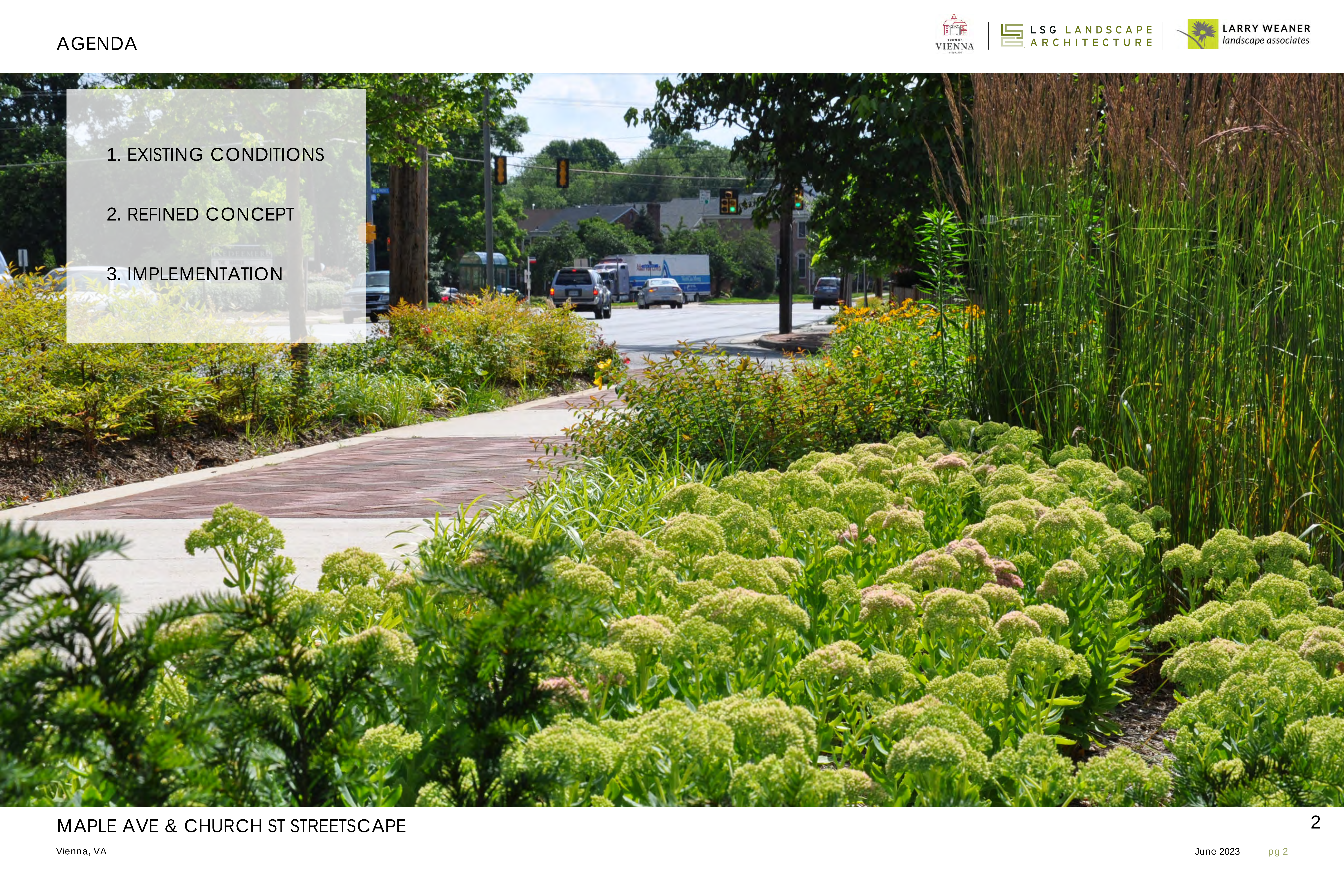
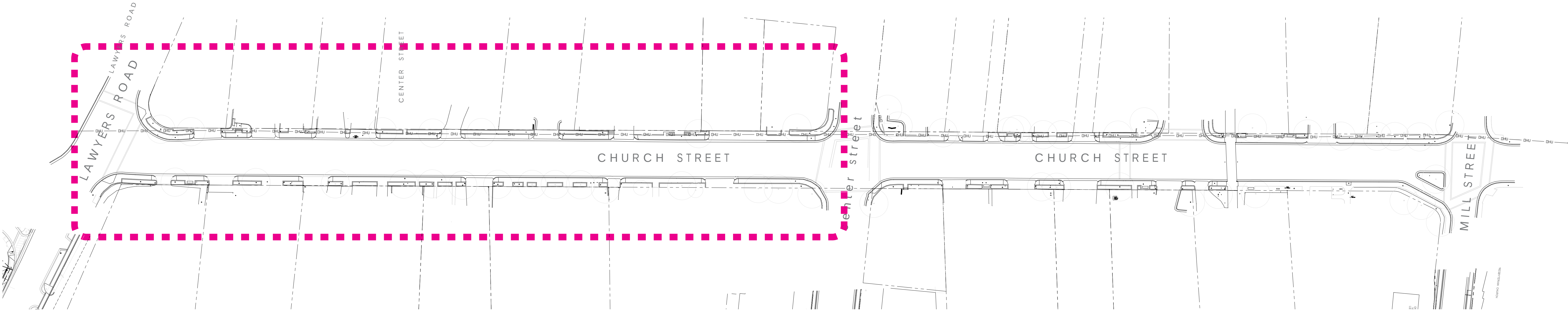




- 
1. EXISTING CONDITIONS
2. REFINED CONCEPT
3. IMPLEMENTATION

EXAMPLE AREA





Lawyer's Road to Center Street





PennState

Extension

Agricultural Analytical Services Laboratory

The Pennsylvania State University

111 Ag Analytical Svcs Lab

University Park, PA 16802

(814) 863-0841 msd@psu.edu www.aasl.psu.edu

SOIL TEST REPORT FOR:

ARENI CROOKS

LARRY WEANER LANDSCAPE ASSOC

2029 MT CARMEL AVE

GLENDELE, PA 19038

ADDITIONAL COPY TO:

DATE	LAB #	SERIAL #	COUNTY	ACRES	ASCS ID	FIELD ID	SOIL
05/19/2023	S23-29388	44063	Montgomery			LSG-5	

SOIL NUTRIENT LEVELS

Below Optimum

Optimum

Above Optimum

Soil pH	7.0
Phosphorus (P)	19 ppm
Potassium (K)	215 ppm
Magnesium (Mg)	160 ppm

RECOMMENDATIONS:

Limestone*: NONE

*Calcium Carbonate equivalent

See back messages for important information

Magnesium (Mg): NONE

Plant Nutrients: (If manure will be applied, adjust these recommendations accordingly. See back of report.)

Year	Crop	Expected Yield	Nitrogen (lb N/A)	Phosphate (lb P ₂ O ₅ /A)	Potash (lb K ₂ O/A)
1	Other	0	0	0	0

See S22 for other crop recommendations

No crop was specified. Therefore no recommendation is given.

2	Other	0	0	0	0
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See S22 for other crop recommendations

No crop was specified. Therefore no recommendation is given.

3	Other	0	0	0	0
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See S22 for other crop recommendations

No crop was specified. Therefore no recommendation is given.

ADDITIONAL RESULTS:

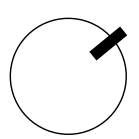
Calcium (ppm)	Acidity (meq/100 g)	CEC (meq/100 g)	% Saturation of the CEC	Organic Matter %	Nitrate-N ppm	Salts meq/100 g	Trace Elements
1079	0.0	10.3	K Mg Ca	5.4	13.0	81.7	See back for comments
							Zinc ppm Copper ppm Sulfur ppm
							11.0 7.6 11.2

Test Methods: 1:1 soil-water pH, Mehlich 3 (Mehlich 3) (Mehlich 3) Buffer pH, Summation of Cations

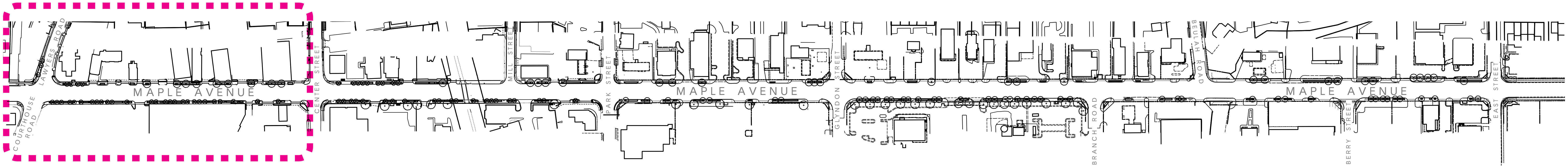
477

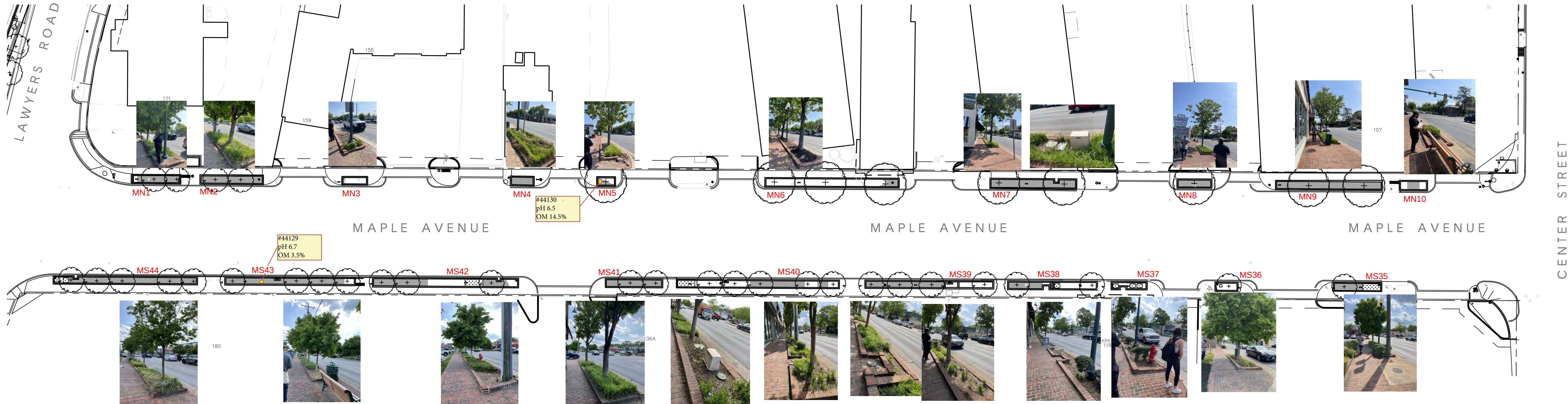
FINDINGS:

- PLANTING BEDS INTEGRATE WITH LANDSCAPES MAINTAINED BY ADJACENT OWNERS
- LANDSCAPE IS FULL BUT IRREGULAR - LACKING RHYTHM AND REPETITION
- MAINLY PART-SHADE TO SHADE CONDITIONS
- SOIL PH SLIGHTLY ACIDIC, ORGANIC MATTER TOPPED AROUND 14%



EXAMPLE AREA





Lawyers Road to Center Street



#44129
pH 6.7
OM 3.5%



Penn State
Extension

Agricultural and Natural Resource Laboratory
1670 University Drive
University Park, PA 16802
814/863/6867 ext. 222
agriculture@psu.edu

SAMPLE INFORMATION				ANALYSIS COSTS			
CLIENT NAME: LARRY WEANER LANDSCAPE ASSOC.				ANALYSIS COSTS: \$100.00			
ADDRESS: 111 N. MAIN ST. SUITE 200				ANALYSIS COSTS: \$100.00			
CITY: VIENNA, VA 22180				ANALYSIS COSTS: \$100.00			
PHONE: 703/291-1111				ANALYSIS COSTS: \$100.00			
FAX: 703/291-1111				ANALYSIS COSTS: \$100.00			
E-MAIL: lweaner@lweaner.com				ANALYSIS COSTS: \$100.00			
ANALYST: J. L. HARRIS				ANALYSIS COSTS: \$100.00			
DATE: 6/1/2023				ANALYSIS COSTS: \$100.00			
TIME: 10:00 AM				ANALYSIS COSTS: \$100.00			
LOCATION: PLANTER BED				ANALYSIS COSTS: \$100.00			
DEPTH: 0-10 cm				ANALYSIS COSTS: \$100.00			
METHOD: Hand-dug				ANALYSIS COSTS: \$100.00			
TEST RESULTS				ANALYSIS COSTS: \$100.00			
Parameter				Value			
pH				6.7			
OM				3.5			
EC				0.00			
Ca				0.00			
Mg				0.00			
K				0.00			
Na				0.00			
Cl				0.00			
S				0.00			
P				0.00			
N				0.00			
Fe				0.00			
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Mn				0.00			
B				0.00			
Mo				0.00			
Co				0.00			
Ni				0.00			
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Sb				0.00			
Se				0.00			
Br				0.00			
I				0.00			
Sn				0.00			
Pb				0.00			
Cd				0.00			
Hg				0.00			
Cr				0.00			
M				0.00			
Be				0.00			
Ba				0.00			
Li				0.00			
Sc				0.00			
Y				0.00			
Rb				0.00			
Ks				0.00			
Fr				0.00			
Ac				0.00			
Th				0.00			
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Np				0.00			
Pu				0.00			
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Cm				0.00			
Bk				0.00			
Cf				0.00			
Es				0.00			
Fm				0.00			
Md				0.00			
La				0.00			
Ce				0.00			
Pr				0.00			
Nd				0.00			
Pm				0.00			
Sm				0.00			
Eu				0.00			
Gd				0.00			
Tb				0.00			
Dy				0.00			
Ho				0.00			
Er				0.00			
Tm				0.00			
Yb				0.00			
Lu				0.00			



#44130
pH 6.5
OM 14.5%



Penn State
Extension

Georgian Agricultural Service Laboratory
211 Peachtree Street, N.E.
Atlanta, GA 30303
Phone: 404.524.2200
Fax: 404.524.2201
Email: extension@georgian.edu

SOIL TEST REPORT FORM				ANALYSTS: C. D. F.			
SAMPLE INFORMATION				ANALYSTS: C. D. F.			
Client	LARRY WEANER LANDSCAPE ASSOC			Address	111 N. MAIN ST. SUITE 200 VIENNA, VA 22180		
Sample ID	44130			Location	PLANTER BED		
Sample Date	6/1/2023			Sample Time	10:00 AM		
Sample Depth	0-10 cm			Sample Method	Hand-dug		
Test Results							
Parameter	Value	Unit	Interpretation	Parameter	Value	Unit	Interpretation
pH	6.5		Acidic	OM	14.5	%	High
OM	14.5	%	High	EC	0.00	dS/m	Low
EC	0.00	dS/m	Low	Ca	0.00	ppm	Low
Ca	0.00	ppm	Low	Mg	0.00	ppm	Low
Mg	0.00	ppm	Low	K	0.00	ppm	Low
K	0.00	ppm	Low	Na	0.00	ppm	Low
Na	0.00	ppm	Low	Cl	0.00	ppm	Low
Cl	0.00	ppm	Low	S	0.00	ppm	Low
S	0.00	ppm	Low	P	0.00	ppm	Low
P	0.00	ppm	Low	N	0.00	ppm	Low
N	0.00	ppm	Low	Fe	0.00	ppm	Low
Fe	0.00	ppm	Low	Zn	0.00	ppm	Low
Zn	0.00	ppm	Low	Cu	0.00	ppm	Low
Cu	0.00	ppm	Low	Mn	0.00	ppm	Low
Mn	0.00	ppm	Low	B	0.00	ppm	Low
B	0.00	ppm	Low	Mo	0.00	ppm	Low
Mo	0.00	ppm	Low	Co	0.00	ppm	Low
Co	0.00	ppm	Low	Ni	0.00	ppm	Low
Ni	0.00	ppm	Low	As	0.00	ppm	Low
As	0.00	ppm	Low	Sb	0.00	ppm	Low
Sb	0.00	ppm	Low	Se	0.00	ppm	Low
Se	0.00	ppm	Low	Br	0.00	ppm	Low
Br	0.00	ppm	Low	I	0.00	ppm	Low
I	0.00	ppm	Low	Sn	0.00	ppm	Low
Sn	0.00	ppm	Low	Pb	0.00	ppm	Low
Pb	0.00	ppm	Low	Cd	0.00	ppm	Low
Cd	0.00	ppm	Low	Hg	0.00	ppm	Low
Hg	0.00	ppm	Low	Cr	0.00	ppm	Low
Cr	0.00	ppm	Low	M	0.00	ppm	Low
M	0.00	ppm	Low	Be	0.00	ppm	Low
Be	0.00	ppm	Low	Ba	0.00	ppm	Low
Ba	0.00	ppm	Low	Li	0.00	ppm	Low
Li	0.00	ppm	Low	Sc	0.00	ppm	Low
Sc	0.00	ppm	Low	Y	0.00	ppm	Low
Y	0.00	ppm	Low	Rb	0.00	ppm	Low
Rb	0.00	ppm	Low	Ks	0.00	ppm	Low
Ks	0.00	ppm	Low	Fr	0.00	ppm	Low
Fr	0.00	ppm	Low	Ac	0.00	ppm	Low
Ac	0.00	ppm	Low	Th	0.00	ppm	Low
Th	0.00	ppm	Low	Pa	0.00	ppm	Low
Pa	0.00	ppm	Low	U	0.00	ppm	Low
U	0.00	ppm	Low	Np	0.00	ppm	Low
Np	0.00	ppm	Low	Pu	0.00	ppm	Low
Pu	0.00	ppm	Low	Am	0.00	ppm	Low
Am	0.00	ppm	Low	Cm	0.00	ppm	Low
Cm	0.00	ppm	Low	Bk	0.00	ppm	Low
Bk	0.00	ppm	Low	Cf	0.00	ppm	Low
Cf	0.00	ppm	Low	Es	0.00	ppm	Low
Es	0.00	ppm	Low	Fm	0.00	ppm	Low
Fm	0.00	ppm	Low	Md	0.00	ppm	Low
Md	0.00	ppm	Low	La	0.00	ppm	Low
La	0.00	ppm	Low	Ce	0.00	ppm	Low
Ce	0.00	ppm	Low	Pr	0.00	ppm	Low
Pr	0.00	ppm	Low	Nd	0.00	ppm	Low
Nd	0.00	ppm	Low	Pm	0.00	ppm	Low
Pm	0.00	ppm	Low	Sm	0.00	ppm	Low
Sm	0.00	ppm	Low	Eu	0.00	ppm	Low
Eu	0.00	ppm	Low	Gd	0.00	ppm	Low
Gd	0.00	ppm	Low	Tb	0.00	ppm	Low
Tb	0.00	ppm	Low	Dy	0.00	ppm	Low
Dy	0.00	ppm	Low	Ho	0.00	ppm	Low
Ho	0.00	ppm	Low	Er	0.00	ppm	Low
Er	0.00	ppm	Low	Tm	0.00	ppm	Low
Tm	0.00	ppm	Low	Yb	0.00	ppm	Low
Yb	0.00	ppm	Low	Lu	0.00	ppm	Low
Lu	0.00	ppm	Low				

