITE 1201
NEW YORK, NY 10018
T 703.683.2417
F 703.683.7449

DATE	04.12.2024
PROJECT	21115-00
DESIGNED	KF
DRAWN	YK
CHECKED	KF

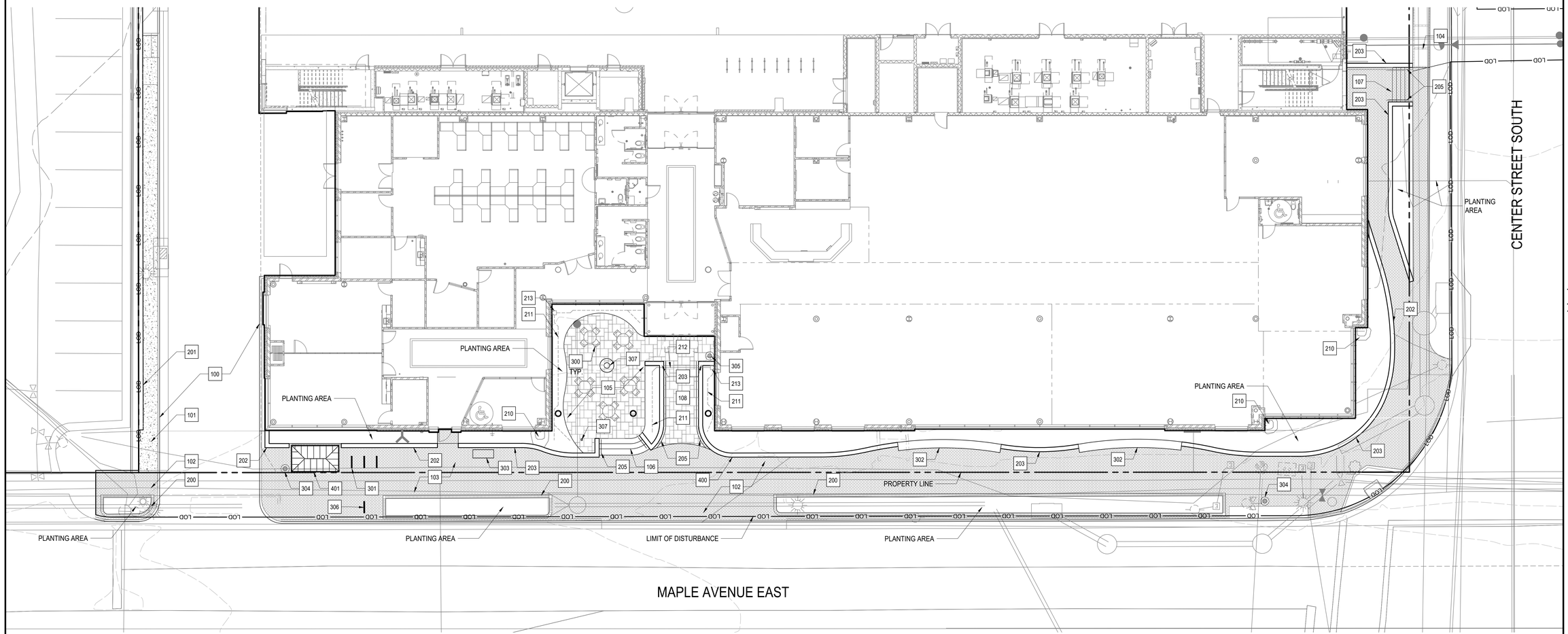
RRMM ARCHITECTS, PC
2900 South Quincy Street, Suite 710
Arlington, Virginia 22206
(703)998-0101

NOT FOR CONSTRUCTION

PROJECT
Fairfax County Board of Supervisors
PATRICK HENRY LIBRARY AND GARAGE
101 Maple Ave. East
Vienna, VA 22180

DRAWING
GENERAL LANDSCAPE NOTES

SHEET
L-001



NORTH

0' 5' 10' 20'
Scale: 1"=10'

LEGEND

- 100 ASPHALT PAVING; REF CIVIL
- 101 CONCRETE PAVING; REF CIVIL
- 102 BRICK PAVING; REF CIVIL
- 103 REINSTALLED SALVAGE DEDICATION BRICKS; REF CIVIL
- 104 CONCRETE PAVING W/ BRICK BANDING; REF CIVIL
- 105 UNIT PAVING (1-3 / L-500)
- 106 CAST STONE STEPS (9 / L-500)
- 107 CONCRETE STEPS (10 / L-500)
- 108 UNIT PAVING RAMP
- 200 BRICK PLANTER CURB; REF CIVIL
- 201 RETAINING WALL; REF. CIVIL
- 202 LIBRARY PLANTER CURB (2 / L-501)
- 203 PLANTER WALL (3 / L-501)
- 205 HANDRAIL (8 / L-500)
- 210 SPLASH BLOCK (4 / L-500)
- 211 3" PVC PERFORATED IRRIGATION PIPE (6, 7 / L-500)
- 212 3" PVC IRRIGATION PIPE IN CONDUIT UNDER PAVING
- 213 DOWNSPOUT CATCH BASIN (5 / L-500)
- 300 TABLE & CHAIRS (10 / L-501)
- 301 BIKE RACKS; REF CIVIL
- 302 WALL TOP BENCH - BACKED (4-9 / L-501)
- 303 RELOCATED COMMEMORATIVE BENCH
- 304 TRASH RECEPTACLE TYPE 1 (1 / L-501)
- 305 TRASH RECEPTACLE TYPE 2 (1 / L-501)
- 306 RELOCATED ROTARY INTERNATIONAL STREET ART
- 307 PUBLIC ART FEATURE; N.I.C.
- 308 25' FLAG POLE W/ LIGHTS; REF ARCH
- 400 LIBRARY SIGN; REF ARCH
- 401 RELOCATED BUS SHELTER; REF CIVIL

MARK	DATE	BY	DESCRIPTION
			REVISIONS

RHODESIDE HARWELL
LANDSCAPE ARCHITECTURE
PLANNING/URBAN DESIGN
510 KING ST. SUITE 300
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NEW YORK, NY 10018
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DATE	04.12.2024
PROJECT	21115-00
DESIGNED	KF
DRAWN	YK
CHECKED	KF

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(703)998-0101

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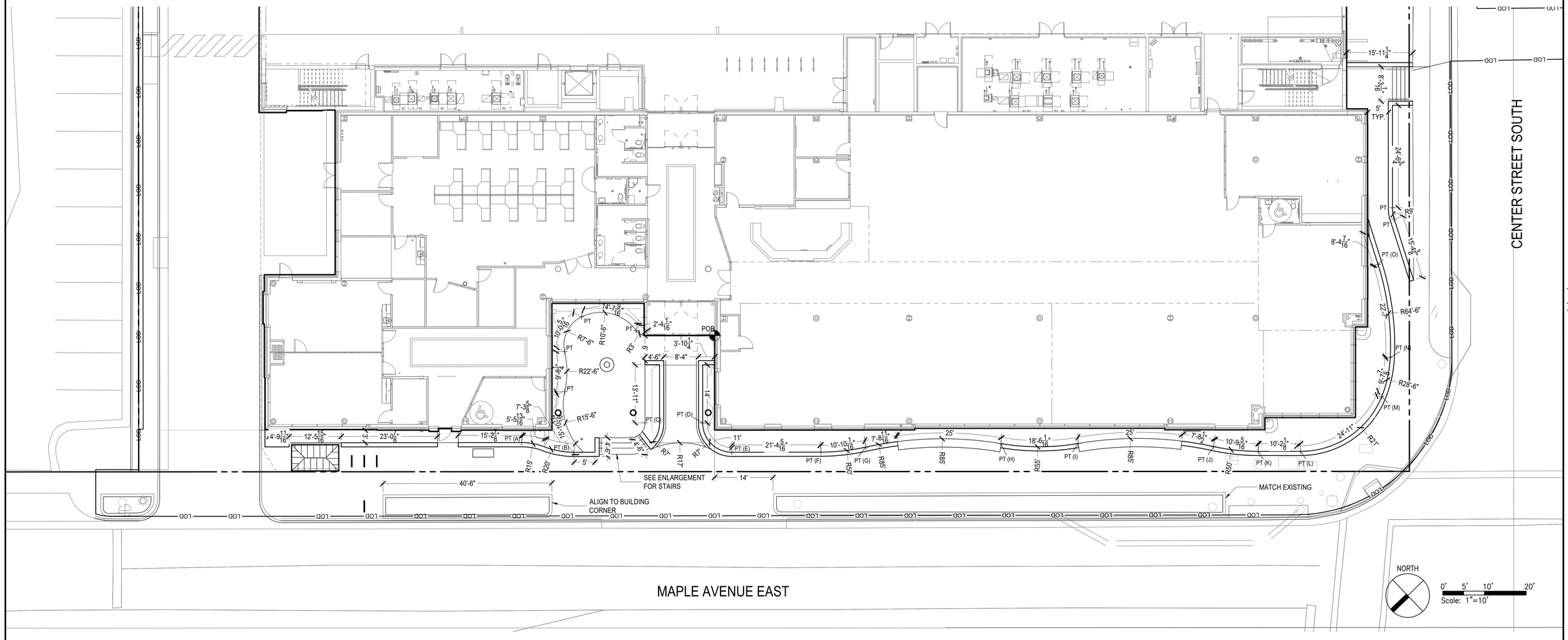
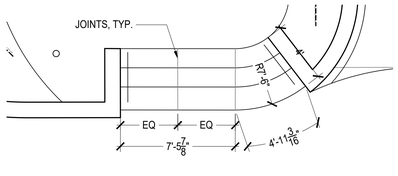
DRAWING STREETSCAPE PLAN

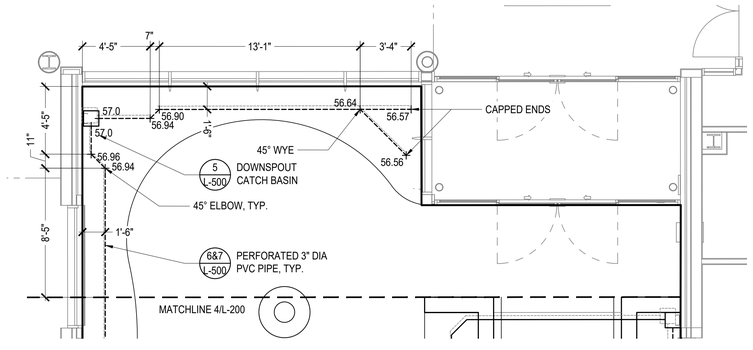
SHEET
L-100



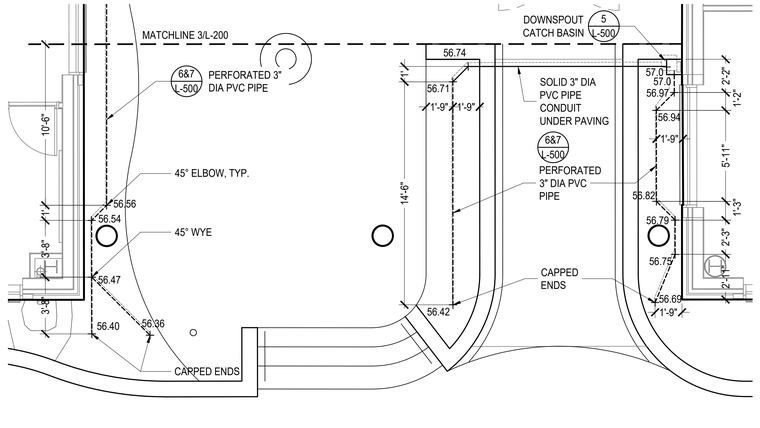
1 STREETSCAPE LAYOUT PLAN
1"=10'



