

Teaneck Creek Park Habitat Restoration

June 2018





**Public Experience:
Degraw Avenue
noise, degraded
paths, debris piles**

Water quality



**Stormwater
erosion**

**Dominant invasive
plants**



Remove historical fill and debris

to create more natural soil conditions that better support native plants

Slow water flow and redirect surface flows

to promote infiltration that will raise groundwater tables
and to better resemble historic flow paths and create longer flow paths

Enhance Teaneck Creek connections

with improved riparian/floodplain habitat

Create more open water and wet areas

to enhance how wetland, stream and riparian habitats function

Enhance public experience

improve trail design, create diversity of habitats, block noise from Degraw Avenue

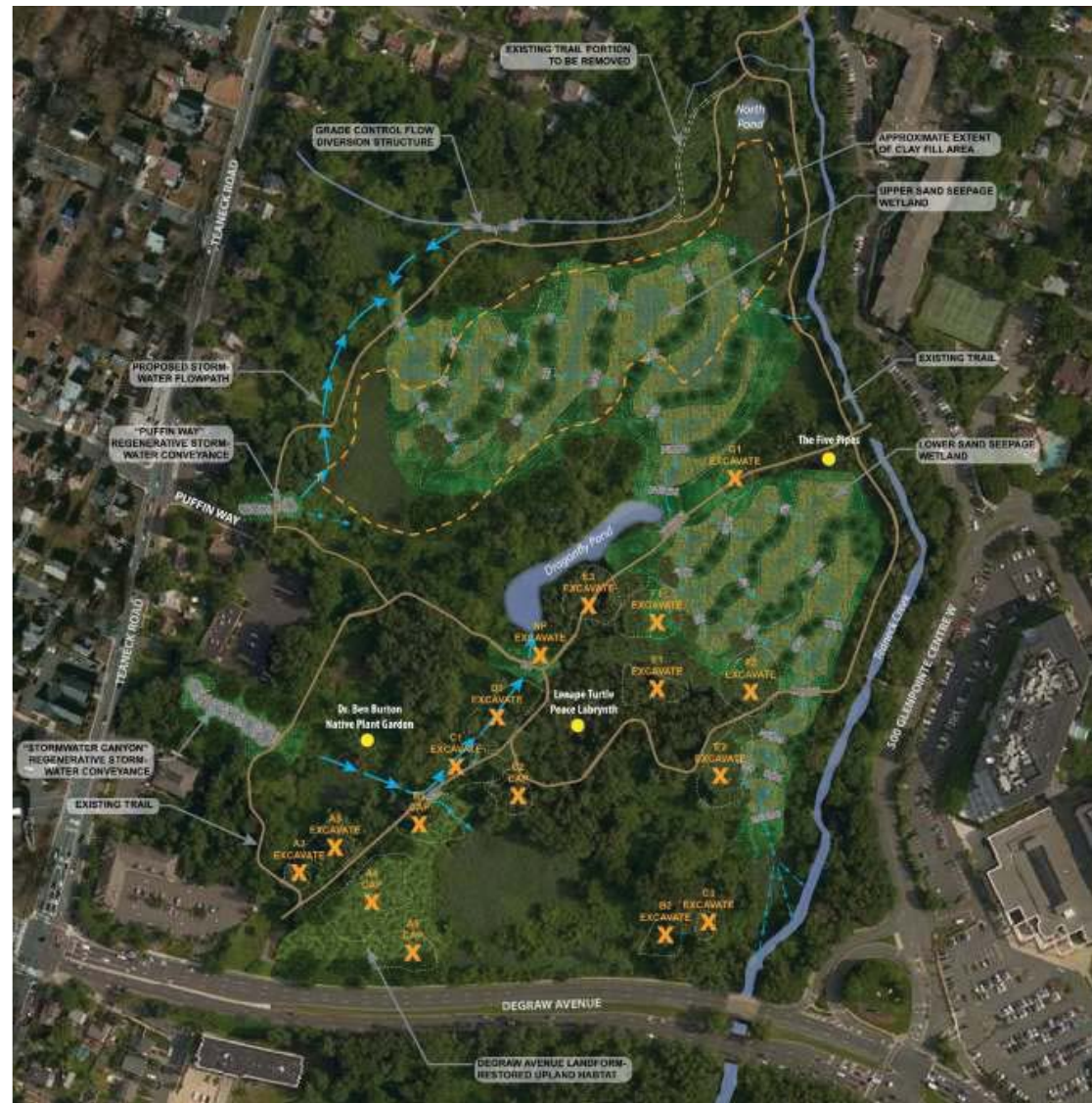
Restoration Design Features:

Debris pile removals

Sand seepage berms

Path improvements

Degraw Avenue berm



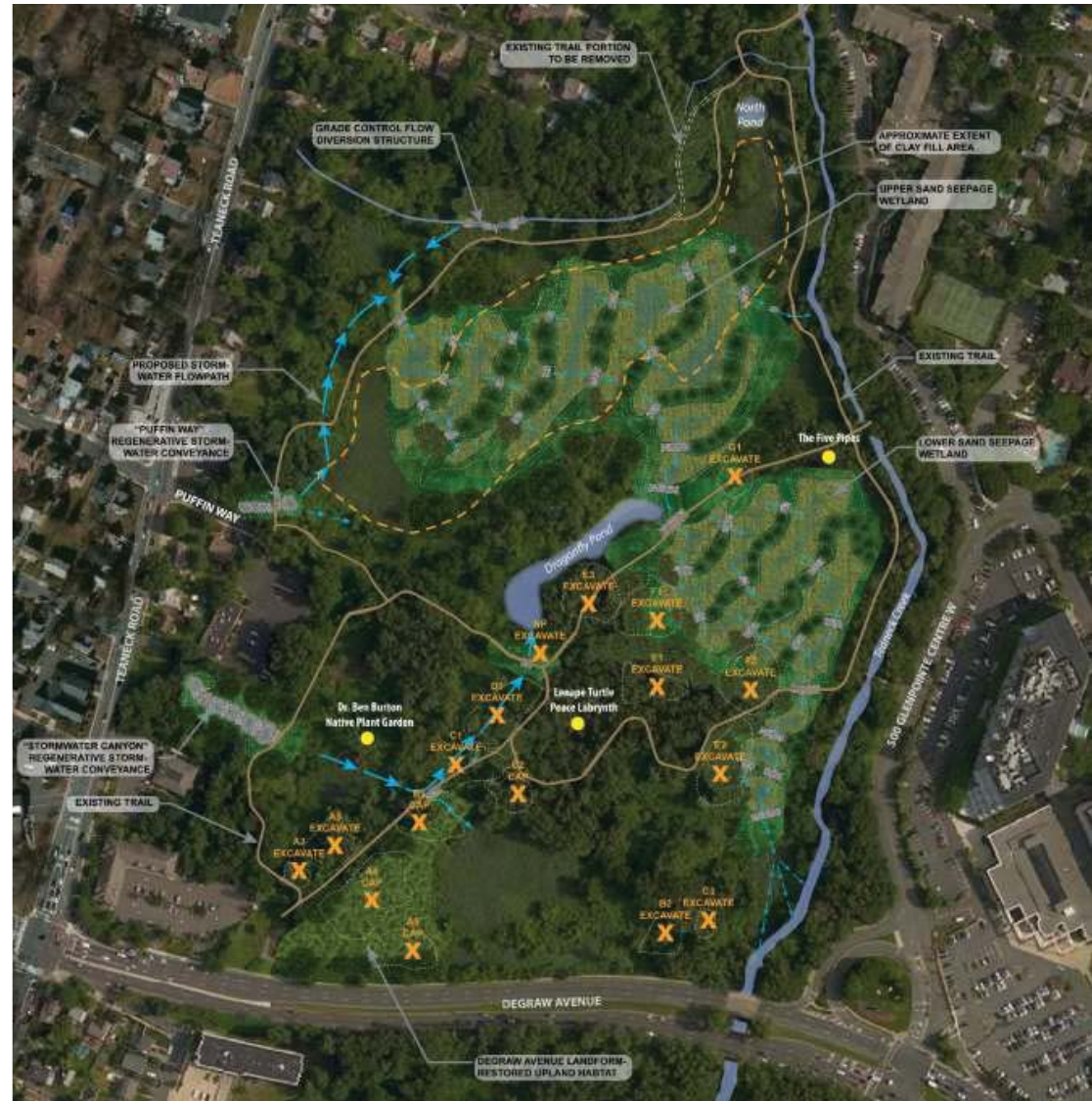