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FINDINGS:

- MANY OF THE ORIGINAL MAPLE TREES REMAIN
- DENSE SURFACE ROOTS FROM MAPLE TREES FILL PLANTERS
- DENSELY ESTABLISHED LIRIOPE WITH THICK ROOT MATTING
- LIGHT POLES, SIGNS, AND OTHER UTILITIES LOCATED IN BEDS
- BEDS RANGE FROM BARE SOIL TO FULLY VEGETATED
- MAINLY PART-SHADE TO SHADE CONDITIONS, SOME FULL SUN
- MAINLY ON NORTH SIDE OF STREET
- SOIL PH SLIGHTLY ACIDIC, ORGANIC MATTER TOPPED AROUND 14%

EXISTING CONDITIONS - EXISTING PLANT SPECIES



Town of Vienna Existing Vegetative Cover

Botanical Name	Common Name	*Area(s) Where Present
Tree		
Acer buergerianum	Trident Maple	MN1,2,3,11,12,13,14,23,24,25,27,29,35 MS1,1A,1C,2,3,4,5,6,7,8,9,11,12,12A,12B,13,14,15,16,17,18,20,21,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44 CN8,12A,15,17,18,19 CS4,5,9,13,14,15,16,18
Acer palmatum	Japanese Maple	CN11 CS10,11
Acer platanoides	Norway Maple	MN32
Acer rubrum	Red Maple	MN5,6,7,8,9,13,14,15,16,17,20,21,23,25A,29,31,3
Acer saccharum	Sugar Maple	MN26,32,33
Amelanchier sp.	Serviceberry sp.	MS31 CS1,26
Catalpa bignonioides	Southern Catalpa	MS31 CN1,6
Cercis canadensis	Eastern Redbud	MN14,15,18,20,33 MS27,31 CN11,12
Cornus florida	Flowering Dogwood	CN12A,12B
Cornus florida x kousa	Hybrid Dogwood	CN14
Crataegus sp.	Hawthorn sp.	MS31
Ilex opaca	American Holly	MN26 MS3
Juglans nigra	Black Walnut	MN1,2,4,13,14,18,20,21,23,24,25,29,30,31,32,34,35 MS12,14,15,16,19,21,22,24,27,30,31,32,34,35 CN12A C
Juniperus virginiana	Red Cedar	MN7,11,14,23,33 MS3,15,17,31,3;
Lagerstroemia indica	Crepe-Myrtle	MN17 CN9,11 CS20,21,22,23,24
Magnolia virginiana	Sweetbay Magnolia	MS19
Malus sp.	Crabapple sp.	MN20 MS32
Morus alba	White Mulberry	MN20,26,31,34 MS1,2,8,39,4;
Prunus avium	Bird Cherry	MS37
Prunus serotina	Black Cherry	MN2,7,26,33 MS3,8,12,16,26,34,36,40 CN6,11,18 CS5,;
Prunus subhirtella	Higan Cherry	MN27A
Pyrus calleryana	Callery Pear	MN1,15,18,20,33,34 MS1,7,9,18,22,23,25,26,27,28,29,31,35,36,39,42,43,4;
Quercus palustris	Pin Oak	CN8,9
Quercus phellos	Willow Oak	MN12,17,18,23,34 CN15
Quercus rubra	Northern Red Oak	MN34
Quercus sp.	Oak sp.	CN19
Sassafras albidum	Sassafras	MN30
Styphnolobium japonicum	Scholar-tree	MN33 MS22
Styrax japonica	Japanese Snowbell	CN1,5,6,7 CS10,19,28
Thuja occidentalis	Eastern White Cedar	CN12
Ulmus sp.	Elm sp.	MN23,31 MS5,8,11,27,28,31
Shrub		
Abelia sp.	Abelia sp.	CS26
Berberis thunbergii	Japanese Barberry	MN26,28,29 MS9,11,15,17 CN4,11
Buxus sempervirens	Boxwood	CN8,10
Chaenomeles speciosa	Flowering Quince	MN13,23 MS24
Chamaecyparis pisifera	Sawara False-Cypress	MN15,20,23 MS1,20,23
Clethra alnifolia	Summersweet	MS16
Euonymus alatus	Burningbush	MN23
Hypericum calycinum	Aaron's Beard	MN34 MS14,18
Ilex cornuta	Chinese Holly	M17,18,32,34 MS13,16,18 CS1,2;
Ilex crenata	Japanese Holly	MN14,19 MS12,31,32,35,37,38,39,42,44 CN11,1;
Ilex glabra	holibaerry	MN24 MS8 CS3
Juniperus sp.	Juniper sp.	MN14 MS3,21 CS4,11,12
Lavandula angustifolia	English Lavender	CS25,26
Lonicera maackii	Amur Honeysuckle	MN1,6,7,15,19,20,21,23,25A,32,33,34,35 MS2,5,8,11,15,17,18,20,22,23,25,26,30,32,34,37,40 CN8,13,14,15 CS;
Nandina domestica	Heavenly Bamboo	MN22*,31,33,35 MS10,12,19 CN10,12 CS10,27,2;
Prunus laurocerasus	English Cherry Laurel	CS5,10,12
Physocarpus opulifolius	Common Ninebark	MN14
Rosa sp.	Rose sp.	CN3 CS21,29
Spiraea japonica	Japanese Spiraea	MN10,33 MS11 CN12A CS3
Viburnum dentatum complex	Arrowwood Viburnum complex	CS13
Woody Vine		
Ampelopsis glandulosa var. brevipedunculata	Porcelainberry	MN1,7,23,33,35 MS2,8,13,16,17,18,19,24,26,27,28,29,30,35,40,43 CN5,8,9,11,15 CS1,;
Celastrus orbiculatus	Oriental Bittersweet	MN24,30,34 MS2,11,12,19,22,26,27,30,33 CN;
Clematis terniflora	Sweet Autumn Clematis	MS2
Euonymus fortunei	Wintercreeper	MN25,34 MS2,13,17,18,35,39,42,44 CN5,7,13,1;
Hedera helix	English Ivy	MN34,11 MS13,18,26,39,41,42 CN8,13,15 CS5,1;
Parthenocissus quinquefolia	Virginia Creeper	MN20 MS3,11,18,19,22,35,42 CN7,15,18 CS10,2;
Parthenocissus tricuspidata	Boston Ivy	MN6 MS19
Smilax sp.	Greenbriar sp.	MN11 CN6
Toxicodendron radicans	Poison Ivy	MN31,33,34 MS9,23,26,27
Forb		
Acalypha rhomboidea	Three-seeded Mercury	CN8
Aegopodium podagraria	Goutweed	CN3
Allium vineale	Field Garlic	MN12,16,17 MS32
Arachis hypogaea	Peanut	MN18
Arenaria serpyllifolia	Thyme-leaved Sandwort	MN11,14 MS1A,26,27
Artemisia vulgaris	Mugwort	MN7,16 MS22,31
Asclepias syriaca	Common Milkweed	MS12
Bidens sp.	Beggarticks sp.	CS22
Cardamine hirsutus	Hairy Bittercress	MN18,27,30 MS13,16
Centaurea cyanus	Bachelor's Buttons	CN1,CN16 CS6,9
Cerastium fontanum	Mouse-eared Chickweed	MN23,32,35 MS1B,12
Chenopodium sp.	Goosefoot sp.	CN13
Chrysanthemum sp.	Mums sp.	CN16 CS29
Commelina communis	Asiatic Dayflower	MN30 CS23
Coreopsis sp.	Tickseed sp.	CN8 CS1
Coreopsis verticillata	Whorled Coreopsis	MS31 CN2,5,6,15 CS1,1,1,24
Echinacea purpurea	Purple Coneflower	MN3,12,14,32 MS14,19,33,31 CN2,5,6,7,8 CS1,7,8,9,25,2
Erechtites hieracifolia	Pilewort	MN14,33
Geranium ensifolium	Horsetail	MN7,14,26,27,32,33,35 MS3,7,8,9,13,23,26,31,3
Erigeron philadelphicus	Philadelphia Fleabane	MS1
Euphorbia (Chamaesyce) sp.	Sandmat sp.	MN25B,32

Town of Vienna Existing Vegetative Cover

Botanical Name	Common Name	*Area(s) Where Present
Tree		
Galium aparine	Cleavers	MS34 CN6
Geranium carolinianum	Carolina Geranium	MN26,35 MS16 CN14
Hemerocallis 'Stella de Oro'	Stella de Oro Daylily	MN21,32,33,35 MS2,3,16,18,20,21,25 CN7,14 CS2,3,4,9,20,25,2
Hosta sp.	Plantain Lily sp.	MS33,34,40 CS9
Hyacinthus orientalis	Hyacinth	MS39 CN3
Hydroleichthys spectabile	Showy Stonecrop	MS11,12,23,31,34 CN1
Iris siberica	Siberian Iris	CN1
Iris x germanica	Bearded Iris	CN1
Lactuca serriola	Prickly Lettuce	MN1,6,11,13,14,15,18,32,33,35 MS3,8,11,15,16,17,20,21,23,34,4
Lamium amplexicaule	Henbit	MN11,12,13,14,23,27,31,32,33 MS8,42 CN1;
Lepidium sp.	Pepperweed sp.	M14 MS44
Leucanthemum vulgare	Ox-eye Daisy	MS13
Leucanthemum x superbum	Shasta Daisy	CN1 CS1
Liatris spicata	Dense Blazing Star	MN29,30,31
Liriope muscari	Clumping Lilyturf	MN1,25,34 MS4,13,20,36,39 CN5,6,7,11,13,14,15,16,17,18,19 CS1,4,5,8,11,12,13,14,15,16,22,;
Liriope spicata	Creeping Lilyturf	MN1,2,4,5,6,7,8,9,12,13,14,15,16,22*,24,31,32 MS5,6,7,8,21,23,24,25,26,27,28,29,30,31,32,33,34,35,38,39,40,41,42,43,44 CN12,12A,14 CS11
Mollugo verticillata	Carpetweed	MS1A
Muscari sp.	Grape Hyacinth sp.	MN13
Narcissus sp.	Daffodil sp.	MN1,2,6,7,9,10,11,12,13,14,15,16,26,32 MS3,4,8,9,12,13,14,16,17,20,21,22,23,27,28,29,31,32,33,34,38,39,40,41,43,44 CN7,13,14,15,16,17 CN3 CS4,6,7,8,14,15,20,21,22,26
Nepeta x faassenii	Blue Catmint	MN12,17,18,33 CN16 CS8,9
Nothoscordum bivalve	Crowpoison	MN29,30
Nuttallanthus canadensis	Old-field Toadflax	MN16
Oxalis sp.	Wood Sorrel sp.	MN11,13,14,25A,26,27A,32,33,34,35 MS1,3,37,40 CN14 CS;
Phytolacca americana	Pokeweed	MS25 CN7
Plantago lanceolata	English Plantain	MN8,34 MS3,9
Plantago major	Common Plantain	MN15
Platycodon grandiflorum	Balloonflower	MN12,16,30,33,35 MS2,3,13,16,24,3;
Polygonum aviculare	Prostrate Knotweed	MN32 MS34
Ranunculus abortivus	Kidneyleaf Buttercup	MN26
Rudbeckia fulgida	Black-eyed Susan	MN10 CN16 CS3,12,25,26
Rumex crispus	Yellow Dock	MS3
Salvia nemorosa	Wood Sage	CS22,23,24
Saponaria officinalis	Bouncing Bet	MS27
Scieranthus annuus	Knawel	MN33
Sedum sp.	Stonecrop sp.	CN1
Senecio vulgaris	Common Groundsel	MN11,12,13,14,15,16,19,21,23,24,25A,26,29,32,33,34,35 MS1,18,7,8,9,11,15,22 CN1
Solanum carolinense	Carolina Horse-nettle	MN13,17,35 CN4 CS25
Sonchus asper	Prickly Sow-thistle	MN7,11,15,18,27A,29,31,33 MS2,11,12,12A,15,34,37,43 CN12;
Sonchus oleraceus	Annual Sow-thistle	MN23 MS26,27
Stellaria media	Common Chickweed	MN11,14,17,23,25A,29,32 MS1,3,8,11,12A,13,16,17,20,31,34 CS1
Symphoricarichum lanceolatum	Panicked Aster	MN31 MS2,18
Symphoricarichum pilosum	Frost Aster	MN23 MS2
Taraxacum officinalis	Common Dandelion	MN2,7,8,11,12,13,15,18,19,22,23,26,29,31,32,33,34,35 MS1,3,8,15,17,27,31,32,33,34,39,40 CN9,12A CS7,;
Tradescantia virginiana	Virginia Spiderwort	MN34
Tragopogon sp.	Salsify sp.	CN12B
Trifolium dubium	Least Hop Clover	MN3,33,34 MS8,9 CS13
Trifolium repens	White Clover	MN33,34 MS1,3
Tulipa sp./cv.	Tulip sp./cv.	MN1,12,13,14,17,20,21,26,31,32,33 MS4,5,11,12,13,14,15,17,23,24,25,27,30,31,32,33,34,35,38 CN5,7,9,12B,13,14,18,19 CS4,9,20,22
Veronica arvensis	Corn Speedwell	MN20 MS12,12A CN14
Veronica peregrina	Purslane Speedwell	MN14 MS3
Vinca major	Greater Periwinkle	CN15 CS20
Vinca minor	Periwinkle	CN12A,12B CS13
Viola sororia	Common Blue Violet	CN5,7
Yucca filamentosa	Adam's Needle Yucca	MN30 CN2
Zinnia elegans	Zinnia	MN14
Herbaceous Vine		
Calystegia sepium	Hedge Bindweed	MN29 CS3
Vicia sativa	Common Vetch	MN17 MS18,32
Grasses, Sedges, and Rushes		
Anthoxanthum odoratum	Sweet Vernal Grass	MN31
Bromus inermis	Smooth Brome	MN34 MS20
Bromus tectorum	Cheatgrass	MN31 MS16
Cynodon dactylon	Bermudagrass	MN34
Cyperus esculentus	Yellow-nutsedge	MN13,14,32 MS8,25,43 CN4,12
Dactylis glomerata	Orchardgrass	MN4 MS2,42 CS5
Digitaria sp.	Crabgrass sp.	MN11,18,25,25B,30,33
Festuca arundinacea	Tall Fescue	MN1,2,4,7,8,14,15,19,21,23,29,31,32,34,35 MS2,3,6,7,13,15,20,21,40,41,42,43,4;
Juncus effusus	Soft Rush	MS5
Lolium perenne	Perennial Rye	MN23
Pennisetum alopecuroides	Fountaingrass	MN20 MS11 CS3
Poaceae	Grass sp.	MN3,25A,27A,33,35 MS1A,9,11,13,15,16,17,26,27,29,36,37,4
Poa annua	Annual Bluegrass	MN14,16,26,32 MS3,7,39 CN1C
Poa pratensis	Kentucky Bluegrass	MN5,8,9,1 MS12,16,17,21,22,28,29,38,40,4;
Secale cereale	Winter Rye	MS12

