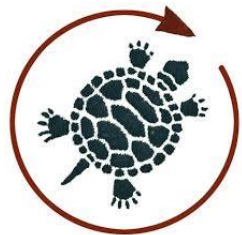
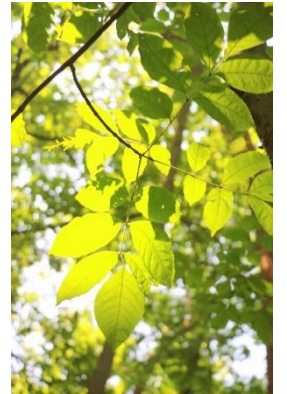


Restoration Review: Teaneck Creek

Project Background
Project Design
Project Updates

February 2, 2021



PROJECT TEAM

PROJECT LEAD



DESIGN



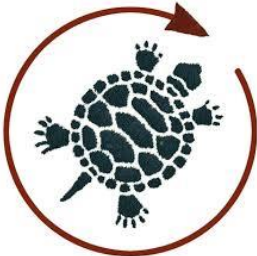
CONSTRUCTION MANAGEMENT



CONTRACTOR



PARTNERS & FUNDING



HISTORY OF CONSERVATION AND RESTORATION

- 2001 Teaneck Creek Conservancy Partnership
- 2006 New Trails & Outdoor Classroom
- 2008 Wetland Restoration Concept
- 2010 Area 1 Site Remediation Plan
- 2018 Habitat Restoration Design
- 2020 Habitat Restoration Implementation Initiated



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



Water quality



**Stormwater
erosion**

**Dominant invasive
plants**



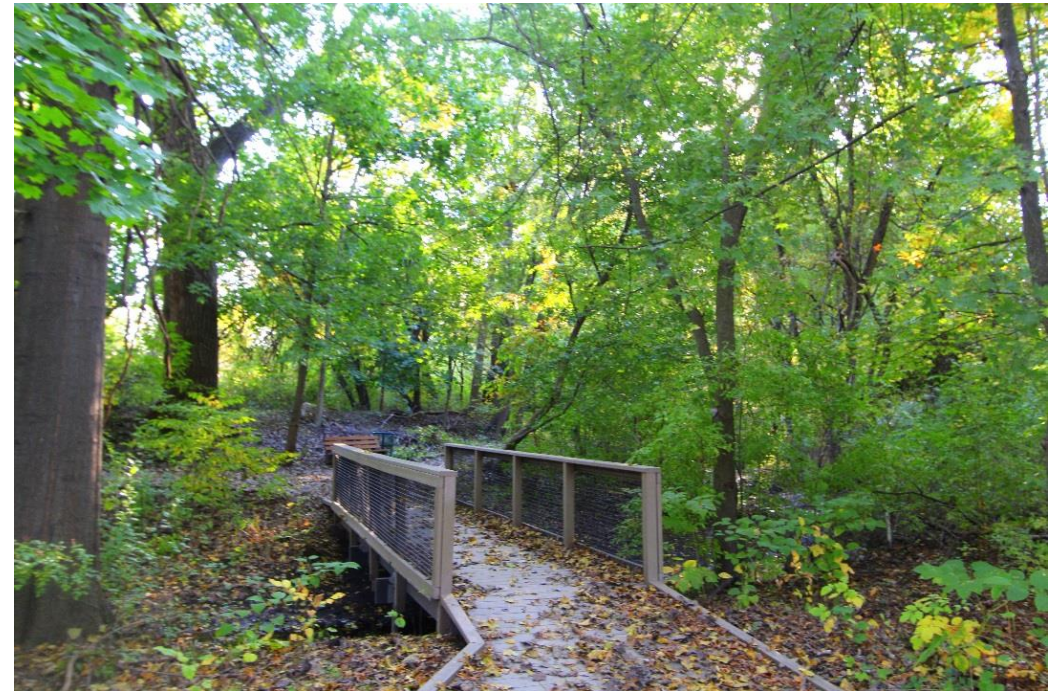
PROJECT GOALS

- Enhance the site's natural resources
- Increase biodiversity
- Mitigate erosive forces of stormwater throughout the site
- Improve public access and visitor experience
- Improve community health and well-being
- Educate the public about the park's habitat and ecology

