



UPPER BEE BRANCH CREEK RESTORATION

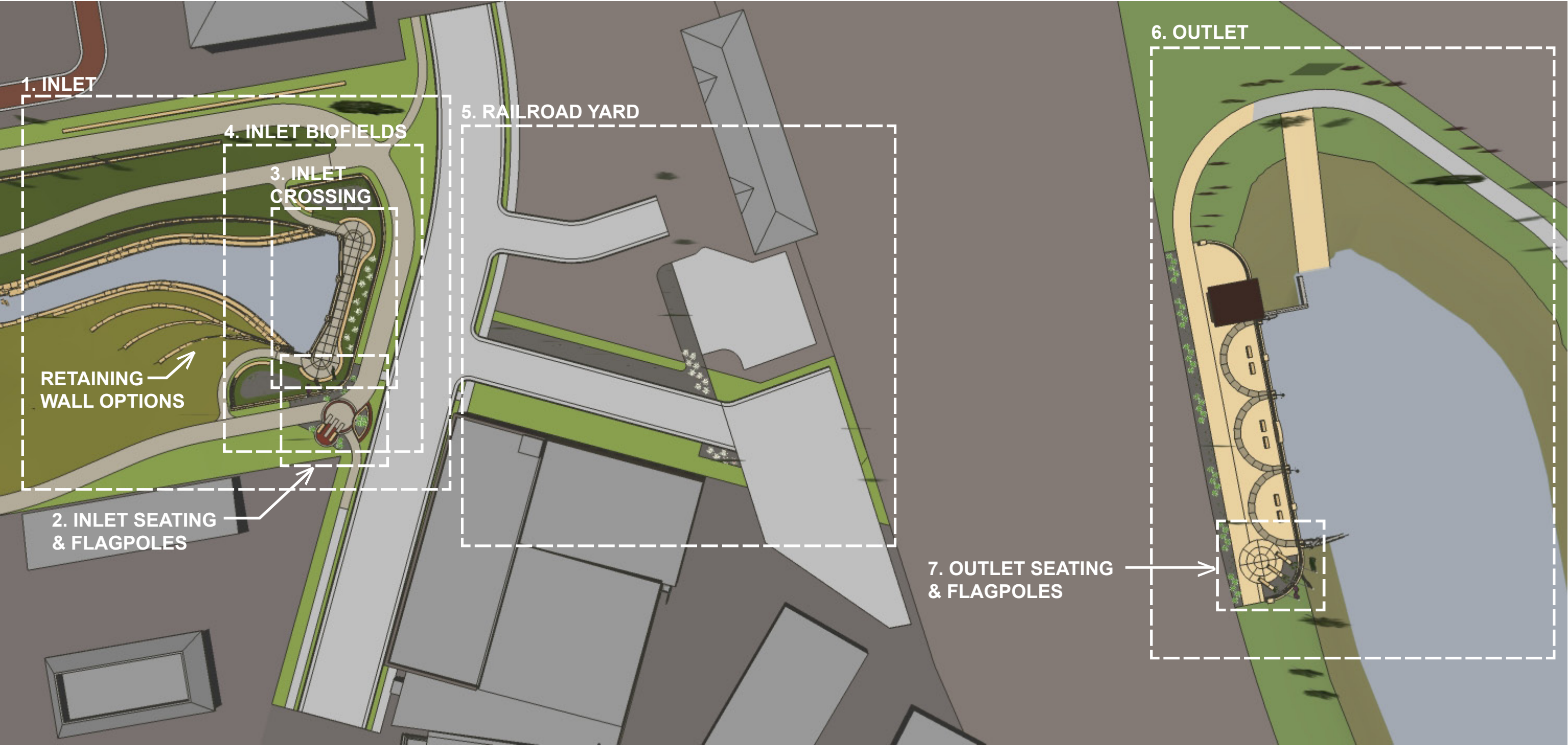
CITY OF DUBUQUE
DUBUQUE COUNTY, IOWA

PART 1 - PLANTING & AESTHETICS

JANUARY 2014

CONTENT

OVERALL PLAN VIEW.....	1	5. RAILROAD YARD.....	10-11
1. INLET.....	2-3	AERIAL VIEW, 10	
AERIAL VIEW, 2		PLANTING PLAN, 11	
PLANTING PLAN, 3		6. OUTLET.....	12-13
2. INLET SEATING & FLAGPOLES.....	4-5	AERIAL VIEW, 12	
AERIAL VIEW, 4		PLANTING PLAN, 13	
PLANTING PLAN, 5		7. OUTLET SEATING & FLAGPOLES.....	14-15
3. INLET CROSSING.....	6-7	AERIAL VIEW, 14	
AERIAL VIEW, 6		PLANTING PLAN, 15	
PLANTING PLAN, 7		RETAINING WALL OPTIONS.....	16-17
4. INLET BIOFIELDS.....	8-9	A) GRAVITY BLOCK WALL, 16	
AERIAL VIEW, 8		B) COMPOSITE NATIVE LIMESTONE WALL, 17	
PLANTING PLAN, 9			



