



## Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review  
Planning & Preservation Division  
900 E. Broad Street, Room 510  
Richmond, Virginia 23219  
(804) 646-6335

<http://www.richmondgov.com/CommitteeUrbanDesign>

### Application Type

- Addition/Alteration to Existing Structure
- New Construction
- Streetscape
- Site Amenity

- Encroachment
- Master Plan
- Sign
- Other

### Review Type

- Conceptual
- Final

Project Name: The Richmond Low Line

Project Address: Dock Street b/w Pear Street and 21st Street

Brief Project Description (this is not a replacement for the required detailed narrative) :  
Landscape / Planting enhancements along Dock Street and the Virginia Capital Trail between Pear Street and 21st Street.

### Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: Mark Olinger Email: mark.olinger@richmondgov.com  
City Agency: Dept. of Planning and Development Review Phone: 804.646.6305  
Address: 900 East Main Street, Rm 511 Richmond, VA 23219  
Main Contact (if different from Applicant): Keith Whipple  
Company: Waterstreet Studio Phone: 434.906.0374  
Email: kwhipple@waterstreetstudio.net

### Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

### Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

### UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

# Waterstreet Studio

September 18, 2014

Project: Richmond Low Line

Submittal: City of Richmond Urban Design Commission – Project Narrative

## **Introduction:**

Capital Trees, a 501(c)3 organization based in Richmond, Virginia has worked over the past several years with City of Richmond officials and staff members from DPW, DPU and Parks and Recreation to design and implement projects at 14<sup>th</sup> Street, 10<sup>th</sup> Street and Great Shiplock Park. Public funds and private donations have been leveraged to improve the aesthetic and environmental condition of these civic spaces. With guidance and support of City officials in recent months, the group began studying opportunities to enhance plantings along Dock Street and the Virginia Capital Trail between Great Shiplock Park (GSP) and Richmond's much loved Canal Walk. The site, now dubbed the "Low Line," with a nod to New York City's High Line presents tremendous opportunity to create a linear park-like setting for the enjoyment of area residents, businesses, cyclists, and tourists.

With the goal of completing a Phase I planting in time for the UCI Bike Races in September of 2015, plans have been developed and submitted to the Urban Design Committee for review and comment.

Generally, Phase I is bound by Dock Street to the North, Great Shiplock Park to the East, the Kanawha Canal to the south and 21<sup>st</sup> Street to the West. Recognizing that work associated with stormwater facilities, lighting, canal and hardscape improvements will require significant input from area stakeholders and representatives from the City of Richmond, the Phase I proposal is limited to landscape enhancements in the area described. However, it is the hope of Capital Trees that enhanced plantings in this area will catalyze investment and further improvements along the trail and in the general vicinity.

Within the Phase I project area, there are two owners of record: The City of Richmond and Chesapeake and Ohio Railway (CSX). Officials from both organizations have endorsed the project in concept and are working to refine necessary access and maintenance agreements.

## **Proposed Improvements:**

1. Removal of invasive species beneath CSX Rail and along the Kanawha Canal.
2. Incorporation of compost material and topsoil amendments across the Phase I project site.
3. Installation of canopy and sub-canopy trees along the south side of Dock Street and the Virginia Capital Trail.
4. Installation of low growing, predominantly native grasses, perennials and woody ornamental shrubs between the Virginia Capital Trail and Kanawha Canal.
5. Overseeding of turf areas.
6. Installation of irrigation system and/or handwatering stations.

# Waterstreet Studio

## **Urban Canopy:**

At present, there are 20 trees spaced more or less evenly along the Virginia Capital Trail in the project area ranging from 1.5" in caliper to 5" in caliper. CSX has indicated that several Zelkovas are planted too close to the rail line and may require substantial pruning in the coming years. The trees noted above are intended to be removed and replaced with seventy-three (73) 2.5-3 inch caliper trees planted approximately 30 feet on center to provide shade and seasonal interest along Dock Street and the trail. The City of Richmond's Urban Forester has tagged 15 native trees tagged along the canal that shall remain in place.

## **Budget:**

Estimated construction cost of the above improvements is \$825,000.00

## **Funding Sources:**

Capital Trees has provided funding for the design work to date and is actively raising funds for implementation with the understanding that the City will contribute approximately 25% of the project budget subject to council appropriation.

## **Projected Timeline:**

The City of Richmond's Department of Planning and Development Review has agreed to sponsor the project and has organized reviews by the Department of Public Utilities and Public Works. Capital Trees will solicit competitive bids for the work and anticipates that construction will start in late Fall 2014 with substantial completion reached in August of 2015.

## **Future Maintenance:**

Capital Trees will play an active role in the ongoing maintenance of this landscape. The group has worked in such capacity at Great Shiplock Park since its restoration last year. A third party, private contractor will be commissioned and managed by Capital Trees to ensure that plantings are selectively pruned, weeded and adequately watered until establishment.

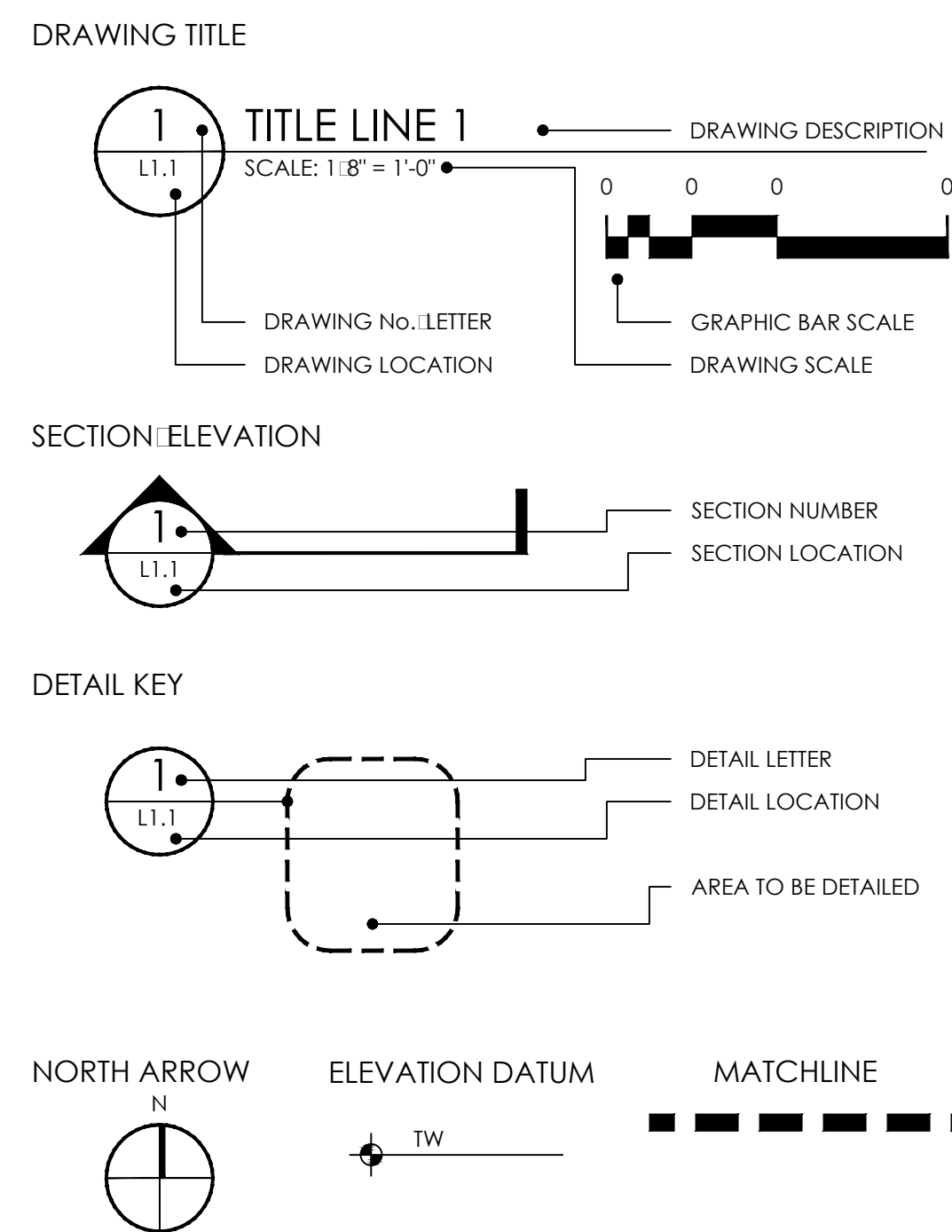
# LOW LINE

## DOCK STREET, RICHMOND VIRGINIA

### LEGEND

- GENERAL**
- TREE PROTECTION ZONE (TPZ)
  - PHASE BOUNDARY
  - SUBDIVISION BOUNDARY
  - EXISTING UNDERGROUND GAS
  - EXISTING OVERHEAD ELECTRIC
  - EXISTING UNDERGROUND ELECTRIC
  - EXISTING STORM SEWER
  - PROPOSED STORM SEWER
  - PROPOSED BURIED ELECTRIC
  - PROPERTY LINE
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - 5'±2.50 PROPOSED SPOT ELEVATION
- SEWER**
- EXISTING SANITARY SEWER
  - SAN PROPOSED SANITARY SEWER
  - SAN SEWER CONNECTIONS
  - SAN SEWER CLEANOUT
- WATER**
- EXISTING WATERLINE
  - PROPOSED WATERLINE
  - ✕ VALVE
- MISC**
- ⊕ CENTERLINE
  - ▬ PROPERTY LINE
  - ∠ ANGLE
  - ⊥ PERPENDICULAR
  - ∅ DIAMETER

### SYMBOLS



### ABBREVIATION LIST

A ADJ ADJACENT, ADJUSTABLE	CONC CONCRETE	F FAB FABRIC	J JT JOINT	NOM NOMINAL	RE REFER TO	TEL TELEPHONE
AFF ABOVE FINISH FLOOR	CU FT CUBIC FEET	FIN FINISH	K KO KNOCK OUT	NTS NOT TO SCALE	REINF REINFORC(E), (ED), (ING)	THK THICK(NESS)
ALT ALTERNATE	D DD DECK DRAIN	FT FOOT, FEET	L L LENGTH	OC ON CENTER	REQD REQUIRED	TOM TOP OF MASONRY
ALUM ALUMINUM	DIA DIA DIAMETER	FTG FOOTING	LT LIGHT	OD OUTSIDE DIAMETER	REV REVISION	TOS TOP OF STEEL
APPROX APPROXIMATE	DIAG DIAGONAL	G GA GAUGE	M MAS MASONRY	OPNG OPENING	RL RAIN LEADER	TS TOP OF STAIR
ARCH ARCHITECT(U)RAL	DIM DIMENSION	GALV GALV GALVANIZED	GC GENERAL CONTRACTOR	OPP OPPOSITE	S S SOUTH	TW TOP OF WALL
B BC BOTTOM OF CURB	DN DN DOWN	MAX MAX	MATL MATERIAL	S SCHED SCHEDULE(E), (ED)	SD STORM DRAIN	TV TELEVISION
BD BOARD	DS DOWN SPOUT	MECH MECH	MED MEDIUM	SHT SHEET	U UNO UNLESS NOTED OTHERWISE	TYP TYPICAL
BLDG BUILDING	DWG(S) DRAWING(S)	PNL PANEL	MFR MANUFACTURER	SIM SIMILAR	V VERT VERTICAL	
BLKG BLOCKING	E E EAST	PSF POUNDS PER SQUARE FOOT	MIN MINIMUM	SQ SQUARE	VIF VERIFY IN FIELD	
BRK BRICK	EA EACH	PSI POUNDS PER SQUARE INCH	MISC MISCELLANEOUS	SS STAINLESS STEEL, SOLID SURFACE	W W WEST, WIDE, WIDTH	
BR BOTTOM OF RAMP	EJ EXPANSION JOINT	PT POINT	MO MASONRY OPENING	STD STANDARD	WITH WITH	
BS BOTTOM OF STAIR	EL ELEVATION	P.O.B. POINT OF BEGINNING	MTL METAL	STL STEEL	WITHOUT WITHOUT	
BW BOTTOM OF WALL	ELEC ELECTRIC(AL)	R RAD RADIUS		STN STAIN(ED)	WD WOOD	
C CEM CEMENT	EQ EQUIP EQUIPMENT	RB RUBBER BASE		SUSP SUSPEND(ED)	WE WATER ELEVATION	
CIP CAST IN PLACE	EXP EXPOSED	RD ROOF DRAIN		T TBD TO BE DECIDED	WT WEIGHT	
CJ CONTROL JOINT	EXIST EXISTING			TC TOP OF CURB		
CMU CONCRETE MASONRY UNIT	EXT EXTERIOR					
COL COLUMN						

### GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW THE SITE CONDITIONS AND INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN SITE CONDITIONS OR EXISTING GRADES THAT ARE NOT DESCRIBED ON THE PLANS BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL INSURE THAT ALL WORK MEETS ALL APPLICABLE LOCAL AND NATIONAL BUILDING AND SAFETY CODES THAT PERTAIN TO THE PROJECT WORK. IF THERE IS A DISCREPANCY BETWEEN A CODE AND THE CONTENT OF THE PLANS, THE CONTRACTOR IS TO CONSULT LANDSCAPE ARCHITECT BEFORE PROCEEDING.
- SHOULD THERE BE ANY DISCREPANCIES BETWEEN LANDSCAPE ARCHITECTURAL, ARCHITECTURAL, OR ENGINEERING DRAWINGS, THE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT TO REVIEW AND COORDINATE BEFORE PROCEEDING WITH WORK.
- CONTRACTOR IS TO CREATE A WORK SCHEDULE AND DISTRIBUTE TO OWNER, LANDSCAPE ARCHITECT, AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK. THE SCHEDULE IS TO CLEARLY OUTLINE DATES FOR:
  - PRE-CONSTRUCTION MEETING TO REVIEW CONSTRUCTION FENCE, EROSION & SEDIMENT CONTROL MEASURES AND TREE PROTECTION MEASURES.
  - LANDSCAPE PLANTING TREE LAYOUTS (WITH FLAGS) AND PLANT QUALITY REVIEW (BEFORE PLANTING).
  - FINAL PLANTING REVIEW.
  - PROJECT COMPLETION.
- LANDSCAPE PLANTING CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT TO REVIEW PLANS BEFORE COMMENCING WORK IN ORDER TO ASSURE CLOSE COORDINATION.
- PRIOR TO PROJECT COMPLETION, THE SITE IS TO BE THOROUGHLY CLEANED OF ALL CONSTRUCTION DEBRIS, SIGNS ETC... AND REVIEWED BY LANDSCAPE ARCHITECT AND OTHER RELEVANT CONSULTANTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO GROUND AND BOND ALL EXPOSED METAL OBJECTS IN LANDSCAPE.
- NO CONSTRUCTION ACTIVITY INCLUDING GRADE CHANGES, SURFACE TREATMENTS OR EXCAVATIONS OF ANY KIND IS PERMITTED WITHIN THE AREA IDENTIFIED ON THESE DRAWINGS AS A TREE PROTECTION ZONE (TPZ). IN ADDITION NO ROOT CUTTING, NO STORAGE OF MATERIALS OR FILL, NO MOVEMENT OR STORAGE OF VEHICLES OR EQUIPMENT IS PERMITTED WITHIN THESE AREAS. THE AREA(S) IDENTIFIED AS A TPZ MUST REMAIN UNDISTURBED AT ALL TIMES.
  - ARBORICULTURAL WORK
 ANY ROOTS OR BRANCHES WHICH EXTEND BEYOND THE TREE PROTECTION ZONE(S) INDICATED ON THIS PLAN WHICH REQUIRE PRUNING, MUST BE PRUNED BY A QUALIFIED ARBORIST OR OTHER TREE PROFESSIONAL AS APPROVED BY THE LANDSCAPE ARCHITECT. ALL PRUNING OF TREE ROOTS AND BRANCHES MUST BE IN ACCORDANCE WITH APPROPRIATE ARBORICULTURAL STANDARDS. THE ARBORIST/TREE PROFESSIONAL MUST CONTACT THE LANDSCAPE ARCHITECT NO LESS THAN 48 HOURS PRIOR TO CONDUCTING ANY SPECIFIED WORK.
- CONTRACTORS MUST CLEAN UP ALL TRASH AND DEBRIS ON THE CONSTRUCTION SITE AT THE END OF EACH DAY. LIGHTWEIGHT MATERIAL, PACKAGING, AND OTHER ITEMS MUST BE COVERED OR WEIGHTED DOWN TO PREVENT WIND FROM BLOWING SUCH MATERIALS OFF OF THE CONSTRUCTION SITE. CONTRACTORS ARE PROHIBITED FROM DUMPING, BURYING, OR BURNING TRASH ANYWHERE ON THE SITE. DURING THE CONSTRUCTION PERIOD, THE CONSTRUCTION SITE MUST BE KEPT NEAT AND TIDY TO PREVENT IT FROM BECOMING AN EYESORE FOR SURROUNDING PROPERTY OWNERS. DIRT, MUD, OR OTHER DEBRIS RESULTING FROM ACTIVITY ON SITE MUST BE PROMPTLY REMOVED FROM SURROUNDING ROADS.

### UTILITY NOTES

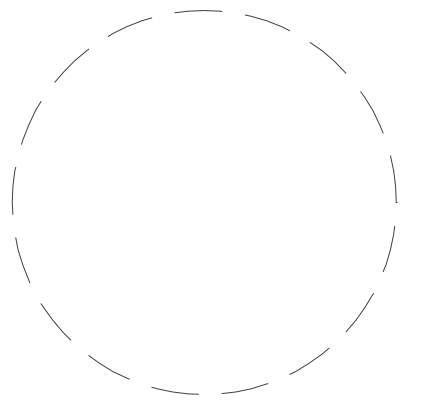
- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. SEE CIVIL PLANS FOR TRUE LOCATIONS.
- NEIGHBORHOOD SUPPLY LINES MUST BE LOCATED AND MARKED BY MISS UTILITY PRIOR TO CONSTRUCTION. MISS UTILITY CONTACT: DIAL 811 IN VA, OR 1-800-552-1001. SEE [missutilityofvirginia.com](http://missutilityofvirginia.com) FOR MORE INFORMATION.
- VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES IN THE FIELD AND NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS BETWEEN LAYOUT, GRADING AND UTILITIES PRIOR TO CONSTRUCTION.
- TRENCHING FOR UTILITIES WILL BE PERMITTED IN APPROVED LOCATIONS ONLY. CONTRACTOR MUST ALERT LANDSCAPE ARCHITECT PRIOR TO TRENCHING FOR LOCATION REVIEW AND APPROVAL.

### PLANTING NOTES

- TREES, SHRUBS ARE TO BE STAKED AND REVIEWED BY LANDSCAPE ARCHITECT PRIOR TO PLACEMENT AND PLANTING. MINOR ADJUSTMENTS TO STAKES MAY BE NECESSARY.
- ALL TREES AND SHRUBS TO BE SPECIMEN QUALITY.
- GROUNDCOVERS ARE TO BE PLANTED UP TO THE EDGE OF THE ROOTBALL. ROOTBALLS TO BE COVERED IN MULCH. NO MULCH TO BE PLACED AGAINST THE TRUNK OF THE TREE.
- ANY SEED DRILLS OF SEEDING EQUIPMENT MUST BE CLEAR AND CLEAN OF SEEDS BEFORE BEING BROUGHT ON PROJECT. ANY TALL FESCUE OR KENTUCKY BLUEGRASS INADVERTENTLY INTRODUCED TO THE SITE WILL BE REMOVED AT THE CONTRACTOR'S EXPENSE.
- PROPOSED TREES AND PLANTINGS TO BE WATERED THROUGH WARRANTY PERIOD.
- SEE PLANT SCHEDULE FOR ADDITIONAL PLANTING NOTES.

### SHEET LIST

Sheet Number	Sheet Title
L1.00	OVERALL PLANTING PLAN
L1.01	22ND THRU 24TH DETAIL PLANTING PLAN
L1.02	24TH THRU 26TH DETAIL PLANTING PLAN
L1.03	26TH THRU PEAR DETAIL PLANTING PLAN
L2.00	PLANTING DETAILS



professional seal

T. SHALLENBERGER  
 project manager  
 J. MOORE  
 P. PRICE  
 project team



**LOW LINE**  
 project name

CAPITAL TREES  
 client  
 DOCK STREET  
 RICHMOND, VIRGINIA 23223  
 project address