2 PATIO STAIR ENLARGEMENT
1/4"=1'



3 IRRIGATION ENLARGEMENT SOUTH
1/4"=1'



4 IRRIGATION ENLARGEMENT NORTH
1/4"=1'

MARK	DATE	REVISIONS
		DESCRIPTION
		BY

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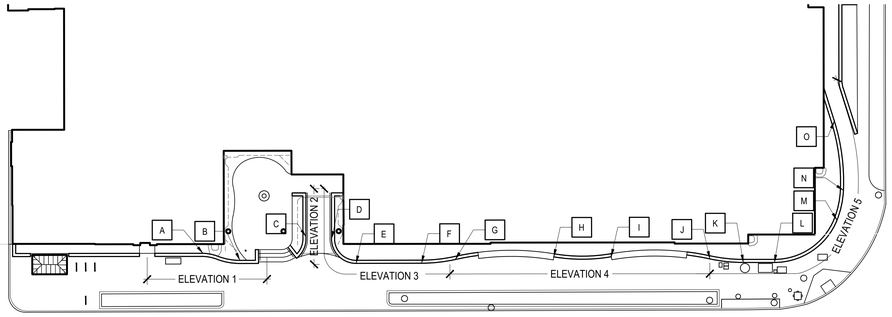
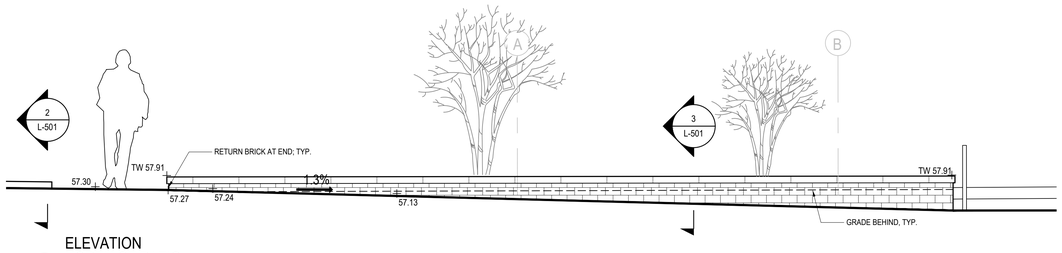
DRAWING
LAYOUT & PATIO IRRIGATION PLAN

SHEET
L-200

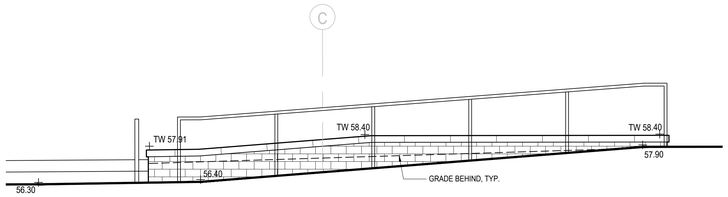


KEY PLAN
1"=20'

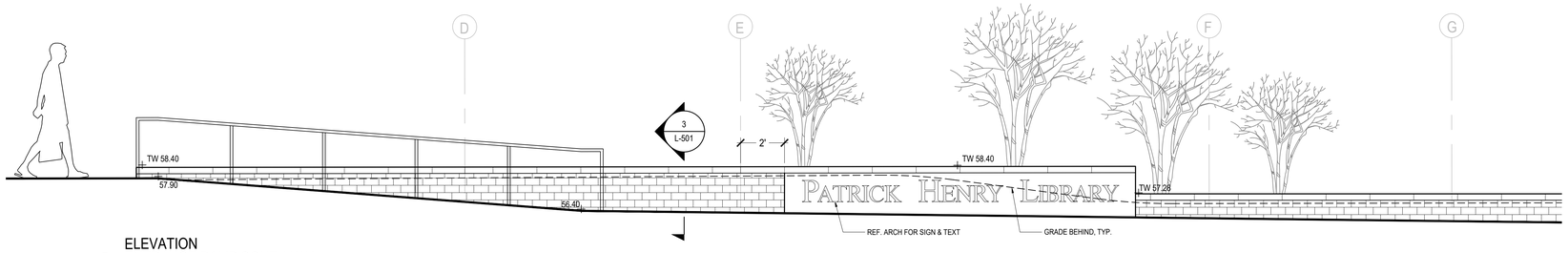
NOTE:
REFERENCE POINTS ARE POINT OF TANGENCY (PT) ALONG THE WALL. REFER L-200.



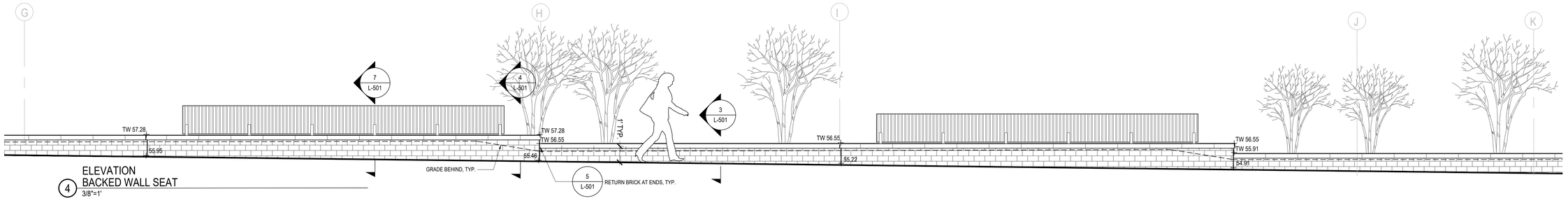
1 ELEVATION
NORTH OF PATIO
3/8"=1'



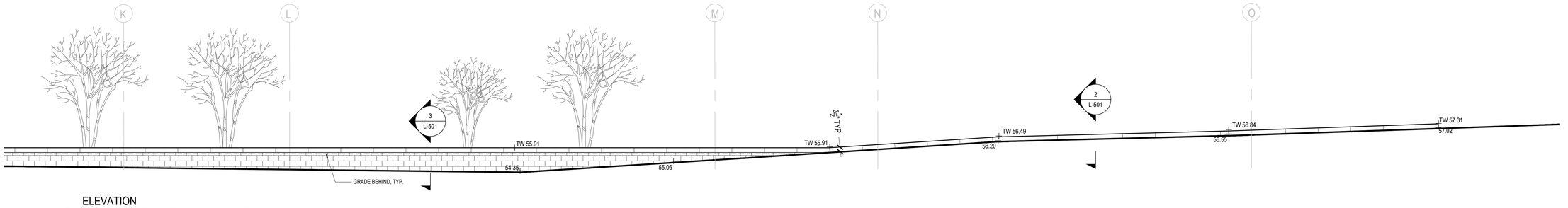
2 ELEVATION
ENTRANCE RAMP NORTH WALL
3/8"=1'



3 ELEVATION
ENTRANCE RAMP SOUTH WALL
3/8"=1'



4 ELEVATION
BACKED WALL SEAT
3/8"=1'



5 ELEVATION
INTERSECTION @ CENTER STREET
3/8"=1'

MARK	DATE	REVISIONS	BY	DESCRIPTION

RHODESIDE HARWELL
LANDSCAPE ARCHITECTURE
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DESIGNED	KF		
DRAWN	YK		
CHECKED	KF		

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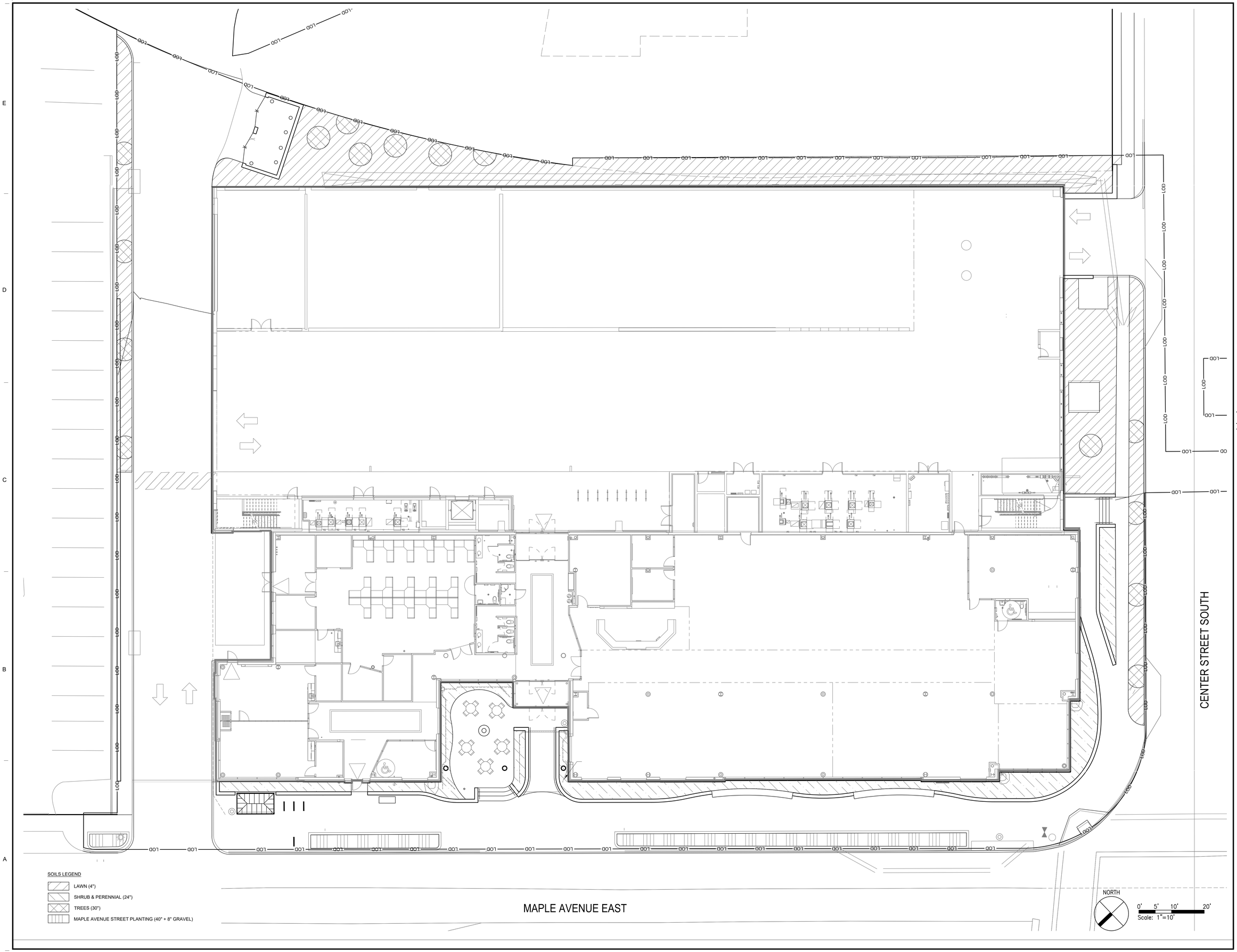
DRAWING
ELEVATION

SHEET
L-300



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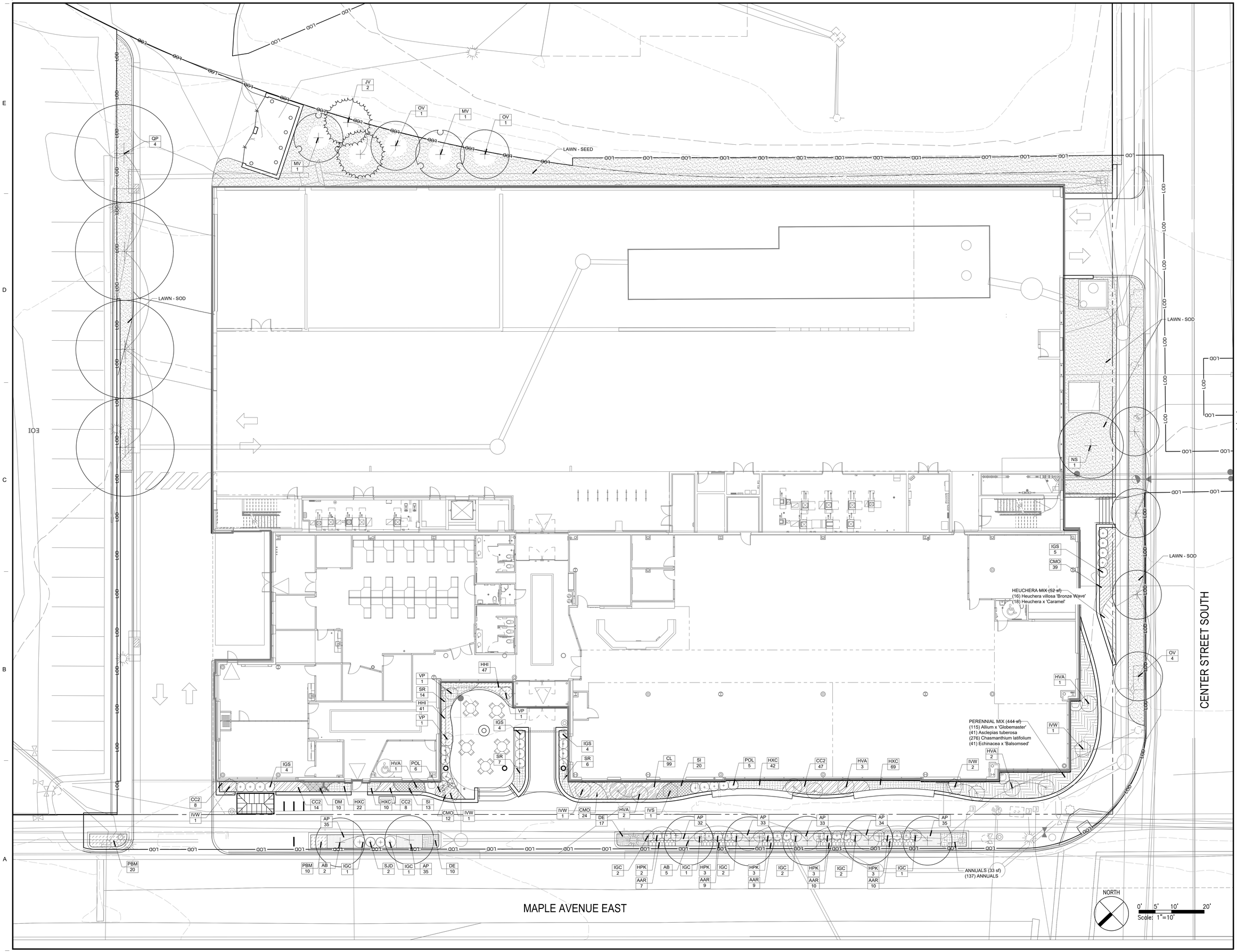
DRAWING
SOILS PLAN