OVERALL PLAN VIEW



Fescue Lawn



Shortgrass Prairie Mix

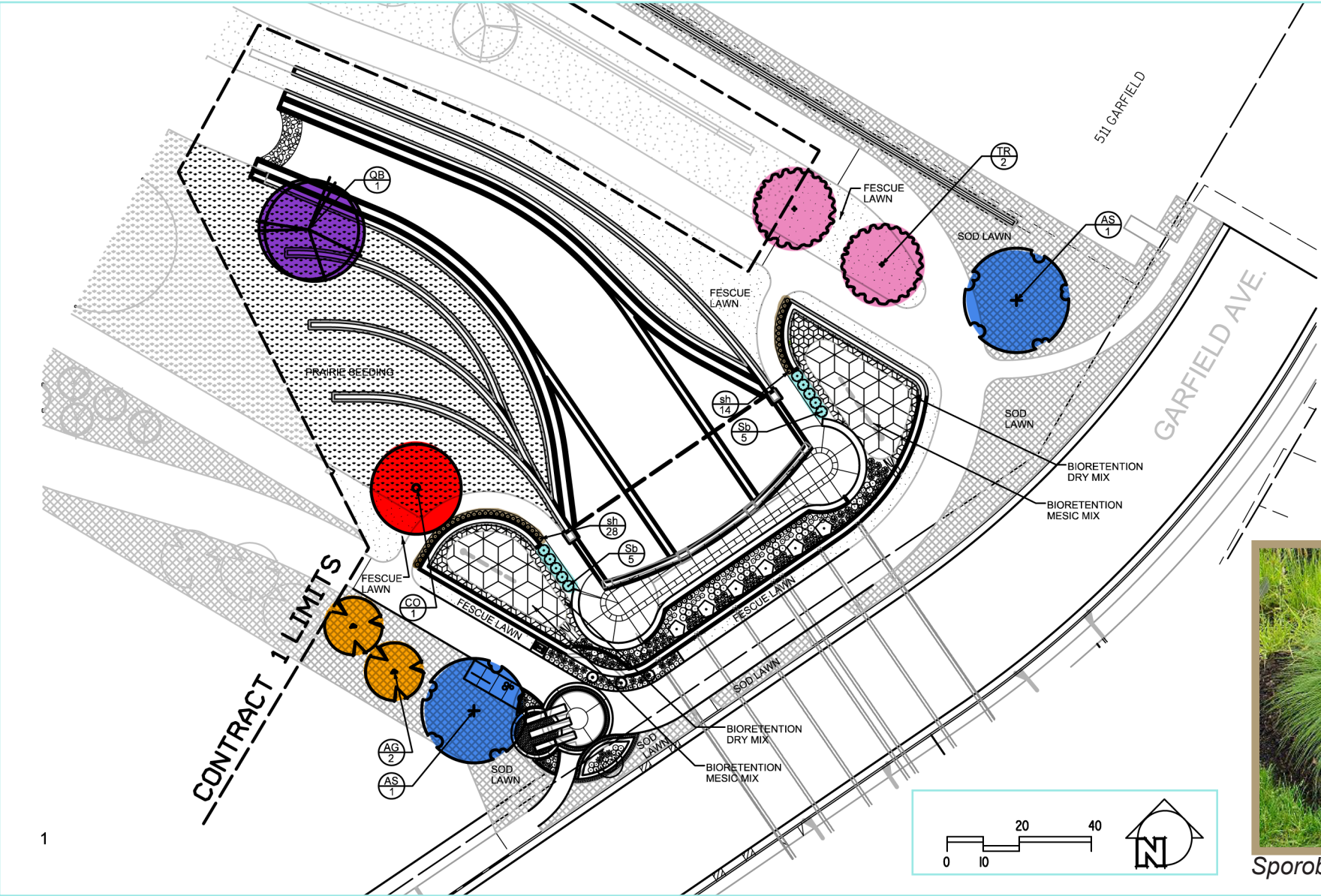
1. INLET - AERIAL VIEW

Plant List - 1

Key	Botanical Name	Common Name	Mature Size	Form	Foliage	Fall Color	Flower	Fruit	Notes
Deciduous Canopy Trees									
AS	<i>Acer saccharum</i> 'Bailsta'	Fall Fiesta Sugar Maple	50' ht x 60' sp	Upright rounded	Glossy green	Red-orange	Insignificant	Double samara	Unique "pebbly" bark
CO	<i>Celtis occidentalis</i>	Hackberry	40-60' ht x 40-60' sp	Vase-shaped	Medium green	Yellow	Insignificant	Rounded drupe	
QB	<i>Quercus bicolor</i>	Swamp White Oak	50-60' ht x 40-60' sp	Rounded, spreading	Glossy green	Golden-brown	Insignificant	Long-stem acorn	
TR	<i>Tilia americana</i> 'Redmond'	Redmond Linden	50-70' ht x 30-45' sp	Pyramidal to oval	Glossy green	Yellow	Pale yellow cyme	grey nutlet	
Deciduous Ornamental Trees									
AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	20-25' ht x 20-25' sp	Multit-stemmed, rounded crown	Medium green	Orange to red	Showy white	Red pome	High disease resistance
Deciduous Shrubs									
Sb	<i>Spiraea betulifolia</i> 'Tor'	Tor Spirea	2-3' ht x 2-3' sp	Compact, rounded mound	Birch-like dark green	Gold, red/purple	Showy white	Follicle	
Perennials/Grasses/Groundcovers									
sh	<i>Sporobolus heterolepis</i> 'Tara'	Tara Prairie Dropseed	1.5-2' ht x 1.5' sp	Compact clump	Fine-textured emerald green	Golden-tan	Graceful large golden tufts	Fragrant airy seed head	



Amelanchier grandiflora 'Autumn Brilliance'



Acer saccharum 'Bailsta'



Tilia americana 'Redmond'



Quercus bicolor



Sporobolus heterolepis 'Tara'