1406  
 project number

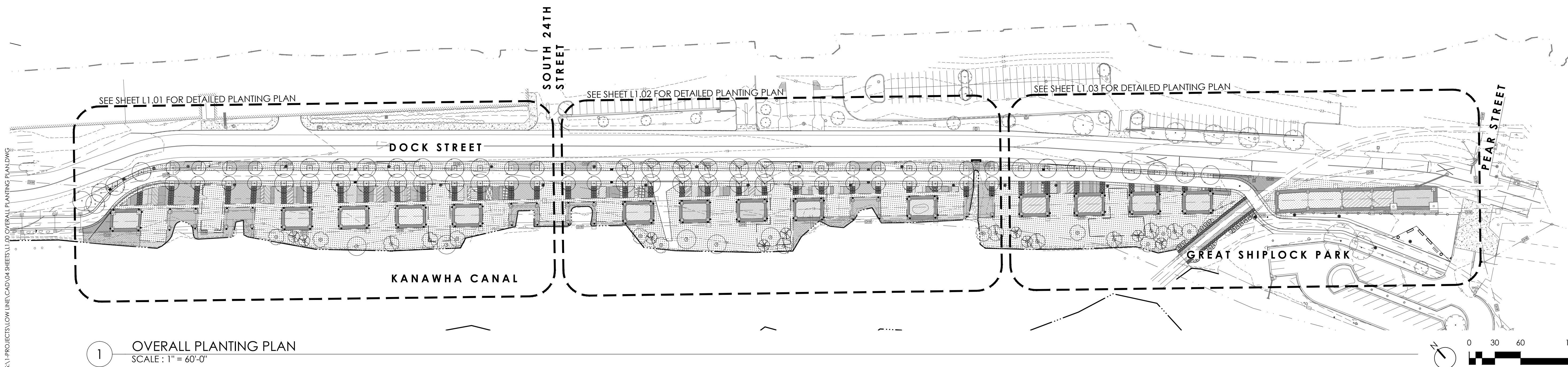
DESIGN DEVELOPMENT  
 project phase

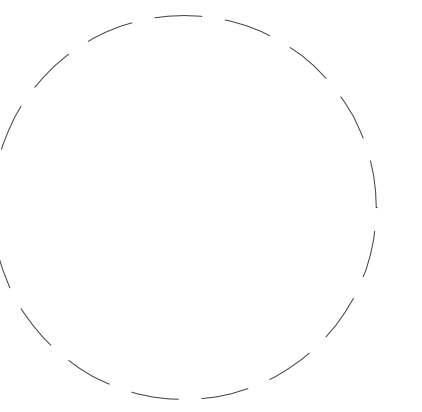
SEPTEMBER, 15, 2014  
 issue date

revisions

**OVERALL PLANTING PLAN**  
 sheet title

**L1.00**  
 sheet number





professional seal

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project manager

J. MOORE

P. PRICE  
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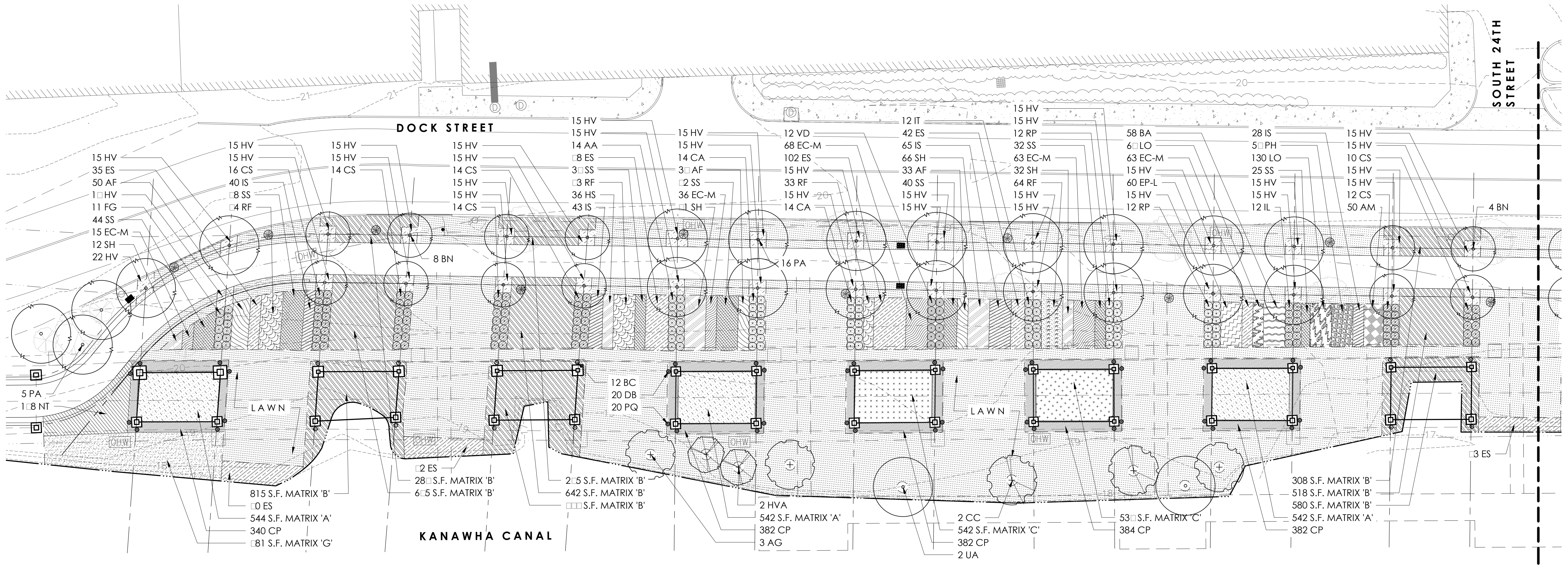
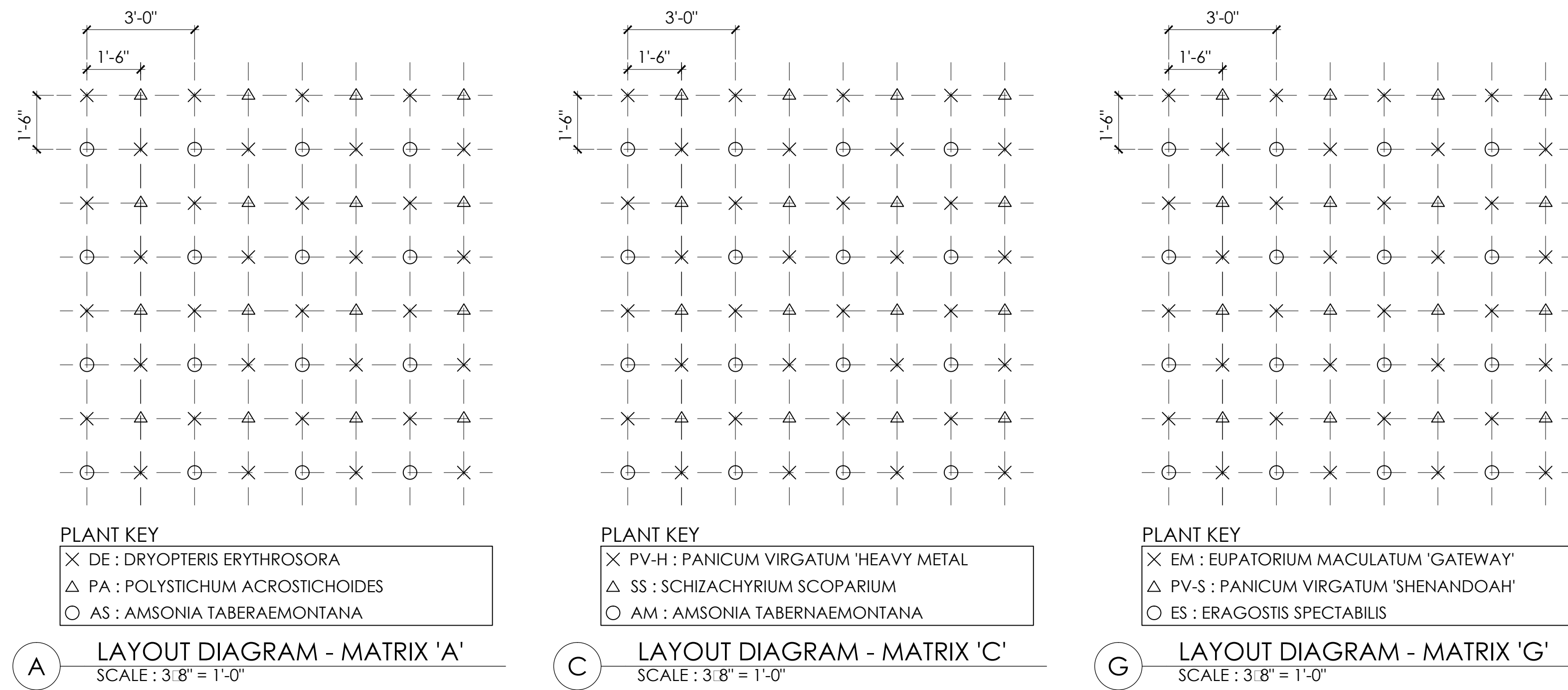
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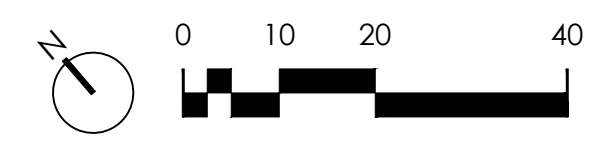
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PLAN  
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L1.01  
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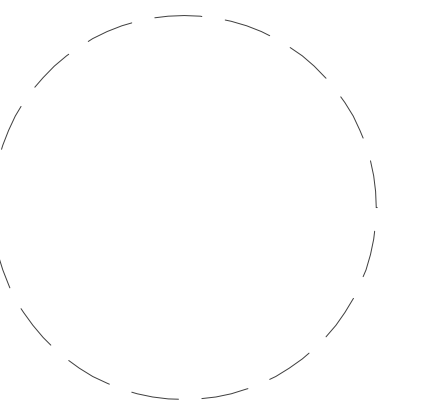
SYMBOL	Scientific Name	Common Name	Spacing
<b>TREES</b>			
AG	<i>Amelanchier x grandiflora 'Autumn Brilliance'</i>	Serviceberry	AS SHOWN
BN	<i>Betula nigra 'Cody'</i>	River Birch	AS SHOWN
CC	<i>Carpinus caroliniana</i>	American Hornbeam	AS SHOWN
HVA	<i>Hamamelis virginiana</i>	Witchhazel	AS SHOWN
PA	<i>Platanus x acerifolia 'Columbia'</i>	London Planetree	AS SHOWN
QB	<i>Quercus bicolor</i>	Swamp White Oak	AS SHOWN
UA	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	AS SHOWN
<b>SHRUBS</b>			
AA	<i>Aronia arbutifolia 'Bellissima'</i>	Red Chokeberry	2' O.C.
CA	<i>Clethra alnifolia 'Hummingbird'</i>	Summersweet	3' O.C.
CS	<i>Cornus sericea 'Keleyi'</i>	Red Twig Dogwood	3' O.C.
FG	<i>Fothergilla gardenii 'Mount Airy'</i>	Dwarf Fothergilla	3' O.C.
IT	<i>Itea virginica 'Henry's Garnet'</i>	Virginia Sweetspire	3' O.C.
IL	<i>Ilex verticillata 'Red Sprite'</i>	Winterberry	3' O.C.
LB	<i>Lindera benzoin</i>	Spicebush	3' O.C.
RP	<i>Rhododendron periclymenoides</i>	Pinxterbloom Azalea	3' O.C.
VC	<i>Vaccinium corymbosum 'Tifblue'</i>	Highbush Blueberry	3' O.C.
VA	<i>Viburnum carlesii</i>	Koreanspice Viburnum	3' O.C.
VD	<i>Viburnum dentatum 'Blue Muffin'</i>	Arrowwood Viburnum	3' O.C.
VT	<i>Viburnum trilobum</i>	Amer. Cranberrybush Viburnum	3' O.C.
<b>GRASSES and SEDGES</b>			
CP	<i>Carex pensylvanica</i>	Pennsylvania Sedge	18" O.C.
ES	<i>Eragrostis spectabilis</i>	Purple Lovegrass	18" O.C.
PH	<i>Pennisetum alopecuroides 'Hameln'</i>	Fountain Grass	18" O.C.
SS	<i>Schizachyrium scoparium</i>	Little Bluestem	18" O.C.
SH	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.
<b>PERENNIALS</b>			
AM	<i>Amsonia tabernaemontana</i>	Blue Star Amsonia	18" O.C.
AF	<i>Agastache foeniculum</i>	Hyssop	18" O.C.
AI	<i>Asclepias incarnata</i>	Swamp Milkweed	18" O.C.
BA	<i>Baptisia australis</i>	Falae Blue Indigo	18" O.C.
EC-M	<i>Echinacea purpurea 'Magnus'</i>	Purple Coneflower	18" O.C.
EC-W	<i>Echinacea purpurea 'White Swan'</i>	White Swan Purple Coneflower	18" O.C.
EP	<i>Eupatorium perfoliatum</i>	Common Boneset	18" O.C.
EP-L	<i>Eupatorium purpureum 'Little Joe'</i>	Dwarf Joe Pye Weed	18" O.C.
HV	<i>Heuchera villosa 'Autumn Bride'</i>	Hairy Alumroot	12" O.C.
IS	<i>Iris sibirica 'Casara's Brother'</i>	Siberian Iris	18" O.C.
LS	<i>Liatris spicata 'Kobuki'</i>	Blazing Star	12" O.C.
LO	<i>Labella siphilitica</i>	Great Blue Lobelia	12" O.C.
NT	<i>Nicotiana tabacum</i>	Tobacco	18" O.C.
RF	<i>Rudbeckia fulgida</i>	Orange Coneflower	18" O.C.
<b>VINES</b>			
BC	<i>Bignonia capreolata</i>	Cross Vine	
DB	<i>Decumaria barbara</i>	Climbing Hydrangea	
PQ	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	
<b>BULB PLANTING - AREA A</b>			
CF	<i>Chionodoxa forbesii 'Alba'</i>	Glory of the Snow	sun to partial shade
CM	<i>Convallaria majalis 'Albastrata'</i>	Lily of the Valley	partial shade to shade
CR	<i>Crocus sp</i>	Crocus	sun to partial shade
FM	<i>Fritillaria meleagris 'Guinea Hens'</i>	Guinea Hen Flower	sun to partial shade
GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade
HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade
NA-B	<i>Narcissus 'Brevarene'</i>	Trumpet Daffodil	sun to partial shade
NA-P	<i>Narcissus poeticus 'Dactyl'</i>	Daffodil	sun to partial shade
NA-R	<i>Narcissus 'Rijnveld's Early Sensation'</i>	Daffodil	sun to partial shade
SC	<i>Scilla sibirica 'Spring Beauty'</i>	Scilla	sun to partial shade
<b>BULB PLANTING - AREA B</b>			
CF	<i>Chionodoxa forbesii 'Alba'</i>	Glory of the Snow	sun to partial shade
CM	<i>Convallaria majalis 'Albastrata'</i>	Lily of the Valley	partial shade to shade
CR	<i>Crocus sp</i>	Crocus	sun to partial shade
FM	<i>Fritillaria meleagris 'Guinea Hens'</i>	Guinea Hen Flower	sun to partial shade
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SC	<i>Scilla sibirica 'Spring Beauty'</i>	Scilla	sun to partial shade



1 22ND THRU 24TH - DETAIL PLANTING PLAN - OPTION 1  
SCALE: 1" = 20'-0"