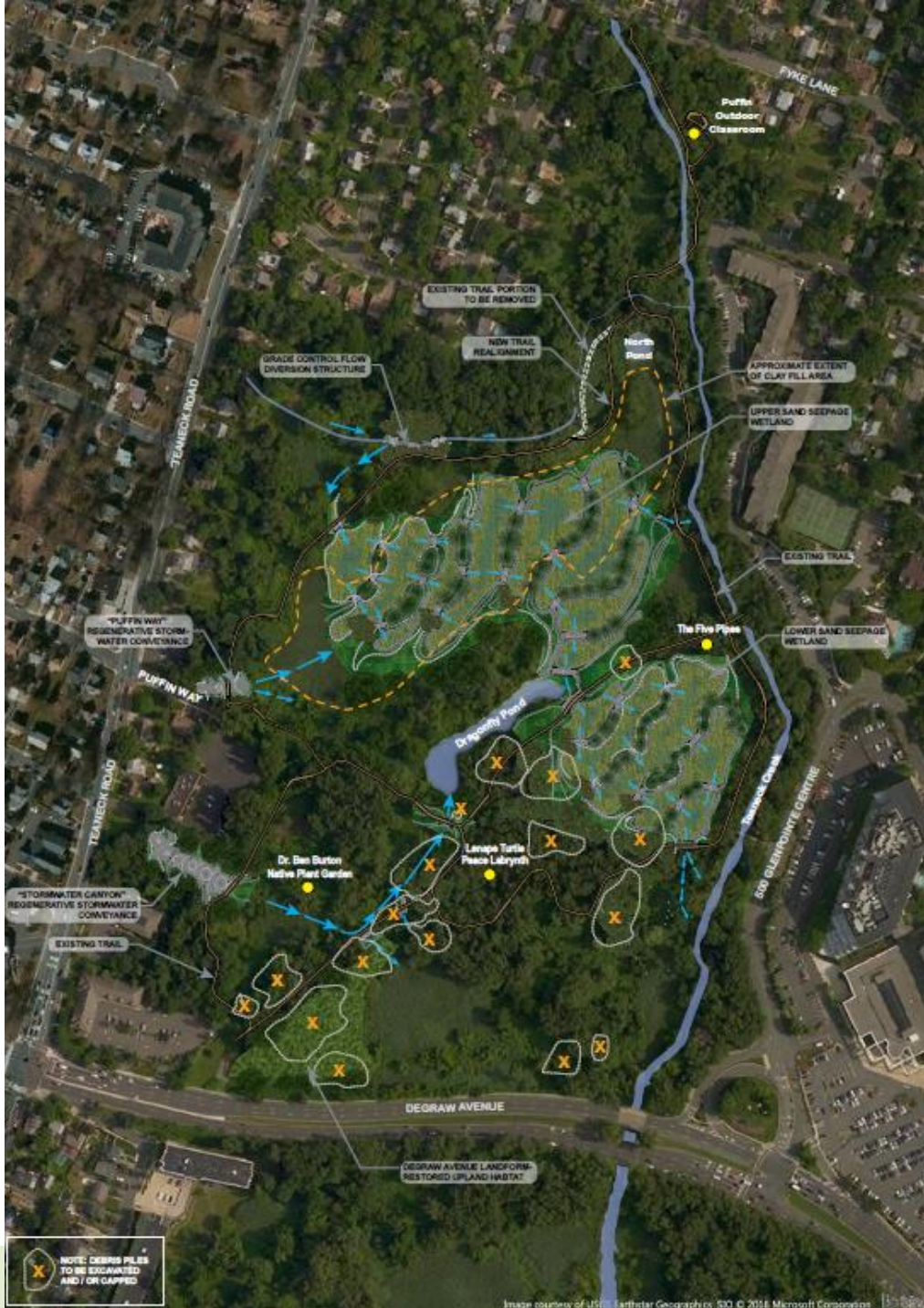


PROJECT METRICS

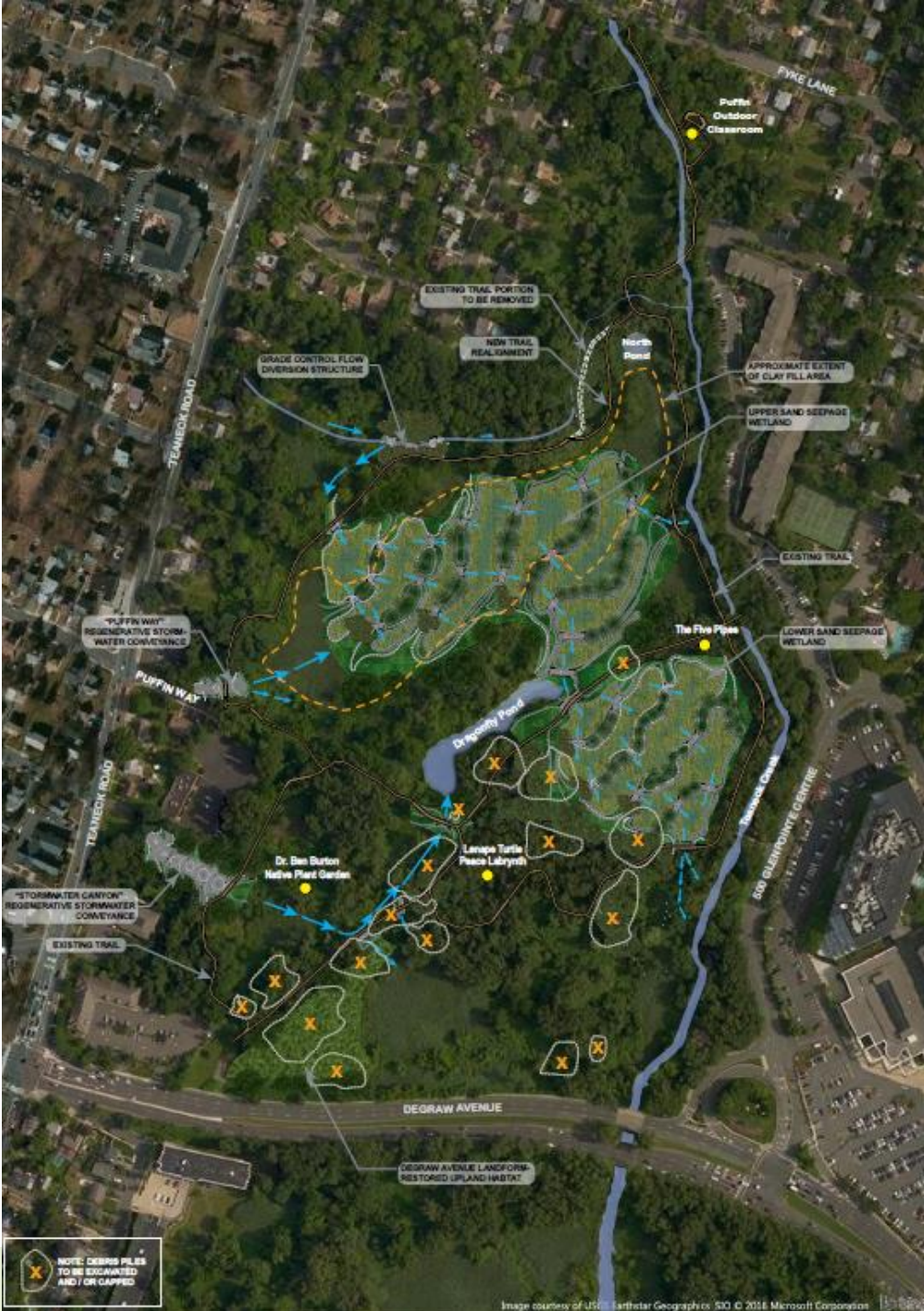
- Over 20 acres of habitat restoration
- 430 linear feet of stormwater channel restoration
- 300 linear feet of trail realignment
- 16 debris piles removed or capped