SHEET
L-400



MARK	DATE	BY	DESCRIPTION
			REVISIONS

RHODESIDE HARWELL
LANDSCAPE ARCHITECTURE
PLANNING/URBAN DESIGN
510 KING ST. SUITE 300
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DATE	04.12.2024
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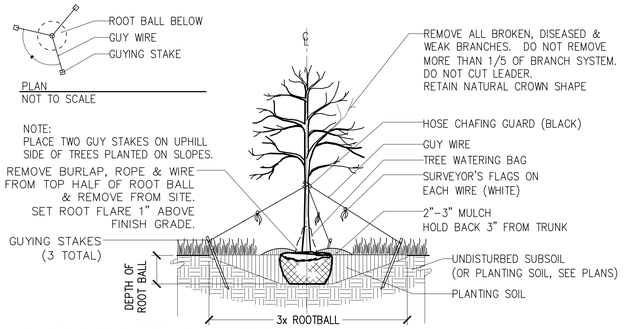
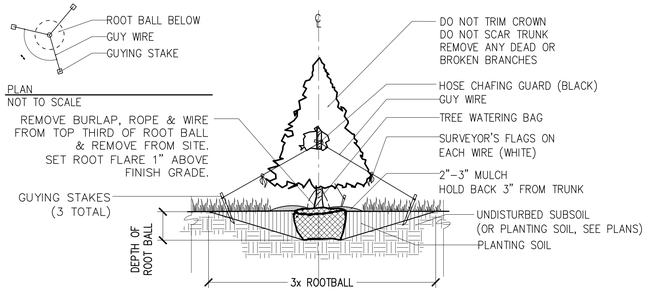
DRAWING
PLANTING PLAN

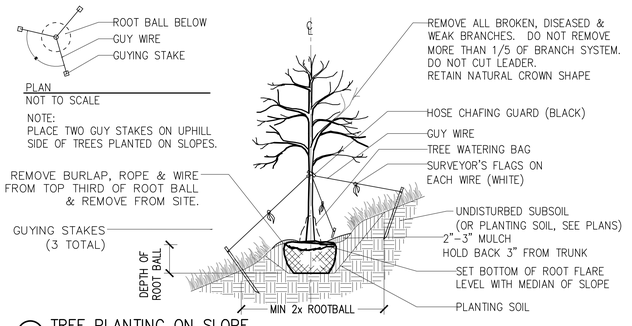
SHEET
L-410



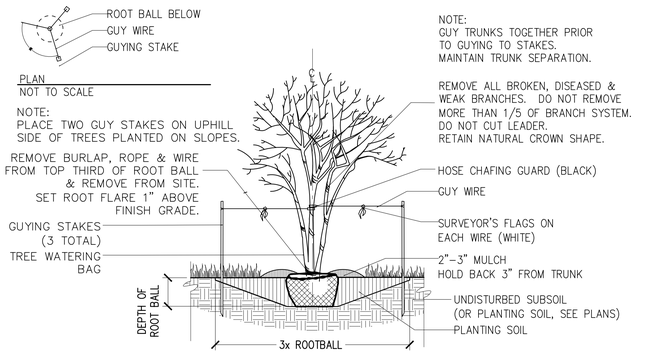
1 DECIDUOUS TREE PLANTING DETAIL
NTS



2 EVERGREEN TREE PLANTING DETAIL
NTS

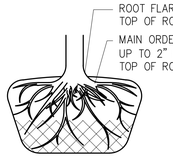


3 TREE PLANTING ON SLOPE
NTS (de50a)



4 MULTI-STEM TREE PLANTING DETAIL
NTS (de--o)

ACCEPTABLE:



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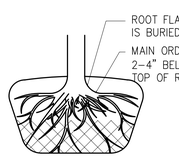

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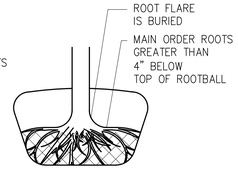
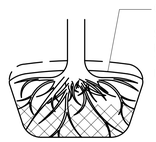
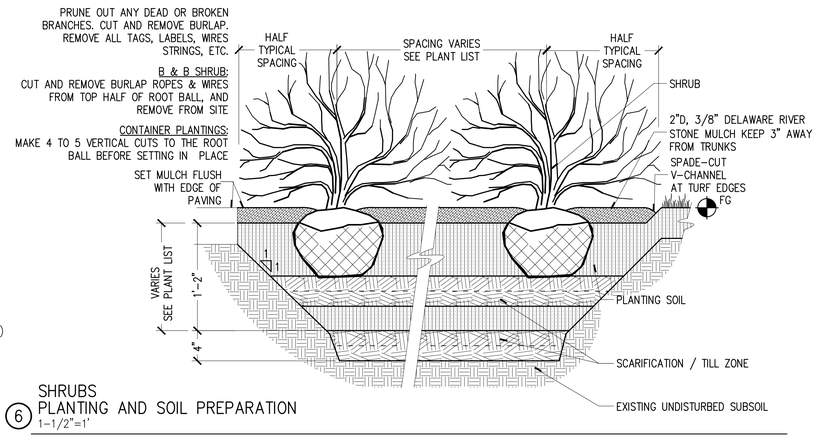


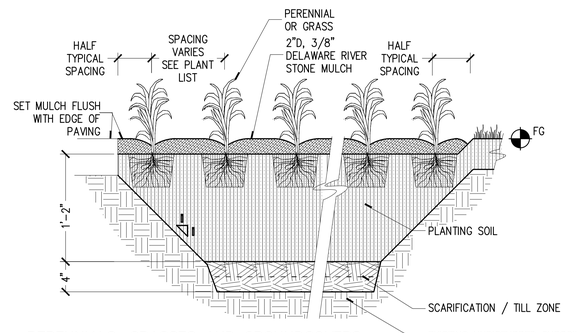


NOTE: ALL ROOTBALLS MUST MEET ANSI SIZE REQUIREMENTS

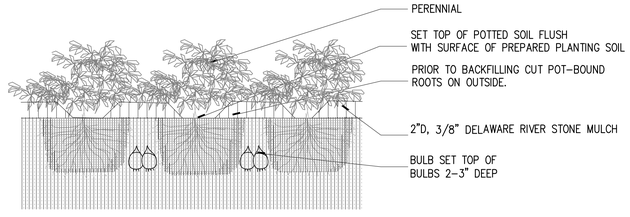
TREE ROOT FLARE & ROOT BALL REQUIREMENTS
5 N.T.S.



SHRUBS
6 PLANTING AND SOIL PREPARATION
1-1/2"=1'

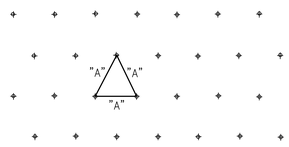


PERENNIALS, GRASSES AND GROUNDCOVERS PLANTING AND SOIL PREPARATION
7 1-1/2"=1'



8 TYPICAL PERENNIAL & BULB PLANTING
NTS

9 PLANT KEY REFERENCE
N.T.S.



"A" REPRESENTS ON-CENTER PLANT SPACING, REFER TO PLANT LIST

INSTALL ALL SHRUBS AND GROUNDCOVERS USING TRIANGULAR SPACING UNLESS OTHERWISE SPECIFIED.

10 PLANT SPACING LAYOUT
NTS

PLANT SCHEDULE

	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	REMARKS
1, 4 & 5 / L-411	DEICUDOUS TREES							
	AB	7	Acer buergerianum	Trident Maple	2" Cal.	B&B		B&B, 12' ht., single-stem, straight leader
	MV	2	Magnolia virginiana	Sweetbay Magnolia	12' Ht.	B&B		B&B, Multi-stem, min 3
	NS	1	Nyssa sylvatica	Tupelo	2" Cal.	B&B		B&B, 10' ht, single-stem, straight leader
	OV	6	Ostrya virginiana	American Hophornbeam	2" Cal.	B&B		B&B, 10' ht, single-stem, straight leader
	QP	4	Quercus phellos	Willow Oak	2" Cal.	B&B		B&B, 12'ht, single-stem, straight leader
2 & 5 / L-411	EVERGREEN TREES							
	JV	2	Juniperus virginiana	Eastern Redcedar	6` Ht.	B&B		B&B, Strong Single Leader
6 / L-411	SHRUBS							
	HVA	9	Hamamelis vernalis 'Amethyst'	Amethyst Ozark Witch Hazel	4` Ht.	Cont.	60" o.c.	Multi-stem, min 3
	HPK	14	Hydrangea paniculata 'Kolmavesu'	Lavalamp Flare™ Panicle Hydrangea	2.5` Ht.	Cont.	36" o.c.	Full and heavy
	IGC	12	Ilex glabra 'Compacta'	Compact Inkberry	3` Ht.	Cont.	42" o.c.	Full and heavy
	IGS	17	Ilex glabra 'Shamrock'	Shamrock Inkberry Holly	2` Ht.	Cont.	36" o.c.	Full and heavy
	IVS	1	Ilex verticillata 'Southern Gentleman'	Southern Gentleman Winterberry	4` Ht.	Cont.	60" o.c.	Multi-stem, min 3
	IVW	6	Ilex verticillata 'Winter Gold'	Winter Gold Winterberry	4` Ht.	Cont.	60" o.c.	Multi-stem, min 3
	POL	11	Physocarpus opulifolius 'Little Devil'	Little Devil™ Dwarf Ninebark	2` Ht.	Cont.	36" o.c.	Full and heavy
	SJD	2	Spiraea japonica 'SMNSJMFP'	Double Playdi Pink Spirea	2.5` Ht.	Cont.	36" o.c.	Full and heavy
	SR	27	Sarcococca ruscifolia	Fragrant Sweetbox	1 gal.	Pot	24" o.c.	Full and heavy
	VP	3	Viburnum prunifolium	Blackhaw Viburnum	5` Ht.	Pot	As Shown	Multi-stem, min 3
7 / L-411	PERENNIALS & GRASSES							
	AAR	45	Astilbe x arendsii 'Rheinland'	Rhienland Astilbe	1 gal.	Cont.	18" o.c.	
	CC2	77	Carex cherokeensis	Cherokee Sedge	1 gal.	Cont.	18" o.c.	
	CMO	75	Carex muskingumensis 'Oehme'	Oehme Palm Sedge	1 gal.	Cont.	18" o.c.	
	CL	99	Chasmanthium latifolium	Northern Sea Oats	1 gal.	Cont.	12" o.c.	
	DE	27	Dicentra eximia	Fringed Bleeding Heart	1 gal.	Cont.	18" o.c.	
	DM	10	Dryopteris marginalis	Marginal Shield Fern	1 gal.	Cont.	18" o.c.	
	HHI	88	Helleborus x hybridus 'Ivory Prince'	Ivory Prince Hellebore	1 Qt.	Pot	12" o.c.	
	HXC	143	Heuchera x 'Caramel'	Caramel Coral Bells	1 gal.	Cont.	12" o.c.	
	PBM	30	Phlox glaberrima 'Morris Berd'	Morris Berd Marsh Phlox	1 gal.	Cont.	18" o.c.	
	SI	33	Scutellaria incana	Downy Skullcap	1 gal.	Cont.	18" o.c.	
7 & 8 / L-411	MIX PLANTING							
	HEUCHERA MIX							
	HVB	16	Heuchera villosa 'Bronze Wave'	Bronze Wave Hairy Alumroot	1 gal.	Cont.	66% @ 18" o.c.	
	HXC	18	Heuchera x 'Caramel'	Caramel Coral Bells	1 gal.	Cont.	33% @ 12" o.c.	
	PERENNIAL MIX							
	AXG	115	Allium x 'Globemaster'	Globemaster Ornamental Onion	Top Size	Bulb	24" o.c.	Top size
	AT	41	Asclepias tuberosa	Butterfly Milkweed	1 gal.	Cont.	20% @ 18" o.c.	
	CL	276	Chasmanthium latifolium	Northern Sea Oats	1 gal.	Cont.	60% @ 12" o.c.	
	EXB	41	Echinacea x 'Balsomsed'	Sombrero® Salsa Red Coneflower	1 gal.	Cont.	20% @ 18" o.c.	
	ANNUALS							
	ANN	137	ANNUALS	ANNUALS	flat	Cont.	6" o.c.	
8 / L-411	BULBS							
	AP	237	Allium x 'Purple Sensation'	Purple Sensation Ornamental Onion	Top Size	Bulb	12" o.c.	Top size

LAWN
Refer specifications for species mix.