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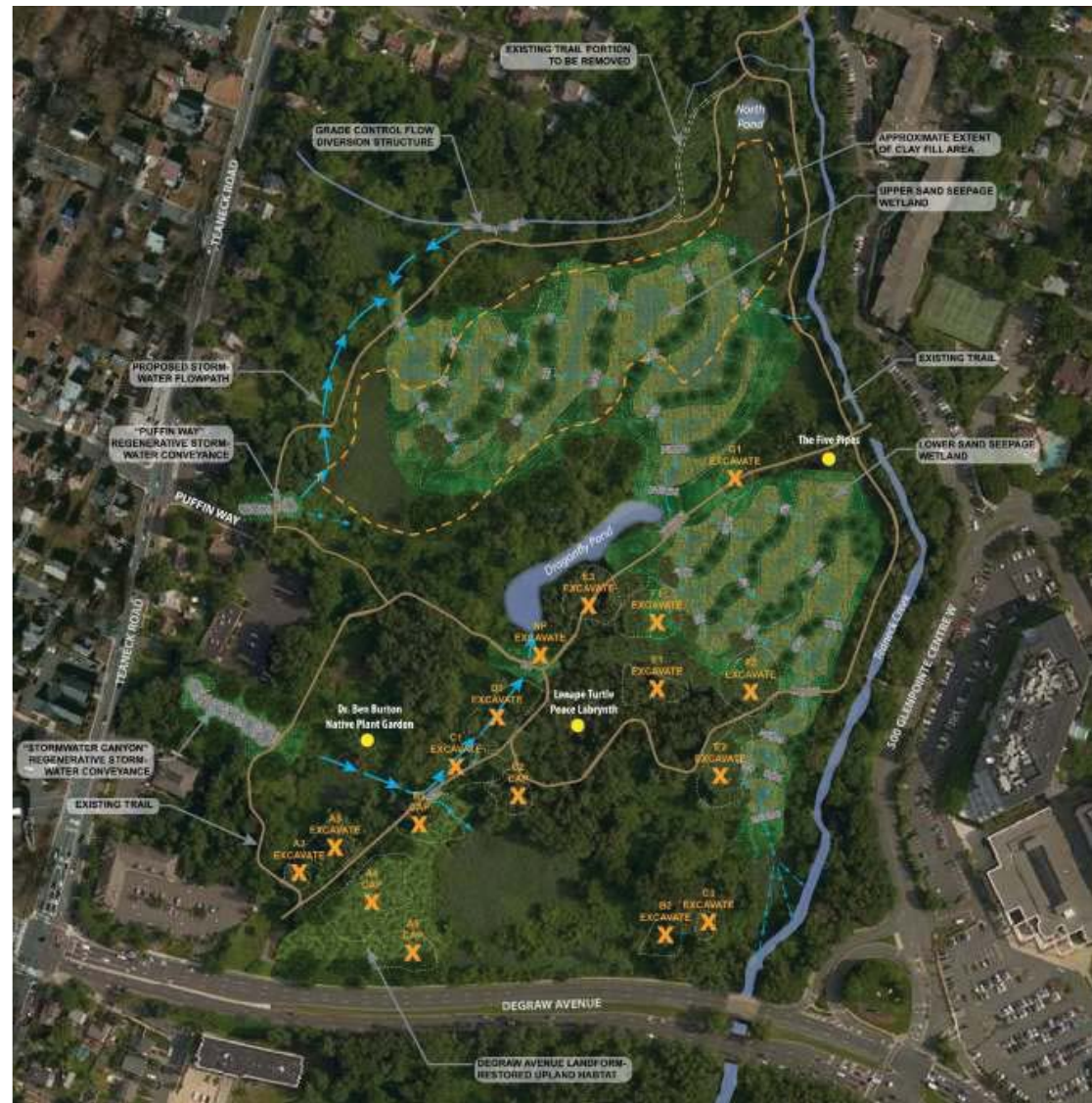