S:\PROJECTS\LOW LINE\CAD\04 SHEETS\1.01 DETAIL PLANTING PLAN.DWG



professional seal

T. SHALLENBERGER  
 project manager  
 J. MOORE  
 P. PRICE  
 project team



LOW LINE  
 project name

CAPITAL TREES  
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 DOCK STREET  
 RICHMOND, VIRGINIA 23223  
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DESIGN DEVELOPMENT  
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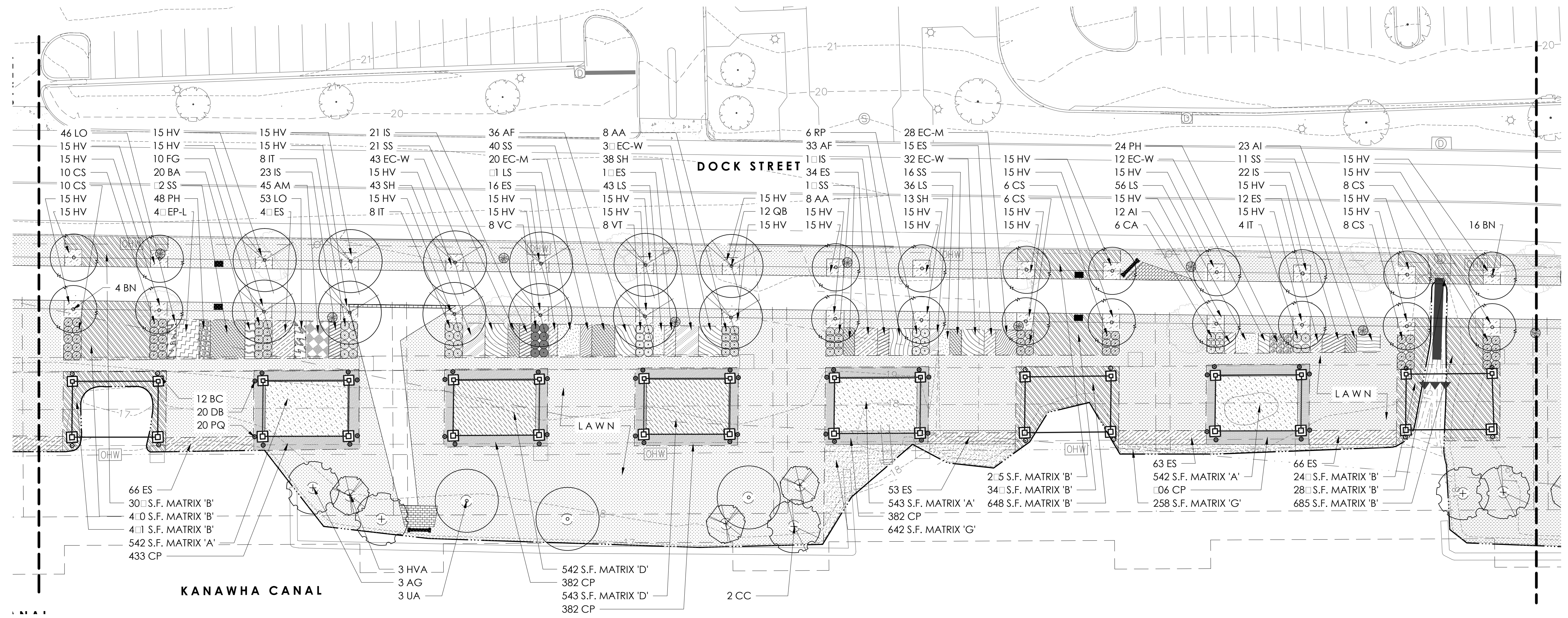
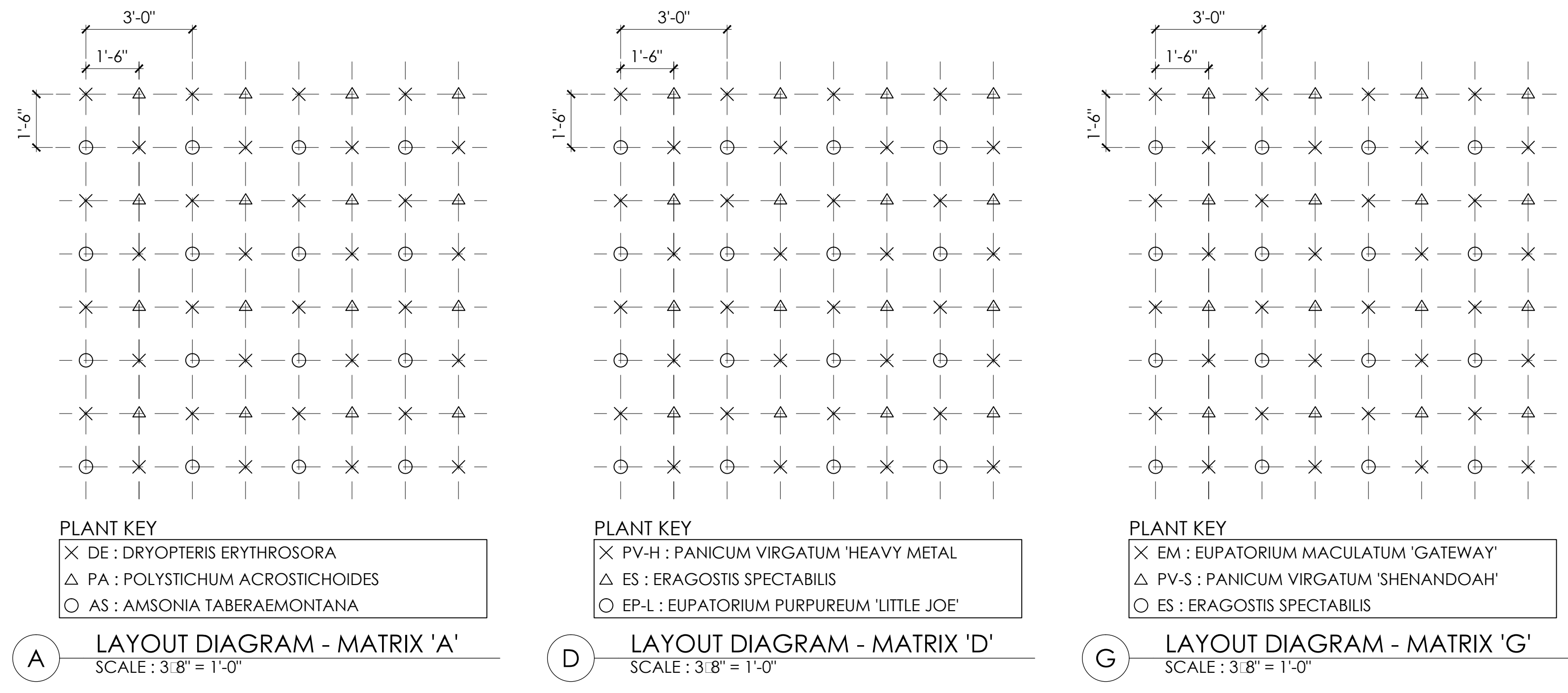
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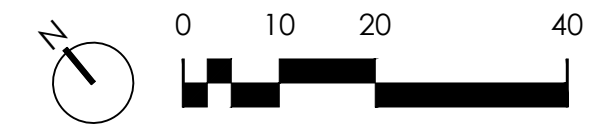
24TH THRU 26TH  
 DETAIL PLANTING  
 PLAN  
 sheet title

L1.02  
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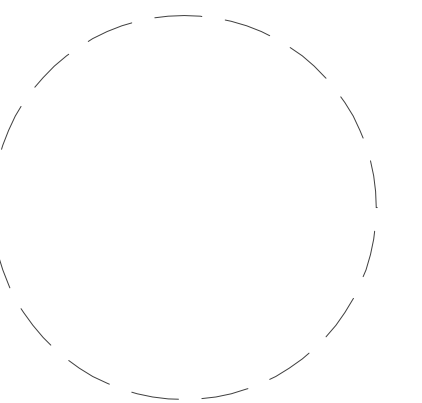
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BN	<i>Betula nigra 'Cody'</i>	River Birch	AS SHOWN
CC	<i>Carpinus caroliniana</i>	American Hornbeam	AS SHOWN
HVA	<i>Hamamelis virginiana</i>	Witchhazel	AS SHOWN
PA	<i>Platanus x acerifolia 'Columbia'</i>	London Planetree	AS SHOWN
QB	<i>Quercus bicolor</i>	Swamp White Oak	AS SHOWN
UA	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	AS SHOWN
<b>SHRUBS</b>			
AA	<i>Aronia arbutifolia 'Bullantissima'</i>	Red Chokeberry	2' O.C.
CA	<i>Clethra alnifolia 'Hummingbird'</i>	Summersweet	3' O.C.
CS	<i>Cornus sericea 'Keleyi'</i>	Red Twig Dogwood	3' O.C.
FG	<i>Fothergilla gardenii 'Mount Airy'</i>	Dwarf Fothergilla	3' O.C.
IT	<i>Itea virginica 'Henry's Garnet'</i>	Virginia Sweetspire	3' O.C.
IL	<i>Ilex verticillata 'Red Sprite'</i>	Winterberry	3' O.C.
LB	<i>Lindera benzoin</i>	Spicebush	3' O.C.
RP	<i>Rhododendron perilymenoides</i>	Pinxterbloom Azalea	3' O.C.
VC	<i>Vaccinium corymbosum 'Tifblue'</i>	Highbush Blueberry	3' O.C.
VA	<i>Viburnum carlesii</i>	Koreanspice Viburnum	3' O.C.
VD	<i>Viburnum dentatum 'Blue Muffin'</i>	Arrowwood Viburnum	3' O.C.
VT	<i>Viburnum trilobum</i>	Amer. Cranberrybush Viburnum	3' O.C.
<b>GRASSES and SEDGES</b>			
CP	<i>Carex pensylvanica</i>	Pennsylvania Sedge	18" O.C.
ES	<i>Eragrostis spectabilis</i>	Purple Lovegrass	18" O.C.
PH	<i>Pennisetum alopecuroides 'Hameln'</i>	Fountain Grass	18" O.C.
SS	<i>Schizanthus scoparium</i>	Little Bluestem	18" O.C.
SH	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.
<b>PERENNIALS</b>			
AM	<i>Amsonia tabernaemontana</i>	Blue Star Amsonia	18" O.C.
AF	<i>Agastache foeniculum</i>	Hyssop	18" O.C.
AI	<i>Asclepias incarnata</i>	Swamp Milkweed	18" O.C.
BA	<i>Baptisia australis</i>	False Blue Indigo	18" O.C.
EC-M	<i>Echinacea purpurea 'Magnus'</i>	Purple Coneflower	18" O.C.
EC-W	<i>Echinacea purpurea 'White Swan'</i>	White Swan Purple Coneflower	18" O.C.
EP	<i>Eupatorium perfoliatum</i>	Common Boneset	18" O.C.
EP-L	<i>Eupatorium purpureum 'Little Joe'</i>	Dwarf Joe Pye Weed	18" O.C.
HV	<i>Heuchera villosa 'Autumn Bride'</i>	Hairy Alumroot	12" O.C.
IS	<i>Iris sibirica 'Caspar's Brother'</i>	Siberian Iris	18" O.C.
LS	<i>Liatris spicata 'Kobold'</i>	Blazing Star	12" O.C.
LO	<i>Labella siphilitica</i>	Great Blue Lobelia	12" O.C.
NT	<i>Nicotiana glauca</i>	Tobacco	18" O.C.
RF	<i>Rudbeckia fulgida</i>	Orange Coneflower	18" O.C.
<b>VINES</b>			
BC	<i>Bignonia capreolata</i>	Cross Vine	
DB	<i>Decumaria barbara</i>	Climbing Hydrangea	
PQ	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	
<b>BULB PLANTING - AREA A</b>			
CF	<i>Chionodoxa forbesii 'Alba'</i>	Glory of the Snow	sun to partial shade
CM	<i>Convallaria majalis 'Albastrata'</i>	Lily of the Valley	partial shade to shade
CR	<i>Crocus sp.</i>	Crocus	sun to partial shade
FM	<i>Fritillaria meleagris 'Guinea Hens'</i>	Guinea Hen Flower	sun to partial shade
GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade
HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade
NA-B	<i>Narcissus 'Brevare'</i>	Trumpet Daffodil	sun to partial shade
NA-P	<i>Narcissus poeticus 'Dactyl'</i>	Daffodil	sun to partial shade
NA-R	<i>Narcissus 'Rijnveld's Early Sensation'</i>	Daffodil	sun to partial shade
SC	<i>Scilla sibirica 'Spring Beauty'</i>	Scilla	sun to partial shade
<b>BULB PLANTING - AREA B</b>			
CF	<i>Chionodoxa forbesii 'Alba'</i>	Glory of the Snow	sun to partial shade
CM	<i>Convallaria majalis 'Albastrata'</i>	Lily of the Valley	partial shade to shade
CR	<i>Crocus sp.</i>	Crocus	sun to partial shade
FM	<i>Fritillaria meleagris 'Guinea Hens'</i>	Guinea Hen Flower	sun to partial shade
GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade
HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade
NA-B	<i>Narcissus 'Brevare'</i>	Trumpet Daffodil	sun to partial shade
NA-P	<i>Narcissus poeticus 'Dactyl'</i>	Daffodil	sun to partial shade
NA-R	<i>Narcissus 'Rijnveld's Early Sensation'</i>	Daffodil	sun to partial shade
SC	<i>Scilla sibirica 'Spring Beauty'</i>	Scilla	sun to partial shade



