

SESSION 4A - THE GATEWAY CONFINED DISPOSAL FACILITY – INNOVATIVE SOLUTIONS TO ONSITE CHALLENGES FOR ATLANTIC COUNTY’S, FIRST REGIONAL DREDGED MATERIAL MANAGEMENT FACILITY



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WESTERN DREDGING ASSOCIATION DREDGING SUMMIT AND EXPO, JULY 2023

The Gateway Confined Disposal Facility
FACTS



DREDGING SUMMIT & EXPO '23

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JULY 17-20, 2023 | LAS VEGAS, NV



The Gateway Confined Disposal Facility FACTS

In the middle of the Desert??

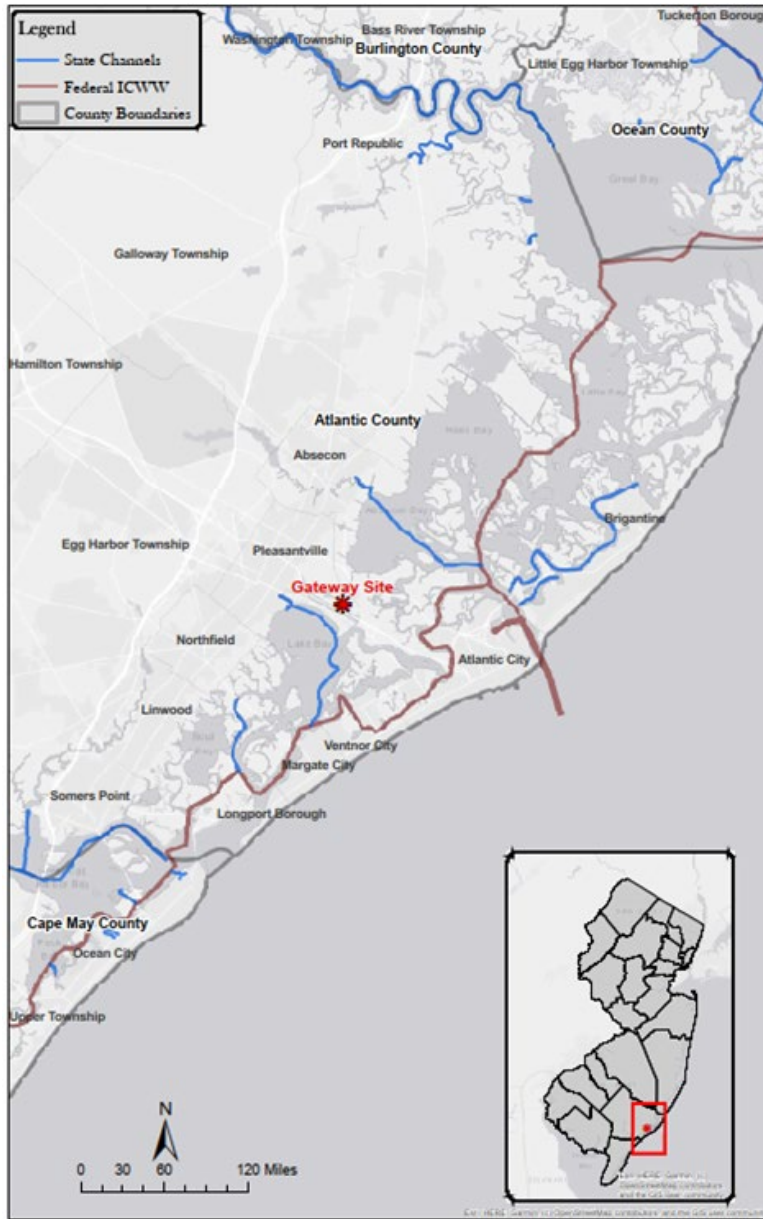


The Gateway Confined Disposal Facility
FACTS

~~DREDGING~~



The Gateway Confined Disposal Facility Project Location



The Gateway Confined Disposal Facility - Milestones

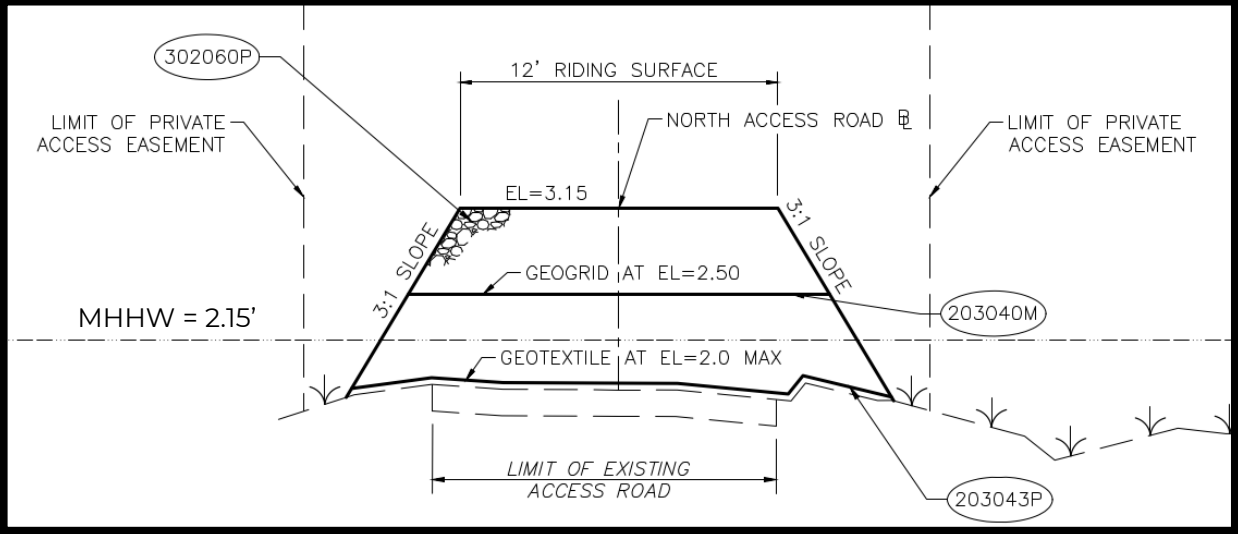
Contract	Completion Date	Duration	Contractor
Property Purchase	12/2015	12 months	Gateway Associates
North Road Improvements	9/2018	2 months	Joseph M. Sanzari, Inc
Bridge Construction	6/2020	18 months	Joseph M. Sanzari, Inc.