20-YEAR CANOPY CALCULATIONS:

CANOPY COVER REQUIRED: SITE AREA = 62,326 SF x 0.10 = 6,233 SF
CANOPY COVER PROVIDED (SEE BELOW) = 2600 SF; MODIFICATION HEREBY REQUESTED

SYMBOL	BOTANICAL NAME	COMMON NAME	ROOT	QTY	10 YEAR CANOPY
MV	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	B&B	2	400 SF
NS	NYSSA SYLVATICA	TUPELO	B&B	1	200 SF
OV	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	B&B	2	400 SF
OV	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	B&B	4	800 SF (*NOT INCLUDED)
QP	QUERCUS PHELLOS	WILLOW OAK	B&B	4	1,200 SF
JV	JUNIPERUS VIRGINIANA	EASTERD REDCEDAR	B&B	2	400 SF

*NOTE THAT 800 SF OF STREET TREE CANOPY ALONG CENTER STREET HAS BEEN PROVIDED TO MITIGATE THE DEFICIT OF ONSITE CANOPY COVERAGE.
REF C-102 FOR LETTER REQUESTING WAIVER TO THE TREE CANOPY REQUIREMENTS.

MARK	DATE	REVISIONS BY	DESCRIPTION

RHODESIDE HARWELL
LANDSCAPE ARCHITECTURE
PLANNING/URBAN DESIGN
510 KING ST. SUITE 300
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347 W 36TH ST. SUITE 1201
NEW YORK, NY 10018
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DATE	04.12.2024
PROJECT	21115-00
DESIGNED	KF
DRAWN	YK
CHECKED	KF

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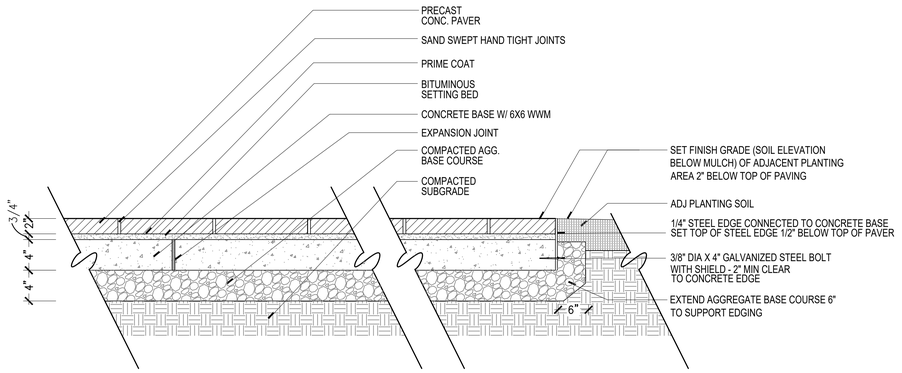
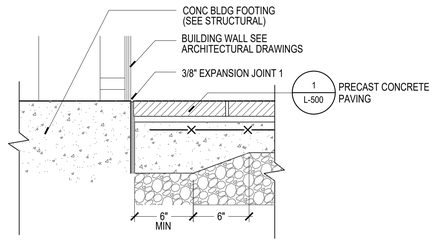
PROJECT
Fairfax County Board of Supervisors
PATRICK HENRY LIBRARY AND GARAGE
101 Maple Ave. East
Vienna, VA 22180

DRAWING
PLANTING DETAILS & SCHEDULE

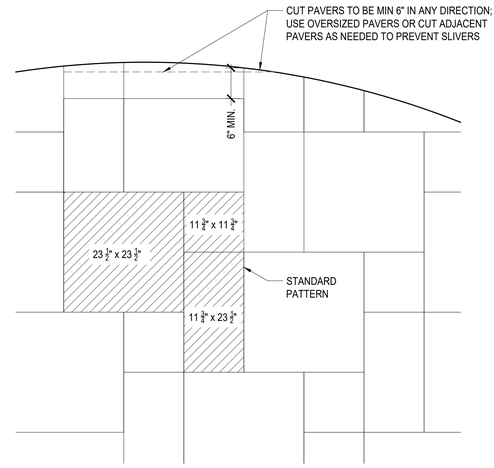
SHEET
L-411



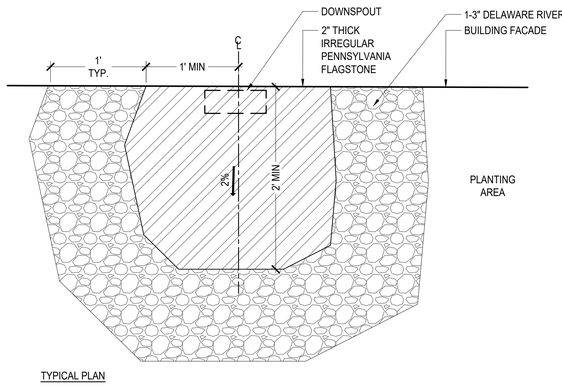
1 PRECAST CONCRETE PAVING
1-1/2"=1'



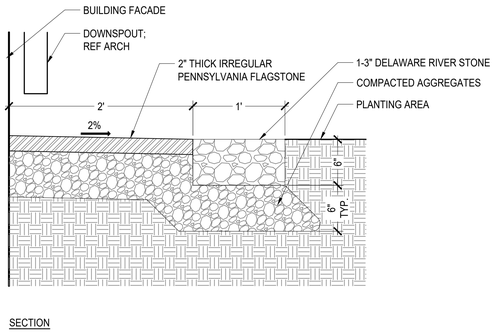
2 PRECAST CONCRETE PAVING AT BUILDING WALL
1-1/2"=1'



3 PAVING PLAN
NOT TO SCALE

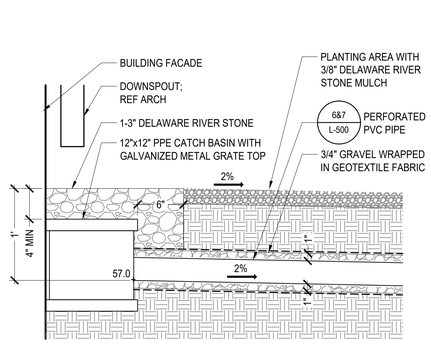


TYPICAL PLAN

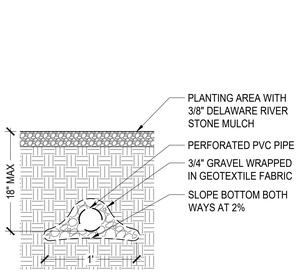


SECTION

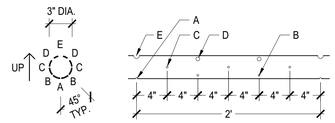
4 SPLASH BLOCK, TYP.
1-1/2"=1'



5 ROOF DRAIN CATCH BASIN AT PATIO
1-1/2"=1'



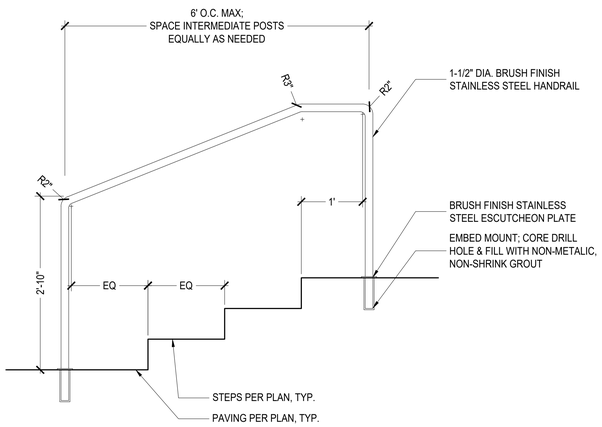
6 PERFORATED IRRIGATION PIPE
1-1/2"=1'



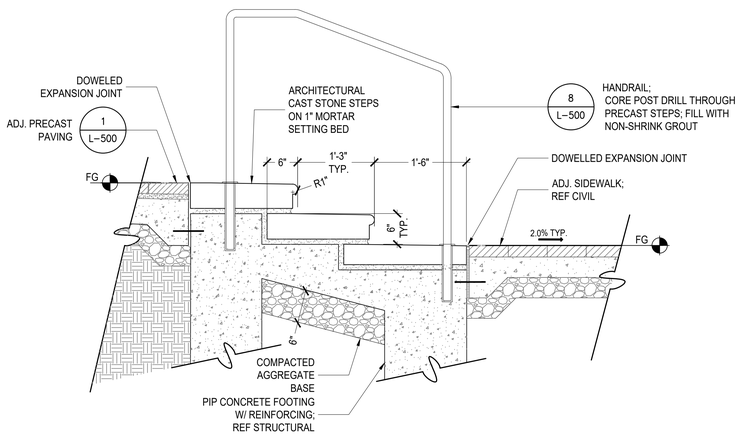
SECTION ELEVATION

7 PERFORATED IRRIGATION PIPE
1-1/2" = 1'-0"

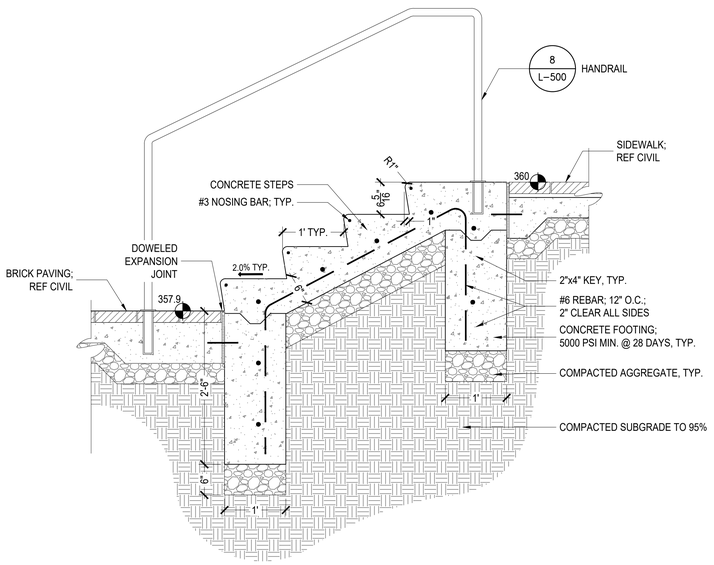
PERFORATION SCHEDULE		
HOLE TYPE	DIA	O.C. SPACING
A	1/4"	2'
B	1/4"	8" (SET OF 2 HOLES AT 8" O.C. CENTERED BETWEEN HOLES OF TYPE A)
C	1/4"	8"
D	1/4"	8"
E	1/4"	2'



8 TYPICAL HANDRAIL *TO BE APPROVED BY FUTURE BAR REVIEW.
1"=1'



9 CAST STONE STEPS AT PATIO
1"=1'



10 CIP CONCRETE STEPS AT CENTER STREET SOUTH
1"=1'

MARK	DATE	DESCRIPTION
		REVISIONS
	BY	

RHODESIDE HARWELL
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PLANNING/URBAN DESIGN
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PROJECT	21115-00		
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DRAWN	YK		
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PROJECT
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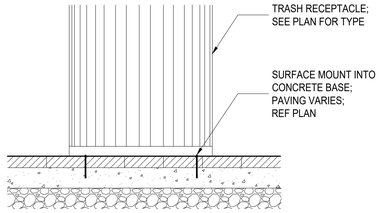
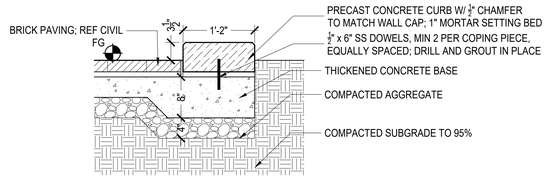
101 Maple Ave. East
Vienna, VA 22180
DRAWING
DETAILS