1 24TH THRU 26TH - DETAIL PLANTING PLAN  
 SCALE: 1" = 20'-0"



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professional seal

T. SHALLENBERGER  
 project manager  
 J. MOORE  
 P. PRICE  
 project team



LOW LINE  
 project name

CAPITAL TREES  
 client  
 DOCK STREET  
 RICHMOND, VIRGINIA 23223  
 project address

1406  
 project number

DESIGN DEVELOPMENT  
 project phase

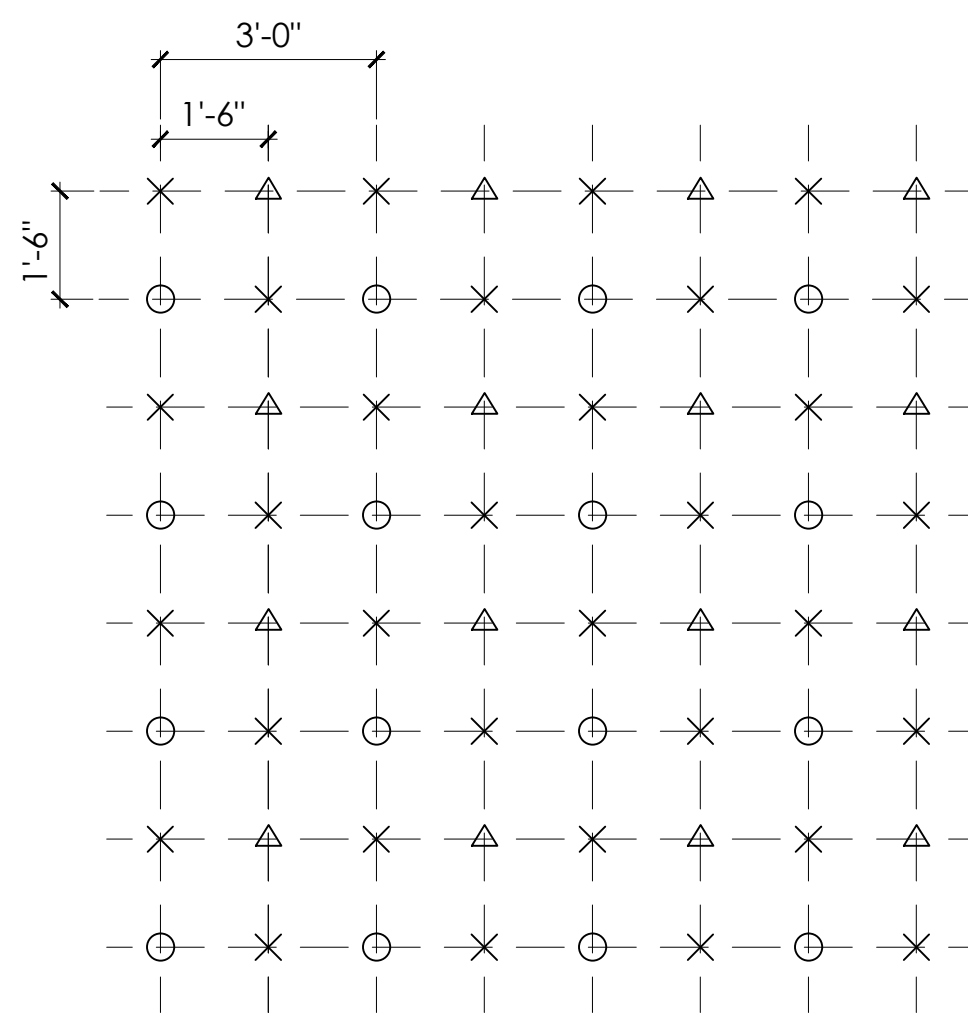
SEPTEMBER, 15, 2014  
 issue date

revisions

26TH THRU PEAR  
 DETAIL PLANTING  
 PLAN  
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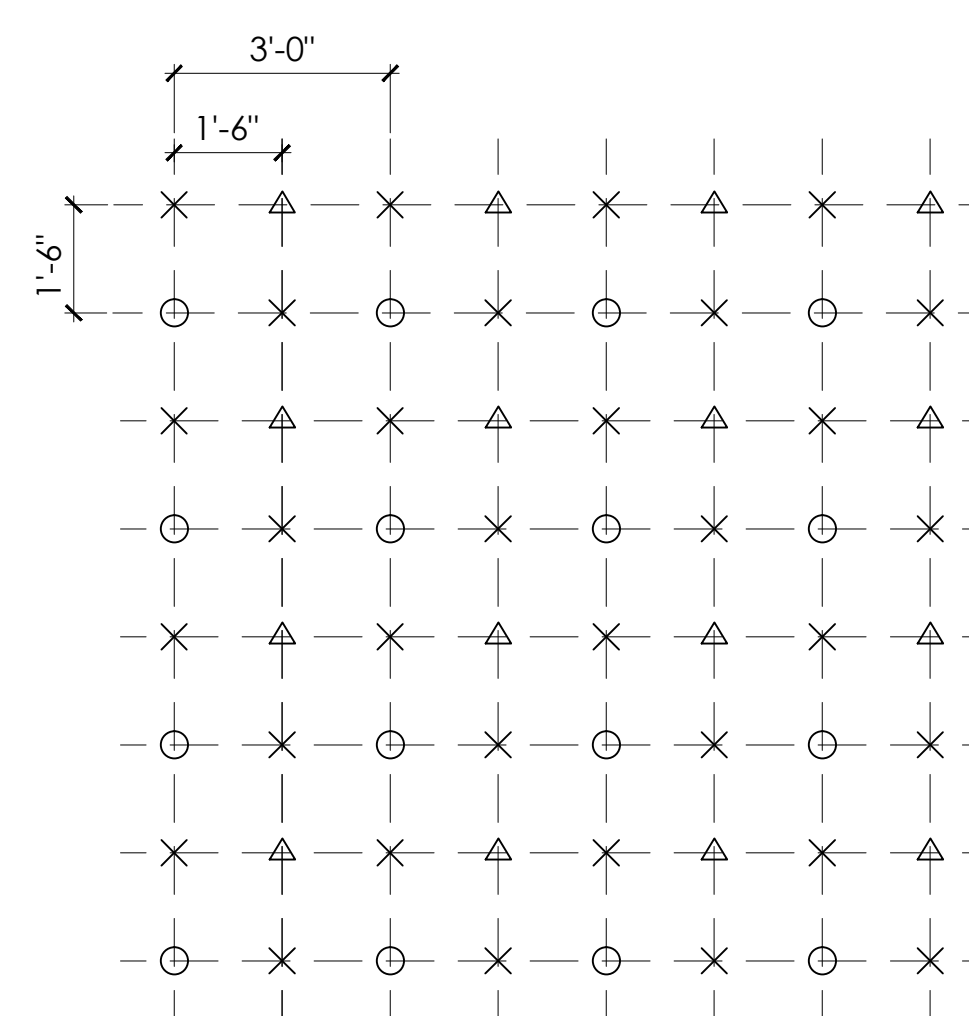
L1.03  
 sheet number

SYMBOL	Scientific Name	Common Name	Spacing
<b>TREES</b>			
AG	<i>Amelanchier x grandiflora 'Autumn Brilliance'</i>	Serviceberry	AS SHOWN
BN	<i>Betula nigra 'Cody'</i>	River Birch	AS SHOWN
CC	<i>Carpinus caroliniana</i>	American Hornbeam	AS SHOWN
HVA	<i>Hamamelis virginiana</i>	Witchhazel	AS SHOWN
PA	<i>Platanus x acerifolia 'Columbia'</i>	London Planetree	AS SHOWN
QB	<i>Quercus bicolor</i>	Swamp White Oak	AS SHOWN
UA	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	AS SHOWN
<b>SHRUBS</b>			
AA	<i>Aronia arbutifolia 'Bullantissima'</i>	Red Chokeberry	2' O.C.
CA	<i>Clethra alnifolia 'Hummingbird'</i>	Summersweet	3' O.C.
CS	<i>Cornus sericea 'Keleyi'</i>	Red Twig Dogwood	3' O.C.
FG	<i>Fothergilla gardenii 'Mount Airy'</i>	Dwarf Fothergilla	3' O.C.
IT	<i>Itea virginica 'Henry's Garnet'</i>	Virginia Sweetspire	3' O.C.
IL	<i>Ilex verticillata 'Red Sprite'</i>	Winterberry	3' O.C.
LB	<i>Lindera benzoin</i>	Spicebush	3' O.C.
RP	<i>Rhododendron perilymenoides</i>	Pinxterbloom Azalea	3' O.C.
VC	<i>Vaccinium corymbosum 'Tifblue'</i>	Highbush Blueberry	3' O.C.
VA	<i>Viburnum carlesii</i>	Koreanspice Viburnum	3' O.C.
VD	<i>Viburnum dentatum 'Blue Muffin'</i>	Arrowwood Viburnum	3' O.C.
VT	<i>Viburnum trilobum</i>	Amer. Cranberrybush Viburnum	3' O.C.
<b>GRASSES and SEDGES</b>			
CP	<i>Carex pensylvanica</i>	Pennsylvania Sedge	18" O.C.
ES	<i>Eragrostis spectabilis</i>	Purple Lovegrass	18" O.C.
PH	<i>Pennisetum alopecuroides 'Hameln'</i>	Fountain Grass	18" O.C.
SS	<i>Schizanthus scoparium</i>	Little Bluestem	18" O.C.
SH	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.
<b>PERENNIALS</b>			
AM	<i>Amsonia tabernaemontana</i>	Blue Star Amsonia	18" O.C.
AF	<i>Agastache foeniculum</i>	Hyssop	18" O.C.
AI	<i>Asclepias incarnata</i>	Swamp Milkweed	18" O.C.
AI	<i>Baptisia australis</i>	Fatal Blue Indigo	18" O.C.
EC-M	<i>Echinacea purpurea 'Magnus'</i>	Purple Coneflower	18" O.C.
EC-W	<i>Echinacea purpurea 'White Swan'</i>	White Swan Purple Coneflower	18" O.C.
EP	<i>Eupatorium perfoliatum</i>	Common Boneset	18" O.C.
EP-L	<i>Eupatorium purpureum 'Little Joe'</i>	Dwarf Joe Pye Weed	18" O.C.
HV	<i>Heuchera villosa 'Autumn Bride'</i>	Hairy Alumroot	12" O.C.
IS	<i>Iris sibirica 'Casar's Brother'</i>	Siberian Iris	18" O.C.
LS	<i>Liatris spicata 'Kobold'</i>	Blazing Star	12" O.C.
LO	<i>Labella siphilitica</i>	Great Blue Lobelia	12" O.C.
NT	<i>Nicotiana tabacum</i>	Tobacco	18" O.C.
RF	<i>Rudbeckia fulgida</i>	Orange Coneflower	18" O.C.
<b>VINES</b>			
BC	<i>Bignonia capreolata</i>	Cross Vine	
DB	<i>Decumaria barbara</i>	Climbing Hydrangea	
PQ	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	
<b>BULB PLANTING - AREA A</b>			
CF	<i>Chionodoxa forbesii 'Alba'</i>	Glory of the Snow	sun to partial shade
CM	<i>Convallaria majalis 'Albastrata'</i>	Lily of the Valley	partial shade to shade
CR	<i>Crocus sp</i>	Crocus	sun to partial shade
FM	<i>Fritillaria meleagris 'Guinea Hens'</i>	Guinea Hen Flower	sun to partial shade
GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade
HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade
NA-B	<i>Narcissus 'Bavourea'</i>	Trumpet Daffodil	sun to partial shade
NA-P	<i>Narcissus poeticus 'Dactyl'</i>	Daffodil	sun to partial shade
NA-R	<i>Narcissus 'Rijnveld's Early Sensation'</i>	Daffodil	sun to partial shade
SC	<i>Scilla sibirica 'Spring Beauty'</i>	Scilla	sun to partial shade
<b>BULB PLANTING - AREA B</b>			
CF	<i>Chionodoxa forbesii 'Alba'</i>	Glory of the Snow	sun to partial shade
CM	<i>Convallaria majalis 'Albastrata'</i>	Lily of the Valley	partial shade to shade
CR	<i>Crocus sp</i>	Crocus	sun to partial shade
FM	<i>Fritillaria meleagris 'Guinea Hens'</i>	Guinea Hen Flower	sun to partial shade
GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade
HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade
NA-B	<i>Narcissus 'Bavourea'</i>	Trumpet Daffodil	sun to partial shade
NA-P	<i>Narcissus poeticus 'Dactyl'</i>	Daffodil	sun to partial shade
NA-R	<i>Narcissus 'Rijnveld's Early Sensation'</i>	Daffodil	sun to partial shade
SC	<i>Scilla sibirica 'Spring Beauty'</i>	Scilla	sun to partial shade



