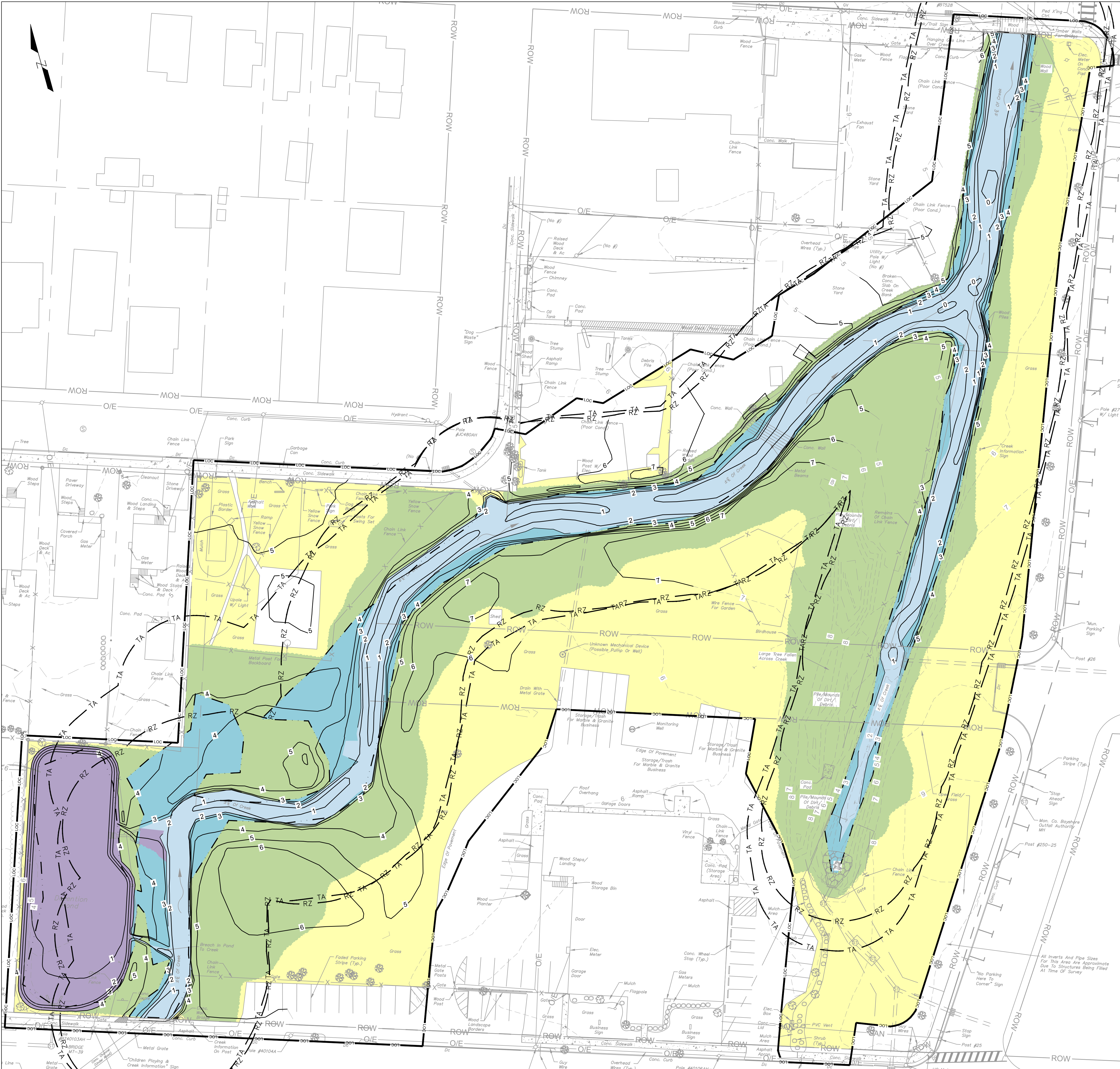




Wetland Forest Area (16,895 sq.ft.) - Tree and Shrub Planting Schedule				
Common Name	Scientific Name	Spacing	Type	Quantity
Red Maple	<i>Acer rubrum</i>	20' O.C. (On Center)	#7, 6-8 ft.	10
Swamp White Oak	<i>Quercus bicolor</i>	20' O.C. (On Center)	#7, 6-8 ft.	10
Pin Oak	<i>Quercus palustris</i>	20' O.C. (On Center)	#7, 6-8 ft.	12
Black Willow	<i>Salix nigra</i>	20' O.C. (On Center)	#7, 6-8 ft.	10
Grounded Tree	<i>Baccharis halimifolia</i>	10' O.C. (On Center)	3 gal., 36" min hgt	13
Silky Dogwood	<i>Cornus amomum</i>	10' O.C. (On Center)	3 gal., 36" min hgt	13
Red Osier Dogwood	<i>Cornus sericea</i>	10' O.C. (On Center)	3 gal., 36" min hgt	13
Winterberry Holly	<i>Ilex verticillata</i>	10' O.C. (On Center)	3 gal., 36" min hgt	13
Spicebush	<i>Lindera benzoin</i>	10' O.C. (On Center)	3 gal., 36" min hgt	13
Southern Arrowwood	<i>Viburnum dentatum</i>	10' O.C. (On Center)	3 gal., 36" min hgt	13

Forest - Upland / Riparian Zone / Wetland Transition Area (63,464 sq.ft.) - Tree and Shrub Planting Schedule				
Common Name	Scientific Name	Spacing	Type	Quantity
Red Maple	<i>Acer rubrum</i>	20' O.C. (On Center)	#7, 6-8 ft.	19
Shad Bush	<i>Amelanchier canadensis</i>	20' O.C. (On Center)	#7, 6-8 ft.	19
Grey Birch	<i>Betula populifolia</i>	20' O.C. (On Center)	#7, 6-8 ft.	19
Pin Oak	<i>Quercus palustris</i>	20' O.C. (On Center)	#7, 6-8 ft.	19
Black Gum	<i>Nyssa sylvatica</i>	20' O.C. (On Center)	#7, 6-8 ft.	19