Pipe Sleeves	4/2021	1 week	H&L Contracting
Southerly Access Road and Staging Area	4/2021	5.5 months	H&L Contracting
CDF Improvements and Absecon Creek Dredging	10/2021	6 months	Sevenson Environmental Services
Mitigation	10/2021	3 months	SumcoEco Contracting
Electric Service	6/2022	10 months	SumcoEco Contracting



The Gateway Confined Disposal Facility Northerly Access Road - Existing Conditions



The Gateway Confined Disposal Facility Northerly Access Road – Access Improvements



The Gateway Confined Disposal Facility Northerly Access Road – Monitoring Program

Inclinometers – Subsurface Movement
Monitoring

Tiltmeters – Transverse and
Lateral Water Main Pile Cap
Movement Monitoring



Optical Survey Targets –
N, E, Z, Positional
Monitoring





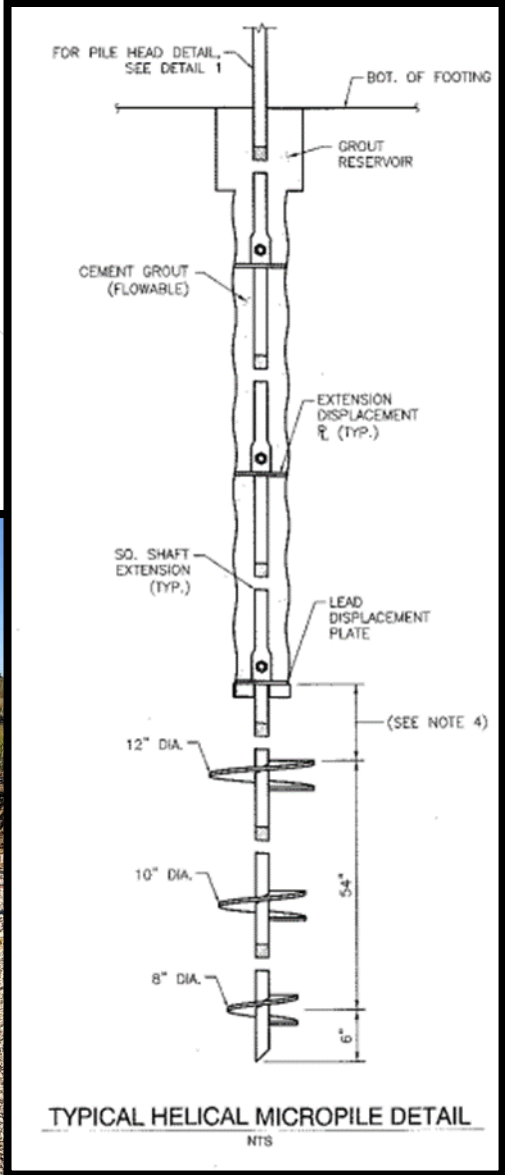
The Gateway
Confined Disposal
Facility
Bridge Crossing -
Existing Conditions



The Gateway
Confined Disposal
Facility
Bridge Crossing –
Approaches and
Structural
Improvements