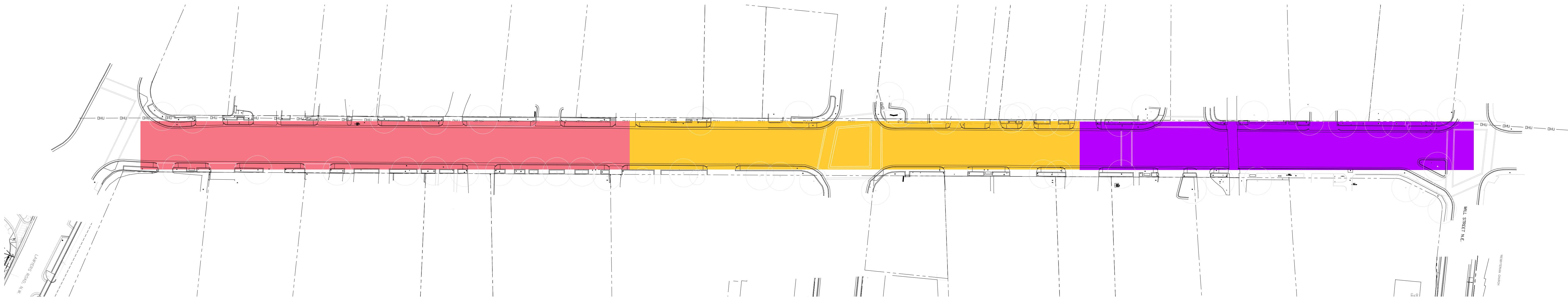
*Plants match adjacent business plantings

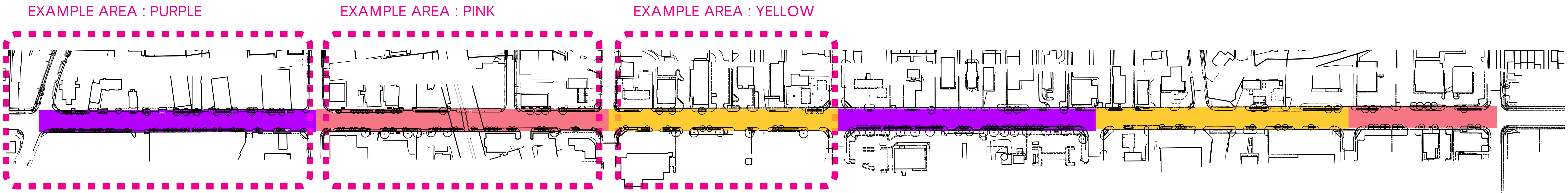
Forb		
Acalypha rhomboidea	Three-seeded Mercury	CN8
Aegopodium podagraria	Goutweed	CN3
Allium vineale	Field Garlic	MN12,15,17 MS32
Arachis hypogaea	Peanut	MN18
Arenaria serpyllifolia	Thyme-leaved Sandwort	MN11,14 MS1A,26,27
Artemisia vulgaris	Mugwort	MN7,16 MS22,31
Asclepias syriaca	Common Milkweed	MS12
Bidens sp.	Beggarticks sp.	CS22
Cardamine hirsutus	Hairy Bittercress	MN18,27,30 MS13,16
Centaurea cyanus	Bachelor's Buttons	CN1,CN16 CS6,9
Cerastium fontanum	Mouse-eared Chickweed	MN23,32,35 MS1B,12
Chenopodium sp.	Goosefoot sp.	CN13
Chrysanthemum sp.	Mums sp.	CN16 CS29
Commelina communis	Asiatic Dayflower	MN30 CS23
Coreopsis sp.	Tickseed sp.	CN8 CS1

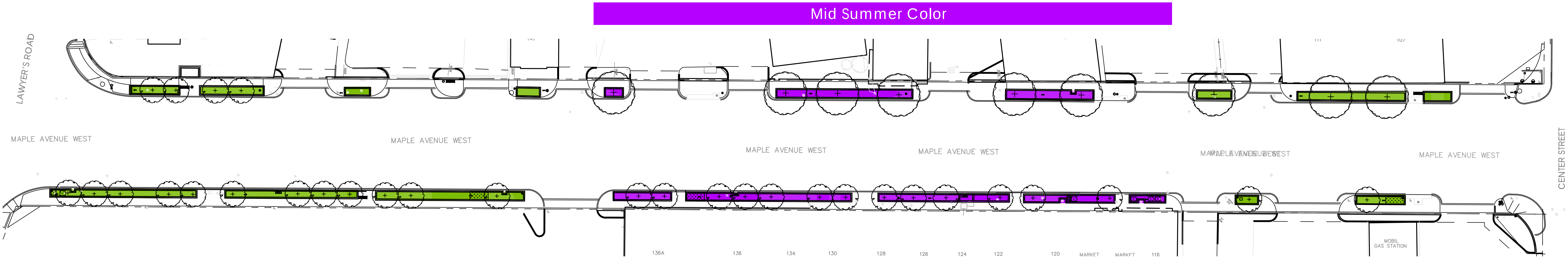
MAPLE AVE & CHURCH ST STREETSCAPE

REFINED CONCEPT PLAN - CHURCH ST

COLOR, TEXTURE, CONSISTENCY







Salvia nemerosa 'May Night'
Wood Sage



Penstemon digitalis 'Huskers Red'
White Beardtongue

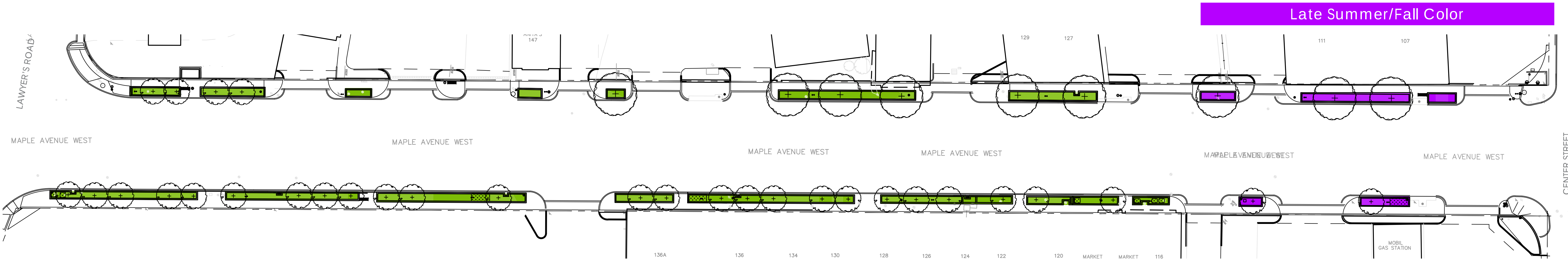


Geranium 'Rozanne'
Rozanne Geranium



Allium 'Purple Sensation'
Ornamental Onion

EXAMPLE AREA - PURPLE, LATE SUMMER



Aster cordifolius
Blue Wood Aster



Eupatorium coelestinum
Mistflower

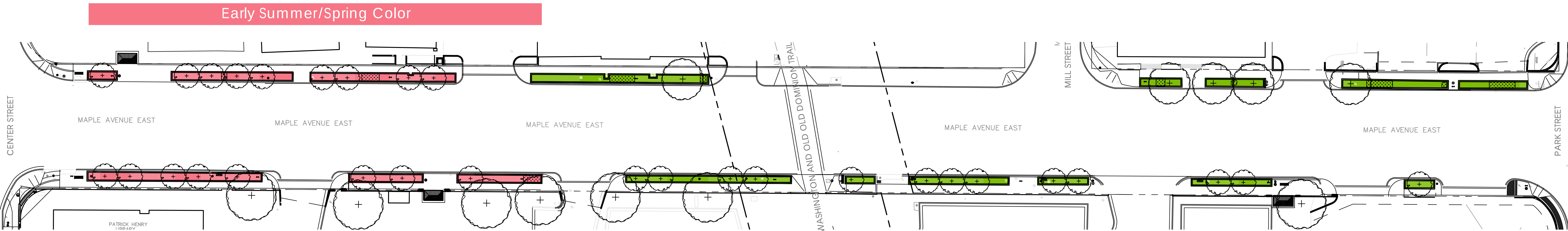


Heuchera villosa f. purpurea 'Bronze Wave'
Hairy Alumroot



Physocarpus opulifolius 'Tiny Wine'
Dwarf Ninebark

MAPLE AVE & CHURCH ST STREETSCAPE



Geranium macrorhizum
Bigroot Geranium



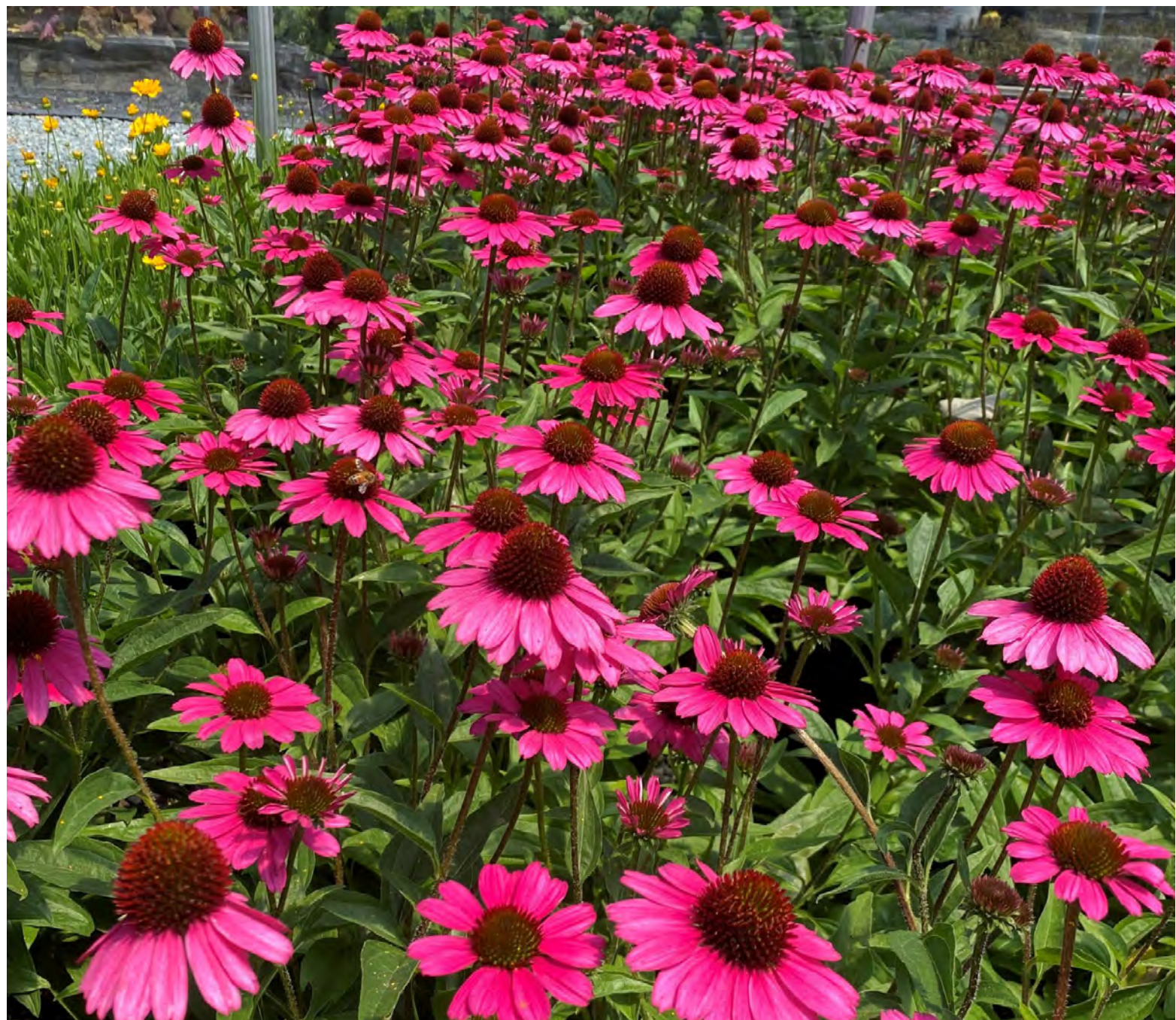
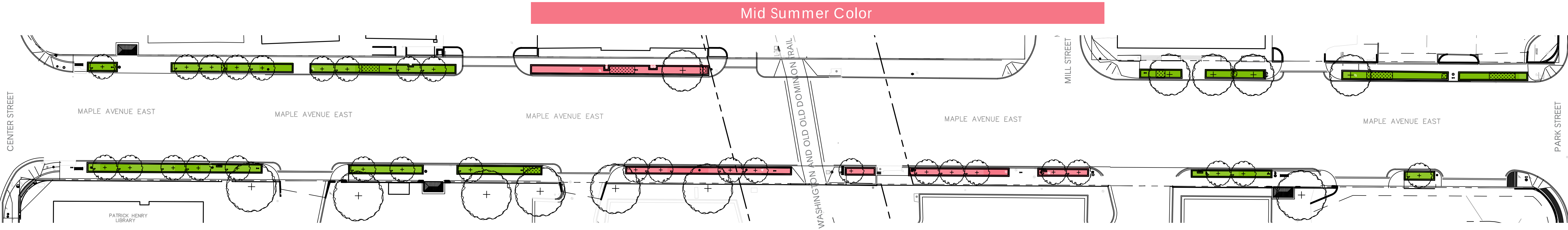
Phlox glaberrima 'Morris Berd'
Smooth Phlox



Astilbe andresii
False Goatsbeard



Helleborus orientalis
Lenten Rose



Echinacea purpurea 'Sensation Pink'
Purple Coneflower



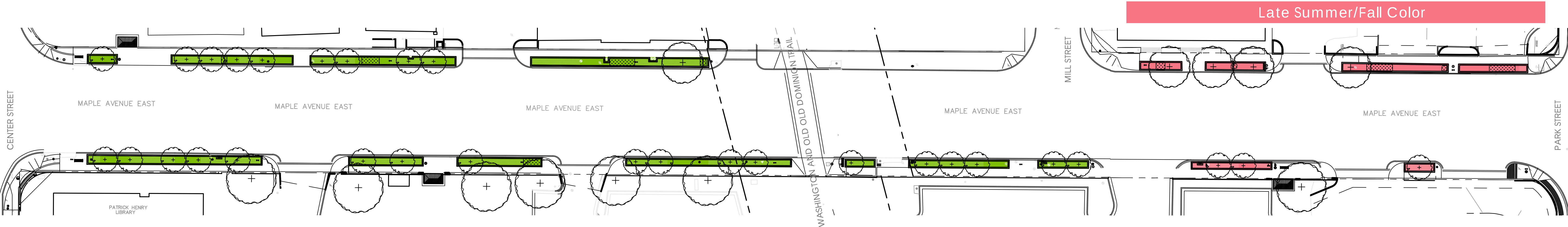
Hydrangea paniculata 'Flare'
Peegee Hydrangea



Rosa 'Coral'
Flower Carpet Coral Rose



Allium cernuum
Nodding Pink Onion



Spiraea japonica
Japanese Spiraea



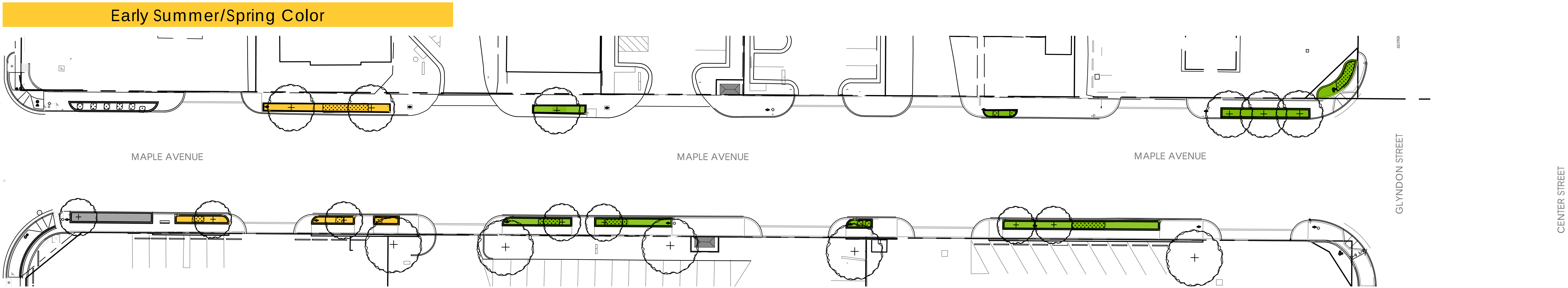
Dicentra eximia
Wild Bleeding Heart



Heuchera villosa f. purpurea 'Bronze Wave'
Hairy Alumroot



Pycnanthemum tenuifolium
Slender Mountain Mint



Narcissus 'Thalia'
Triandrus Daffodil



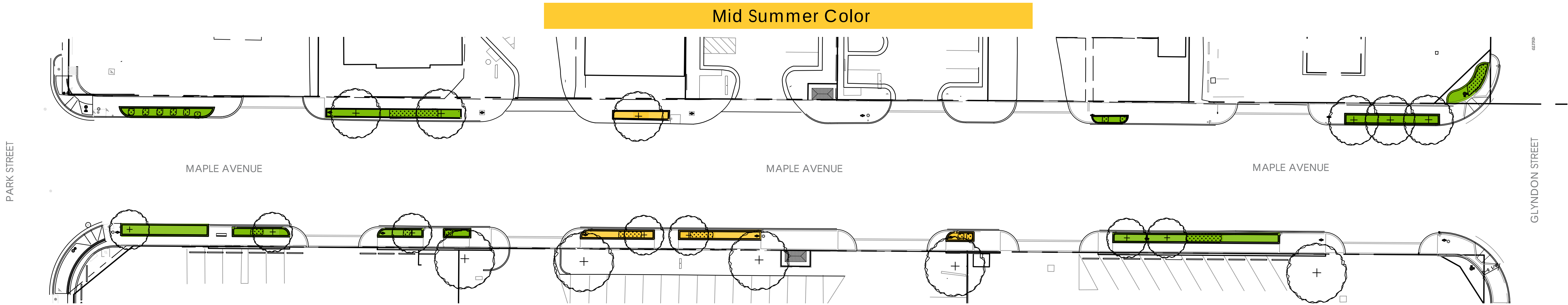
Waldsteinia fragarioides
Barren Strawberry