Black Chokeberry	<i>Aronia melanocarpa</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36
Grey Dogwood	<i>Cornus racemosa</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36
Eastern Red Cedar	<i>Juniperus virginiana</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36
Bayberry	<i>Myrica pensylvanica</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36
Meadowweet	<i>Spiraea latifolia</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36
Southern Arrowwood	<i>Viburnum dentatum</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36
Nannyberry	<i>Viburnum lentago</i>	10' O.C. (On Center)	3 gal., 36" min hgt	36

Wetland Seed Mix		
Common Name	Scientific Name	% of Seed per Pound
Virginia Wild Rye	<i>Elymus virginicus</i>	20
Fox Sedge	<i>Carex vulpinoidea</i>	12
Sensitive Fern	<i>Onoclea sensibilis</i>	12
Giant Bar Reed	<i>Sparganium eurycarpum</i>	7
Nodding Bar Marigold	<i>Bidens cernua</i>	6
Wool Grass	<i>Scirpus cyperinus</i>	6
Blue Vervain	<i>Verbena hastata</i>	6
Rice Cutgrass	<i>Leersia oryzoides</i>	5
Eastern Bar Reed	<i>Sparganium americanum</i>	5
American Mannagrass	<i>Glyceria grandis</i>	4
Soft Rush	<i>Juncus effusus</i>	4
Cosmos / Bristly Sedge	<i>Carex comosa</i>	3.5
Lurid / Shallow Sedge	<i>Carex lurida</i>	3.5
Flat Topped White Aster	<i>Aster umbellatus</i>	3
Hop Sedge	<i>Carex lupulina</i>	2
Wild Brome Grass	<i>Bromus latiglumis</i>	1

Seeding Rate: Plant 15 lbs/acre plus
Add 10 lbs. per acre Annual Rye Grass (*Lolium multiflorum*) as a nurse crop.