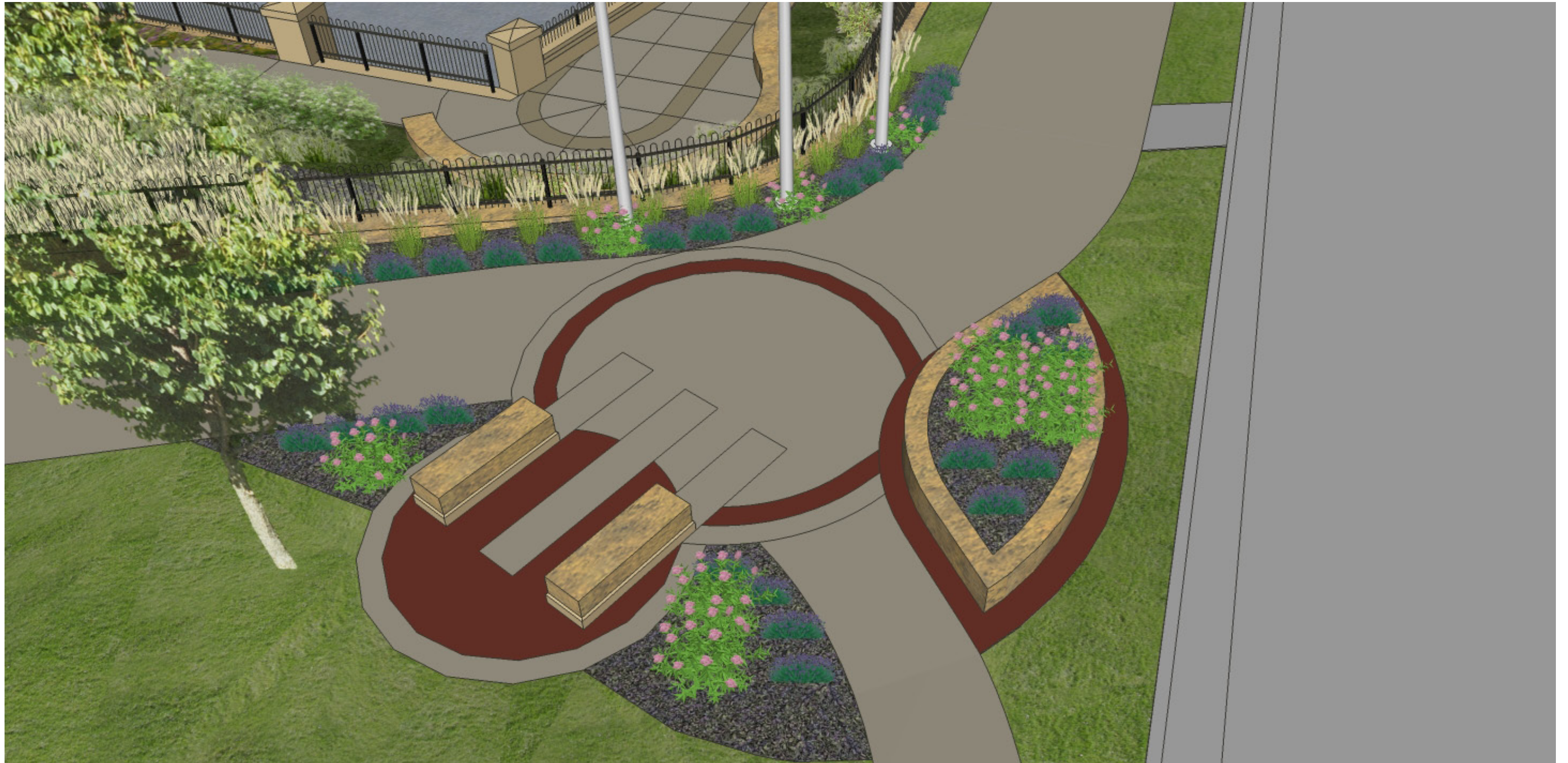


Spiraea betulifolia 'Tor'



Celtis occidentalis

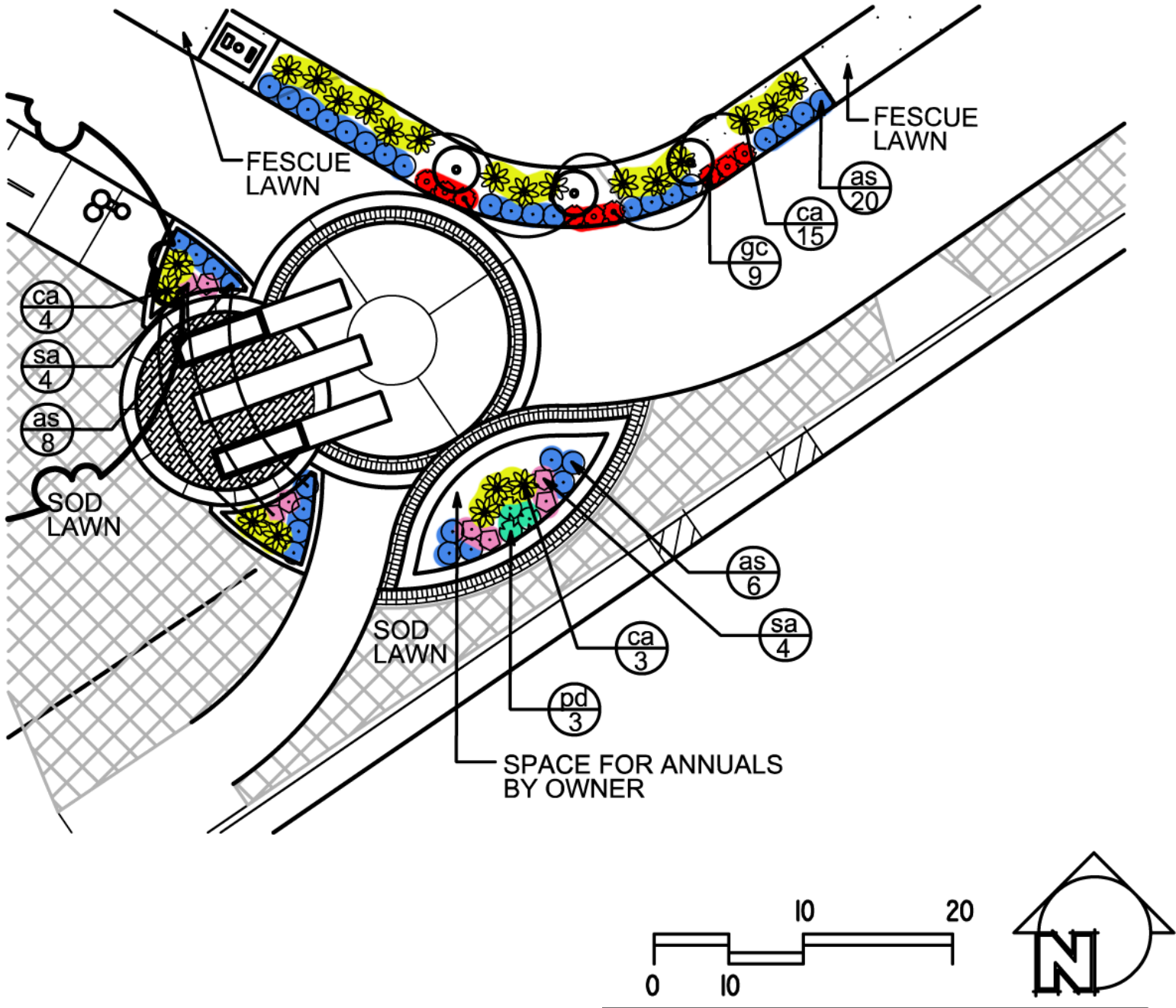
1. INLET - PLANTING PLAN



2. INLET SEATING AND FLAGPOLES - AERIAL VIEW

Plant List - 2

Key	Botanical Name	Common Name	Mature Size	Form	Foliage	Fall Color	Flower	Fruit
Perennials/Grasses/Groundcovers								
as	<i>Allium x 'Summer Beauty'</i>	Summer Beauty Allium	1.5' ht x 1.5' sp	Clump-forming, upright	Glossy green	No change	Lavender/pink globes	Insignificant
ca	<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	4-6' ht x 2-3' sp	Clump-forming, upright	Green, medium blade	Golden-tan	Tan, spiked inflorescences	Insignificant
gc	<i>Geranium x cantabrigiense 'Karmina'</i>	Karmina Geranium	8-12" ht x 18-24" sp	Mat-forming, spreading	Semi-evergreen	Orange to red	Red-violet	Insignificant
pd	<i>Penstemon x 'Dark Towers'</i>	Dark Towers Penstemon	2-3' ht x 1.5-2' sp	Upright	Purple-black	No change	Pink, bell shaped	Insignificant
sa	<i>Sedum 'Autumn Fire'</i>	Autumn Fire Sedum	1.5-2' ht x 1.5-2' sp	Tightly compact, mounding	Blue-green waxy succulent	No change	Mauve-pink to rusty red	Insignificant



Geranium x cantabrigiense 'Karmina'



Calamagrostis x acutiflora 'Karl Foerster'



Sedum 'Autumn Fire'



Allium x 'Summer Beauty'



Penstemon x 'Dark Towers'