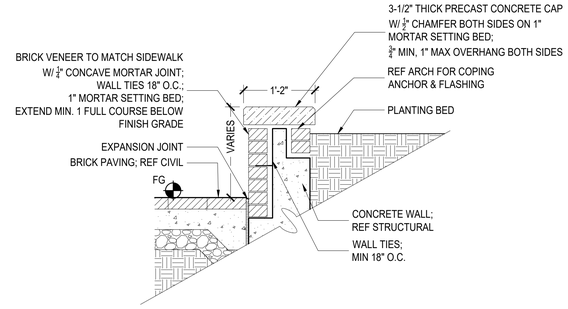
SHEET
L-500



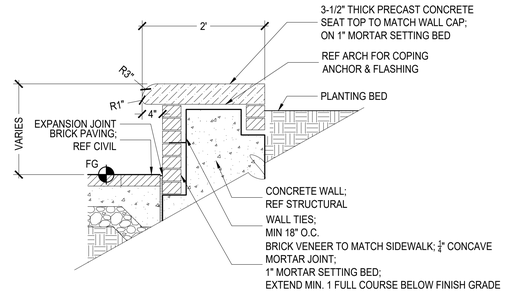
1 TRASH RECEPTACLE *TO BE APPROVED BY FUTURE BAR REVIEW.
1"=1'



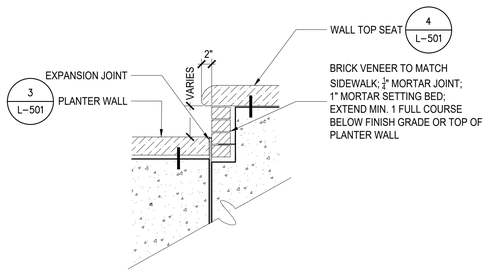
2 LIBRARY PLANTER CURB *TO BE APPROVED BY FUTURE BAR REVIEW.
1"=1'



3 PLANTER WALL VENEER & CAP *TO BE APPROVED BY FUTURE BAR REVIEW.
1"=1'

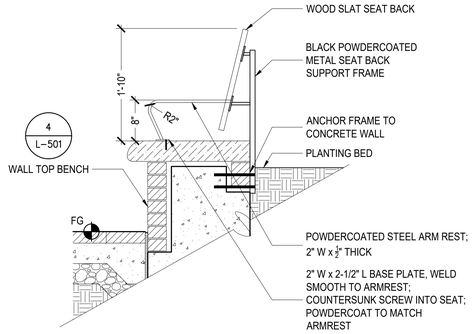


4 WALL TOP BENCH - VENEER & SEAT *TO BE APPROVED BY FUTURE BAR REVIEW.
1"=1'



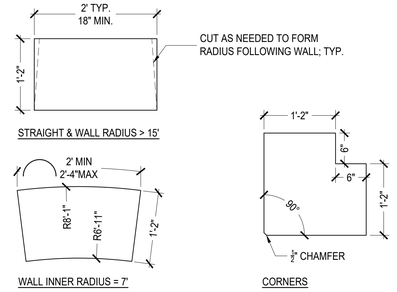
*TO BE APPROVED BY FUTURE BAR REVIEW.

5 WALL TOP BENCH AT PLANTER WALL
1"=1'



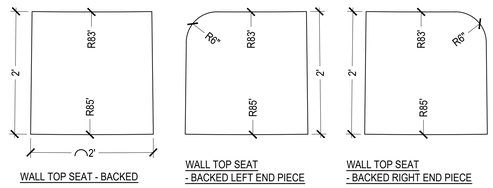
*TO BE APPROVED BY FUTURE BAR REVIEW.

6 WALL TOP BENCH - BACKED
1"=1'

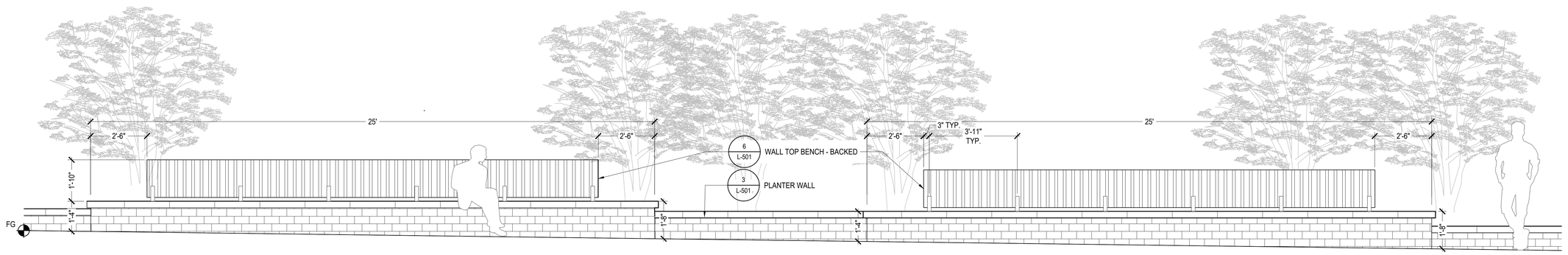


*TO BE APPROVED BY FUTURE BAR REVIEW.

7 PLANTER WALL COPING & LIBRARY PLANTER CURB PLAN DIMENSIONS
1"=1'

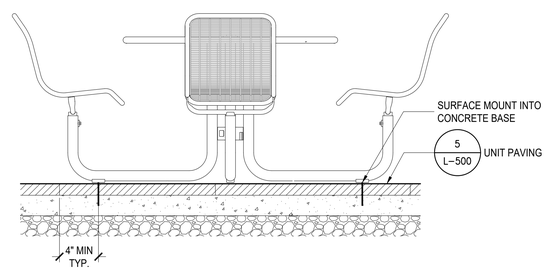


8 WALL TOP BENCH - BACKED
COPING PLAN DIMENSIONS *TO BE APPROVED BY FUTURE BAR REVIEW.
1"=1'



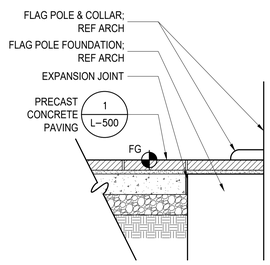
9 WALL TOP BENCH - BACKED ELEVATION *TO BE APPROVED BY FUTURE BAR REVIEW.
1/2"=1'

MODEL: CAROUSEL TABLE W/ FIXED SEATING
MANUFACTURER: LANDSCAPE FORMS
OPTIONS: 4 SEAT, BACKED
MOUNTING: SURFACE MOUNT



MOUNTING DETAIL
1" = 1'-0"

10 TABLE & CHAIRS *TO BE APPROVED BY FUTURE BAR REVIEW.
NOT TO SCALE



11 PAVING AT FLAG POLE
1"=1'

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DRAWN	YK
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PROJECT
Fairfax County Board of Supervisors
PATRICK HENRY LIBRARY AND GARAGE
101 Maple Ave. East
Vienna, VA 22180

DRAWING
DETAILS

SHEET
L-501

Wetland Studies and Solutions, Inc.
a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

WSSI #: 32711.01

MARK	DATE	BY	DESCRIPTION
			REVISIONS

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ISA# PD-1080A

#128 CENTER STREET SE
TAX MAP #0384 02 0141
SCHOOL BOARD OF FAIRFAX COUNTY
D.B. 1468 PG. 20
ZONED: C-2, RM-2

#133 MAPLE AVE E
TAX MAP #0384 54 0206
EAST MAPLE, LLC
D.B. 24769 PG. 24
ZONED: C-2

#101 MAPLE AVENUE E
TAX MAP #0384 02 0142
BOARD OF COUNTY SUPERVISORS
OF FAIRFAX COUNTY, VIRGINIA
D.B. 20881 PG. 379
ZONED: C-2

PROPOSED OFFSITE ACCESS AND TURNAROUND EASEMENT (IN FAVOR OF THE LIBRARY)

OFFSITE TREES REQUIRE TREE-OWNER'S PERMISSION BEFORE REMOVAL (TYP.)

PROPOSED OFFSITE TEMPORARY CONSTRUCTION EASEMENT

GRASS PAVE (OR EQUAL) CROSS HATCHED AREA SEE SHT. C202 FOR DET.

END CG-6, NOSE DOWN CURB, BEGIN EP.

PROPOSED STORM DRAINAGE EASEMENT

BRICK BANDED WALKWAY (SEE DETAIL SHEET C202)

PARKING GARAGE STRUCTURE
PROPOSED THREE STORY CONCRETE BUILDING
HEIGHT= 33.5' TO TOP OF FOURTH PARKING DECK
AUTOMATIC DRY PIPE SPRINKLERED SYSTEM
USE GROUP - S-2

APPROXIMATE LOCATION VEPCO EASEMENT RECORDED AT DEED BOOK 3352-714

EX. TRANSFORMER

PROP. CONCRETE TRANSFORMER

GRASSPAVE2 TURF BRICK BANDED WALKWAY (SEE DETAIL SHEET C202)

EXISTING ONE STORY BRICK LIBRARY BUILDING
FF= 361.00

PATRICK HENRY LIBRARY
PROPOSED ONE STORY MASONRY BUILDING
HEIGHT= 34.33' TO TOP OF GABLE CANOPY
USE GROUP - A3
FULLY SPRINKLERED SYSTEM
ADDRESS: #101 MAPLE AVENUE

EX. ACCESS AREA

EXISTING PUBLIC STREET AND UTILITY EASEMENT DB 23929 PG 386

BRICK WALKWAY

3.5' SIDEWALK

3 BICYCLE RACKS (= 6 BIKES)

6" PVC SDR 26 SANITARY LATERAL

MODIFIED CG-13 ENTRANCE

CG-19 ENTRANCE

EX. CURB AND GUTTER

EX. BRICK WALL

EX. CONC

EX. CSW

36" CMP

15" HDPE

12" HDPE

24" HDPE

24" RCP

15" RCP

ARBORIST OVERSIGHT REQUIRED FOR ALL OFFSITE TREES; REMOVAL MAY BE WARRANTED DUE TO FINDINGS DURING EXCAVATION AT ARBORIST'S DISCRETION; REMOVAL OF TREES 7162 AND/OR 7176 WILL NECESSITATE REPLACEMENT WITH A SIMILAR SPECIES

BENCHMARK #1
SANITARY SEWER MANHOLE
N: 7,014,025.33
E: 11,834,617.83
RIM= 358.86
ELEVATION: 349.46

BENCHMARK #2
DRILL HOLE
N: 7,013,690.2
E: 11,834,335.7
ELEVATION: 355.69

CENTER STREET SOUTH
50' PUBLIC RIGHT OF WAY
(POSTED SPEED= 25 MPH)
2021 TRAFFIC COUNT= 3,300 VPD

MAPLE AVENUE EAST
ROUTE 123
75' PUBLIC RIGHT OF WAY
(POSTED SPEED= 30 MPH)
2021 TRAFFIC COUNT= 27,000 VPD

LEGEND

- EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED BY ARBORIST (SEE SPECIFICATIONS)
- TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)
- RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)
- PROPOSED LOD

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

MAP NOTES:

1. THIS MAP HAS BEEN ORIENTED TO THE VIRGINIA COORDINATE SYSTEM OF 1983, NORTH ZONE, NAD83.
2. TREE LOCATIONS ARE BASED ON VISUAL FIELD ESTIMATION AND CLIENT PROVIDED SITE SURVEY, AND MAY BE APPROXIMATE. NO TREE LOCATION SURVEY OR BOUNDARY SURVEY WAS COMPLETED BY WSSI.

TREE ASSESSMENT NOTES:

1. TREE CONDITION ASSESSMENT CONDUCTED BY ALEX BAILEY ISA# MA-6574A BETWEEN MAY 2 AND 3, 2023..
2. THE INSPECTION OF THESE TREES CONSISTED SOLELY OF A VISUAL INSPECTION FROM THE GROUND. WHILE MORE THOROUGH TECHNIQUES ARE AVAILABLE FOR INSPECTION AND EVALUATION, THEY WERE NEITHER REQUESTED NOR CONSIDERED NECESSARY OR APPROPRIATE AT THIS TIME.