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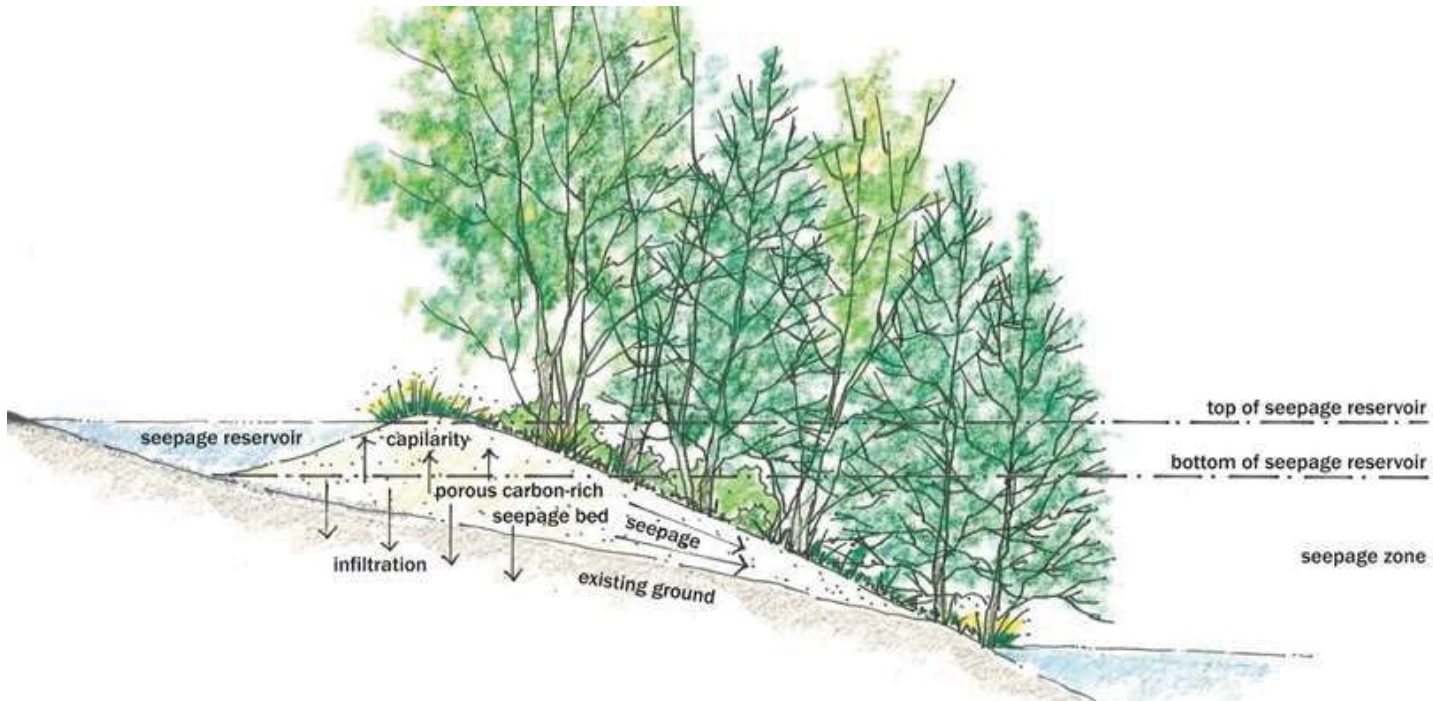
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