2. INLET SEATING AND FLAGPOLES - PLANTING PLAN

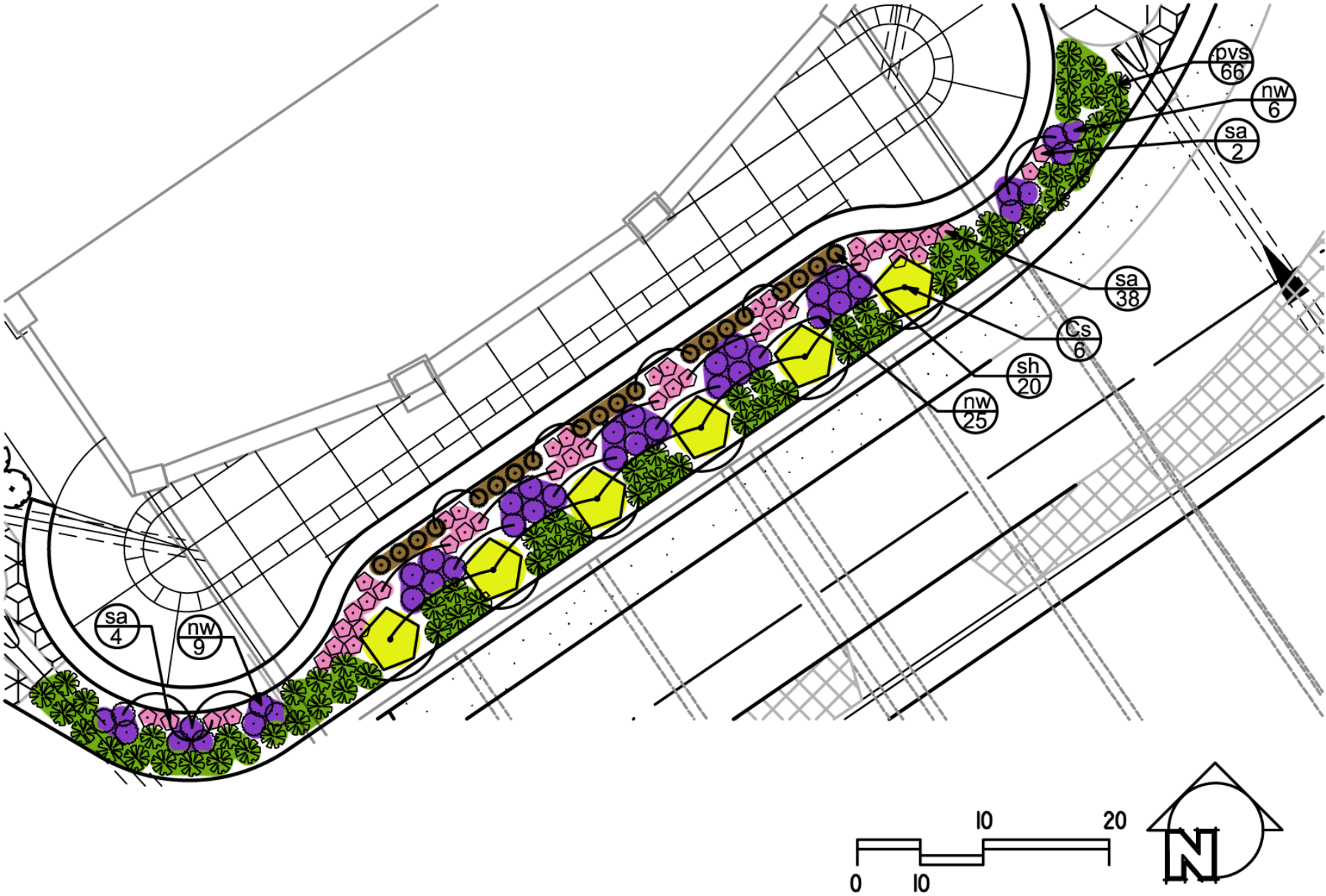


3. INLET CROSSING - AERIAL VIEW

Plant List -3									
Key	Botanical Name	Common Name	Mature Size	Form	Foliage	Fall Color	Flower	Fruit	Notes
Deciduous Shrubs									
Cs	<i>Cornus sericea</i> 'Alleman's Compact'	Alleman's Compact Dogwood	4-5' ht x 4-5' sp	Rounded, stoloniferous	Green	Yellow	white	Bright red berries	Red twig color
Perennials/Grasses/Groundcovers									
nw	<i>Nepeta faassenii</i> 'Walker's Low'	Walker's Low Catmint	2.5' ht x 2.5' sp	Compact, low mounding	Gray-green	No change	Deep lavender-blue	Insignificant	
pvs	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switch Grass	3-5' ht x 2-3' sp	Stiff, upright	Dark green blades	Reddish-burgundy tones	Pinkish plumes	Insignificant	
sa	<i>Sedum</i> 'Autumn Fire'	Autumn Fire Sedum	1.5-2' ht x 1.5-2' sp	Tightly compact, mounding	Blue-green waxy succulent	No change	Muave-pink to rusty red	Insignificant	
sh	<i>Sporobolus heterolepis</i> 'Tara'	Tara Prairie Dropseed	1.5-2' ht x 1.5' sp	Compact clump	Fine-textured emerald green	Golden-tan	Graceful large golden tufts	Fragrant airy seed head	



Cornus sericea 'Alleman's Compact'



Nepeta faassenii 'Walker's Low'



Panicum virgatum 'Shenandoah'



Sporobolus heterolepis 'Tara'



Sedum 'Autumn Fire'

3. INLET CROSSING - PLANTING PLAN



4. INLET BIOFIELDS - AERIAL VIEW

1. Biofield Plugs – Dry Mix
- a.

Leadplant

(*Amorpha canescens*)
- b.

Butterfly Weed

(*Asclepias tuberosa*)
- c.

Heath Aster

(*Aster ericoides*)
- d.

New England Aster

(*Aster novae-angliae*)
- e.

Sideoats Grama

(*Bouteloua curtipendula*)
- f.

Showy Tick Trefoil

(*Desmodium canadense*)
- g.

Pale Purple Coneflower

(*Echinacea pallida*)
- h.

Canada Wild Rye

(*Elymus canadensis*)
- i.

Prairie Blazingstar

(*Liatris pycnostachya*)
- j.

Switchgrass

(*Panicum virgatum*)
- k.

Sweet Black Eyed Susan

(*Rudbeckia subtomentosa*)
- l.

Little Bluestem

(*Schizachyrium scoparium*)
- m.

Showy Goldenrod

(*Solidago speciosa*)
- n.

Indiangrass

(*Sorghastrum nutans*)
- o.

Prairie Dropseed

(*Sporobolus heterolepis*)
- p.