Senecio aureus
Golden Groundsel



Coreopsis auriculata
Mouse Ear Tickseed



Hemerocallis 'Stella de Oro'
Stella de Oro Daylily



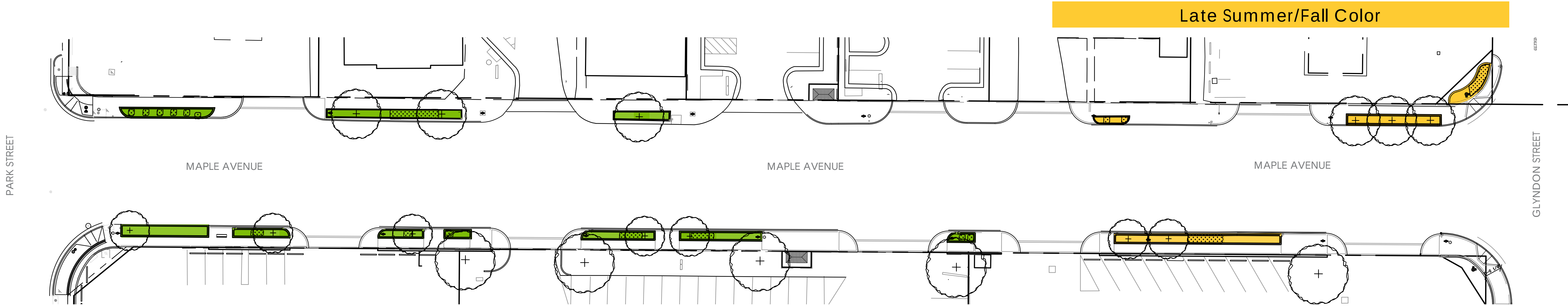
Hypericum calycinum
Creeping St. Johnswort



Hypericum prolificum
Shrubby St. Johnswort



Lysimachia lanceolata f. purpurea
Lance-leaved Loosestrife



Rudbeckia fulgida var. *fulgida*
Black Eyed Susan



Coreopsis auriculata
Mouse Ear Tickseed



Rudbeckia fulgida var. *speciosa*
Black Eyed Susan



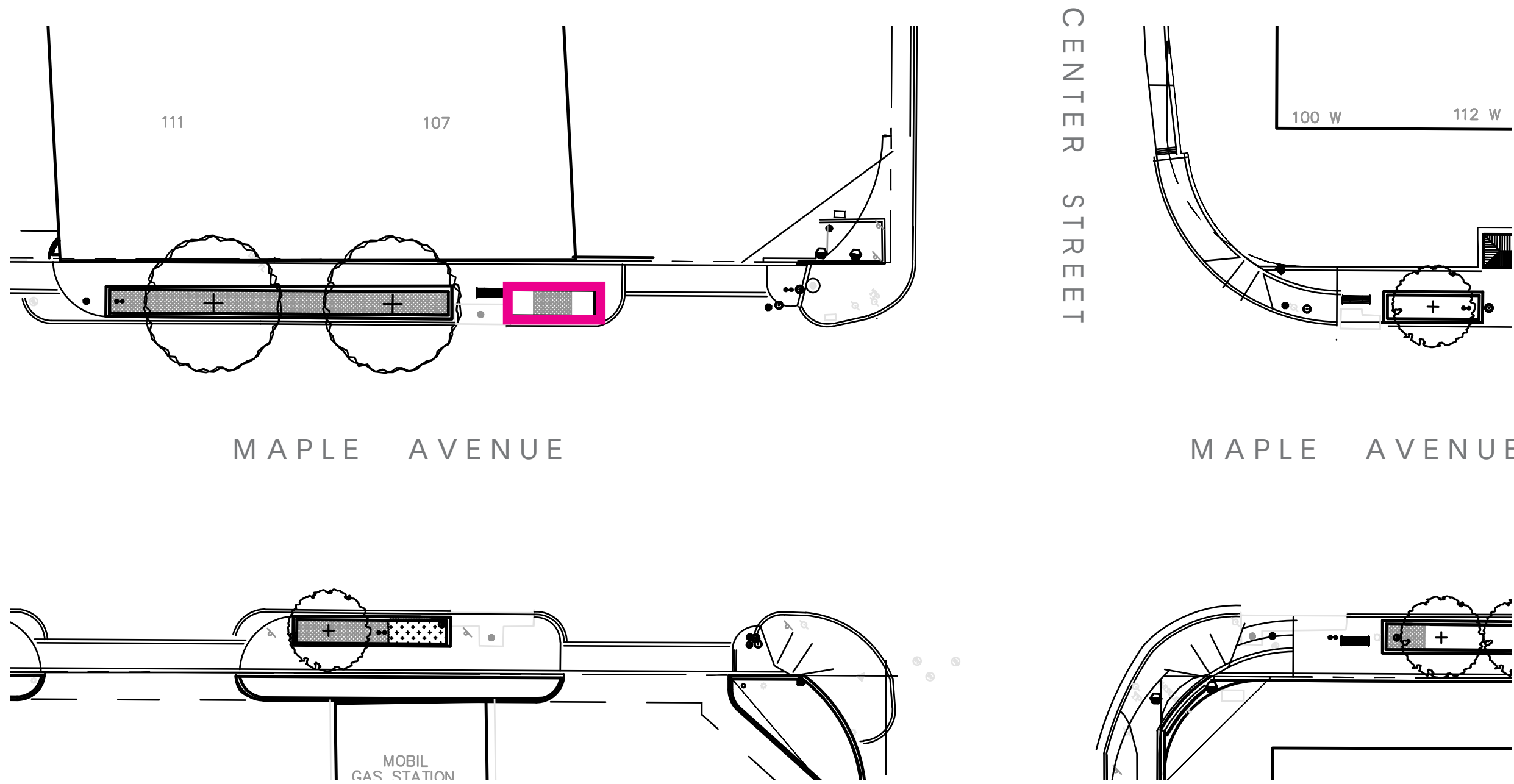
Schizachyrium scoparium 'Standing Ovation'
Little Bluestem



GROUND COVER

BRICK CURB

MULCH



CONDITION A

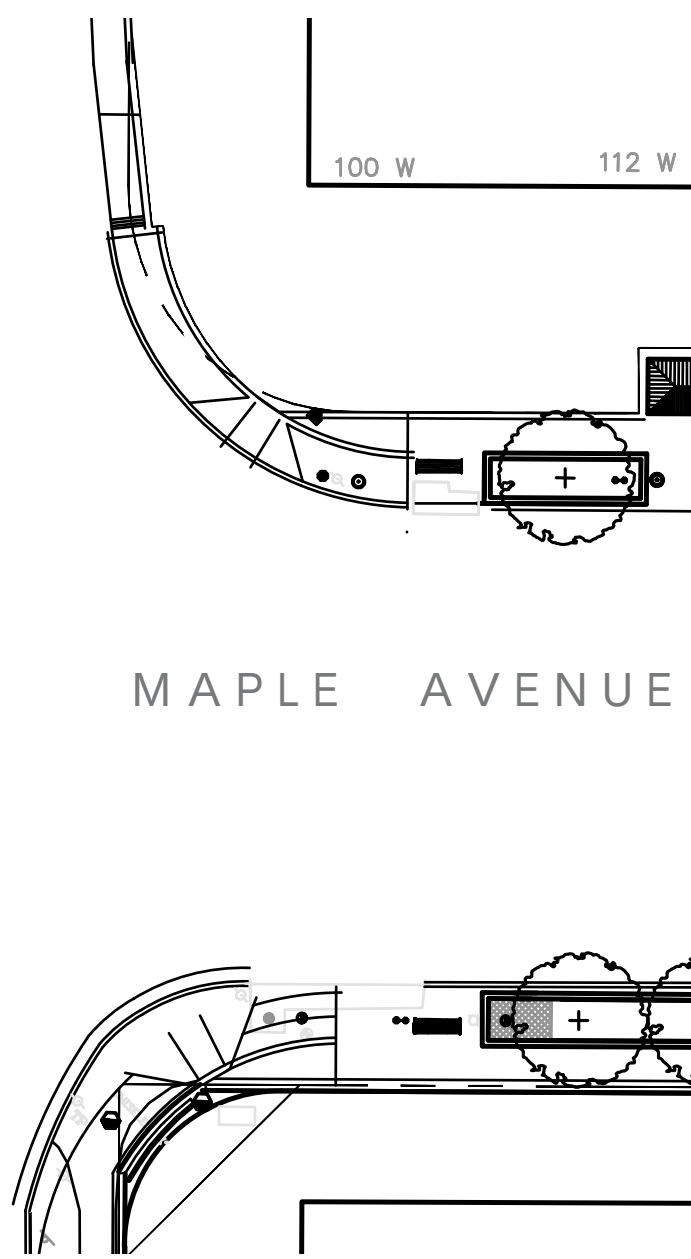
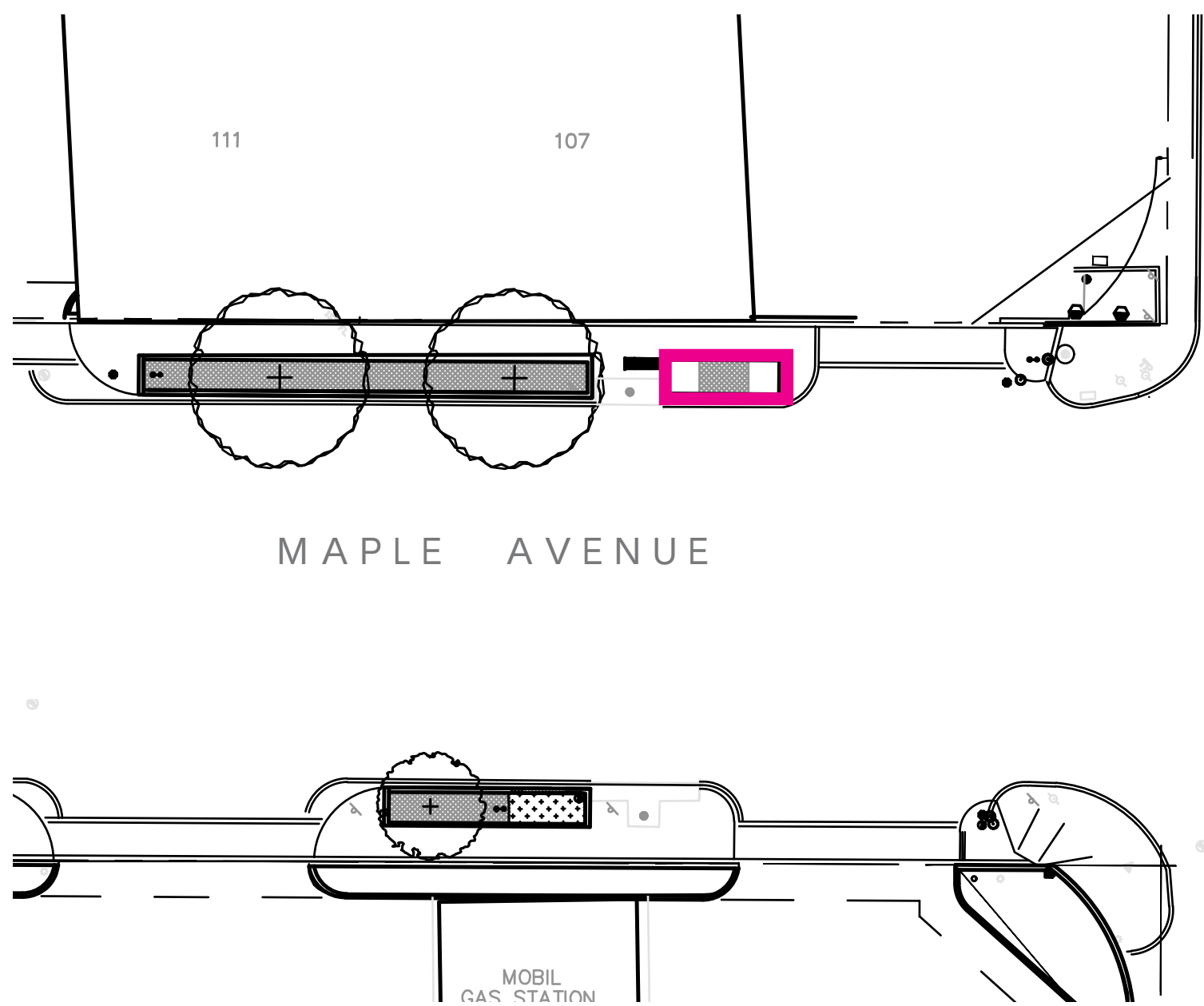
- PRIMARILY NORTH SIDE OF MAPLE AVE.
- AREAS BETWEEN TREE CANOPIES AND IN BEDS WITH NO TREES
- SOME SHRUBS AND GROUND COVER PRESENT, OTHER AREAS DEVOID OF PLANTING
- MOST FAVORABLE CONDITION FOR ESTABLISHMENT OF FLOWERING PERENNIALS



NEW PLANTING

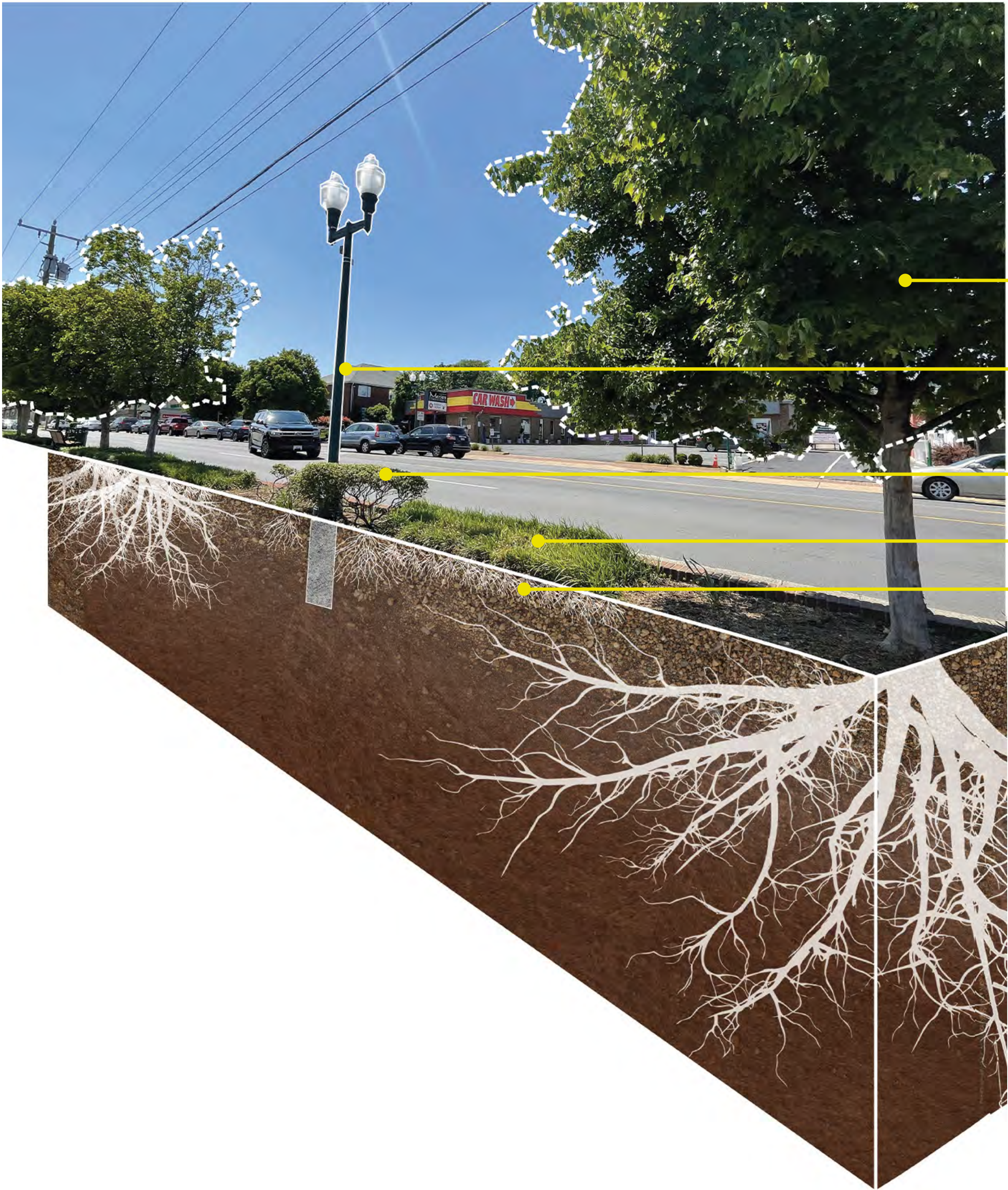
2" MULCH

18" AGITATED SOIL +
AMENDED SOIL (AS
NEEDED)