Riparian Buffer / Wetland Transition Area Seed Mix		
Common Name	Scientific Name	% of Seed per Pound
Virginia Wildrye	<i>Elymus virginicus</i>	15
Bottlebrush Grass	<i>Elymus hystrix</i>	10
Big Bluestem	<i>Andropogon gerardii</i>	5
Little Bluestem	<i>Andropogon scoparius</i>	5
Annual Ryegrass	<i>Lolium multiflorum</i>	5
Silky Dogwood	<i>Cornus amomum</i>	4
Black Eyed Susan	<i>Rudbeckia hirta</i>	4
Indian Grass	<i>Sorghastrum nutans</i>	4
Blue Vervain	<i>Verbena hastata</i>	4
Ox Eye Sunflower	<i>Helianthus helianthoides</i>	3.5
Partridge Pea	<i>Chamaecrista fasciculata</i>	3
Fowl Mannagrass	<i>Glyceria striata</i>	3
Witch Hazel	<i>Hamamelis virginiana</i>	3
Staghorn Sumac	<i>Rhus typhina</i>	3
Giant Ironweed	<i>Vernonia gigantea</i>	3
Northern Arrowwood	<i>Viburnum dentatum</i>	3
Common Sneezeweed	<i>Helenium autumnale</i>	2.5
Common Milkweed	<i>Asclepias syriaca</i>	2
Fox Sedge	<i>Carex vulpinoidea</i>	2
Showy Tick Trefoil	<i>Desmodium canadense</i>	2
Joe Pye Weed	<i>Eupatorium fistulosum</i>	2
Soft Rush	<i>Juncus effusus</i>	2
Tall White Beard Grass	<i>Pennisetum digitalis</i>	2
Elderberry	<i>Sambucus canadensis</i>	2
Boneset	<i>Eupatorium perfoliatum</i>	1.5
Swamp Milkweed	<i>Asclepias incarnata</i>	1
Zizyg Aster	<i>Aster prenanthoides</i>	1
Blue False Indigo	<i>Baptisia australis</i>	1
Wild Bergamot	<i>Monarda fistulosa</i>	1
Grass-Leaved Goldenrod	<i>Euthamia graminifolia</i>	0.5

Seeding Rate: Plant 15 lbs/acre plus
Add 10 lbs. per acre Annual Rye Grass (*Lolium multiflorum*) as a nurse crop.

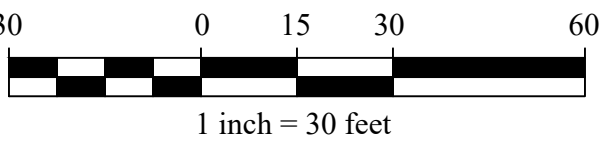
Bank Stabilization Planting Schedule				
Common Name	Scientific Name	Spacing	Type	Quantity
Smooth Cordgrass	<i>Spartina alterniflora</i>	1' O.C. (On Center)	plug	5,600
Black Willow	<i>Salix nigra</i>	2' O.C. (On Center)	live stake	1,400

Lawn
1. Lawn areas are to be seeded as per the General Notes GN-03 plan.

RESTORATION AREA TOTALS		
TYPE	SQFT	ACRES
Wetland - Forest	16,895	0.388
Wetland - Detention Basin	10,868	0.250
Open Water (Many Mind Creek)	20,527	0.471
Forest	63,464	1.457
Lawn	72,791	1.671

LEGEND:

- LOC LOC LIMIT OF CONSTRUCTION
- WETLAND LINE
- TA TA WETLAND TRANSITION AREA (50 FT.)
- RZ RZ RIPARIAN ZONE (50 FT.)
- WETLAND - FOREST
- WETLAND - DETENTION BASIN
- OPEN WATER
- FOREST
- LAWN



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(908) 788-9676

ISSUED FOR CONSTRUCTION

Revision

By

APVD

XXX

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9/25/2020

No.

Date

DSGN

RP

DR

SR

CHK

XXX

APVD

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APPROVED:

Remediation and Restoration:

AOC-8 West Highland Avenue to Center Avenue

Atlantic Highlands Former MGP Site

RESTORATION
PLANTING PLAN

Date 8/30/2019

ASGECI Project #4317

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