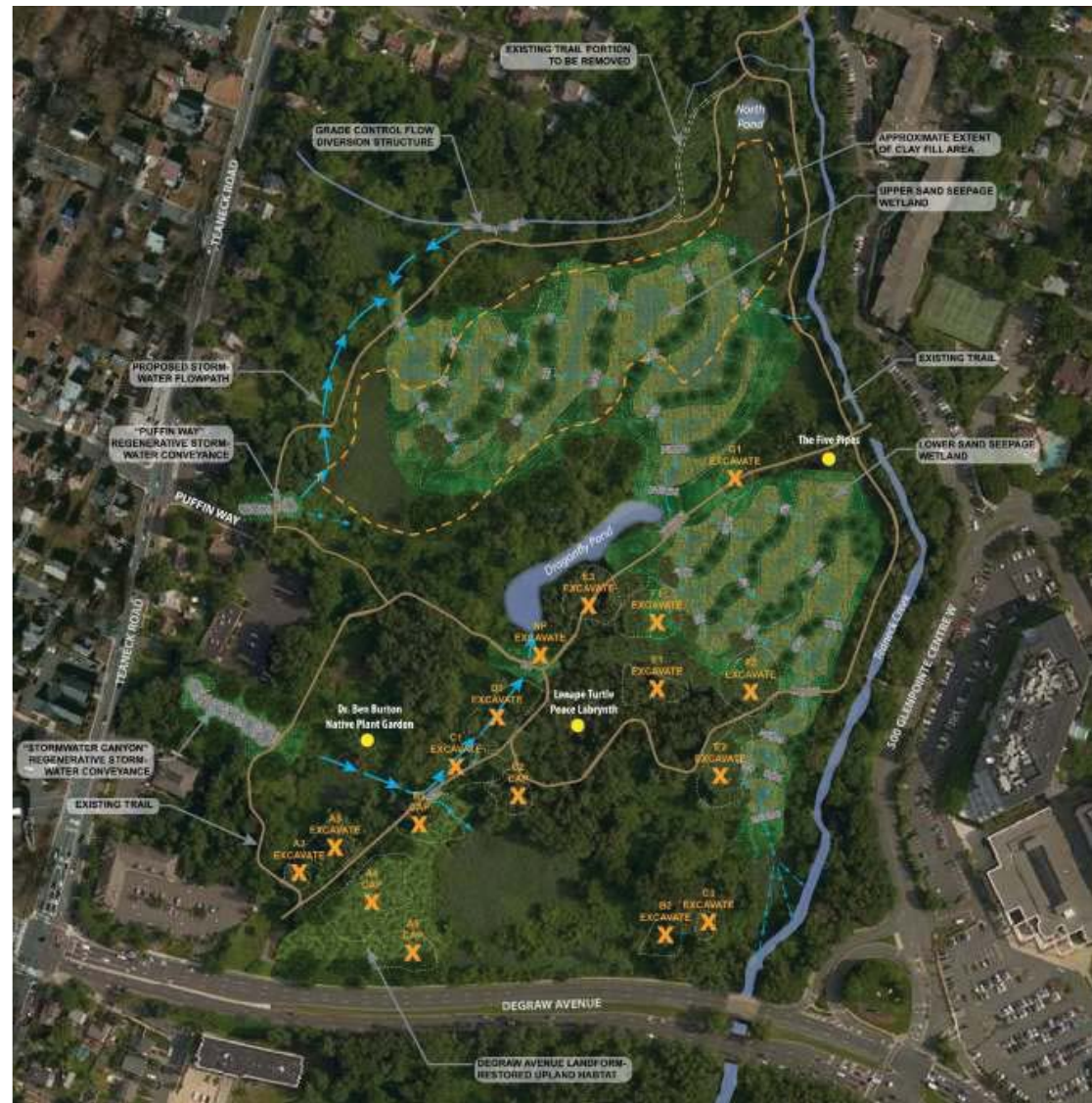
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