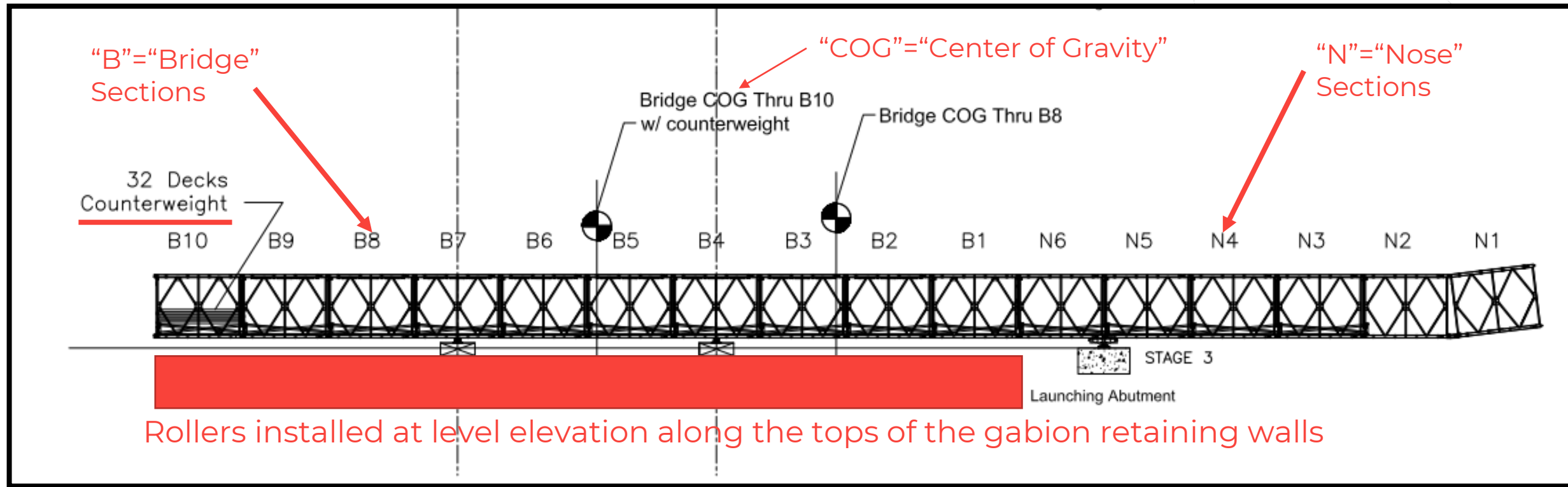
The Gateway Confined Disposal Facility Bridge Crossing – Helical Pile Installation & Gabion Wall Construction



The Gateway Confined Disposal Facility Bridge Crossing – Helical Pile Installation & Gabion Wall Construction