PROJECT PLANS



PROJECT PLANS



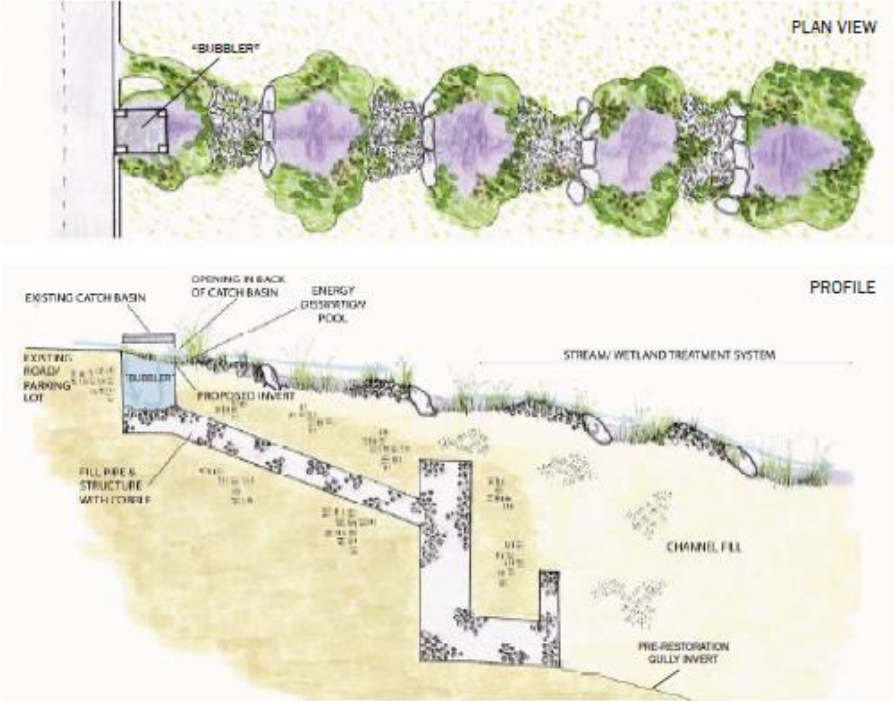
PROJECT DETAILS – REGENERATIVE STORMWATER CONVEYANCE

Carriage Hills Channel Restoration

Restoration provides stable surface conveyance with boulder cascades and pools during large events and conversion to groundwater flow during smaller events, attenuating discharge and treating water. Inset shows initial conditions with incised channel approximately 20 feet deep.