Western Spiderwort

(*Tradescantia occidentalis*)
- q.

Hoary Vervain

(*Verbena stricta*)



Sorghastrum nutans



Rudbeckia subtomentosa



Schizachyrium scoparium



Echinacea pallida



Asclepias tuberosa

2. Biofield Plugs – Mesic Mix
- a.

Nodding Pink Onion

(*Allium cernuum*)
- b.

New England Aster

(*Aster novae-angliae*)
- c.

White False Indigo

(*Baptisia lactea*)
- d.

Copper Shouldered Oval Sedge

(*Carex bicknellii*)
- e.

Bristly Sedge

(*Carex comosa*)
- f.

Brown Fox Sedge

(*Carex vulpinoidea*)
- g.

Tufted Hair Grass

(*Deschampsia cespitosa*)
- h.

Canada Wild Rye

(*Elymus canadensis*)
- i.

Blue Flag Iris

(*Iris versicolor*)
- j.

Marsh Blazingstar

(*Liatris spicata*)
- k.

Great Blue Lobelia

(*Lobelia siphilitica*)
- l.

Switchgrass

(*Panicum virgatum*)
- m.

Bergamot

(*Monarda fistulosa*)
- n.

Smooth Penstemon

(*Penstemon digitalis*)
- o.

Obedient Plant

(*Physostegia virginiana*)
- p.

Cup Plant

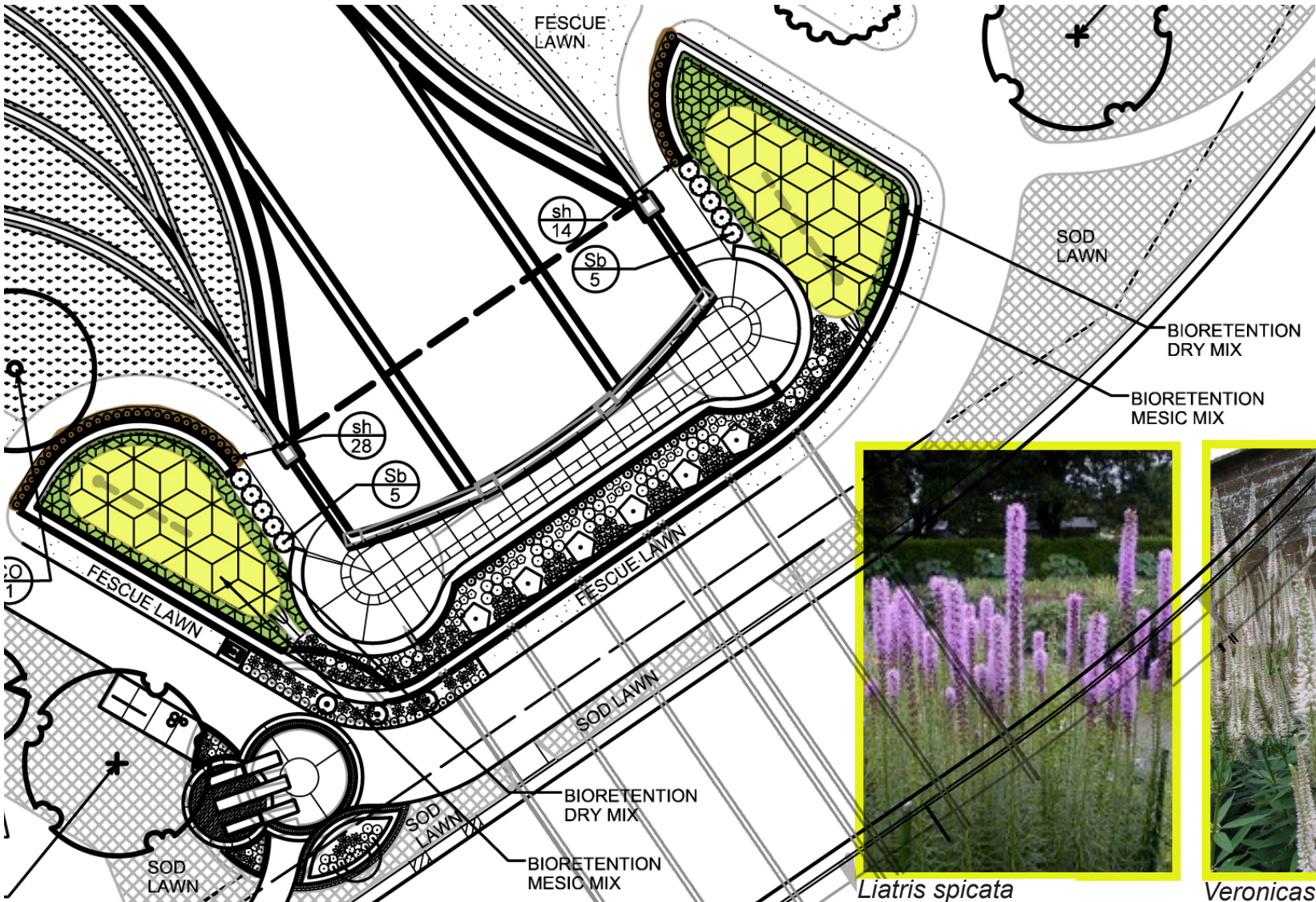
(*Silphium perfoliatum*)
- q.

Ohio Spiderwort

(*Tradescantia ohioensis*)
- r.

Culver's Root

(*Veronicastrum virginicum*)