PROJECT
Fairfax County Board of Supervisors
PATRICK HENRY LIBRARY AND GARAGE
101 Maple Ave. East
Vienna, VA 22180

DRAWING
TREE PRESERVATION PLAN

SHEET
LJ-101

L:\32000s\32700\32711.01\CAD\05-ENVR\32711.01_PatrickHenry_TREES_2023.06.01.dwg LJ-103 Plotted By: Heise, Cary, 5/19/2023 12:04 PM

TREE PROTECTION ACTION KEY (TPAK)

Date: JUNE 2023

Tree Protection Action Key

Project: 32711.01

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Dead Tree (Y/N)	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	SRZ: Structural Critical Root Zone (Inside Dim Feet)	CRZ: Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Removal	Removal By Arborist	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Watering	Construction Oversight/Monitoring	Additional Notes	Condition Notes
1001	2,1,1,1,1,1,1	honeysuckle spp.	Lonicera spp.	65%	Good	NO	6	10	7	1	5	3	X								bush honeysuckle	Co-Dominant Stems, Vines
1002	33	locust, black	Robinia pseudoacacia	30%	Poor	NO	8	65	1	15	50	4	X								estimated dbh because of poison ivy on tree	Narrow Crown, Trunk Decay, Included Bark/Weak Union, Co-Dominant Stems, Low Vigor, Serious Decline, Broken Limbs, Branch Decay, Fungal Fruiting Bodies, Vines, Overhead Utilities
1003	5,5	dogwood, flowering	Cornus florida	60%	Fair	NO	10	20	2	3	11	2	X									Buried Root Collar, Co-Dominant Stems, Small DW (1-2")
1004	10	mulberry spp.	Morus spp.	55%	Fair	NO	12	30	1	5	15	3	X								thin crown, previously tagged as #7186	Excessive Lean, Small DW (1-2")
1005	24	cherry, black	Prunus serotina	55%	Fair	NO	20	75	1	11	36	2				X					estimated dbh due to vines	Co-Dominant Stems, Small DW (1-2"), Low Vigor, Stressed, Vines
1006	14	mulberry spp.	Morus spp.	40%	Poor	NO	15	35	1	6	21	4	X									Basal Decay, Included Bark/Weak Union, Co-Dominant Stems, Vines
1007	10	locust, black	Robinia pseudoacacia	0%	Dead	YES	0	8	1	5	15	4	X								broken top	Broken Limbs, Branch Decay, Fungal Fruiting Bodies, Vines
1008	9	maple, red	Acer rubrum	70%	Good	NO	10	35	1	4	14	2				X					gator bag girdling the trunk, small one inch GR	Girdling Roots, Hardware
1009	31	spruce, Norway	Picea abies	70%	Good	NO	20	70	1	14	47	2				X						Large DW (3"+), Small DW (1-2"), Vines, Overhead Utilities
1010	12,9	dogwood, flowering	Cornus florida	55%	Fair	NO	12	25	2	7	23	2				X						Suppressed, Included Bark/Weak Union, Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Broken Limbs, Branch Decay, Vines
1011	18	spruce, Norway	Picea abies	25%	Poor	NO	5	50	1	8	27	4			X	X	X	X		X		Narrow Crown, Suppressed, Low Vigor, Stressed, Serious Decline, Broken Limbs, Branch Decay, Vines
1012	8,4	locust, black	Robinia pseudoacacia	55%	Fair	NO	6	30	2	4	13	3				X						Included Bark/Weak Union, Co-Dominant Stems, Stressed, Vines
1013	5	oak, pin	Quercus palustris	60%	Fair	NO	8	35	1	2	8	2	X									Vines
1014	4	cherry, sweet	Prunus avium	45%	Fair	NO	4	20	1	2	6	3	X									Narrow Crown, Suppressed, Excessive Lean, Low Vigor, Stressed, Vines
1015	18	locust, black	Robinia pseudoacacia	45%	Fair	NO	10	60	1	8	27	3	X								thin canopy	Narrow Crown, Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2"), Stressed, Serious Decline, Broken Limbs, Branch Decay, Fungal Fruiting Bodies, Vines
1016	33	cherry, black	Prunus serotina	40%	Poor	NO	12	60	1	15	50	3			X	X	X	X		X	estimated dbh due to poison ivy, broken leaders	Included Bark/Weak Union, Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Serious Decline, Broken Limbs, Vines
1017	7	locust, black	Robinia pseudoacacia	55%	Fair	NO	6	40	1	3	11	3				X						Narrow Crown, Suppressed, Small DW (1-2"), Low Vigor, Vines
1018	6	locust, black	Robinia pseudoacacia	55%	Fair	NO	6	40	1	3	9	3				X						Narrow Crown, Small DW (1-2"), Low Vigor, Vines
1019	29	spruce, Norway	Picea abies	65%	Good	NO	22	80	1	13	44	2			X	X	X	X		X		Large DW (3"+), Small DW (1-2"), Broken Limbs, Branch Decay, Vines, Overhead Utilities
1020	5,4,4	redcedar, eastern	Juniperus virginiana	45%	Fair	NO	10	20	3	3	11	3			X	X	X	X		X		Suppressed, Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2")
1021	10	locust, black	Robinia pseudoacacia	55%	Fair	NO	10	50	1	5	15	3	X								thin canopy	Small DW (1-2"), Low Vigor, Stressed, Vines
1022	3,2,5	redcedar, eastern	Juniperus virginiana	40%	Poor	NO	12	20	3	3	9	3	X									Basal Decay, Trunk Decay, Included Bark/Weak Union, Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Low Vigor
1023	5	locust, black	Robinia pseudoacacia	55%	Fair	NO	5	30	1	2	8	3	X								thin canopy	Suppressed, Low Vigor, Stressed, Vines
1024	13	locust, black	Robinia pseudoacacia	60%	Fair	NO	10	55	1	6	20	2	X								thin canopy	Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Vines
1025	6,2	locust, black	Robinia pseudoacacia	50%	Fair	NO	7	40	2	3	9	3	X								thin canopy	One Sided, Suppressed, Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Vines
1026	9	cherry, black	Prunus serotina	55%	Fair	NO	8	35	1	4	14	2		X								Small DW (1-2"), Vines
1027	8	locust, black	Robinia pseudoacacia	45%	Fair	NO	6	40	1	4	12	3	X								thin canopy	Narrow Crown, Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Vines
1028	5	cherry, black	Prunus serotina	55%	Fair	NO	8	35	1	2	8	2	X									Suppressed, Small DW (1-2")
1029	8	locust, black	Robinia pseudoacacia	55%	Fair	NO	8	60	1	4	12	3	X									Narrow Crown, Small DW (1-2"), Low Vigor, Stressed
1030	7	locust, black	Robinia pseudoacacia	40%	Poor	NO	8	70	1	3	11	3		X							thin canopy	Narrow Crown, Trunk Decay, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Broken Limbs, Branch Decay, Vines
1031	7	locust, black	Robinia pseudoacacia	40%	Poor	NO	6	30	1	3	11	3			X	X	X	X		X	thin canopy	Narrow Crown, Suppressed, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Broken Limbs, Branch Decay, Vines
1032	5	cherry, black	Prunus serotina	60%	Fair	NO	10	30	1	2	8	3			X	X	X	X		X		Small DW (1-2")
1033	5	cherry, black	Prunus serotina	60%	Fair	NO	6	30	1	2	8	2		X								Small DW (1-2"), Vines
1034	12	locust, black	Robinia pseudoacacia	50%	Fair	NO	15	70	1	5	18	3		X							thin canopy	Trunk Decay, Large DW (3"+), Small DW (1-2"), Stressed, Broken Limbs, Branch Decay, Vines
1035	8	locust, black	Robinia pseudoacacia	55%	Fair	NO	8	60	1	4	12	3	X								thin crown	Narrow Crown, One Sided, Small DW (1-2"), Low Vigor, Stressed
1036	11	locust, black	Robinia pseudoacacia	55%	Fair	NO	10	60	1	5	17	3	X								thin crown	Narrow Crown, One Sided, Small DW (1-2"), Low Vigor, Stressed, Vines
1037	11	locust, black	Robinia pseudoacacia	45%	Fair	NO	10	60	1	5	17	3	X								thin crown	Narrow Crown, One Sided, Suppressed, Small DW (1-2"), Low Vigor, Stressed, Vines
1038	9	locust, black	Robinia pseudoacacia	55%	Fair	NO	8	60	1	4	14	3	X								thin crown	Narrow Crown, One Sided, Small DW (1-2"), Low Vigor, Stressed
1039	18	spruce, Norway	Picea abies	0%	Dead	YES	15	50	1	8	27	4			X	X	X	X		X		Basal Decay, Trunk Decay, Broken Limbs, Branch Decay, Vines
1040	9	locust, black	Robinia pseudoacacia	45%	Fair	NO	10	60	1	4	14	3	X								thin crown	Narrow Crown, One Sided, Suppressed, Small DW (1-2"), Low Vigor, Stressed, Vines
1041	9	locust, black	Robinia pseudoacacia	45%	Fair	NO	10	60	1	4	14	3	X								thin crown	Narrow Crown, One Sided, Suppressed, Small DW (1-2"), Low Vigor, Stressed, Vines
1042	11	cherry, black	Prunus serotina	60%	Fair	NO	15	40	1	5	17	2	X									Small DW (1-2"), Vines
1043	9	cherry, black	Prunus serotina	0%	Dead	YES	10	40	1	4	14	4	X									Trunk Decay, Broken Limbs, Branch Decay, Vines
1044	11	cherry, black	Prunus serotina	60%	Fair	NO	8	60	1	5	17	2	X									Narrow Crown, Small DW (1-2"), Vines
1045	27	spruce, Norway	Picea abies	65%	Good	NO	20	80	1	12	41	2			X	X	X	X		X		Large DW (3"+), Small DW (1-2"), Broken Limbs
1046	17	locust, black	Robinia pseudoacacia	45%	Fair	NO	12	70	1	8	26	3	X								thin canopy	Small DW (1-2"), Low Vigor, Stressed, Broken Limbs, Branch Decay, Vines
1047	14	locust, black	Robinia pseudoacacia	50%	Fair	NO	10	70	1	6	21	3		X							thin canopy	Small DW (1-2"), Low Vigor, Vines
1048	30	oak, northern red	Quercus rubra	65%	Good	NO	23	80	1	14	45	2		X								Small DW (1-2")
1049	17	oak, northern red	Quercus rubra	60%	Fair	NO	13	70	1	8	26	2			X	X	X	X		X		Narrow Crown, Large DW (3"+), Small DW (1-2")
1050	6	maple, red	Acer rubrum	65%	Good	NO	12	35	1	3	9	2			X	X	X	X		X		One Sided, Suppressed
1051	4	locust, black	Robinia pseudoacacia	60%	Fair	NO	10	30	1	2	6	3				X						One Sided, Suppressed, Large DW (3"+), Small DW (1-2")
1052	30	spruce, Norway	Picea abies	65%	Good	NO	15	80	1	14	45	2			X	X	X	X		X	estimated dbh due to poison ivy	Large DW (3"+), Small DW (1-2"), Broken Limbs, Branch Decay, Vines
1053	9,4,3,2,2,2	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	NO	12	30	6	5	16	2				X					girdling hardware	Included Bark/Weak Union, Co-Dominant Stems, Mechanical Damage, Vines
1054	9,4,3,3,3,2,2,2	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	NO	12	30	8	5	17	2				X					girdling hardware	Included Bark/Weak Union, Co-Dominant Stems, Vines
1055	9,4,3,3,3,2,2,2	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	NO	12	30	8	5	17	2				X					girdling hardware	Included Bark/Weak Union, Co-Dominant Stems, Vines
1056	10,4,4,3,3,3,3,2,2,2	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	NO	12	30	10	6	20	2			X	X	X	X		X	girdling hardware	Included Bark/Weak Union, Co-Dominant Stems, Vines
1057	4	holly, American	Ilex opaca	60%	Fair	NO	5	25	1	2	6	3				X						Suppressed, Co-Dominant Stems, Vines