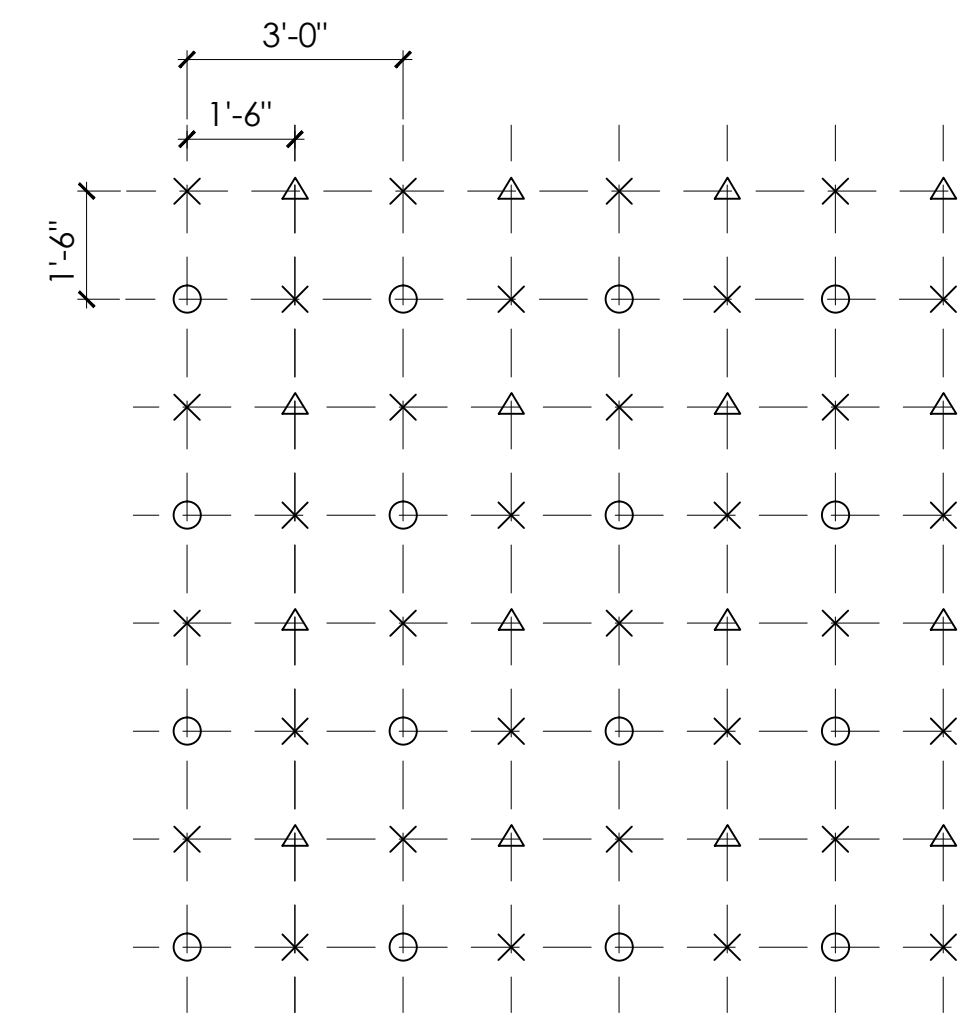
**PLANT KEY**  
 X PV-H : PANICUM VIRGATUM 'HEAVY METAL'  
 Δ ES : ERAGOSTIS SPECTABILIS  
 ○ EP-L : EUPATORIUM PURPUREUM 'LITTLE JOE'

**D LAYOUT DIAGRAM - MATRIX 'D'**  
 SCALE : 3'-8" = 1'-0"



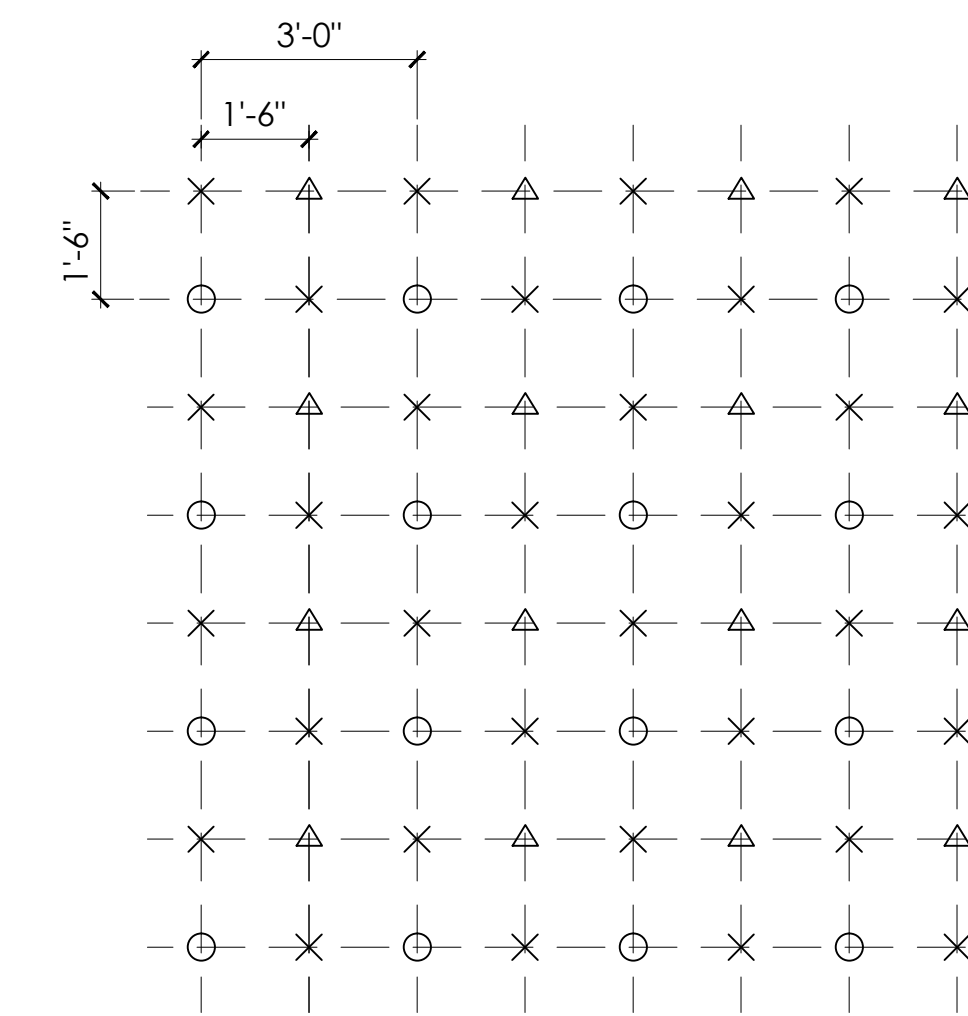
**PLANT KEY**  
 X PV-H : PANICUM VIRGATUM 'HEAVY METAL'  
 Δ MC : MUHLENBERGIA CAPILLARIS  
 ○ EC-M : ECHINACEA PURPUREA 'MAGNUS'

**E LAYOUT DIAGRAM - MATRIX 'E'**  
 SCALE : 3'-8" = 1'-0"



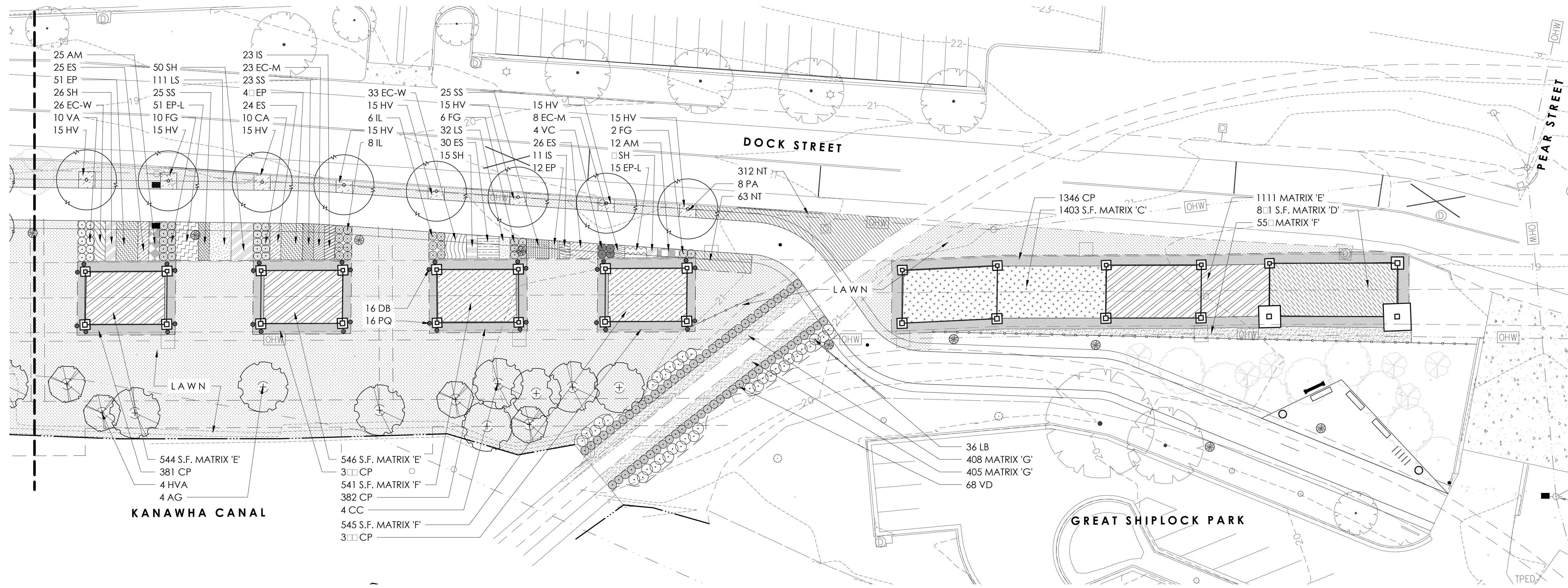
**PLANT KEY**  
 X PV-H : PANICUM VIRGATUM 'HEAVY METAL'  
 Δ CL : CHASMANTHIUM LATIFOLIUM  
 ○ RF : RUDBECKIA FULGIDA

**F LAYOUT DIAGRAM - MATRIX 'F'**  
 SCALE : 3'-8" = 1'-0"

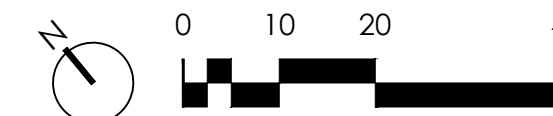


**PLANT KEY**  
 X EM : EUPATORIUM MACULATUM 'GATEWAY'  
 Δ PV-S : PANICUM VIRGATUM 'SHENANDOAH'  
 ○ ES : ERAGOSTIS SPECTABILIS