Liatris spicata



Veronicastrum virginicum



Elymus canadensis



Iris versicolor



Baptisia lactea

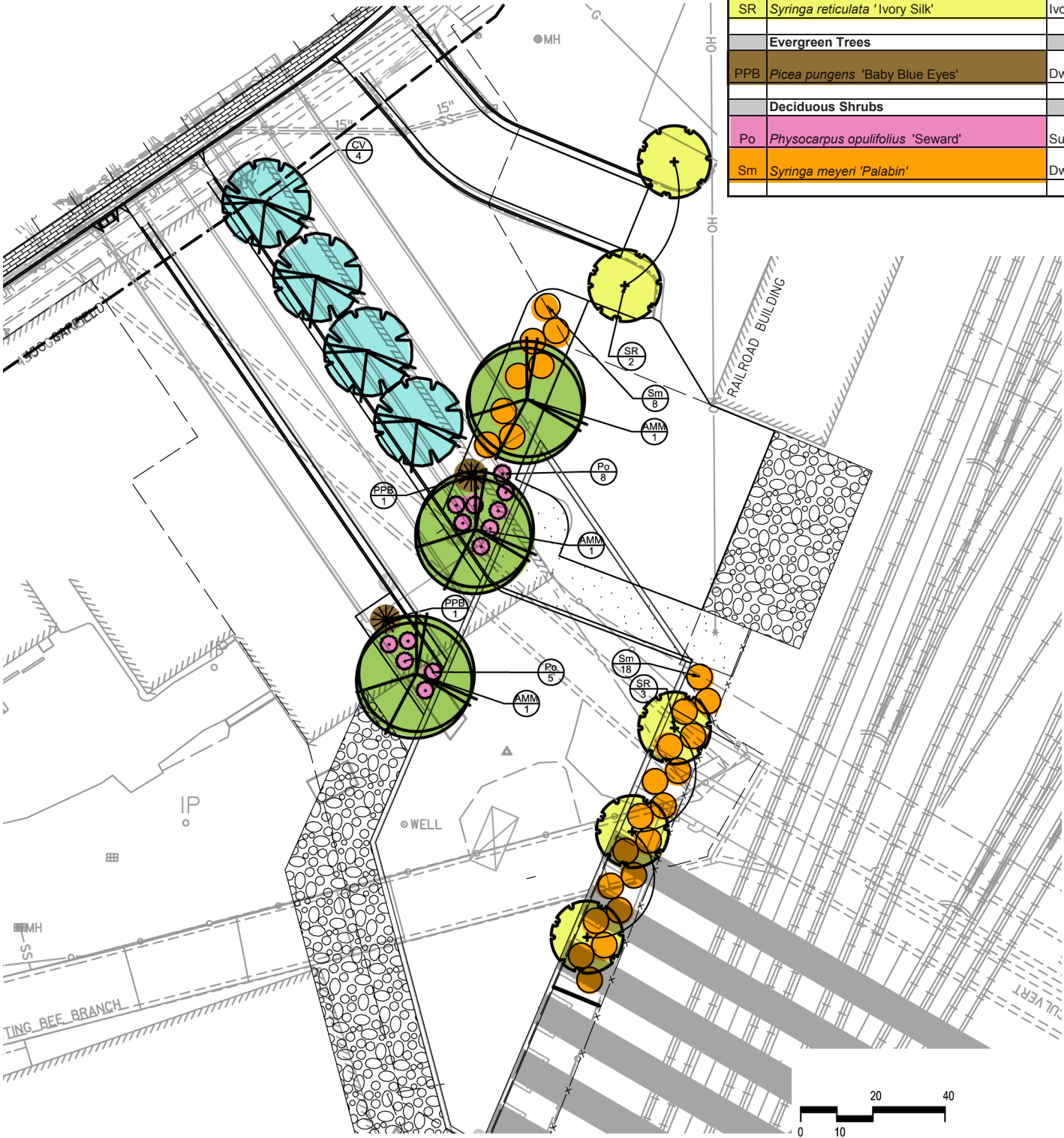
4. INLET BIOFIELDS - PLANTING PLAN



5. RAILROAD YARD - AERIAL VIEW

Plant List - 5

Key	Botanical Name	Common Name	Planted Size	Spec.	Mature Size	Form	Foliage	Fall Color	Flower	Fruit	Notes
Deciduous Canopy Trees											
AMM	<i>Acer miyabei</i> 'Morton'	State Street Maple	2.5" Cal. / 12-14' Ht.	B&B	30-40' ht. x 30-40' sp. Medium growth rt.	Upright oval	Dark green	Yellow	Insignificant	Double samara	
Deciduous Ornamental Trees											
CV	<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn	2" Cal. / 8-10' Ht.	B&B	25-35' ht. x 25-30' sp. Slow to medium growth rt.	Vase-shaped	dark green	Bronze-red to purple	White	Showy red, persisting	Ornamental bark
SR	<i>Syringa reticulata</i> 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	2" Cal. / 8-10' Ht.	B&B	25' ht. x 15-20' sp. Medium growth rt.	Oval, rounded crown	Dark green	Insignificant	Showy white, fragrant	Insignificant	Ornamental bark
Evergreen Trees											
PPB	<i>Picea pungens</i> 'Baby Blue Eyes'	Dwarf Blue Spruce	4' Ht.	B&B	15-18' ht x 6-8' sp	Slow growing, pyramidal	Silvery-blue needles	No change	Insignificant	Insignificant	Grows 2-3" per year
Deciduous Shrubs											
Po	<i>Physocarpus opulifolius</i> 'Seward'	Summerwine Ninebark	5 gal.	Cont.	5-6' ht x 5-6' sp	Compact arching	Deep-cut crimson-red	No change	Pinkish-white	Insignificant	Ornamental bark
Sm	<i>Syringa meyeri</i> 'Palabin'	Dwarf Korean Lilac	5 gal.	Cont.	4-5' ht x 5-7' sp	Rounded, non-suckering	Green	No change	Fragrant, lilac-rose	Small capsule	



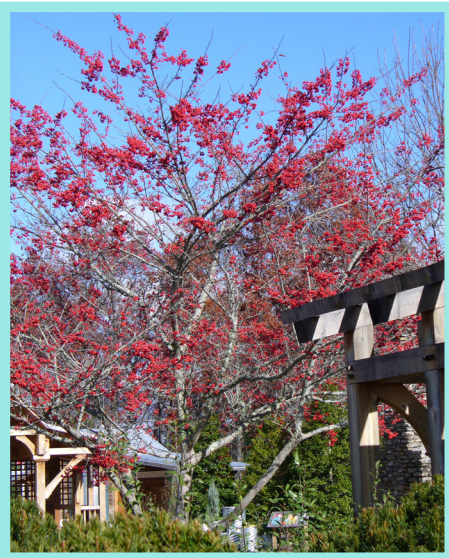
Picea Pungens
'Baby Blue Eyes'



Syringa meyeri 'Palabin'



Physocarpus opulifolius 'Seward'



Crataegus viridis 'Winter King'



Acer miyabei 'Morton'



Syringa reticulata 'Ivory Silk'