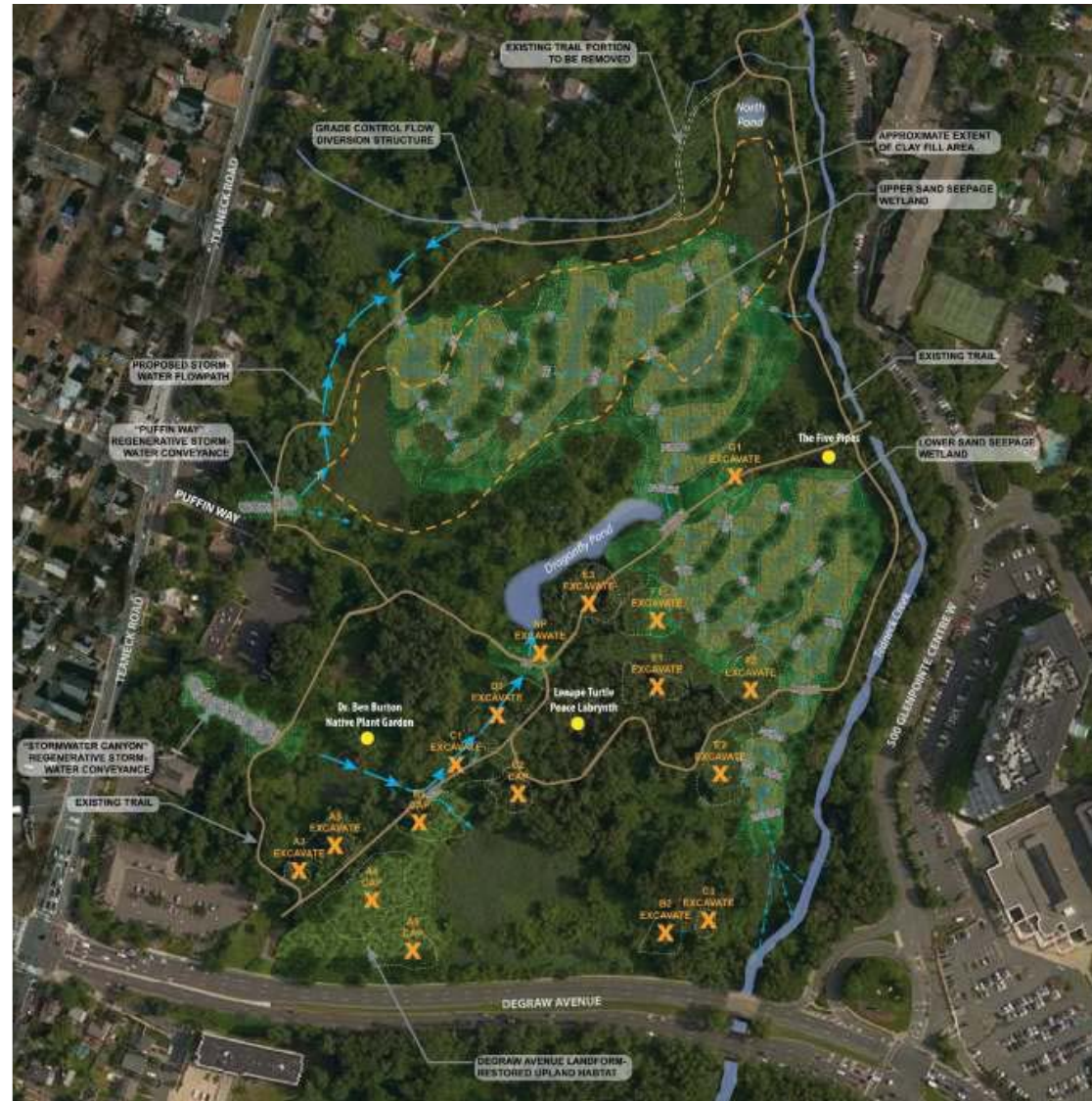
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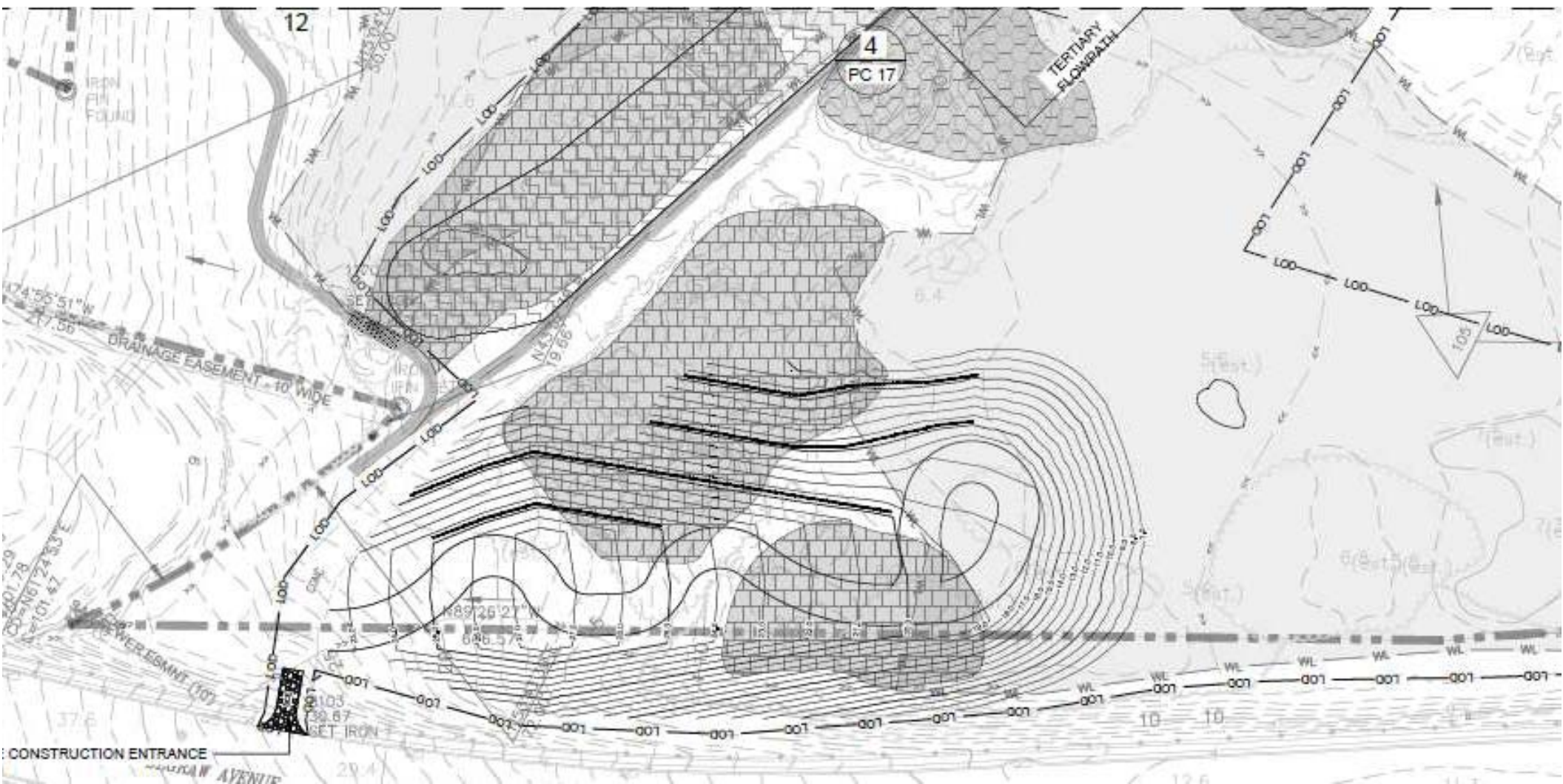