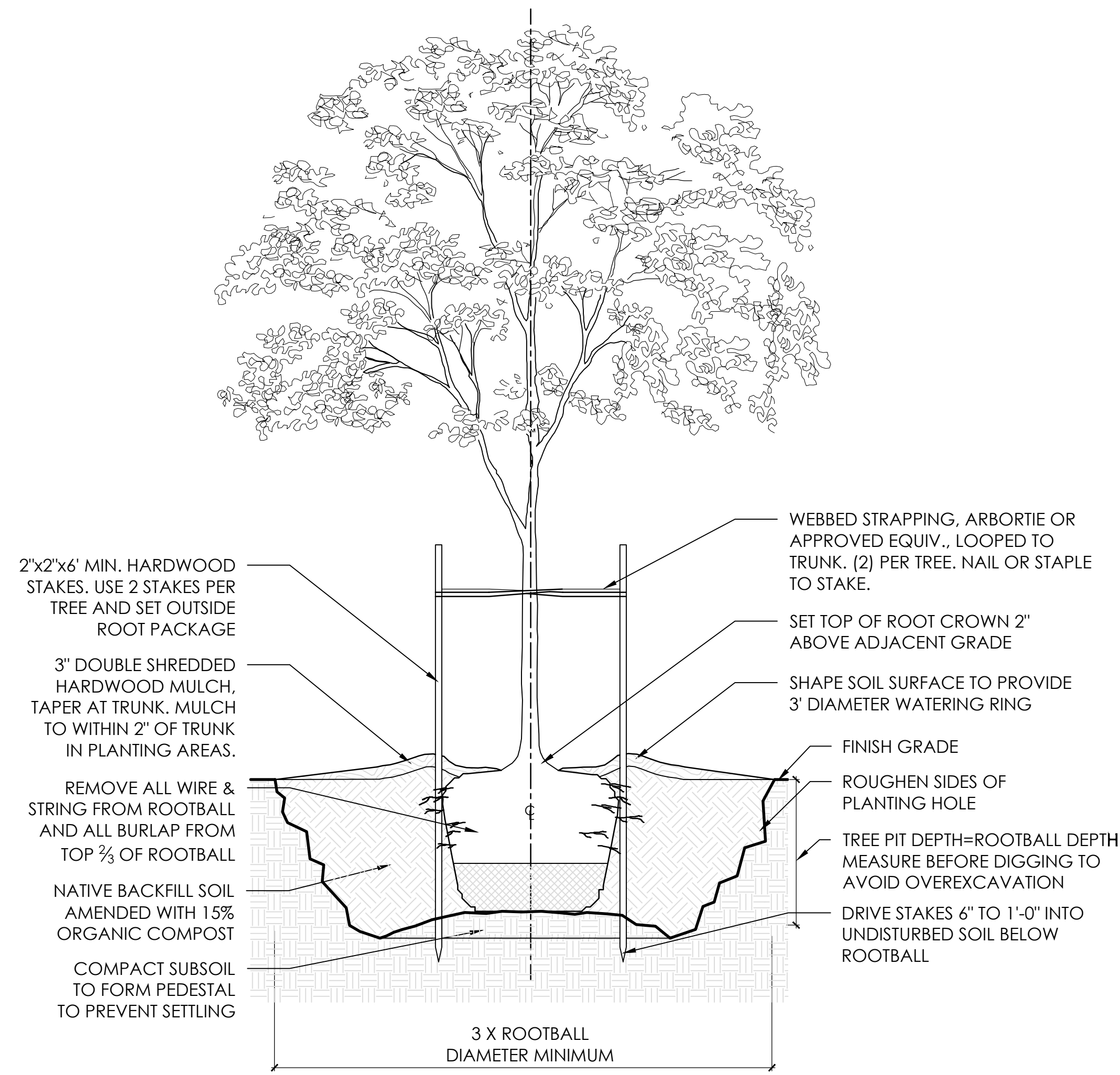
**G LAYOUT DIAGRAM - MATRIX 'G'**  
 SCALE : 3'-8" = 1'-0"



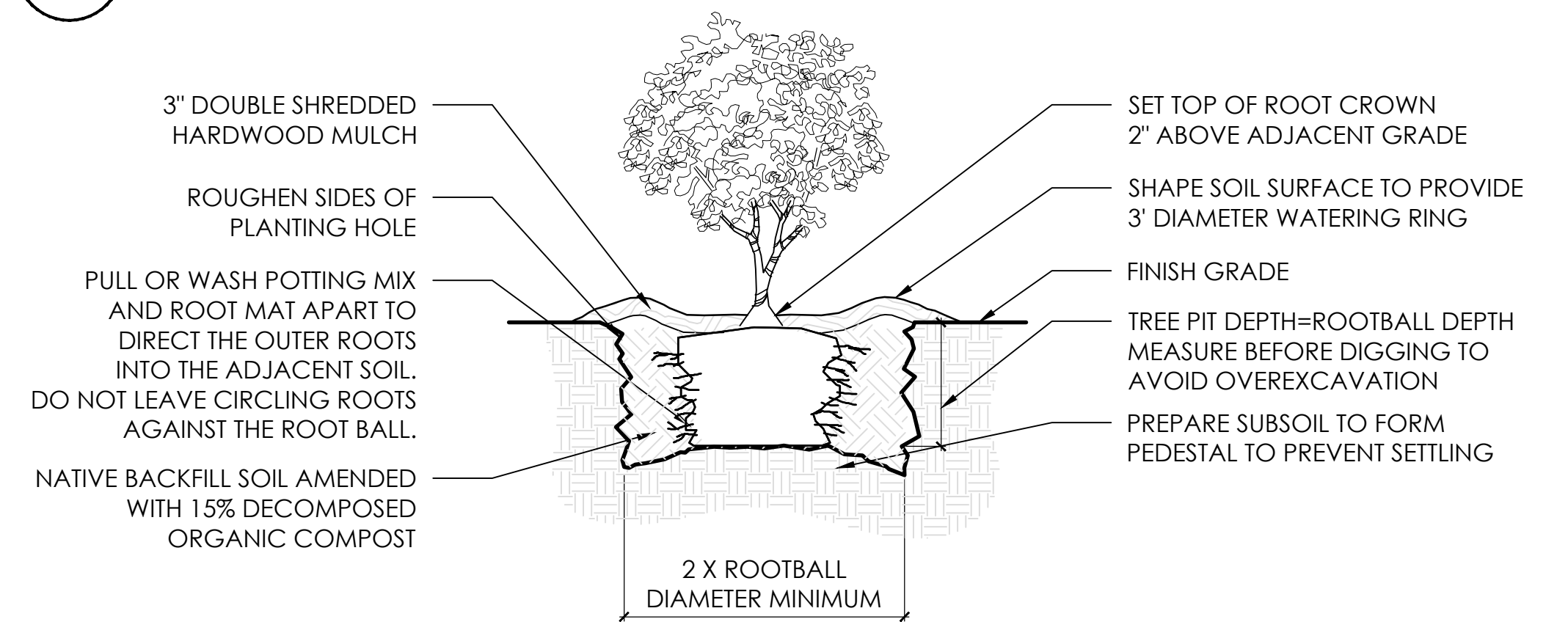
**26TH THRU PEAR - DETAIL PLANTING PLAN**  
 SCALE : 1" = 20'-0"



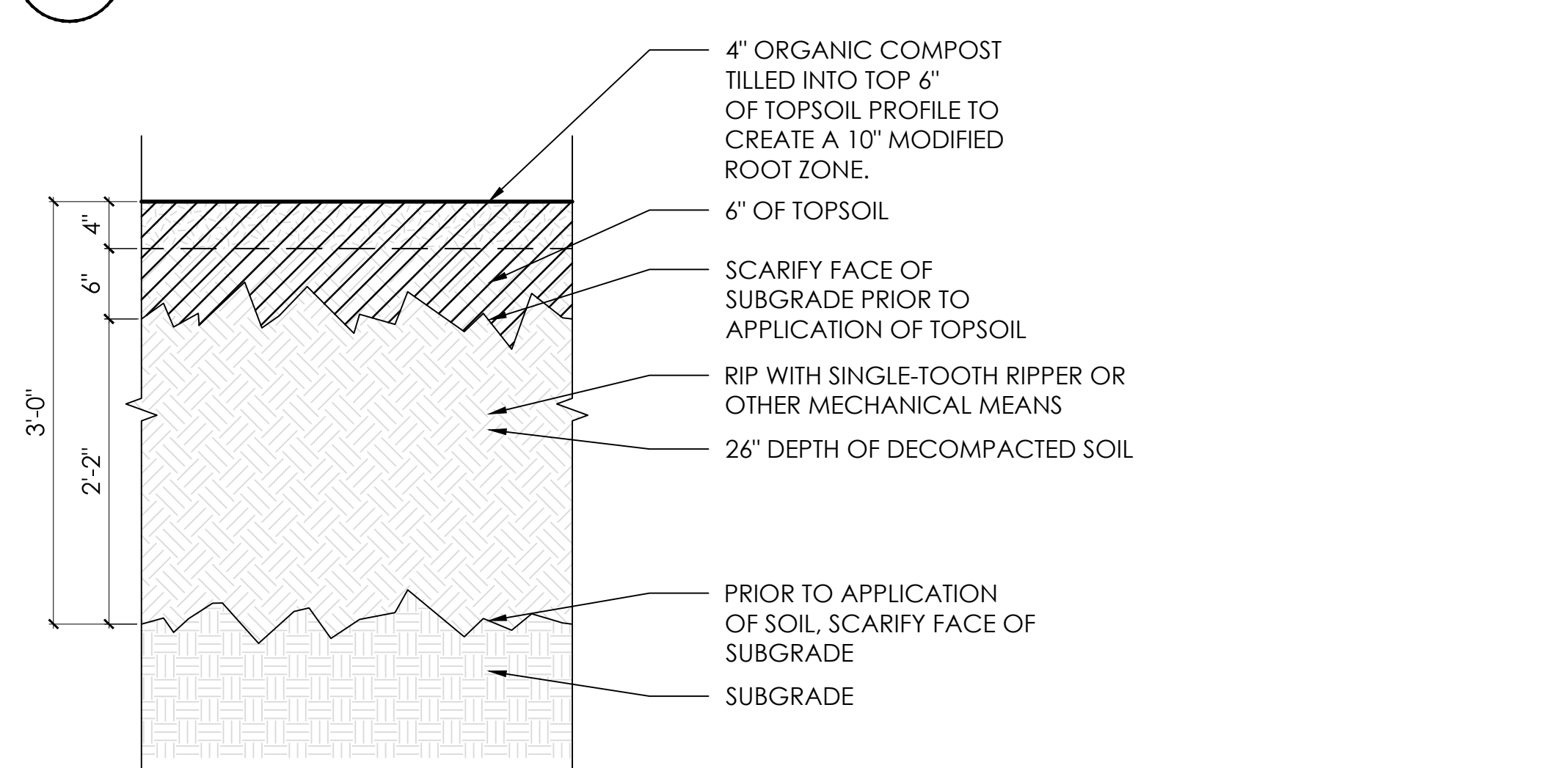
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**01** TREE STAKING DETAIL - SECTION  
SCALE: N.T.S.