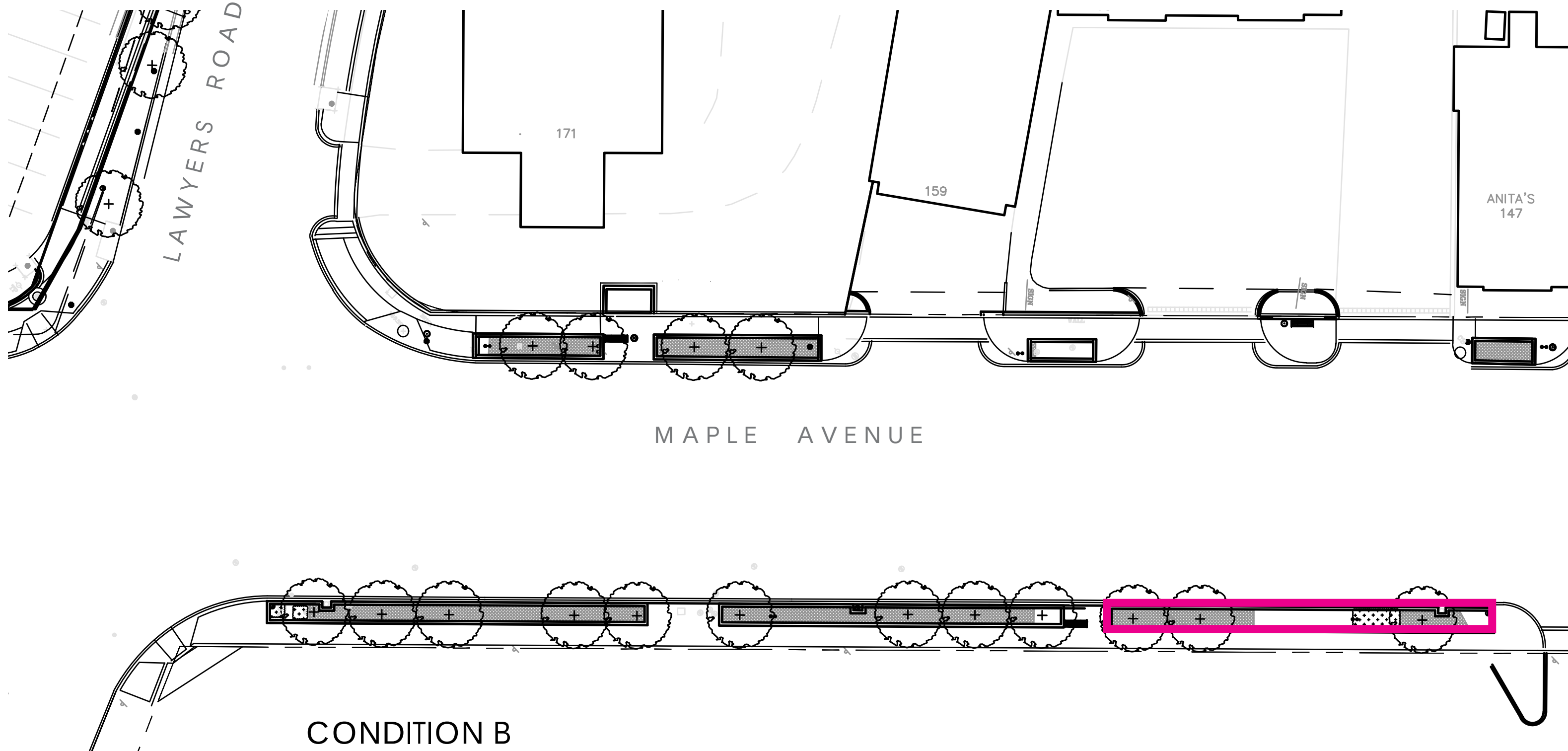


PREPARATION:

- REMOVE EXISTING SHRUBS AND GROUNDCOVERS AS SPECIFIED
- REMOVE EXISTING SURFACE MULCH
- WORK EXPOSED SUBSOIL TO A DEPTH TO 18"
- APPLY NEW SOIL / AMENDED SOIL MIX AS NEEDED TO 1" BELOW BRICK PLANTER EDGE
- WATER SOIL MIN. 4 HOURS BEFORE PLANTING AND REPLENISH SOIL TO BRING TO GRADE
- INSTALL PLANTS AND 2" MULCH



- TREE
- UTILITIES
- SHRUBS
- GROUNDCOVER
- GROUNDCOVER ROOT MAT



CONDITION B

- TREE CANOPY PROVIDES DAPPLED SHADE FOR SOME PARTS OF DAY
- SUN EXPOSURE BETWEEN OPEN CANOPY

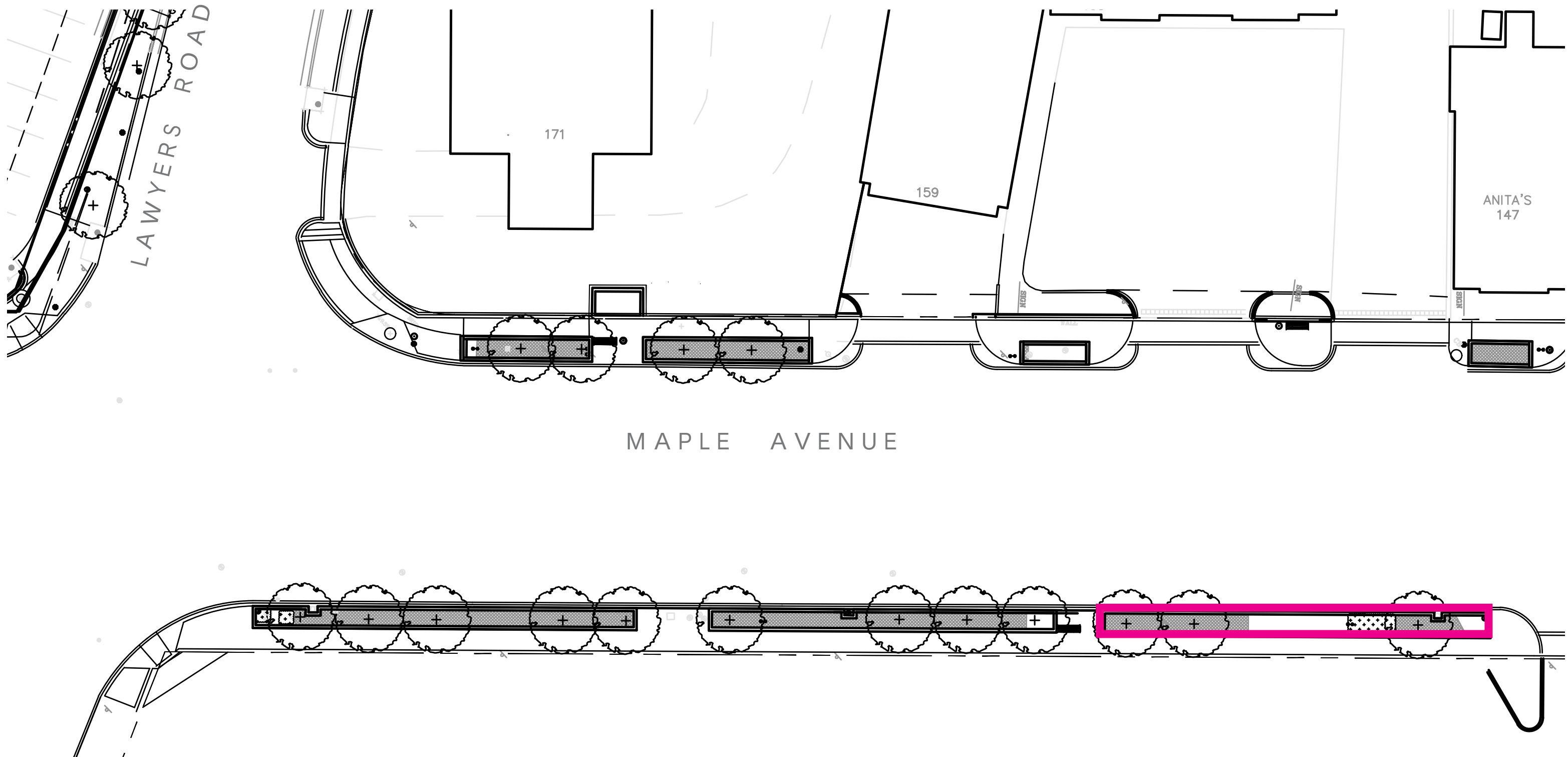


EXISTING TREE TO REMAIN

UNDERSTORY PLANTING
IN GAPS BETWEEN TREES

4' RAD. UNDISTURBED AROUND TRUNKS
(EXCEPTION FOR BULBS)

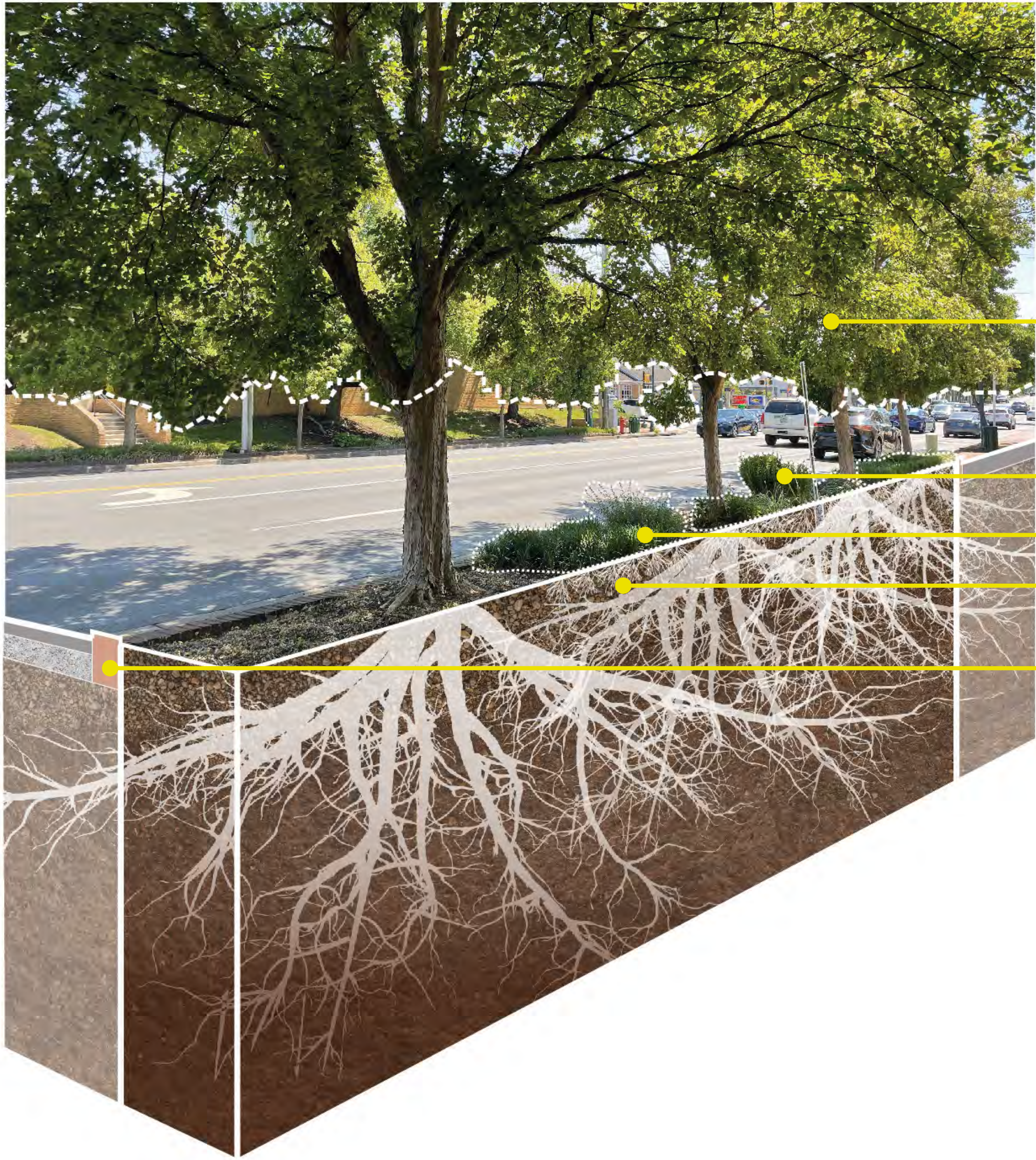
18" AGITATED SOIL + AMENDED SOIL
(AS NEEDED)



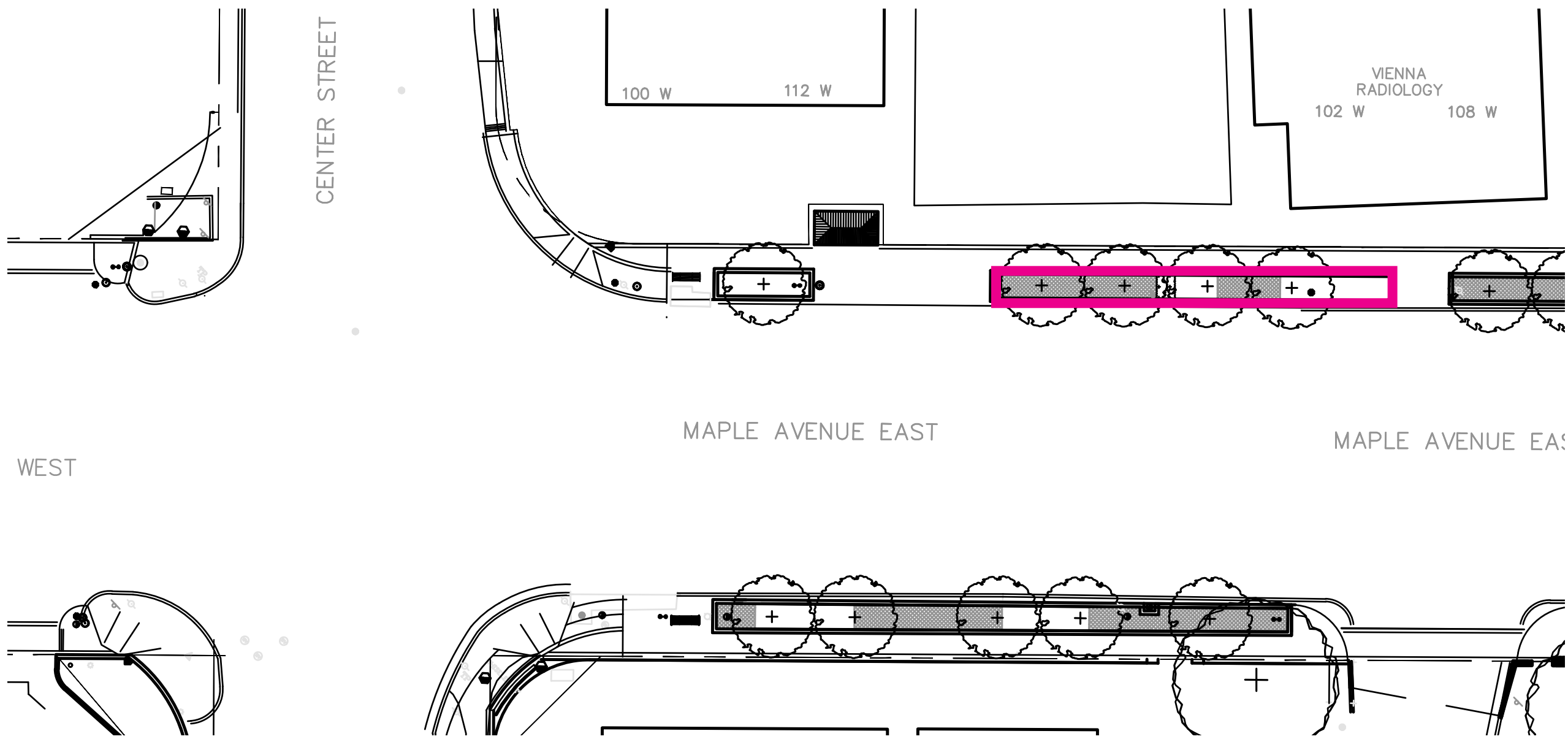
SOIL PREPARATION:

- COMPLETE TOV TREE REMOVALS/REPLACEMENTS PRIOR TO START OF WORK
- COMPLETE ROUTINE TREE CROWN AND ROOT PRUNING AND ROOT AERATION PRIOR TO START OF WORK
- REMOVE EXISTING SHRUBS AND GROWDCOVERS AS SPECIFIED
- REMOVE EXISTING SURFACE MULCH
- WORK EXPOSED SUBSOIL TO A DEPTH TO 18" WITH CARE TO PROTECT TREE ROOTS
- APPLY NEW SOIL / AMENDED SOIL MIX AS NEEDED TO 1" BELOW BRICK PLANTER EDGE
- WATER SOIL MIN. 4 HOURS BEFORE PLANTING AND REPLENISH SOIL TO BRING TO GRADE
- INSTALL PLANTS AND 2" MULCH

ROUTINE
MAINTENANCE
BY TOWN OF
VIENNA

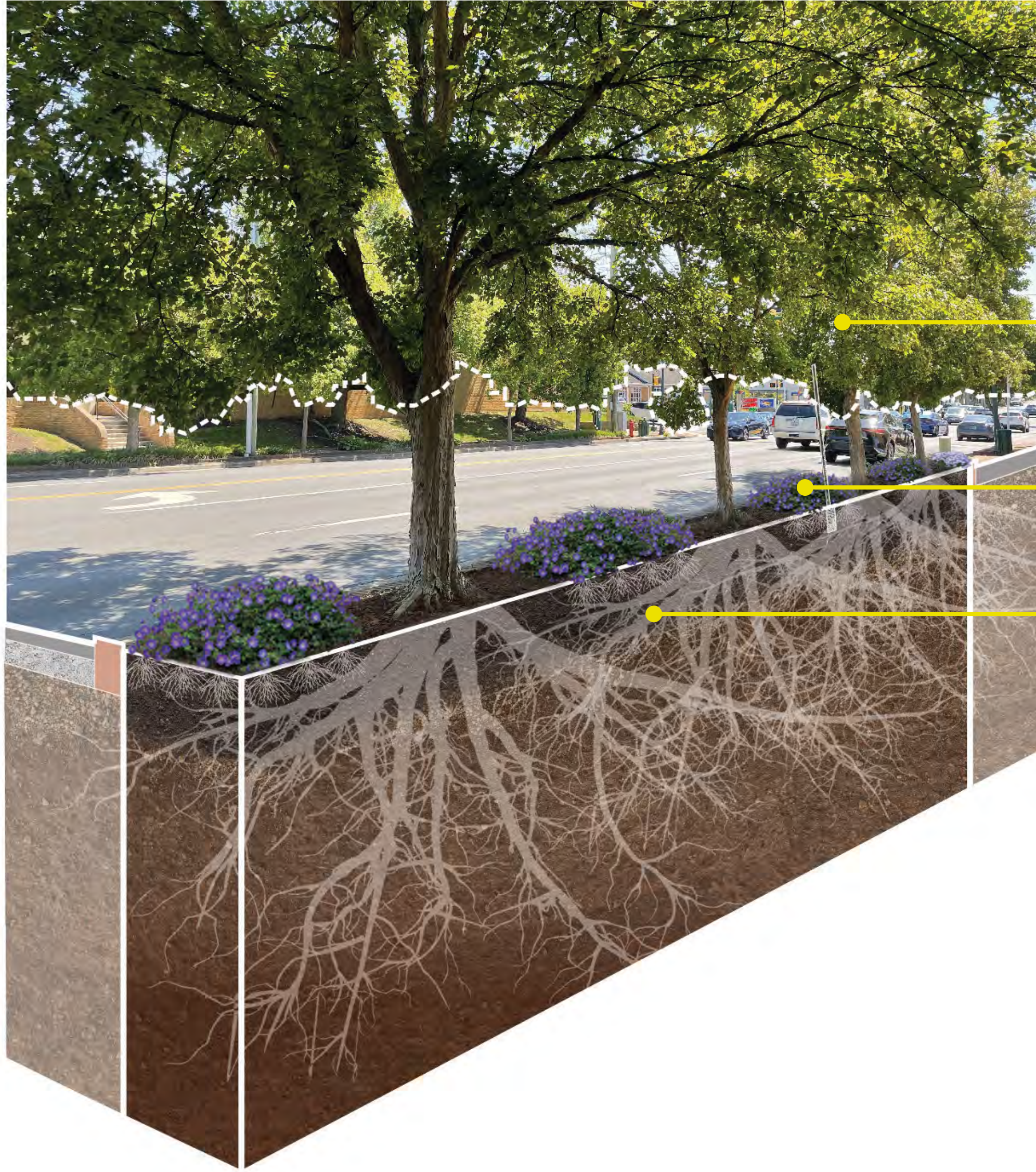


- EXISTING TREES TO REMAIN
- SHRUBS
- GROUNDCOVER
- GROUNDCOVER ROOT MAT
- BRICK CURB



CONDITION C

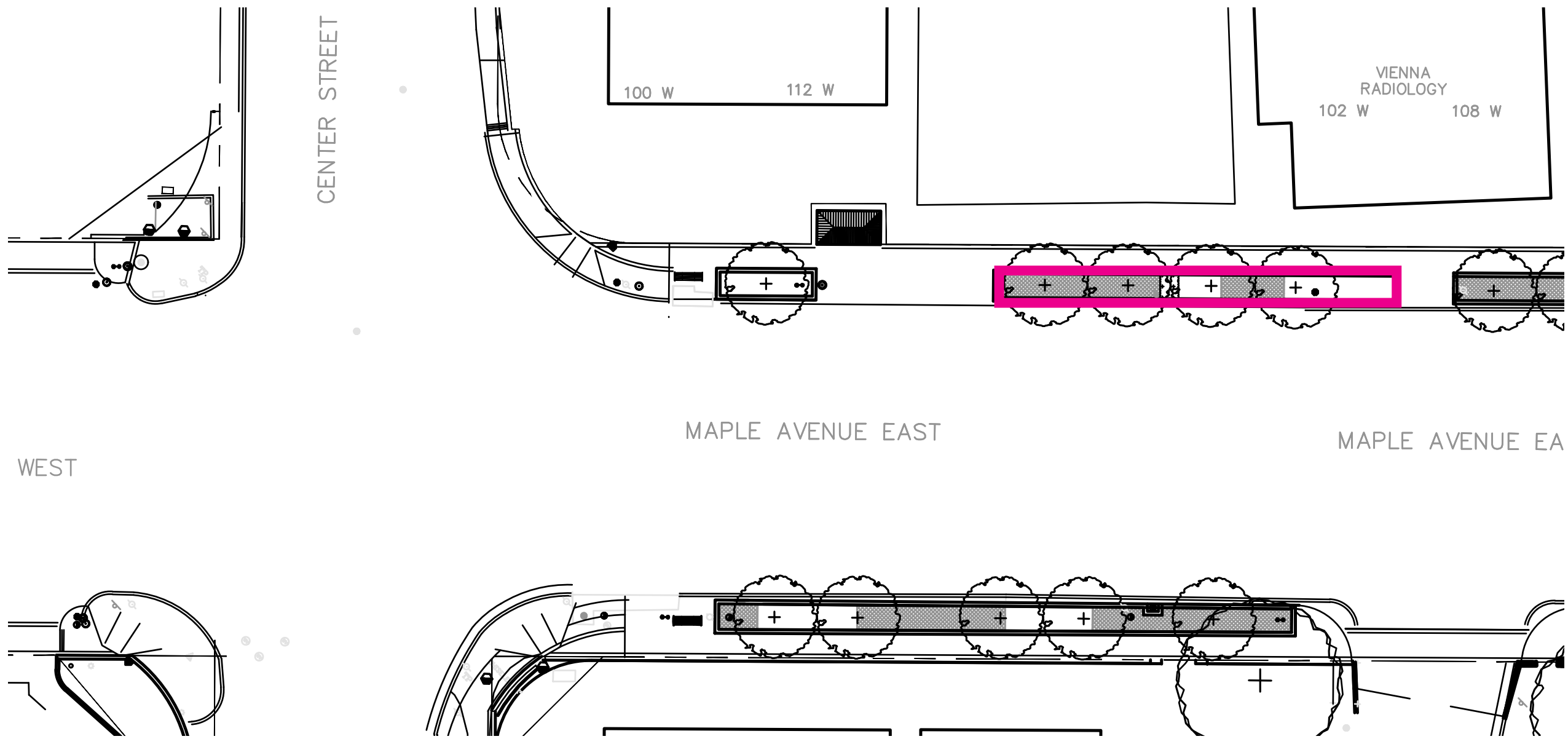
- CLOSED TREE CANOPY OR BUILDINGS PROVIDE SHADE FOR MOST OF THE DAY
- DENSE CARPETS OF ESTABLISHED LIROPE ARE COMMON
- PLANT SELECTIONS MUST BE FULLY SHADE TOLERANT



TREES

NEW PERENNIALS AND
GROUNDCOVER

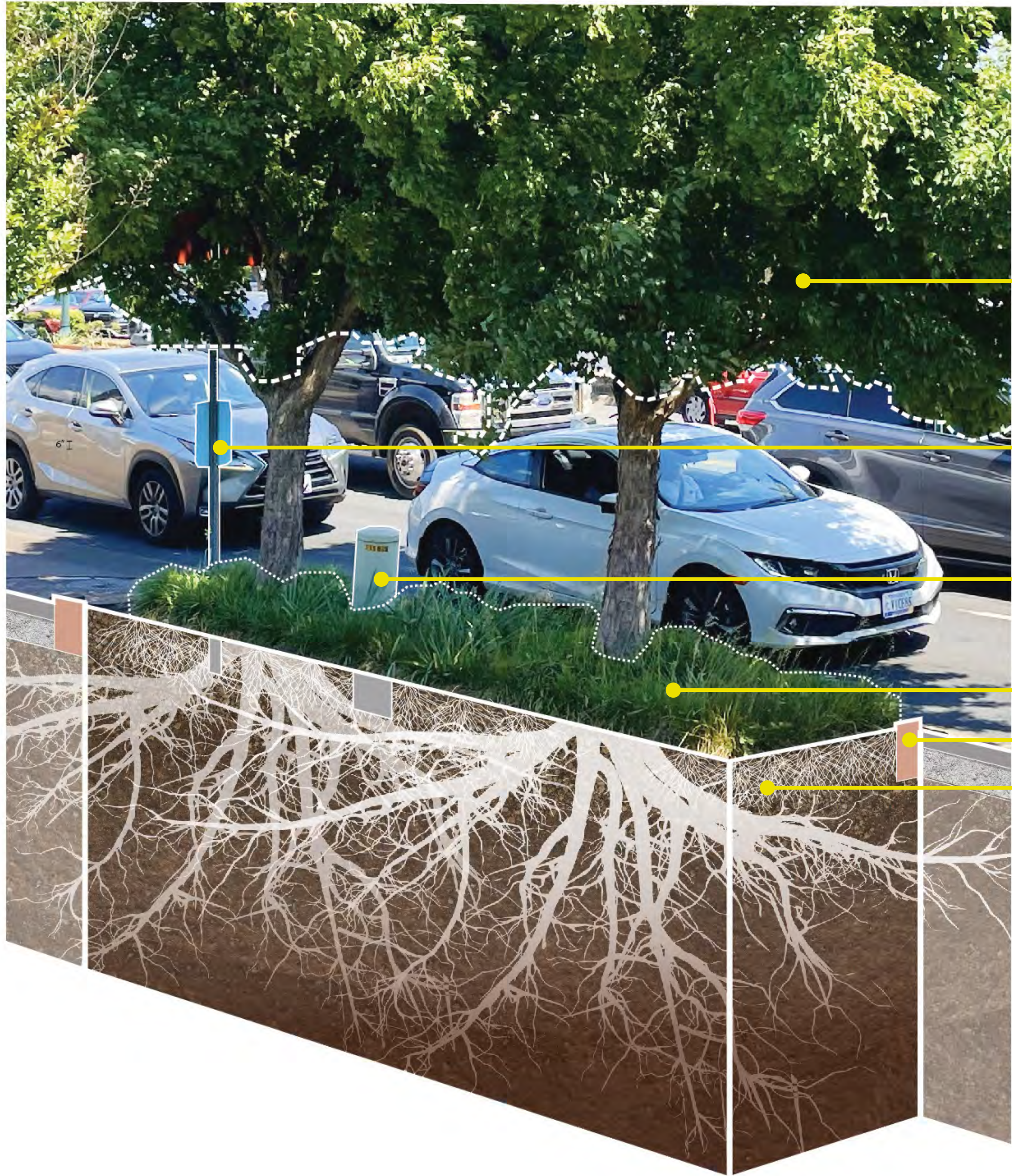
18" AGITATED SOIL +
AMENDED SOIL (AS
NEEDED). PERFORM BY
HAND TO AVOID DAMAGE
TO TREE ROOTS.



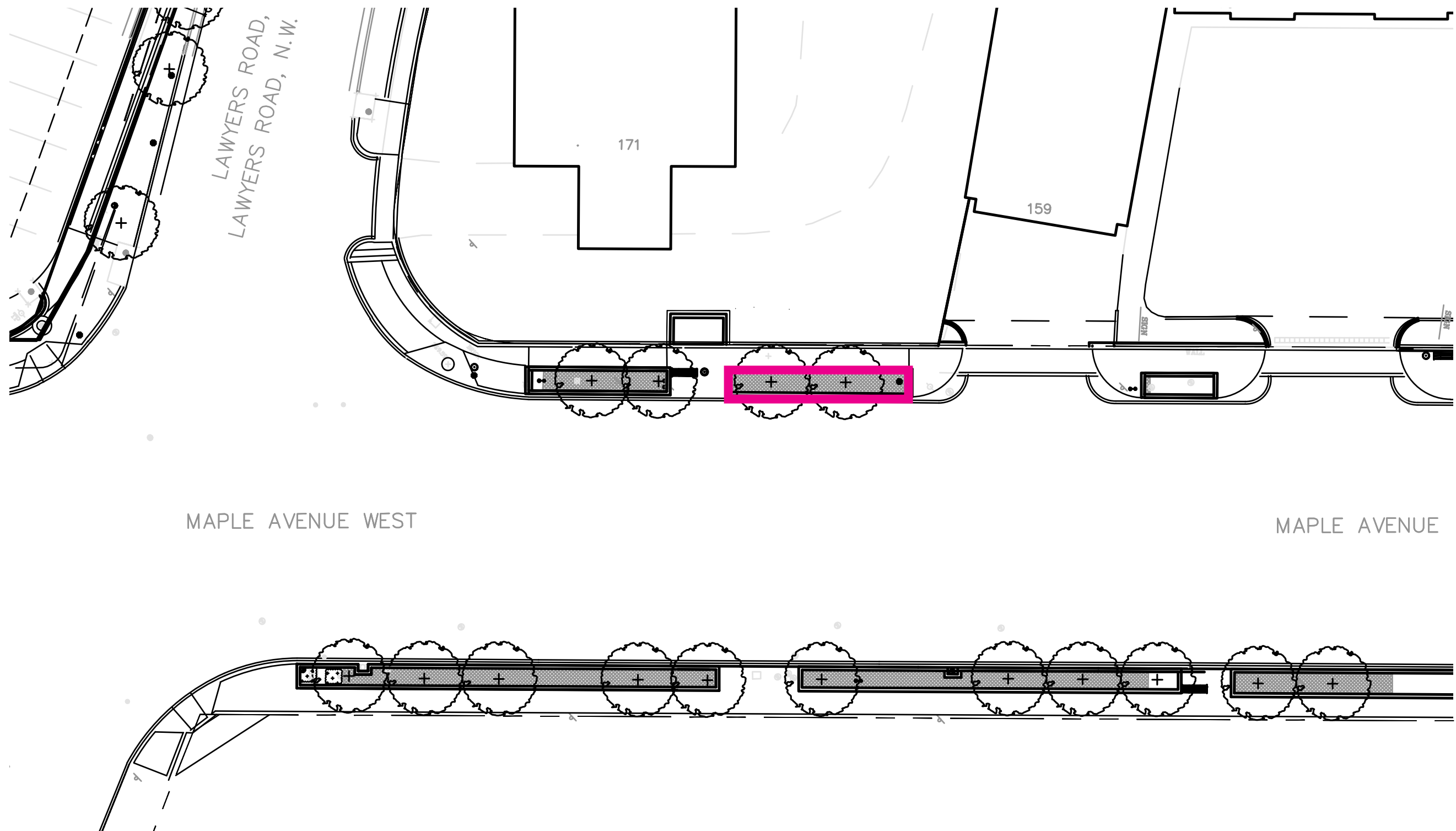
SOIL PREPARATION:

- COMPLETE TOV TREE REMOVALS/REPLACEMENTS PRIOR TO START OF WORK
- COMPLETE ROUTINE TREE CROWN AND ROOT PRUNING AND ROOT AERATION PRIOR TO START OF WORK
- REMOVE EXISTING SHRUBS AND GROUNDCOVERS AS SPECIFIED
- REMOVE EXISTING SURFACE MULCH
- WORK EXPOSED SUBSOIL TO A DEPTH TO 18" WITH CARE TO PROTECT TREE ROOTS
- APPLY NEW SOIL / AMENDED SOIL MIX AS NEEDED TO 1" BELOW BRICK PLANTER EDGE
- WATER SOIL MIN. 4 HOURS BEFORE PLANTING AND REPLENISH SOIL TO BRING TO GRADE
- INSTALL PLANTS AND 2" MULCH

ROUTINE
MAINTENANCE
BY TOWN OF
VIENNA

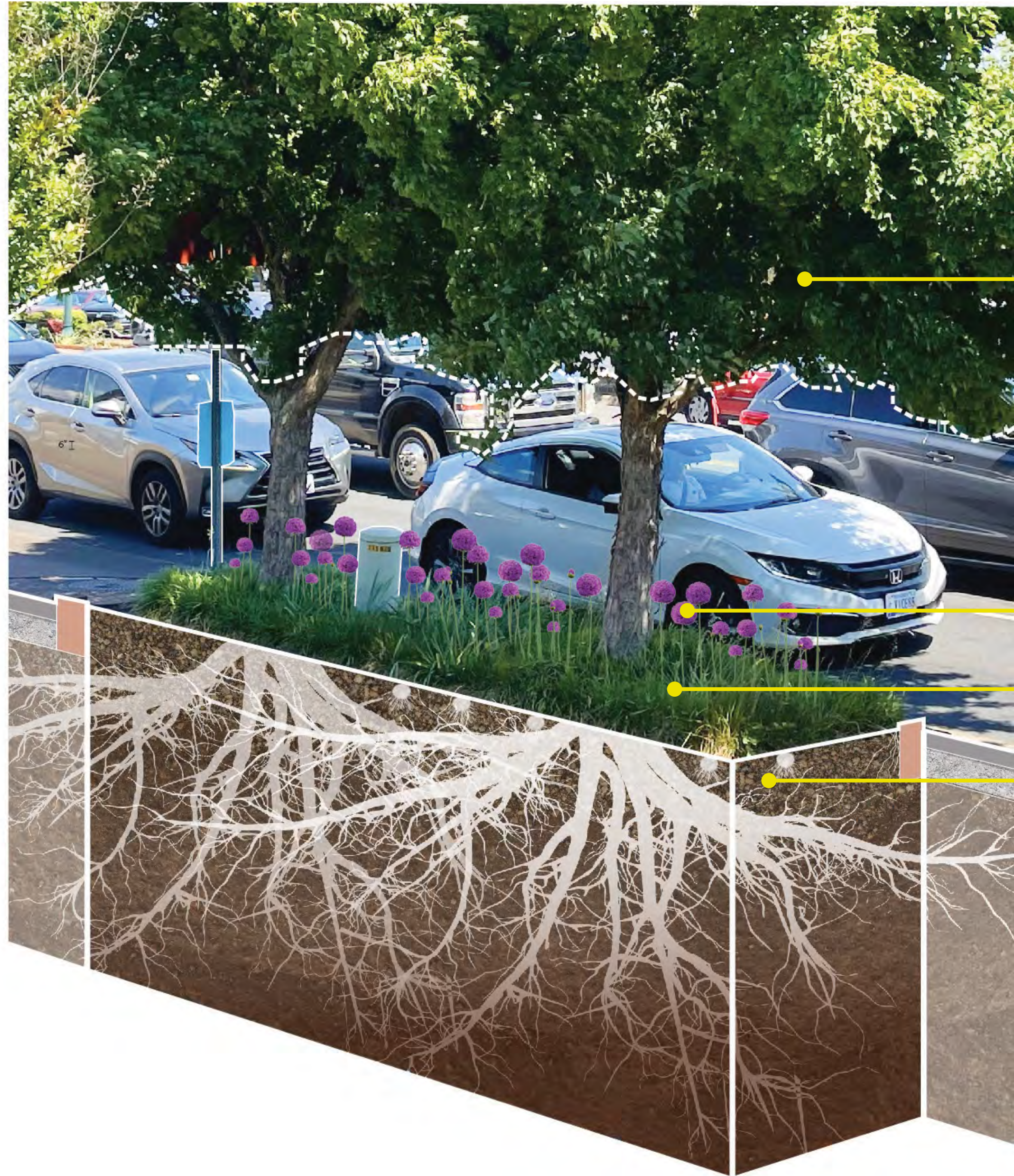


- TREES
- SIGNS/STREETSCAPE ACCESSORIES
- UTILITIES
- GROUND COVER
- BRICK CURB
- GROUND COVER ROOT MAT



CONDITION D

- EXISTING TREES WITH DENSE SURFACE ROOTS AND UTILITIES LIMIT GROWING AREA, IN ADDITION TO DENSE SHADE CONDITIONS
- REMOVAL OF EXISTING PLANTING AND REPLACEMENT WITH NEW MATERIAL RISKS DAMAGE TO EXISTING TREES AND UTILITIES
- REMOVAL OF THICK LIRIOPE ROOT MATTING WILL RESULT IN SOIL VOIDS REQUIRING ADDITIONAL SOIL
- WORK IN THESE CONDITIONS MUST BE DONE BY HAND
- PLANT PALETTE IS LIMITED BY SURFACE AND SUBSURFACE CONDITIONS

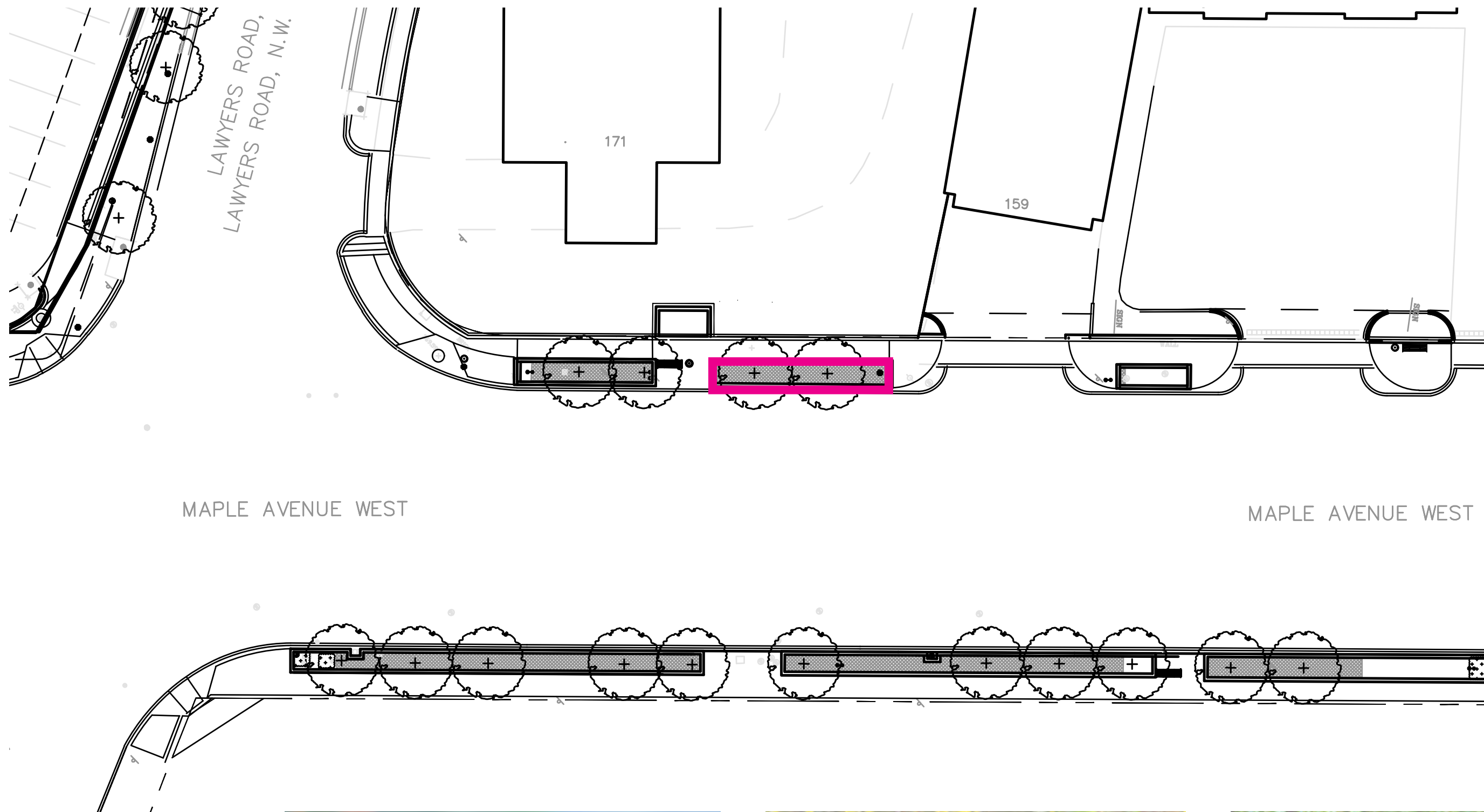


EXISTING TREES TO REMAIN

INTERPLANT BULBS WITHIN EXISTING GROUNDCOVER

EXISTING GROUNDCOVER TO REMAIN

GROUNDCOVER ROOT MAT

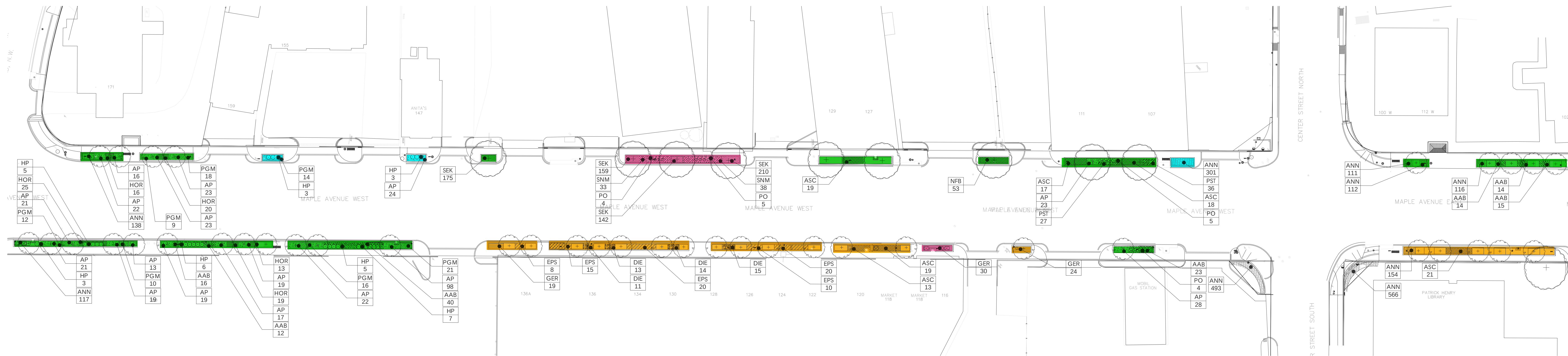


SOIL PREPARATION:

- COMPLETE TOV TREE REMOVALS/REPLACEMENTS PRIOR TO START OF WORK
- COMPLETE ROUTINE TREE CROWN AND ROOT PRUNING AND ROOT AERATION PRIOR TO START OF WORK
- REMOVE EXISTING SHRUBS AND GROUNDCOVERS AS SPECIFIED
- REMOVE EXISTING SURFACE MULCH WHERE EXPOSED
- WATER SOIL MIN. 4 HOURS BEFORE PLANTING
- INTERPLANT BULBS WITHIN EXISTING ESTABLISHED GROUNDCOVER

ROUTINE
MAINTENANCE
BY TOWN OF
VIENNA

EXAMPLE PLANTING PLAN - MAPLE AVE



2023-05-25 17:29

PLANT SCHEDULE

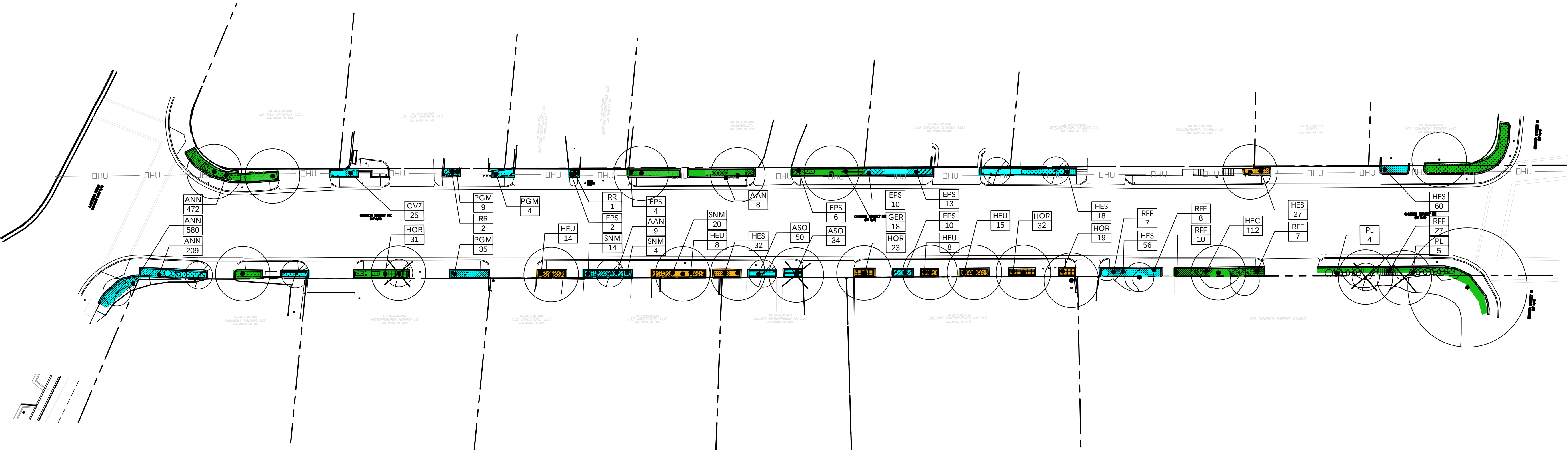
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	REMARKS
HP	32	HYPERICUM PROLIFICUM	SHRUBBY ST. JOHN'S WORT	30" - 36" HT.	CONT.	36" OC	FULL
PO	18	PHYSOCARPUS OPULIFOLIUS 'SMPOTW'	TINY WINE DWARF NINEBARK	30" HT & 36" SPRD	CONT.	42" OC	FULL
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	REMARKS
AP	408	ALLIUM X 'PURPLE SENSATION'	PURPLE SENSATION ORNAMENTAL ONION	-	BULB	12" O.C	
ANN	2,108	ANNUAL	ANNUAL	FLAT	CONT.	6" OC	MATURE
SEK	686	SEDUM KAMTSCHATICUM	ORANGE STONECROP	FLAT	FLAT	6" OC	MATURE
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	REMARKS
ASC	107	ASTER CORDIFOLIUS	BLUE WOOD ASTER	#1	CONT.	24" OC	MATURE
AAB	134	ASTILBE X ARENDSII 'BRIDAL VEIL'	BRIDAL VEIL FALSE SPIREA	#1	CONT.	18" OC	MATURE
DIE	53	DICENTRA EXIMIA	FRINGED BLEEDING HEART	#1	CONT.	18" OC	MATURE
EPS	73	ECHINACEA PURPUREA 'SENSATION PINK'	PURPLE CONEFLOWER	#1	CONT.	24" OC	MATURE
GER	73	GERANIUM X 'ROZANNE'	ROZANNE CRANE'S BILL	#1	CONT.	18" OC	MATURE
HOR	93	HELLEBORUS ORIENTALIS	ORIENTAL HELLEBORE	#1	CONT.	15" OC	MATURE
NFB	53	NEPETA X FAASSENII 'WALKERS LOW'	HYBRID CATMINT	#1	CONT.	15" OC	MATURE
PGM	100	PHLOX GLABERRIMA 'MORRIS BERD'	SMOOTH PHLOX	#1	CONT.	18" OC	MATURE
PST	63	PHLOX STOLONIFERA	CREEPING PHLOX	#1	CONT.	12" O.C	MATURE
SNM	71	SALVIA NEMEROSA 'MAY NIGHT'	MAY NIGHT SAGE	#1	CONT.	18" OC	MATURE