Before



Potential
After





CONSTRUCTION SEQUENCE:

1. Salvage clay
2. Remove debris piles
3. Hillside Avenue RSC
4. Construct Degraw Avenue berm
5. Microtopographic grading – South
6. Trail improvements – South
7. Sand seepage grading – East
8. Trail realignment – North
9. Sand seepage grading – West
10. North tributary RSC
11. Trail improvements
12. Oakdene Avenue RSC





PLANT COMPOSITION SCHEDULE

ZONE 1 - Emergent Marsh

5.45

Overall Minimum Spacing (ft)	Quantity/ Acre	Frequency (%)	Species Quantity	Vegetation Strata/ Species Name	Common Name	Unit	Spacing Type	Size	Individual Minimum Spacing (ft.)
				NATIVE SEED					
	30								
		16	26.18	Andropogon gerardii	Big Bluestem	LB of P.L.S.	SEED	N/A	N/A
		4	6.54	Bidens coronata	Crowned Beggars Tick	LB of P.L.S.	SEED	N/A	N/A
		12	19.63	Carex stricta	Tussock sedge	LB of P.L.S.	SEED	N/A	N/A
		15	24.54	Dicanthelium clandestinum	Deertongue	LB of P.L.S.	SEED	N/A	N/A
		5	8.18	Elymus virginicus	Virginia wild-rye	LB of P.L.S.	SEED	N/A	N/A
		10	16.36	Iris versicolor	Blue Flag	LB of P.L.S.	SEED	N/A	N/A
		15	24.54	Juncus effusus	Soft Rush	LB of P.L.S.	SEED	N/A	N/A
		3	4.91	Liatris spicata	Dense Blazing Star	LB of P.L.S.	SEED	N/A	N/A
		2	3.27	Lobelia cardinalis	Cardinal Flower	LB of P.L.S.	SEED	N/A	N/A
		2	3.27	Lobelia siphilitica	Great Blue Lobelia	LB of P.L.S.	SEED	N/A	N/A
		4	6.54	Solidago rugosa	Wrinkle-leaf Goldenrod	LB of P.L.S.	SEED	N/A	N/A
		12	19.63	Verbena hasta	Swamp Verbena	LB of P.L.S.	SEED	N/A	N/A
		100	163.59	total					
				HERBACEOUS					
3	4840								
		12	3168	Acorus americanus	Sweet Flag	PLUG	INDIVIDUAL	2"	2
		15	3960	Andropogon gerardii	Big Bluestem	PLUG	INDIVIDUAL	2"	3
		12	3168	Carex stricta	Tussock sedge	PLUG	INDIVIDUAL	2"	6
		12	3168	Elymus virginicus	Virginia wild-rye	PLUG	INDIVIDUAL	2"	5
		10	2640	Hibiscus moscheutos	Swamp Rose Mallow	PLUG	INDIVIDUAL	2"	2
		15	3960	Juncus effusus	Soft Rush	PLUG	INDIVIDUAL	2"	2
		12	3168	Schoenoplectus acutus	Hardstem Bulrush	PLUG	INDIVIDUAL	2"	2
		12	3168	Schoenoplectus pungens	Common Threesquare	CON	INDIVIDUAL	2"	2
		100	26400	total					