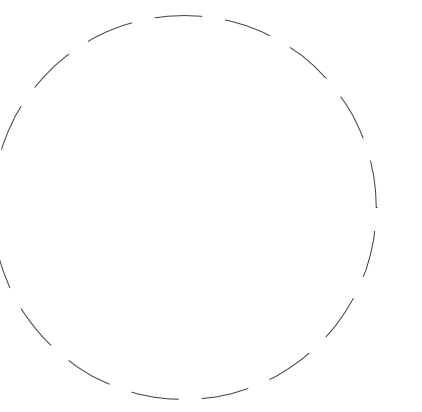


**02** TREE OR SHRUB PLANTING IN BEDS - SECTION  
SCALE: N.T.S.



**03** TREE OR SHRUB PLANTING SOIL - SECTION  
SCALE: 1" = 1'-0"

Low Line Planting Schedule							
QTY.	SYMBOL	Scientific Name	Common Name	Spacing	Size	Root	Notes
<b>TREES</b>							
9	AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Serviceberry	AS SHOWN	10' HL.	B&B	3 leaders, well branched
32	BN	<i>Beluta nigra</i> 'Cully'	River Birch	AS SHOWN	10' HL.	B&B	3 leaders, well branched
8	CC	<i>Carpinus caroliniana</i>	American Hornbeam	AS SHOWN	2" CAL.	B&B	
9	HVA	<i>Hamamelis virginiana</i>	Witchhazel	AS SHOWN	8' HL.	B&B	
29	PA	<i>Platanus x acerifolia</i> 'Columbia'	London Planetree	AS SHOWN	3" CAL.	B&B	well branched, straight dominant leader
12	QB	<i>Quercus bicolor</i>	Swamp White Oak	AS SHOWN	3" CAL.	B&B	
5	UA	<i>Ulmus americana</i> 'Princeton'	Princeton Elm	AS SHOWN	3" CAL.	B&B	
<b>SHRUBS</b>							
30	AA	<i>Aronia arbutifolia</i> 'Brillantissima'	Red Chokeberry	2' O.C.	3 GAL.	CONT.	
44	CA	<i>Clethra alnifolia</i> 'Hummingbird'	Summersweet	3' O.C.	3 GAL.	CONT.	
128	CS	<i>Cornus sericea</i> 'Kelsey'	Red Twig Dogwood	3' O.C.	3 GAL.	CONT.	full, dense, well rooted in pot
39	FG	<i>Fothergilla gardenii</i> 'Mount Airy'	Dwarf Fothergilla	3' O.C.	3 GAL.	CONT.	
32	IT	<i>Itea virginica</i> 'Henry's Garnet'	Virginia Sweetpire	3' O.C.	3 GAL.	CONT.	
26	IL	<i>Ilex verticillata</i> 'Red Sprite'	Winterberry	3' O.C.	3 GAL.	CONT.	7 Female to 1 male plants
36	LB	<i>Lindera benzoin</i>	Spicebush	3' O.C.	3 GAL.	CONT.	
30	RP	<i>Rhododendron perichlymenoides</i>	Pinxterbloom Azalea	3' O.C.	3 GAL.	CONT.	
12	VC	<i>Vaccinium corymbosum</i> 'Tifblue'	Highbush Blueberry	3' O.C.	3 GAL.	CONT.	
10	VA	<i>Viburnum carlesii</i>	Koreanspice Viburnum	3' O.C.	3 GAL.	CONT.	
80	VD	<i>Viburnum dentatum</i> 'Blue Muffin'	Arrowwood Viburnum	3' O.C.	3 GAL.	CONT.	
8	VT	<i>Viburnum trilobum</i>	Amer. Cranberrybush Viburnum	3' O.C.	3 GAL.	CONT.	
<b>GRASSES and SEDGES</b>							
6,877	CP	<i>Carex pensylvanica</i>	Pennsylvania Sedge	18" O.C.	3 QT.	CONT.	
1041	ES	<i>Eragrostis spectabilis</i>	Purple Lovegrass	18" O.C.	3 QT.	CONT.	
105	PH	<i>Pennisetum alopecuroides</i> 'Hamel'	Fountain Grass	18" O.C.	3 QT.	CONT.	
575	SS	<i>Schizachyrium scoparium</i>	Little Bluestem	18" O.C.	3 QT.	CONT.	
408	SH	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.	3 QT.	CONT.	
<b>PERENNIALS</b>							
133	AM	<i>Amsonia tabernaemontana</i>	Blue Star Amsonia	18" O.C.	3 QT.	CONT.	
190	AF	<i>Agastache foeniculum</i>	Hyssop	18" O.C.	3 QT.	CONT.	
35	AI	<i>Asclepias incarnata</i>	Swamp Milkweed	18" O.C.	3 QT.	CONT.	
77	BA	<i>Baptisia australis</i>	False Blue Indigo	18" O.C.	3 QT.	CONT.	
262	EC-M	<i>Echinacea purpurea</i> 'Magnus'	Purple Coneflower	18" O.C.	3 QT.	CONT.	
181	EC-W	<i>Echinacea purpurea</i> 'White Swan'	White Swan Purple Coneflower	18" O.C.	3 QT.	CONT.	
110	EP	<i>Eupatorium perfoliatum</i>	Common Boneset	18" O.C.	3 QT.	CONT.	
175	EP-L	<i>Eupatorium purpureum</i> 'Little Joe'	Dwarf Joe Pye Weed	18" O.C.	3 QT.	CONT.	
1,118	HV	<i>Heuchera villosa</i> 'Autumn Bride'	Hairy Alumroot	12" O.C.	3 QT.	CONT.	
293	IS	<i>Iris siberica</i> 'Caesar's Brother'	Siberian Iris	18" O.C.	3 QT.	CONT.	
371	LS	<i>Liatris spicata</i> 'Kobold'	Blazing Star	12" O.C.	3 QT.	CONT.	
119	LO	<i>Labella siphilitica</i>	Great Blue Lobelia	12" O.C.	3 QT.	CONT.	
574	NT	<i>Nicotiana tabacum</i>	Tobacco	18" O.C.	3 QT.	CONT.	
243	RF	<i>Rudbeckia fulgida</i>	Orange Coneflower	18" O.C.	3 QT.	CONT.	
<b>VINES</b>							
24	BC	<i>Bignonia capreolata</i>	Cross Vine		3 QT.	CONT.	
56	DB	<i>Decumaria barbara</i>	Climbing Hydrangea		3 QT.	CONT.	
56	PQ	<i>Parthenocissus quinquefolia</i>	Virginia Creeper		3 QT.	CONT.	
<b>BULB PLANTING - AREA A</b>							
1,000	CF	<i>Chionodoxa forbesii</i> 'Alba'	Glory of the Snow	sun to partial shade	early		Top size #1
1,000	CM	<i>Convallaria majalis</i> 'Albastrata'	Lily of the Valley	partial shade to shade	mid		Top size #1
2,000	CR	<i>Crocus sp.</i>	Crocus	sun to partial shade	early		White, Purple and Yellow
1,000	FM	<i>Fritillaria meleagris</i> 'Guinea Hens'	Guinea Hen Flower	sun to partial shade	mid		Top size #1
1,000	GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade	early		Top size #1
3,000	HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade	early		Top size #1
1,000	NA-B	<i>Narcissus</i> 'Bravoure'	Trumpet Daffodil	sun to partial shade	mid		Top size #1
1,000	NA-P	<i>Narcissus poeticus</i> 'Dactyl'	Daffodil	sun to partial shade	late		Top size #1
1,000	NA-R	<i>Narcissus</i> 'Rijnveld's Early Sensation'	Daffodil	sun to partial shade	early		Top size #1
2,000	SC	<i>Scilla siberica</i> 'Spring Beauty'	Scilla	sun to partial shade	early		Top size #1
<b>BULB PLANTING - AREA B</b>							
1,000	CF	<i>Chionodoxa forbesii</i> 'Alba'	Glory of the Snow	sun to partial shade	early		Top size #1
2,000	CM	<i>Convallaria majalis</i> 'Albastrata'	Lily of the Valley	partial shade to shade	mid		Top size #1
3,000	CR	<i>Crocus sp.</i>	Crocus	sun to partial shade	early		White, Purple and Yellow
1,000	FM	<i>Fritillaria meleagris</i> 'Guinea Hens'	Guinea Hen Flower	sun to partial shade	mid		Top size #1
3,000	GV	<i>Galanthus nivalis</i>	Snowdrop	sun to partial shade	early		Top size #1
4,000	HH	<i>Hyacinthoides hispanica</i>	Spanish Bluebells	sun to partial shade	early		Top size #1
1,000	NA-B	<i>Narcissus</i> 'Bravoure'	Trumpet Daffodil	sun to partial shade	mid		Top size #1
1,000	NA-P	<i>Narcissus poeticus</i> 'Dactyl'	Daffodil	sun to partial shade	late		Top size #1
1,000	NA-R	<i>Narcissus</i> 'Rijnveld's Early Sensation'	Daffodil	sun to partial shade	early		Top size #1
2,000	SC	<i>Scilla siberica</i> 'Spring Beauty'	Scilla	sun to partial shade	early		Top size #1
<b>Matrix Mix - Type A</b>							
716	DE	<i>Dryopteris erythrosora</i> 'Brilliance'	Brilliance Autumn Fern	18" O.C.	3 QT.	CONT.	
358	PA	<i>Polystichum acrostichoides</i>	Christmas Fern	18" O.C.	3 QT.	CONT.	
358	AM	<i>Amsonia tabernaemontana</i>	Blue Star Amsonia	18" O.C.	3 QT.	CONT.	
<b>Matrix Mix - Type B</b>							
270	CG	<i>Chelone glabra</i>	Turtlehead	18" O.C.	3 QT.	CONT.	
1,080	JE	<i>Juncus effusus</i>	Soft Rush	18" O.C.	3 QT.	CONT.	
270	HM	<i>Hibiscus moscheutos</i>	Swamp Rose-Mallow	18" O.C.	3 QT.	CONT.	
530	IS	<i>Iris siberica</i> 'Caesar's Brother'	Siberian Iris	18" O.C.	3 QT.	CONT.	
530	LS	<i>Liatris spicata</i> 'Kobold'	Blazing Star	18" O.C.	3 QT.	CONT.	
530	LC	<i>Labella cardinalis</i>	Cardinal Flower	18" O.C.	3 QT.	CONT.	
530	OC	<i>Osmunda cinnamomea</i>	Cinnamon Fern	18" O.C.	3 QT.	CONT.	
<b>Matrix Mix - Type C</b>							
546	PV-H	<i>Panicum virgatum</i> 'Heavy Metal'	Switchgrass	18" O.C.	3 QT.	CONT.	
273	SS	<i>Schizachyrium scoparium</i>	Little Bluestem	18" O.C.	3 QT.	CONT.	
273	AM	<i>Amsonia tabernaemontana</i>	Blue Star Amsonia	18" O.C.	3 QT.	CONT.	
<b>Matrix Mix - Type D</b>							
430	PV-H	<i>Panicum virgatum</i> 'Heavy Metal'	Switchgrass	18" O.C.	3 QT.	CONT.	
215	ES	<i>Eragrostis spectabilis</i>	Purple Lovegrass	18" O.C.	3 QT.	CONT.	
215	EP-L	<i>Eupatorium purpureum</i> 'Little Joe'	Dwarf Joe Pye Weed	18" O.C.	3 QT.	CONT.	
<b>Matrix Mix - Type E</b>							
484	PV-H	<i>Panicum virgatum</i> 'Heavy Metal'	Switchgrass	18" O.C.	3 QT.	CONT.	
242	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	18" O.C.	3 QT.	CONT.	
242	EC-M	<i>Echinacea purpurea</i> 'Magnus'	Purple Coneflower	18" O.C.	3 QT.	CONT.	
<b>Matrix Mix - Type F</b>							
240	PV-H	<i>Panicum virgatum</i> 'Heavy Metal'	Switchgrass	18" O.C.	3 QT.	CONT.	
120	CL	<i>Chasmanthium latifolium</i>	River Oats	18" O.C.	3 QT.	CONT.	
120	RF	<i>Rudbeckia fulgida</i>	Orange Coneflower	18" O.C.	3 QT.	CONT.	
<b>Matrix Mix - Type G</b>							
715	EM	<i>Eupatorium maculatum</i> 'Gateway'	Joe Pye Weed	18" O.C.	3 QT.	CONT.	
357	PV-S	<i>Panicum virgatum</i> 'Shenandoah'	Switchgrass	18" O.C.	3 QT.	CONT.	
357	ES	<i>Eragrostis spectabilis</i>	Purple Lovegrass	18" O.C.	3 QT.	CONT.	



professional seal

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project manager  
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project team



**LOW LINE**  
project name

CAPITAL TREES  
client  
DOCK STREET  
RICHMOND, VIRGINIA 23223  
project address

1406  
project number

DESIGN DEVELOPMENT  
project phase

SEPTEMBER, 15, 2014  
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revisions

**PLANTING DETAILS**  
sheet title

**L2.00**  
sheet number