Date: JUNE 2023

Tree Protection Action Key

Project: 32711.01

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Dead Tree (Y/N)	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	SRZ: Structural Critical Root Zone (Inside Dim Feet)	CRZ: Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Removal	Removal By Arborist	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Watering	Construction Oversight/Monitoring	Additional Notes	Condition Notes
7159	10	locust, black	Robinia pseudoacacia	60%	Fair	NO	8	60	1	5	15	3				X					thin crown	Suppressed, Vines
7160	7	locust, black	Robinia pseudoacacia	55%	Fair	NO	7	35	1	3	11	3				X						Suppressed, Vines
7162	20	maple, red	Acer rubrum	65%	Good	NO	18	50	1	9	30	2				X	X	X	X	X		Buried Root Collar, Small DW (1-2"), Branch Decay, Vines, Overhead Utilities
7163	21	maple, red	Acer rubrum	50%	Fair	NO	22	55	1	9	32	3	X								thin canopy, in decline	Trunk Decay, Small DW (1-2"), Low Vigor, Stressed, Broken Limbs, Overhead Utilities
7164	9	maple, trident	Acer buergerianum	70%	Good	NO	10	25	1	4	14	2	X								utility in canopy	Small DW (1-2"), Overhead Utilities
7165	18	maple, red	Acer rubrum	60%	Fair	NO	22	55	1	8	27	2	X								thin canopy, one inch girdling root	Girdling Roots, Small DW (1-2")
7166	6	maple, trident	Acer buergerianum	65%	Good	NO	8	20	1	3	9	2	X								touchinh utility line	Buried Root Collar, Overhead Utilities
7167	17	maple, red	Acer rubrum	40%	Poor	NO	8	40	1	8	26	4	X								buried GR, dead limbs over walkway	Buried Root Collar, Girdling Roots, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Broken Limbs, Branch Decay, Overhead Utilities
7168	10	maple, trident	Acer buergerianum	65%	Good	NO	10	25	1	5	15	2	X								utility in canopy	Buried Root Collar, Co-Dominant Stems, Overhead Utilities
7169	6	maple, trident	Acer buergerianum	60%	Fair	NO	4	20	1	3	9	2	X									Narrow Crown, Small DW (1-2"), Overhead Utilities
7170	25	maple, red	Acer rubrum	45%	Fair	NO	18	45	1	11	38	3	X								numerous large girdling roots	Surface Roots, Girdling Roots, Root Damage/Decay, Small DW (1-2"), Stressed, Broken Limbs, Branch Decay, Overhead Utilities
7171	7	maple, trident	Acer buergerianum	65%	Good	NO	5	25	1	3	11	2	X								touching utility	Overhead Utilities
7172	6	maple, trident	Acer buergerianum	70%	Good	NO	7	25	1	3	9	2	X									Surface Roots, Small DW (1-2"), Overhead Utilities
7173	9	maple, red	Acer rubrum	70%	Good	NO	10	30	1	4	14	2	X								touching utility line	Full Crown, Buried Root Collar, Overhead Utilities
7174	22	maple, red	Acer rubrum	45%	Fair	NO	25	55	1	10	33	2	X								GR two inches by one foot	Buried Root Collar, Girdling Roots, Large DW (3"+), Small DW (1-2"), Broken Limbs, Branch Decay, Overhead Utilities
7175	8	maple, trident	Acer buergerianum	70%	Good	NO	8	25	1	4	12	2	X								utility in canopy	Buried Root Collar, Small DW (1-2"), Overhead Utilities
7176	33	maple, red	Acer rubrum	25%	Poor	NO	15	40	1	15	50	4				X	X	X	X	X	large trunk cavity ten feet up, broken top	One Sided, Basal Decay, Trunk Decay, Low Vigor, Broken Limbs, Branch Decay
7183	12	locust, black	Robinia pseudoacacia	50%	Fair	NO	12	60	1	5	18	3			X	X	X	X		X		One Sided, Large DW (3"+), Small DW (1-2"), Low Vigor, Vines
7184	31	locust, black	Robinia pseudoacacia	45%	Fair	NO	12	75	1	14	47	3	X								estimated dbh because of poison ivy, thin canopy	Basal Decay, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Vines
7185	4	mulberry spp.	Morus spp.	65%	Good	NO	6	30	1	2	6	3			X	X	X	X		X		
7187	12	mulberry spp.	Morus spp.	50%	Fair	NO	10	30	1	5	18	3	X								thin crown	One Sided, Excessive Lean, Small DW (1-2")
7188	8	mulberry spp.	Morus spp.	40%	Poor	NO	10	25	1	4	12	3	X									One Sided, Suppressed, Excessive Lean, Small DW (1-2")
7189	9	mulberry spp.	Morus spp.	60%	Fair	NO	8	30	1	4	14	3	X									Small DW (1-2"), Branch Decay
7190	10,6,6,5,4,4,3,3,3,3,2,2,2	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	NO	12	30	13	7	25	2		X							girdling hardware	Full Crown, Included Bark/Weak Union, Co-Dominant Stems, Vines
7191	5	cherry, sweet	Prunus avium	0%	Dead	YES	4	25	1	2	8	4		X								Basal Decay, Trunk Decay, Broken Limbs, Branch Decay, Fungal Fruiting Bodies, Vines
7192	15	ZZ Unknown dead tree	ZZ Unknown dead tree	0%	Dead	YES	8	35	1	7	23	4	X									
7193	3,3,3,2,2,4	crapemyrtle, common	Lagerstroemia indica	65%	Good	NO	10	20	6	3	11	2	X									Included Bark/Weak Union, Co-Dominant Stems
7194	4,3,3,3,2,2,4,1	crapemyrtle, common	Lagerstroemia indica	65%	Good	NO	10	20	8	4	12	2	X									Included Bark/Weak Union, Co-Dominant Stems
7195	4,3,3,3,2,2	crapemyrtle, common	Lagerstroemia indica	60%	Fair	NO	10	20	6	3	11	2	X									Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2")
7196	4,4,4,3,3,3,4,2	crapemyrtle, common	Lagerstroemia indica	65%	Good	NO	10	20	9	5	16	2	X									Included Bark/Weak Union, Co-Dominant Stems
7197	26	pine, Virginia	Pinus virginiana	25%	Poor	NO	23	40	1	12	39	4	X								20' crack/decay on backside of trunk, touching utility	Large DW (3"+), Small DW (1-2"), Low Vigor, Broken Limbs, Branch Decay, Overhead Utilities
7198	4,4,3,3,2,2,2	crapemyrtle, common	Lagerstroemia indica	65%	Good	NO	10	20	7	4	12	2	X									Included Bark/Weak Union, Co-Dominant Stems, Overhead Utilities
7199	3,3,2,2,2,2	crapemyrtle, common	Lagerstroemia indica	65%	Good	NO	10	20	6	3	9	2	X									Included Bark/Weak Union, Co-Dominant Stems, Overhead Utilities
7200	3,3,3,2,2,2,4	crapemyrtle, common	Lagerstroemia indica	65%	Good	NO	10	20	8	3	12	2	X									Included Bark/Weak Union, Co-Dominant Stems, Overhead Utilities

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MARK	DATE	BY	DESCRIPTION

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510 KING ST. SUITE 300
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347 W 36TH ST. SUITE 1201
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DATE	04.12.2024		
PROJECT	21115-00		
DESIGNED	AB	DRAWN	AB
CHECKED	CH		

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MARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST

PROJECT: Fairfax County Board of Supervisors
PATRICK HENRY LIBRARY AND GARAGE
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DRAWING: TREE PRESERVATION SCHEDULE

SHEET
LJ-102

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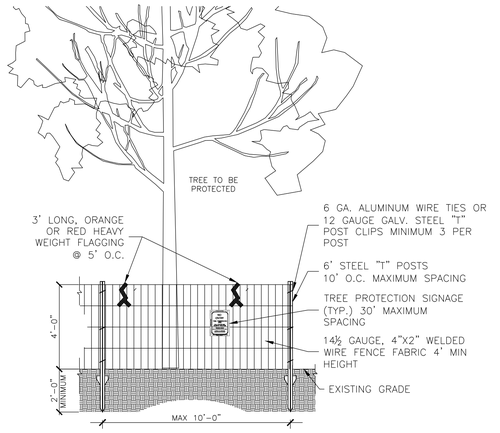
CARY HUTZ
ISA# PD-1080A
CERTIFIED ARBORIST

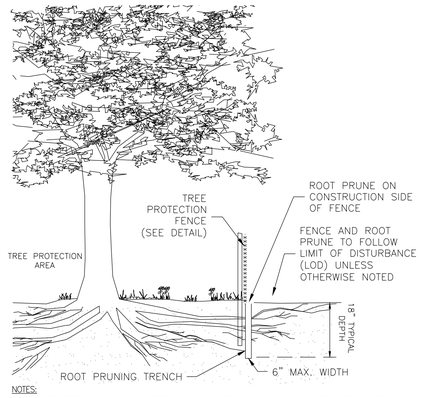
TREE PRESERVATION SPECIFICATIONS AND NARRATIVE