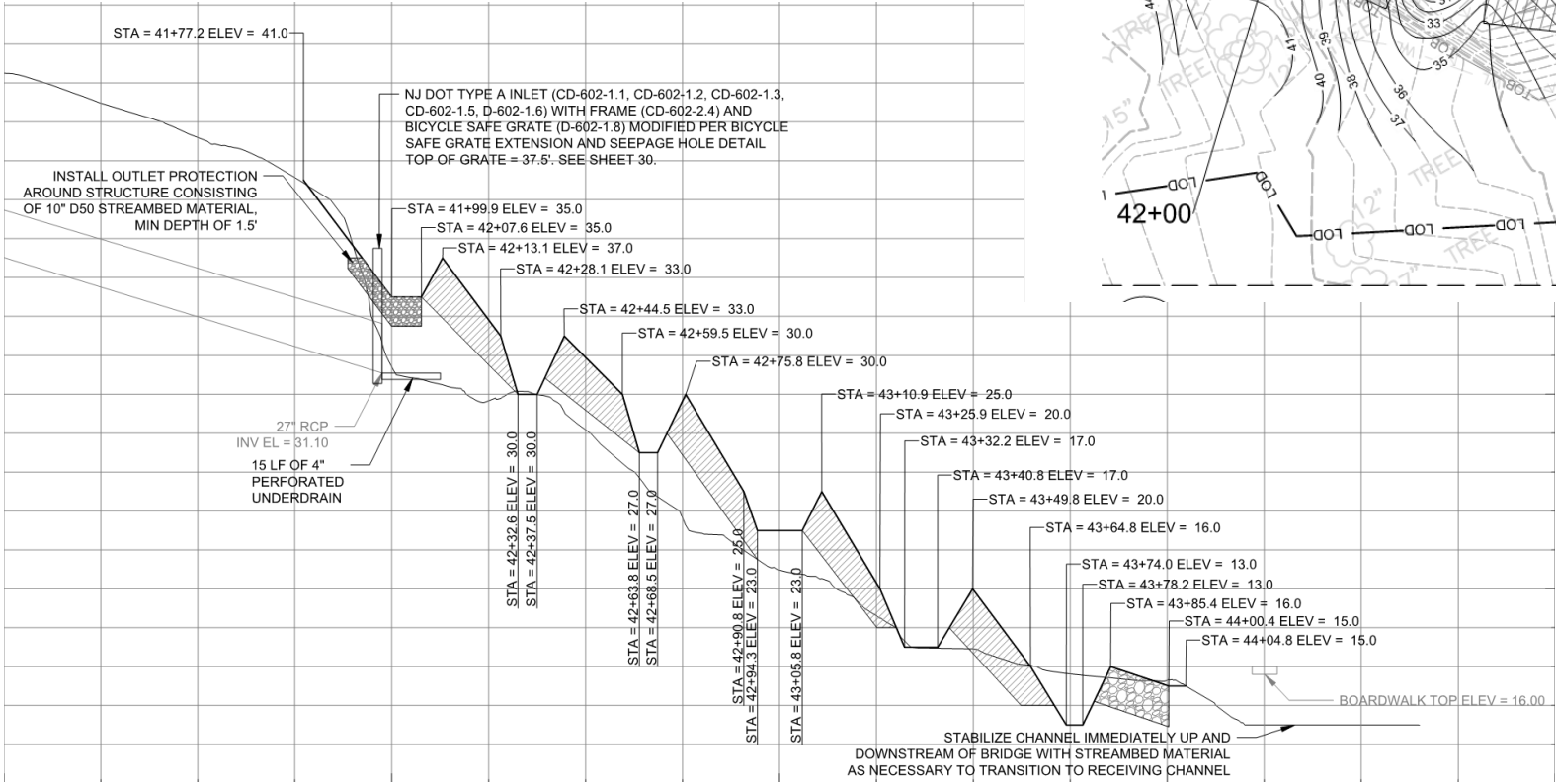
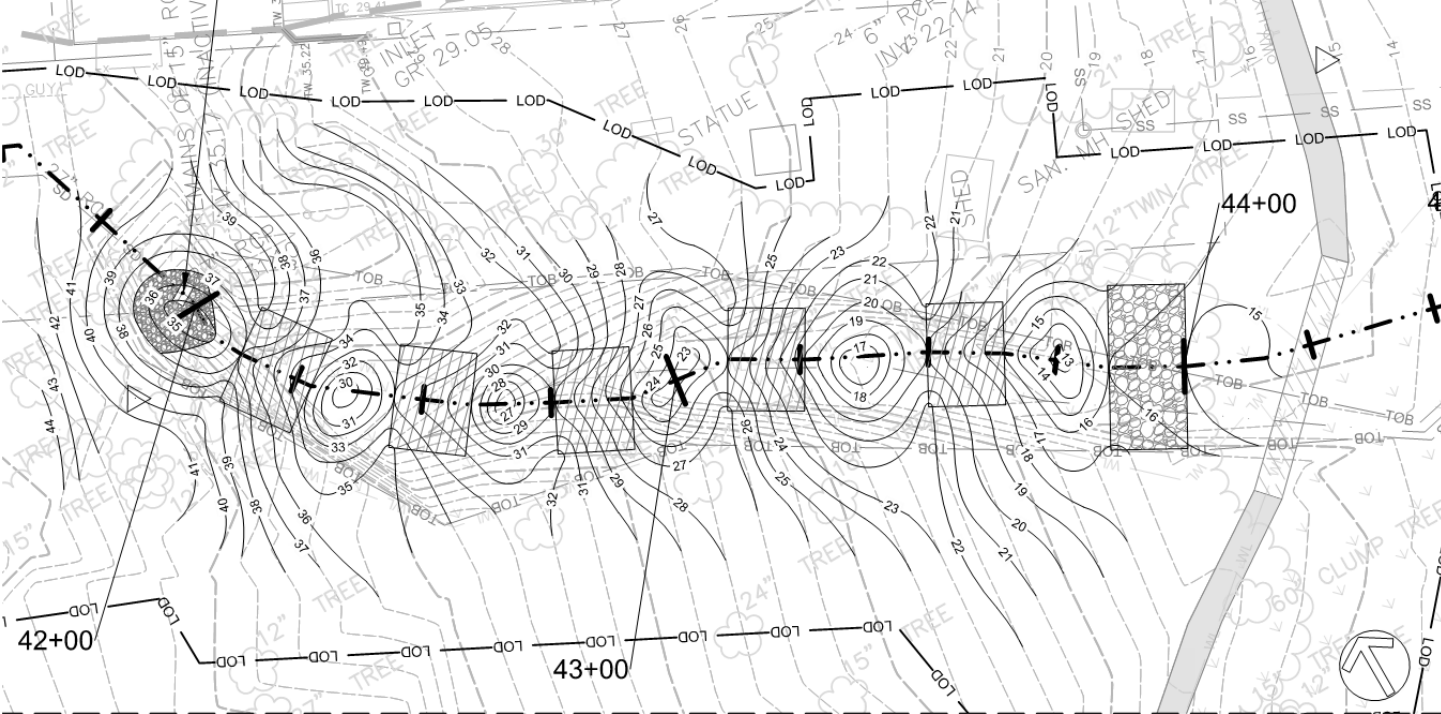