PLANT COMPOSITION SCHEDULE									
ZONE 2 -Mixed Mesic							Size (acres):	7.58	
Overall Minimum Spacing (ft)	Quantity/ Acre	Frequency (%)	Species Quantity	Vegetation Strata/ Species Name	Common Name	Unit	Spacing Type	Size	Individual Minimum Spacing (ft.)
				NATIVE SEED					
	30								
		20	45.45	Andropogon gerardii	Big Bluestem	LB of P.L.S.	SEED	N/A	N/A
		5	11.36	Bidens coronata	Crowned Beggars Tick	LB of P.L.S.	SEED	N/A	N/A
		5	11.36	Coreopsis lanceolata	Lanceleaf Tickseed	LB of P.L.S.	SEED	N/A	N/A
		20	45.45	Dicanthelium clandestinum	Deertongue	LB of P.L.S.	SEED	N/A	N/A
		15	34.09	Elymus virginicus	Virginia wild-rye	LB of P.L.S.	SEED	N/A	N/A
		3	6.82	Eupatorium purpureum	Purple Joe-Pye	LB of P.L.S.	SEED	N/A	N/A
		2	4.55	Heliopsis helianthoides	Sweet Smooth Oxeye	LB of P.L.S.	SEED	N/A	N/A
		10	22.73	Juncus tenuis	Path rush	LB of P.L.S.	SEED	N/A	N/A
		3	6.82	Monarda punctata	Dotted Beebalm	LB of P.L.S.	SEED	N/A	N/A
		15	34.09	Panicum virgatum	Switch Grass	LB of P.L.S.	SEED	N/A	N/A
		2	4.55	Solidago rugosa	Wrinkle-leaf Goldenrod	LB of P.L.S.	SEED	N/A	N/A
		100	227.27	total					
				HERBACEOUS					
3	4840								
		10	3666	Andropogon gerardii	Big Bluestem	PLUG	INDIVIDUAL	2"	5
		10	3666	Andropogon glomeratus	Bushy Bluestem	PLUG	INDIVIDUAL	2"	5
		3	1100	Chasmanthium latifolium	Northern sea oats	PLUG	INDIVIDUAL	2"	4
		12	4400	Baptisia australis	Wild blue indigo	PLUG	INDIVIDUAL	2"	5
		10	3666	Elymus virginicus	Virginia wild rye	PLUG	INDIVIDUAL	2"	5
		10	3666	Eupatorium perfoliatum	Common boneset	PLUG	INDIVIDUAL	2"	5
		10	3666	Eupatorium purpureum	Purple Joe-Pye	PLUG	INDIVIDUAL	2"	5
		5	1833	Panicum virgatum	Switchgrass	PLUG	INDIVIDUAL	2"	2
		10	3666	Rudbeckia hirta	Black-Eyed Susan	PLUG	INDIVIDUAL	2"	5
		8	2933	Solidago canadensis	Canada goldenrod	PLUG	INDIVIDUAL	2"	5
		12	4400	Symphotrichum novae-angliae	New England Aster	PLUG	INDIVIDUAL	2"	5
		100	36662	total					

PLANT COMPOSITION SCHEDULE

ZONE 2C -Atlantic White Cedar							Size (acres):	1.00	
Overall Minimum Spacing (ft)	Quantity/ Acre	Frequency (%)	Species Quantity	Vegetation Strata/ Species Name	Common Name	Unit	Spacing Type	Size	Individual Minimum Spacing (ft.)
				TREES + SHRUBS					
3	4840								
		100	4818	Chamaecyparis thyoides	Atlantic White Cedar	CON	INDIVIDUAL	#2 Cont.	3
		100	4818 total						

CON=container