1. GENERAL
   - 1.1. REFER TO THE TREE PROTECTION ACTION KEY (TPAK) FOR SPECIFIC RECOMMENDATIONS FOR EACH TREE.
   - 1.2. PRIOR TO ANY DEMOLITION OR CONSTRUCTION WORK WITHIN OR ADJACENT TO TREE PROTECTION AREAS (TPA), A PRE-CONSTRUCTION SITE WALK SHALL BE HELD TO INCLUDE THE CONTRACT ARBORIST AND PROJECT ARBORIST WITH THE CONTRACTOR, ARCHITECT, *TOWN ARBORIST*, AND OWNER.
   - 1.3. SUBSTITUTIONS OR ALTERNATIVE METHODS OR MATERIALS SHALL BE REVIEWED AND APPROVED BY *TOWN ARBORIST*.
   - 1.4. ALL TREE PROTECTION MEASURES MUST BE IN PLACE PRIOR TO COMMENCEMENT OF DEMOLITION, SITE CLEARING OR CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. TREE PROTECTION MEASURES MAY ONLY BE REMOVED WITH *TOWN ARBORIST* APPROVAL.
   - 1.5. ALL MEASURES WILL BE REVIEWED AFTER INSTALLATION AND APPROVED BY OWNER AND *TOWN ARBORIST*.
2. REMOVAL BY ARBORIST
   - 2.1. TREES DESIGNATED AS "REMOVAL BY ARBORIST" SHALL BE REMOVED BY A QUALIFIED ARBORIST "BY HAND", TO MINIMIZE POTENTIAL FOR DAMAGE TO REMAINING TREES AND ROOTS.
   - 2.2. CREWS SHALL BE DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
   - 2.3. TRUCKS AND MECHANIZED EQUIPMENT SHALL NOT ENTER THE FENCED TREE PROTECTION AREAS, EXCEPT WHERE EXPLICITLY APPROVED BY THE PROJECT ARBORIST AND UTILIZING APPROVED ROOT PROTECTION DEVICE.
   - 2.4. STUMPS SHALL BE LEFT IN PLACE OR GROUND OUT AT THE OWNERS DISCRETION. STUMPS IN TURF/LANDSCAPE AREAS OR WITHIN ROOT AERATION MATTING AREAS SHALL BE GROUND.
   - 2.5. STUMP GRINDING SHALL BE DONE WITH SMALL MACHINES SPECIFICALLY DESIGNED FOR THAT PURPOSE. NO STUMPS SHALL BE EXCAVATED EXCEPT AS DESCRIBED HEREIN. STUMPS SHALL BE GROUND NOT MORE THAN 8" BELOW GRADE AND CARE MUST BE TAKEN TO MINIMIZE DAMAGE TO ROOTS OF RETAINED TREES.
3. TREE PROTECTION FENCE
   - 3.1. INSTALL AND MAINTAIN TEMPORARY TREE PROTECTION FENCE FOR EACH TREE PROTECTION AREA AS SHOWN ON THE PLAN. INSTALLATION IS TYPICALLY AFTER ROOT PRUNING AND PRIOR TO CLEARING & GRADING.
   - 3.2. FENCE SHALL BE ONE OF THE FOLLOWING: (SEE DETAIL)
     - 3.2.1. 4' HIGH, 14 GAUGE WELDED WIRE FENCE MOUNTED ON 6' STEEL "T" POSTS SPACED NOT MORE THAN 10' APART. FENCE SHALL BE ATTACHED TO POSTS USING GALVANIZED STEEL CLIPS OR ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
     - 3.2.2. 6' HIGH CHAIN LINK FENCE FABRIC MOUNTED ON 8', 1.5"ø GALVANIZED STEEL PIPE LINE POSTS. CORNER POSTS SHALL BE 2"ø. FENCE SHALL BE ATTACHED TO POSTS USING ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
     - 3.2.3. "SUPER SILT FENCE" (SILT FENCE WITH AN INCORPORATED CHAIN LINK FENCE FABRIC) INSTALLED AS SPECIFIED BY APPROPRIATE STATE OR LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
   - 3.3. SILT FENCE SHALL BE COORDINATED FOR INSTALLATION TO ENHANCE PROTECTION AND AVOID UNNECESSARY ROOT CUTS BY SILT FENCE INSTALLATION.
   - 3.4. FENCE SHALL REMAIN FOR THE DURATION OF CONSTRUCTION. FENCE MAY BE REMOVED ONLY AFTER ALL CONSTRUCTION AND FINAL LANDSCAPING IS COMPLETE AND WITH *TOWN ARBORIST* APPROVAL.
4. TREE PROTECTION AREA SIGNS
   - 4.1. TREE PROTECTION AREA SIGNS SHALL BE AFFIXED TO ALL TREE PROTECTION FENCE AT 30' SPACING AVERAGE.
   - 4.2. SIGNS SHALL BE BILINGUAL (ENGLISH AND SPANISH).
   - 4.3. SIGNS SHALL NOT BE AFFIXED DIRECTLY TO TREES. SEE DETAIL.
   - 4.4. SIGN MATERIAL SHALL BE WATERPROOF, HEAVY VINYL OR SIMILAR.
   - 4.5. SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. ROOT PRUNE
   - 5.1. THE EXACT LOCATION AND DEPTH WILL BE DETERMINED DURING THE PRE-CONSTRUCTION MEETING. SPECIFIC EQUIPMENT & METHODS WILL BE DETERMINED BY PROJECT ARBORIST AND *TOWN ARBORIST* BASED UPON DEPTH & TREE IMPACT. (SEE DETAIL)
   - 5.2. HAND PRUNE ROOTS OVER 1" DIAMETER WITHIN CRZS OF SIGNIFICANT TREES. STEEP SLOPES, DEEP EXCAVATIONS AND PAVEMENT/CURB REMOVAL WILL BE REVIEWED WHEN OPEN FOR HAND ROOT PRUNING DURING CONSTRUCTION.
   - 5.3. COORDINATE WITH SILT FENCE INSTALLATION TO MINIMIZE UNNECESSARY ROOT DAMAGE.
   - 5.4. ROOT PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST.
6. WOOD CHIP MULCH
   - 6.1. INSTALL MULCH FOR DESIGNATED SIGNIFICANT TREES. MULCH AREA SHALL BE ONE OF THE FOLLOWING, AT THE DISCRETION OF THE CONTRACT ARBORIST AND OWNER:
     - 6.1.1. INSTALL MULCH BED RINGS. MULCH SHOULD COVER AT LEAST THE ENTIRE STRUCTURAL ROOT ZONE. LARGER MULCH BEDS ARE PREFERRED.
     - 6.1.2. PROVIDE CONTINUOUS MULCH STRIP 10' TO 15' WIDE ALONG LOD WITHIN PRESERVED CRZ AREAS.
   - 6.2. MULCH SHALL BE INSTALLED TO A DEPTH OF 4". TOTAL MULCH DEPTH SHALL NOT EXCEED 4" SHOULD EXISTING MULCH BE PRESENT.
   - 6.3. MULCH SHALL BE DOUBLE GROUND SHREDDED HARDWOOD, AGED FOR AT LEAST 6 MONTHS FROM AN APPROVED SOURCE. INSUFFICIENTLY OR IMPROPERLY AGED MULCH CONTAINING HIGH BACTERIAL COUNTS OR HIGH LEVELS OF BARK, WALNUT, INVASIVE SPECIES, OR OTHER MATERIALS RESISTANT TO DECOMPOSITION SHALL NOT BE USED.
   - 6.4. MULCH SHALL NOT CONTACT TRUNK OF TREES.
   - 6.5. EDGING SHALL NOT BE USED.
7. CONSTRUCTION MONITORING/INSPECTIONS
   - 7.1. A CERTIFIED ARBORIST SHALL ACTIVELY MONITOR THE SITE TO ENSURE ADHERENCE TO ALL TREE PROTECTION REQUIREMENTS.
   - 7.2. THIS WORK IS TYPICALLY PREFORMED BY THE CONTRACT ARBORIST, TO BE HIRED BY THE GENERAL CONTRACTOR OR OWNER.
   - 7.3. SCHEDULE:
     - 7.3.1. PHASE 1 (DURING INITIAL CLEARING AND INSTALLATION OF TREE PROTECTION AND PERIMETER E&S CONTROLS) INSPECTIONS SHALL BE AT LEAST WEEKLY.
     - 7.3.2. PHASE 2 (DURING ALL REMAINING SITE WORK AND UNTIL PROJECT COMPLETION) INSPECTIONS SHALL BE AT LEAST MONTHLY.
     - 7.3.3. TRANSITION FROM WEEKLY TO MONTHLY SCHEDULE SHALL REQUIRE OWNER AND *TOWN ARBORIST* APPROVAL.
   - 7.4. REPORTS SHALL BE PROVIDED TO THE OWNER AND *TOWN ARBORIST*. REPORTS SHALL DOCUMENT CONDITION OF TREE PROTECTION DEVICES AND PROVIDE RECOMMENDATIONS FOR MAINTENANCE AND/OR ADDITIONAL CARE.
   - 7.5. ADDITIONAL ARBORIST INSPECTIONS AND/OR DIRECT ARBORIST OVERSIGHT OF CRITICAL TREE PRESERVATION ACTIVITIES, TREE PRUNING, TREE REMOVAL, OR OTHER SENSITIVE ACTIVITIES MAY BE REQUIRED. WEEKLY INSPECTIONS DO NOT SATISFY THE NEED FOR DIRECT ARBORIST OVERSIGHT THAT MAY BE REQUIRED FOR SPECIFIC ACTIVITIES.
8. MISCELLANEOUS TREE PROTECTION REQUIREMENTS
   - 8.1. NO TOXIC MATERIALS SHALL BE STORED WITHIN 100' OF TREE PROTECTION AREAS.
   - 8.2. ALL WORK IN OR NEAR TREE PROTECTION AREAS SHALL BE PERFORMED IN A MANNER TO MINIMIZE DAMAGE TO TREES, SHRUBS, GROUND COVER, SOIL AND ROOT SYSTEMS.
   - 8.3. MECHANIZED EQUIPMENT SHALL NOT BE PERMITTED TO ENTER ANY TREE PROTECTION AREAS WITHOUT EXPLICIT APPROVAL BY THE PROJECT ARBORIST AND *TOWN ARBORIST*, AND WITH ADEQUATE APPROVED ROOT PROTECTION DEVICES.
9. CONSTRUCTION STRATEGIES FOR TREE PROTECTION
   - 9.1. CONSTRUCTION STAGING, STOCKPILING, EQUIPMENT STORAGE, MASONRY SET-UP AND WASHOUT, ETC. SHALL BE LIMITED TO AREAS OF EXISTING PAVEMENT AND AREAS WITHIN THE LOD EXCEPT AS OTHERWISE NOTED.
   - 9.2. CONSTRUCTION EQUIPMENT ACCESS BETWEEN VARIOUS WORK AREAS SHALL REMAIN ON EXISTING PAVEMENT/IMPROVED SURFACES TO THE GREATEST EXTENT POSSIBLE. WHERE THIS IS NOT POSSIBLE AND WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE TO REMAIN, ACCESS SHALL BE MADE ON ROOT PROTECTION MATTING (RPM)(SEE DETAIL) OR APPROVED ALTERNATIVE. CONTRACTOR TO DETERMINE ACCESS NEEDS AND COORDINATE RPM INSTALLATION WITH THE CONTRACT ARBORIST AT THE PRE-CONSTRUCTION MEETING OR BEFORE.
   - 9.3. PROPOSED LANDSCAPE PLANTINGS WITHIN TREE PROTECTION AREAS SHALL BE INSTALLED BY HAND. MECHANIZED EQUIPMENT SHALL NOT BE USED OUTSIDE THE LOD OR OFF OF EXISTING PAVED AREAS TO EXCAVATE FOR PLANTINGS OR FOR STAGING PLANT MATERIAL.
   - 9.4. COORDINATE PLANTING LOCATIONS WITHIN CRZS WITH THE CONTRACT ARBORIST TO AVOID UNNECESSARY ROOT DAMAGE. PLANTING PITS WITHIN CRZS SHOULD BE DUG BY HAND OR USING AIRTOOL EXCAVATION EQUIPMENT. ROOTS GREATER THAN 1" SHOULD NOT BE CUT.
10. TREE CONDITION MONITORING INSPECTIONS
    - 10.1. CONTRACT ARBORIST SHALL PROVIDE MONITORING OF THE CONDITION OF RETAINED TREES IN TREE PROTECTION AREAS, AND TREATMENT OF DETRIMENTAL CONDITIONS (INSECTS, DISEASES, NUTRIENT DEFICIENCIES, SOIL MOISTURE, ETC.), AS THEY OCCUR, OR AS APPROPRIATE FOR EFFECTIVE MANAGEMENT.
    - 10.2. INSPECTIONS SHALL BE PERFORMED AT LEAST MONTHLY DURING THE GROWING SEASON, BEGINNING PRIOR TO CONSTRUCTION AND CONTINUING THROUGHOUT CONSTRUCTION AND FOR AT LEAST ONE YEAR SUBSEQUENT TO COMPLETION OF CONSTRUCTION ACTIVITIES.
    - 10.3. A WRITTEN SUMMARY REPORT INCLUDING SPECIFIC TREATMENTS MADE AND RECOMMENDATIONS FOR ADDITIONAL TREATMENTS SHALL BE PROVIDED TO THE OWNER AND PROJECT ARBORIST SUBSEQUENT TO EACH INSPECTION.



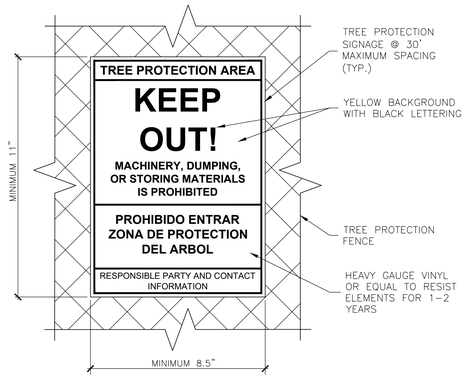
NOTES:
1. TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION.
2. WHERE REQUIRED, SUPER SILT FENCE MAY BE USED IN LIEU OF WELDED WIRE FOR TREE PROTECTION PROVIDED IT IS INSTALLED AND MAINTAINED AS A TREE PROTECTION MEASURE AND IS POSTED WITH TREE PROTECTION SIGNS.
3. TREE PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE FENCE ONLY WITH APPROVAL AND AFTER ALL SITE WORK HAS BEEN COMPLETED.

1 / LJ-103 WELDED WIRE TREE PROTECTION FENCE (TYPICAL)
SCALE: NTS



NOTES:
1. TREE PROTECTION AREA WILL BE DETERMINED AS PART OF THE PLAN REVIEW PROCESS. EXACT LOCATION, DEPTH AND METHODS OF ROOT PRUNING TO BE DETERMINED IN THE FIELD BY PROJECT ARBORIST.
2. EXACT LOCATION OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED PRIOR TO TRENCHING.
3. TRENCH SHOULD BE BACKFILLED IMMEDIATELY OR INCORPORATED WITH SILT FENCE INSTALLATION.
4. ROOTS SHOULD BE SEVERED BY ROCK SAW, TRENCHER, VIBRATORY PLOW OR APPROVED EQUIVALENT.
5. ROOTS OVER 1.5" DIAMETER SHOULD BE CLEANLY CUT BY HAND. ROOT PRUNING ADJACENT TO SPECIMEN TREES MAY REQUIRE SOIL REMOVAL BY SUPERSONIC AIR TOOL TO MINIMIZE TREE AND ROOT IMPACTS.
6. COORDINATE WITH SILT FENCE INSTALLATION (IF REQUIRED) TO MINIMIZE ROOT IMPACTS FROM ADDITIONAL TRENCHING.

2 / LJ-103 ROOT PRUNING (TYPICAL)
SCALE: NTS



NOTES:
1. SIGNS TO BE ATTACHED TO TREE PROTECTION FENCE OR POSTS AT READABLE LEVEL.
2. 30' MINIMUM SPACING AVERAGE ADJUSTED FOR MAXIMUM READABILITY.
3. MINIMUM ONE SIGN FOR SMALL TREE PROTECTION AREAS.
4. SIGNS MAY BE REMOVED FROM RESIDENTIAL LOTS UPON ISSUANCE OF USE AND OCCUPANCY.
5. SIGNS TO REMAIN ON NON RESIDENTIAL SITES FOR MAINTENANCE PERIOD.

3 / LJ-103 TREE PROTECTION AREA SIGN (TYPICAL)
SCALE: NTS

ADDITIONAL NOTES:
1. *TREE LOCATIONS MAY BE APPROXIMATE. OWNER AND CONTRACT ARBORIST SHALL VERIFY ALL TREE LOCATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND/OR TREATMENT OR REMOVAL.*
2. *PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO COMMENCEMENT OF DEMOLITION/CONSTRUCTION ACTIVITY. TOWN ARBORIST, OWNER, DESIGN TEAM MEMBERS (PROJECT ARBORIST, LANDSCAPE ARCHITECT, ENGINEER AND ARCHITECT), CONTRACT ARBORIST, SITE AND LANDSCAPE CONTRACTORS SHALL ATTEND.*
3. *TREES RATED "POOR" OR "DEAD" THAT ARE NOT RECOMMENDED FOR REMOVAL DUE TO CONSTRUCTION IMPACT MAY WARRANT FURTHER EVALUATION AND/OR TREATMENT OR REMOVAL.*

PROJECT: Fairfax County Board of Supervisors
PATRICK HENRY LIBRARY AND GARAGE
101 Maple Ave. East
Vienna, VA 22180

DRAWING: TREE PRESERVATION NOTES & DETAILS

SHEET
LJ-103