Existing storm drain system converted to a "bubbler" outfall leading to natural stream/wetland treatment system



PROJECT DETAILS – REGENERATIVE STORMWATER CONVEYANCE

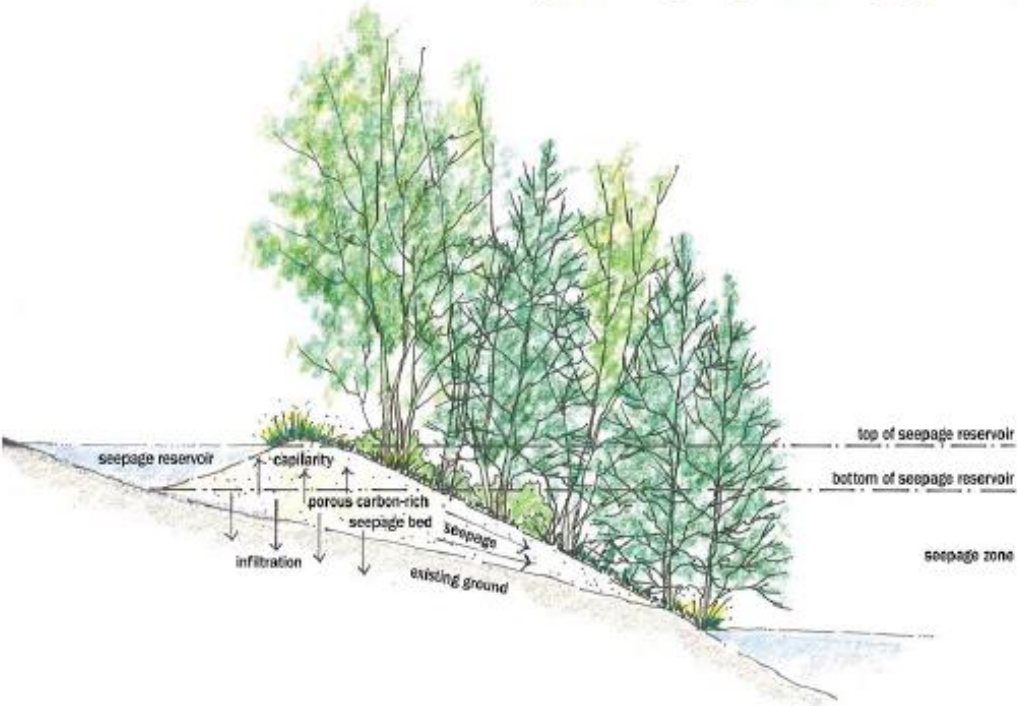
REMOVE EXISTING HEADWALL AND INSTALL NJ DOT TYPE A INLET (CD-602-1.1, CD-602-1.2, CD-602-1.3, CD-602-1.5, D-602-1.6) WITH FRAME (CD-602-2.4) AND BICYCLE SAFE GRATE (D-602-1.8) MODIFIED PER BICYCLE SAFE GRATE EXTENSION AND SEEPAGE HOLE DETAIL EX 27" PIPE INVERT INTO STRUCTURE = 31.06 (PER AS-BUILT) TOP OF GRATE = 37.5'. SEE DETAIL ON SHEET 30.



PROJECT DETAILS – SAND SEEPAGE BERM



Typical Profile of Sand Seepage Berm



SITE CLEARING – FALL 2020



SITE GRADING – FALL AND WINTER 2020



SITE GRADING – FALL AND WINTER 2020



TRAIL REALIGNMENT – WINTER 2020-2021



DEGRAW AVE. BERM – FALL AND WINTER 2020



RSC CONSTRUCTION – WINTER 2020-2021



RSC CONSTRUCTION – WINTER 2020-2021



RSC CONSTRUCTION – WINTER 2020-2021