5. RAILROAD YARD - PLANTING PLAN



6. OUTLET - AERIAL VIEW

Plant List -6

Key	Botanical Name	Common Name	Mature Size	Form	Foliage	Fall Color	Flower	Fruit	Notes
Deciduous Canopy Trees									
AMM	<i>Acer miyabei</i> 'Morton'	State Street Maple	30-40' ht x 30-40' sp	Upright oval	Dark green	Yellow	Insignificant	Double samara	
QB	<i>Quercus bicolor</i>	Swamp White Oak	50-60' ht x 40-60' sp	Rounded, spreading	Glossy green	Golden-brown	Insignificant	Long-stem acorn	
Deciduous Ornamental Trees									
AL	<i>Alnus glutinosa</i>	European Alder	40-60' ht x 20-40' sp	Narrow pyramidal	Dark glossy green	Insignificant	Catkins; Insignificant	Insignificant	Nitrogen fixer
AA	<i>Amelanchier arborea</i>	Downy Serviceberry	15-25' ht x 15-25 sp	Mult-stemmed, rounded crown	Medium green	Orange to red	Showy white	Red pome	Ornamental bark
PM	<i>Prunus maackii</i>	Amur Chokecherry	20-30' ht x 18-25' sp	Dense, broad rounded	Medium green	Dull yellow	Showy white, fragrant	Glossy black cherries	Ornamental bark
PV	<i>Prunus virginiana</i> 'Canada Red'	Canada Red Chokecherry	20-30' ht x 15-20' sp	Pyramidal	Colorful, green to burgundy	Purple/burgundy	Showy white	Red to purple cherries	Ornamental bark
Deciduous Shrubs									
Sb	<i>Spiraea betulifolia</i> 'Tor'	Tor Spirea	2-3' ht x 2-3' sp	Compact, rounded mound	Birch-like dark green	Gold, red/purple	Showy white	Follicle	
Sv	<i>Syringa vulgaris</i> 'Sensation'	Sensation Common Lilac	8-10' ht x 10-12' sp	Multi-stemmed upright	Heart-shaped dark green	No change	Purple/lavender, white	Small capsule	
Perennials/Grasses/Groundcovers									
pvs	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switch Grass	3-5' ht x 2-3' sp	Stiff, upright	Dark green blades	Reddish-burgundy tones	Pinkish plumes	Insignificant	



Quercus bicolor



Acer miyabei 'Morton'



Prunus virginiana 'Canada Red'



Syringa vulgaris 'Sensation'



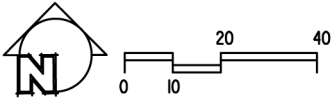
Amelanchier arborea



Spiraea betulifolia 'Tor'



Prunus maackii





7. OUTLET SEATING AND FLAGPOLES - AERIAL VIEW

Plant List -7

Key	Botanical Name	Common Name	Mature Size	Form	Foliage	Fall Color	Flower	Fruit	Notes
Deciduous Shrubs									
Cs	<i>Cornus sericea</i> 'Alleman's Compact'	Alleman's Compact Dogwood	4-5' ht x 4-5' sp	Rounded, stoloniferous	Green	Yellow	White	Bright red berries	Red twig color
Perennials/Grasses/Groundcovers									
pvs	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switch Grass	3-5' ht x 2-3' sp	Stiff, upright	Dark green blades	Reddish-burgundy tones	Pinkish plumes	Insignificant	
sa	<i>Sedum</i> 'Autumn Fire'	Autumn Fire Sedum	1.5-2' ht x 1.5-2' sp	Tightly compact, mounding	Blue-green waxy succulent	No change	Muave-pink to rusty red	Insignificant	
sh	<i>Sporobolus heterolepis</i> 'Tara'	Tara Prairie Dropseed	1.5-2' ht x 1.5' sp	Compact clump	Fine-textured emerald green	Golden-tan	Graceful large golden tufts	Fragrant airy seed head	



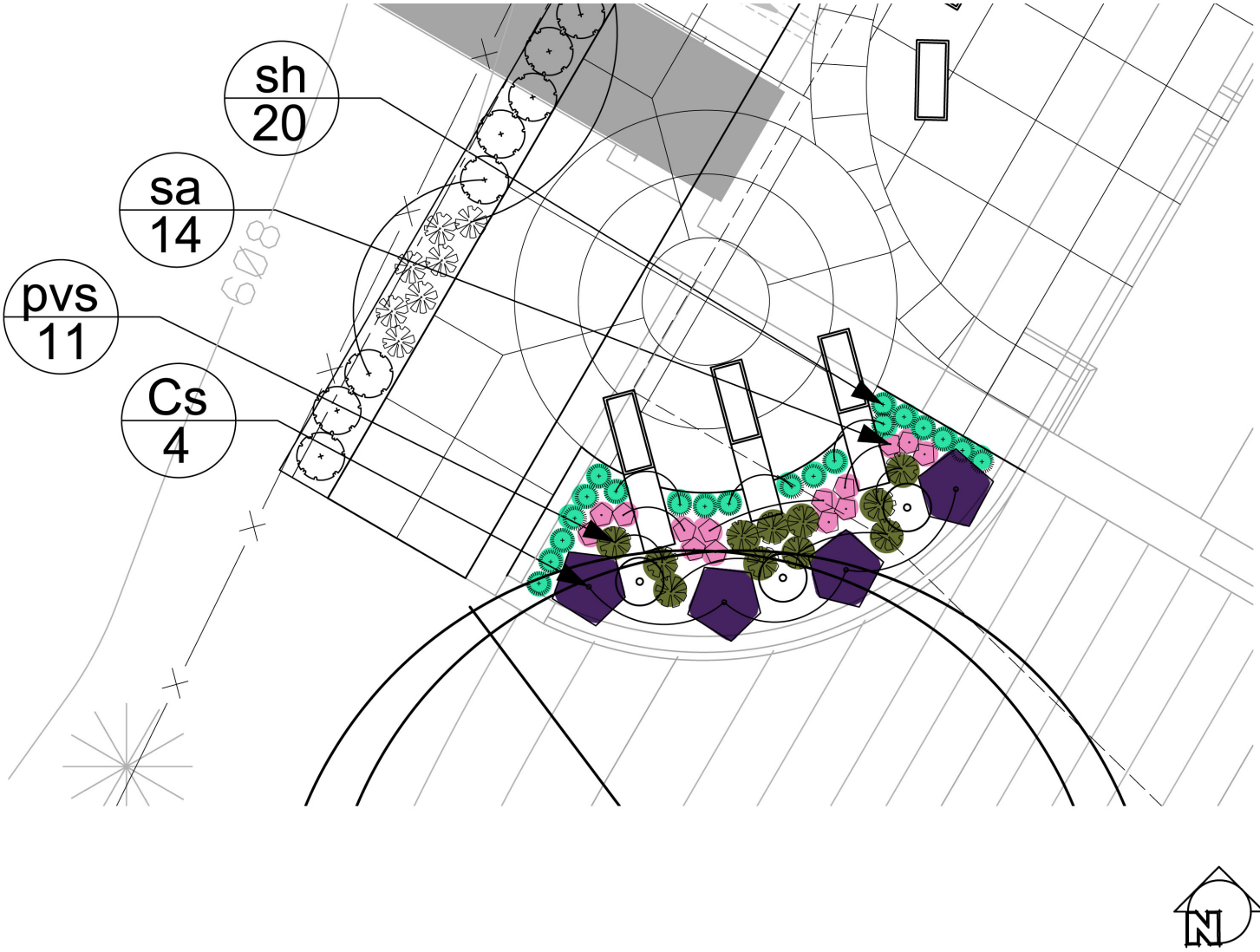
Sedum 'Autumn Fire'