CONDITION A

CONDITION B

CONDITION C

CONDITION D



PLANT SCHEDULE CHURCH ST							
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	REMARKS
PL	9	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKENS LAUREL	30-36" HT.	CONT.	48" OC	FULL
RR	3	ROSA RUGOSA 'DWARF PAVEMENT'	DWARF PAVEMENT ROSE	24"-30" SPR.	CONT.	30" OC	FULL
GROUND COVERS							
ANN	1,261	ANNUAL	ANNUAL	FLAT	CONT.	6" OC	MATURE
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	REMARKS
ASO	84	ASTER OBLONGIFOLIUS 'OCTOBER SKIES'	FRAGRANT ASTER	#1	CONT.	12" O.C	MATURE
AAN	22	ASTILBE X ARENDsii 'NEMO'	FANAL FALSE SPIREA	#1	CONT.	24" OC	MATUER
CVZ	25	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB TICKSEED	#1	CONT.	12" O.C	MATURE
EPS	45	ECHINACEA PURPUREA 'SENSATION PINK'	PURPLE CONEFLOWER	#1	CONT.	24" OC	MATURE
GER	18	GERANIUM X 'ROZANNE'	ROZANNE CRANE'S BILL	#1	CONT.	18" OC	MATURE
HOR	105	HELLEBORUS ORIENTALIS	ORIENTAL HELLEBORE	#1	CONT.	15" OC	MATURE
HES	193	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DAYLILY	#1	CONT.	12" O.C	MATURE
HEC	112	HEUCHERA X 'CITRONELLE'	CITRONELLE YELLOW CORAL BELLS	#1	CONT.	12" OC	MATURE
HEU	45	HEUCHERA X 'STEEL CITY'	STEEL CITY CORAL BELLS	#1	CONT.	24" OC	MATURE
PGM	48	PHLOX GLABERRIMA 'MORRIS BERD'	SMOOTH PHLOX	#1	CONT.	18" OC	MATURE
RFF	59	RUDBECKIA FULGIDA VAR. FULGIDA	BLACK EYED SUSAN	#1	CONT.	24" OC	MATURE
SNM	46	SALVIA NEMEROSA 'MAY NIGHT'	MAY NIGHT SAGE	#1	CONT.	18" OC	MATURE

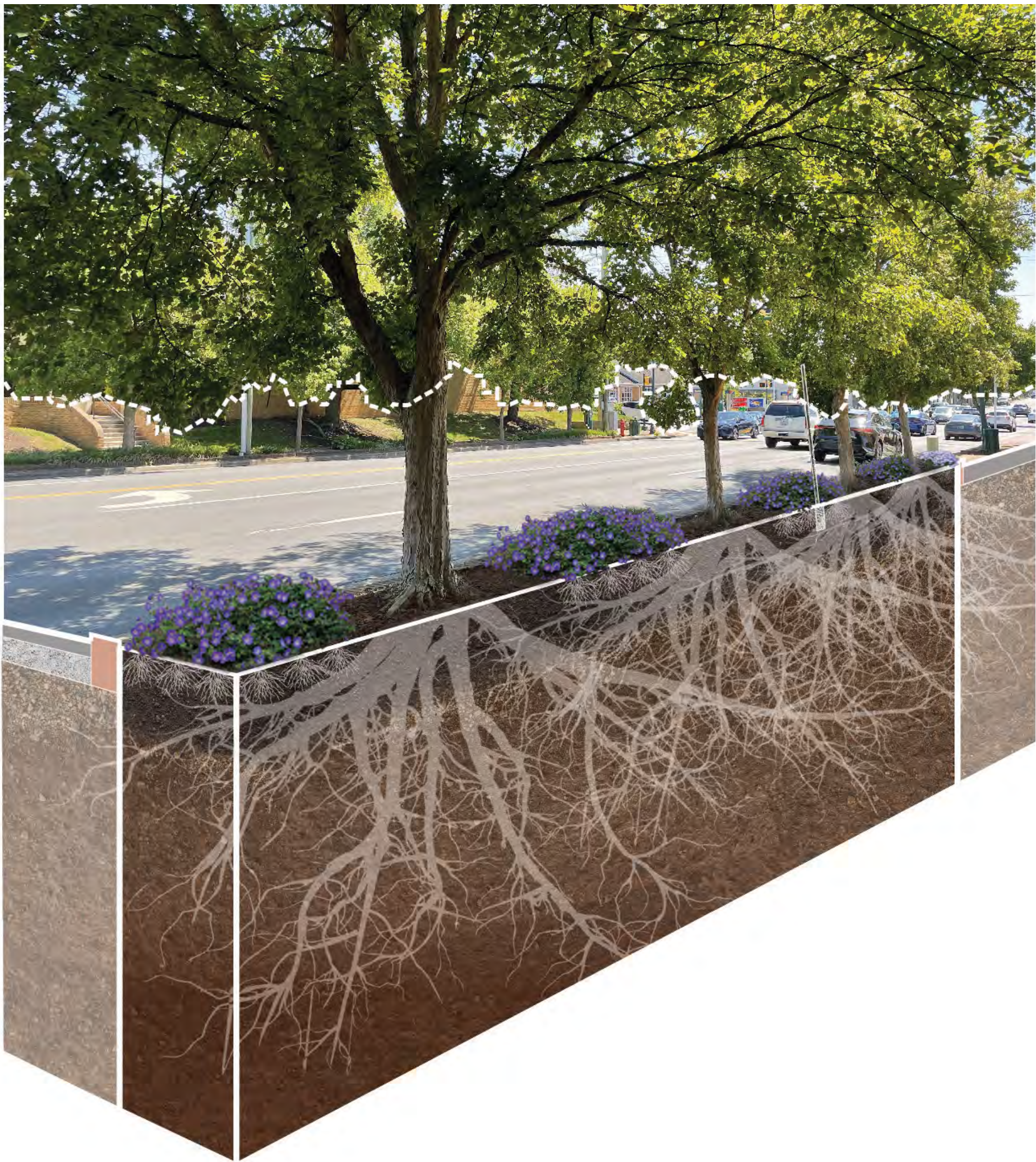
CONDITION A

CONDITION B

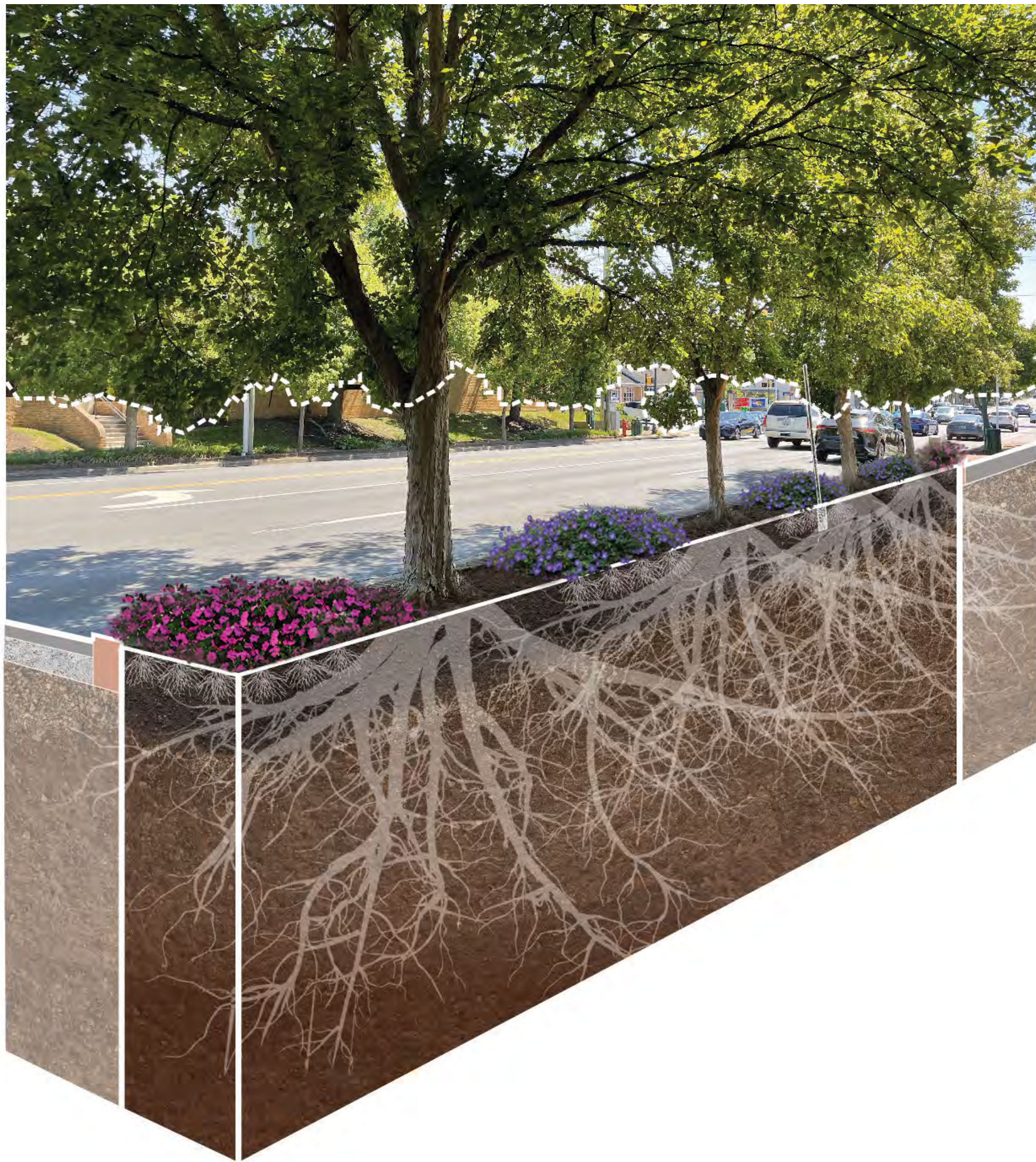
CONDITION C

CONDITION D

NO ANNUALS



ANNUALS TO ACCENT PLANTER EDGES AT INTERSECTIONS



ANNUAL ARRANGEMENTS IN POTS AT STRATEGIC LOCATIONS





PLANT LIST

Project: Maple Avenue & Church Street Streetscape

Ecoregion: Piedmont Uplands

Date: 5/24/2023

Created by: ED

Revisions by: LW, RK

KEY #	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	FLOWER COLOR	BLOOM TIME J F M A M J J A S O N D
Condition A full sun	Amsonia ciliata	Fringed Bluestar	2'		J F M A M J J A S O N D
	Aster oblongifolius 'October Skies'	Fragrant Aster	18-20"		J F M A M J J A S O N D
	Coreopsis verticillata 'Zagreb'	Whorled Tickseed	1-2'		J F M A M J J A S O N D
	Echinacea purpurea 'Sensation Pink'	Purple Coneflower	1-2'		J F M A M J J A S O N D
	Hemerocallis 'Stella de Oro'	Stella de Oro Daylily	1'		J F M A M J J A S O N D
	Hypericum calycinum	Creeping St. Johnswort	1-2'		J F M A M J J A S O N D
	Nepeta x faassenii 'Walker's Low'	Hybrid Catmint	2-3'		J F M A M J J A S O N D
	Penstemon digitalis 'Huskers Red'	White Beardtongue	2-4'		J F M A M J J A S O N D
	Phlox glaberrima 'Morris Berd'	Smooth Phlox	1-2'		J F M A M J J A S O N D
	Pycnanthemum tenuifolium	Slender Mountain Mint	2-3'		J F M A M J J A S O N D
	Rudbeckia fulgida var. fulgida	Black Eyed Susan	2-3'		J F M A M J J A S O N D
	Rudbeckia fulgida var. speciosa	Black Eyed Susan	2-3'		J F M A M J J A S O N D
	Salvia nemerosa 'May Night'	Wood Sage	18-24"		J F M A M J J A S O N D
	Sedum kamtschaticum	Orange Stonecrop	4-8"		J F M A M J J A S O N D
	Sedum sexangulare	Six-sided Stonecrop	4-8"		J F M A M J J A S O N D
	Panicum virgatum 'Shenandoah'	Switchgrass	3'		J F M A M J J A S O N D
	Schizachyrium scoparium 'Standing Ovation'	Little Bluestem	3-4'		J F M A M J J A S O N D
Condition B Part Sun/Part Shade	Allium cernuum	Nodding Pink Onion	1'		J F M A M J J A S O N D
	Aster cordifolius	Blue Wood Aster	2-3'		J F M A M J J A S O N D
	Astilbe andresii	False Goatsbeard	2-3'		J F M A M J J A S O N D
	Coreopsis auriculata	Mouse Ear Tickseed	1'		J F M A M J J A S O N D
	Dicentra eximia	Wild Bleeding Heart	1-2'		J F M A M J J A S O N D
	Echinacea purpurea 'Sensation Pink'	Purple Coneflower	1-2'		J F M A M J J A S O N D
	Eupatorium coelestinum	Mistflower	2-3'		J F M A M J J A S O N D
	Geranium macrorrhizum	Bigroot Geranium	1'		J F M A M J J A S O N D
	Geranium 'Rozanne'	Rozanne Geranium	1-2'		J F M A M J J A S O N D
	Helleborus niger	Christmas Rose	1'		J F M A M J J A S O N D
	Helleborus orientalis	Lenten Rose	1-2'		J F M A M J J A S O N D
	Heuchera villosa f. purpurea 'Bronze Wave'	Hairy Alumroot	10-18"		J F M A M J J A S O N D
	Heuchera villosa var. macrorrhiza 'Autumn Bride'	Hairy Alumroot	10-18"		J F M A M J J A S O N D
	Heuchera x 'Steel City'	Steel City Alumroot	1-2'		J F M A M J J A S O N D
	Heuchera x 'Citronelle'	Citronelle Alumroot	1-2'		J F M A M J J A S O N D
	Hypericum calycinum	Creeping St. Johnswort	1-2'		J F M A M J J A S O N D
	Monarda bradburiana	Bradbury's Beebalm	1-2'		J F M A M J J A S O N D
	Penstemon digitalis	White Beardtongue	2-4'		J F M A M J J A S O N D
	Phlox stolonifera	Creeping Phlox	6-10"		J F M A M J J A S O N D
	Senecio aureus	Golden Groundsel	1-3'		J F M A M J J A S O N D
Condition C Restricted Growth	Lysimachia lanceolata f. purpurea	Lance-leaved Loosestrife	1-2'		J F M A M J J A S O N D
	Phlox stolonifera	Creeping Phlox	6-10"		J F M A M J J A S O N D
	Waldsteinia fragarioides	Barren Strawberry	3-6"		J F M A M J J A S O N D

KEY #	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	FLOWER COLOR	BLOOM TIME J F M A M J J A S O N D
Bulbs	Allium 'Purple Sensation'	Ornamental Onion	2-3'		J F M A M J J A S O N D
	Crocus tommasinianus 'Ruby Giant'	Snow Crocus	4-6"		J F M A M J J A S O N D
	Galanthus nivalis	Snowdrops	6-8"		J F M A M J J A S O N D
	Ipheion uniflorum	Spring Starflower	4-6"		J F M A M J J A S O N D
	Iris reticulata	Reticulated Iris	4-6"		J F M A M J J A S O N D
	Muscari armenicum	Grape Hyacinth	4-6"		J F M A M J J A S O N D
	Narcissus 'Minnow'	Daffodil	1-2"		J F M A M J J A S O N D
	Narcissus 'Thalia'	Triandrus Daffodil	1-2'		J F M A M J J A S O N D
	Scilla siberica	Siberian Squill	4-6"		J F M A M J J A S O N D
Shrubs	Buddleja 'Lo and Behold Blue Chip'	Lo and Behold 'Blue Chip' Butterflybush	2-3'		
	Diervilla sessilifolia	Southern Bush Honeysuckle	1-3'		J F M A M J J A S O N D
	Hydrangea arborescens 'Invincibelle Wee White'	Wild Hydrangea	2-3'		J F M A M J J A S O N D
	Hydrangea paniculata 'Flare'	Peegee Hydrangea	3'		J F M A M J J A S O N D
	Hypericum prolificum	Shrubby St. Johnswort	3'		J F M A M J J A S O N D
	Physocarpus opulifolius 'Tiny Wine'	Dwarf Ninebark	2-3'		J F M A M J J A S O N D
	Rosa 'Coral'	Flower Carpet Coral Rose	2-3'		J F M A M J J A S O N D
	Rosa rugosa 'Dwarf Pavement'	Dwarf Pavement Rose	2-3'		J F M A M J J A S O N D
	Spiraea japonica	Japanese Spiraea	3-6'		J F M A M J J A S O N D

- UNIQUE CONDITIONS:
- SHADE
 - EXTENSIVE ROOTS
 - STREETSCAPE ENVIRONEMNT
 - DRY
 - SALT
 - TRAMPLING AT TOWN EVENTS