Panicum virgatum 'Shenandoah'



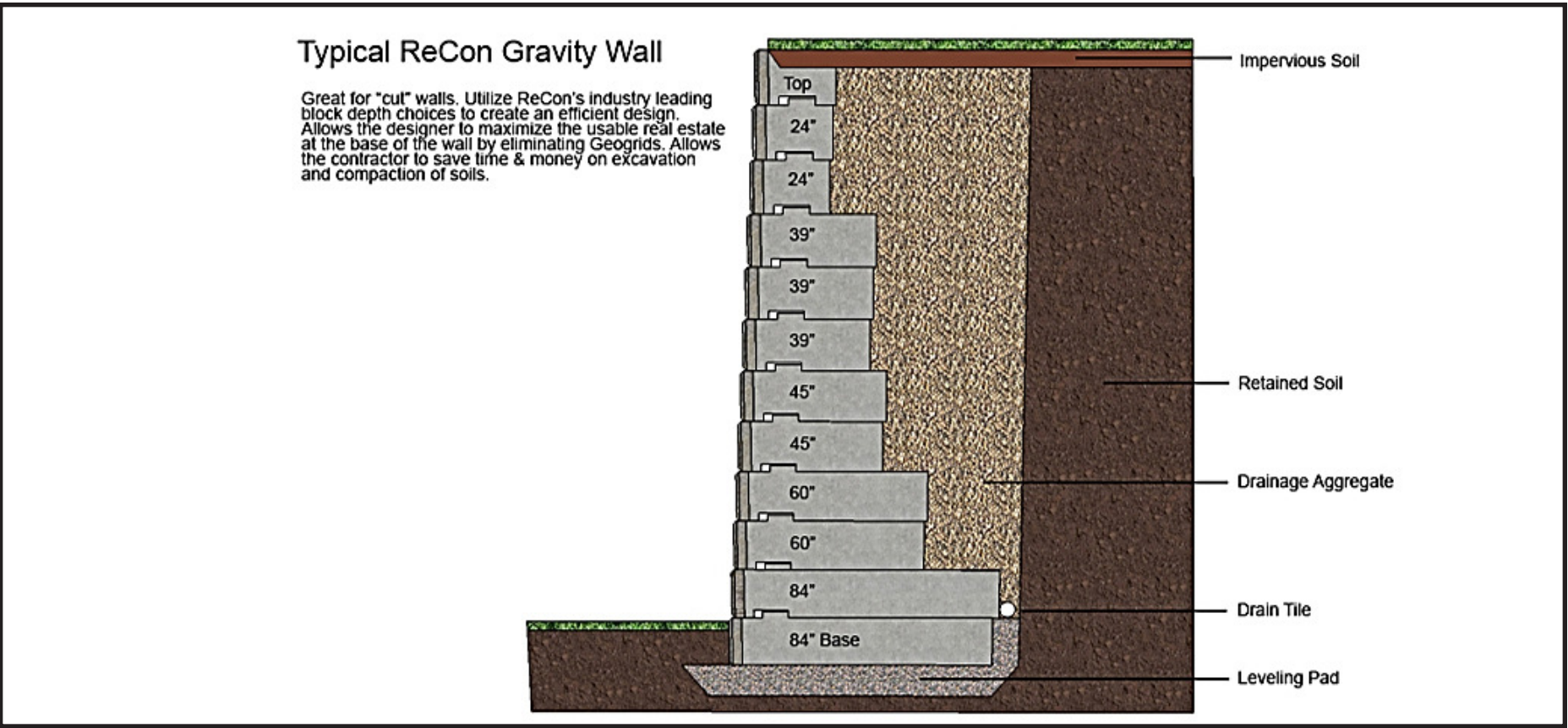
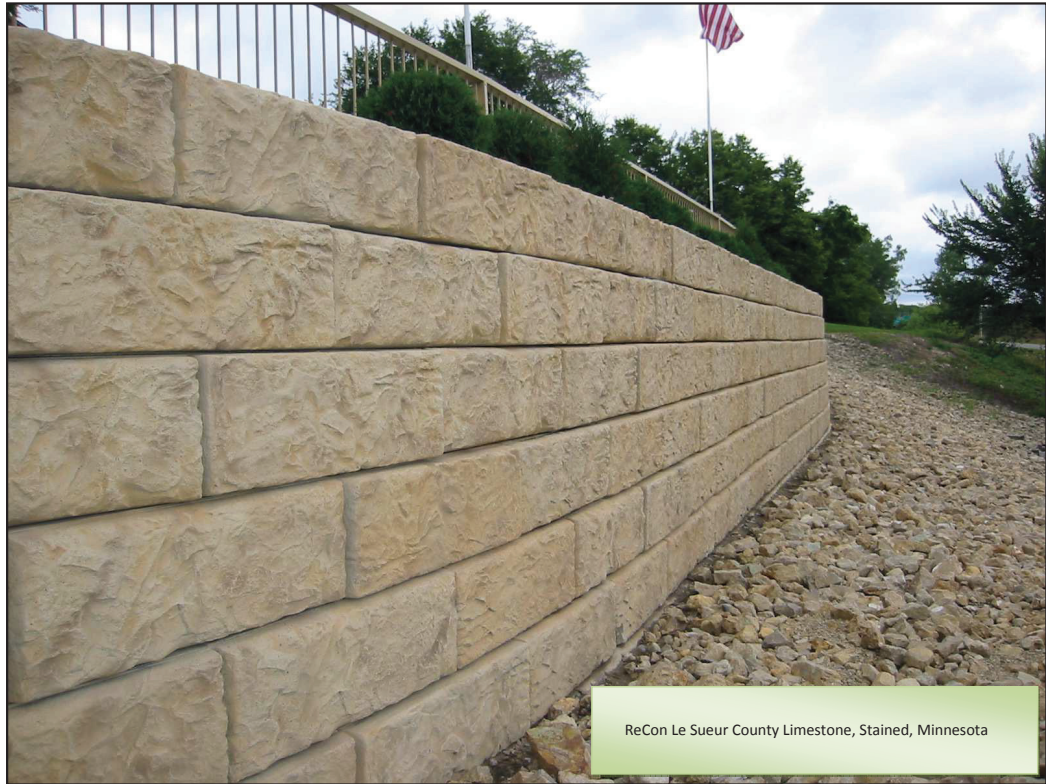
Sporobolus heterolepis 'Tara'



Cornus sericea 'Alleman's Compact'



7. OUTLET SEATING AND FLAGPOLES - PLANTING PLAN



RETAINING WALL OPTIONS - A) GRAVITY BLOCK WALL EXAMPLES

St. Mary's (*St. Mary's Street and West 3rd Street*)



Grove Terrace (*11th Street and Grove Terrace*)



Becker & Becker Stone Co. Examples