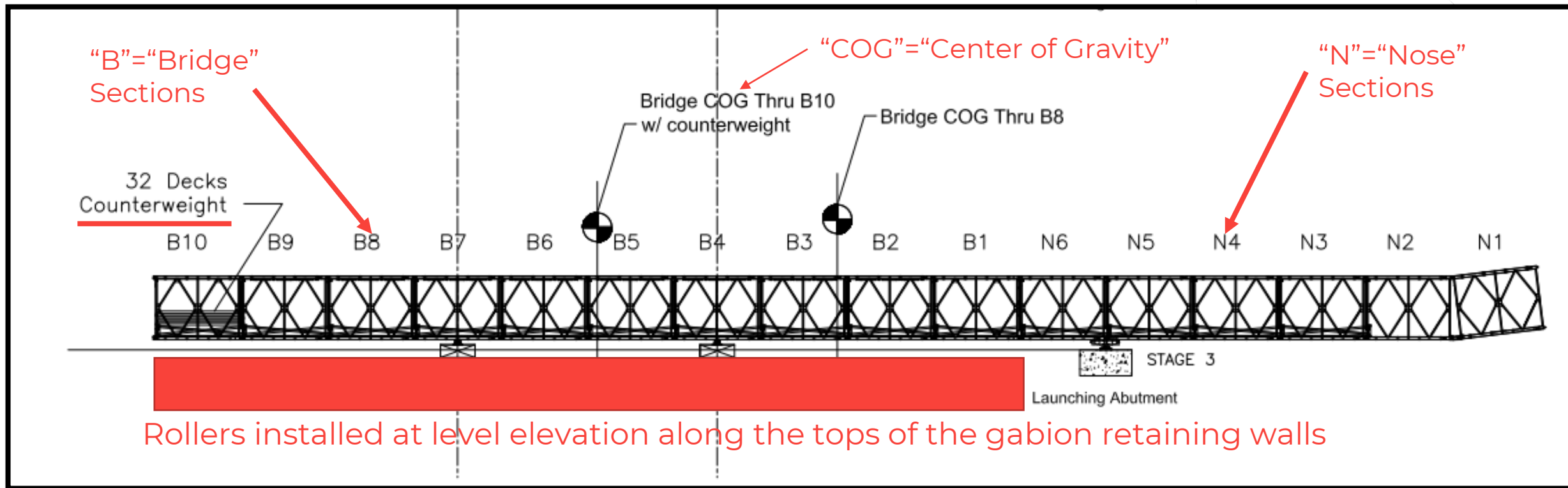


The Gateway Confined Disposal Facility Bridge Crossing – Launch



The Gateway Confined Disposal Facility Bridge Crossing – Launch

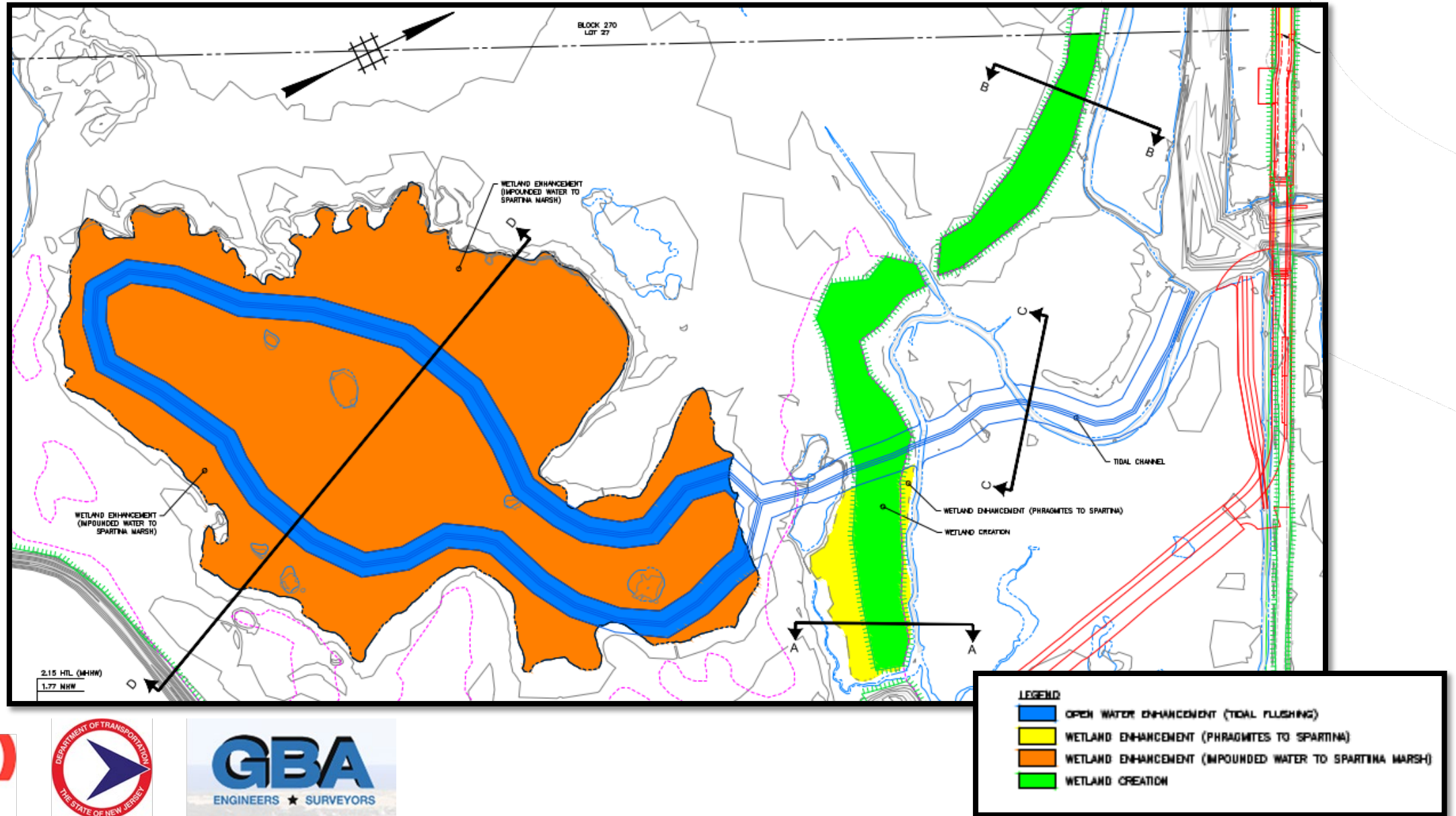
Show time lapse bridge launch video



The Gateway Confined Disposal Facility – Environmental Mitigation Area – Existing Conditions



The Gateway Confined Disposal Facility – Environmental Mitigation Area – Proposed Design



The Gateway Confined Disposal Facility – Environmental Mitigation Area – Aerials @

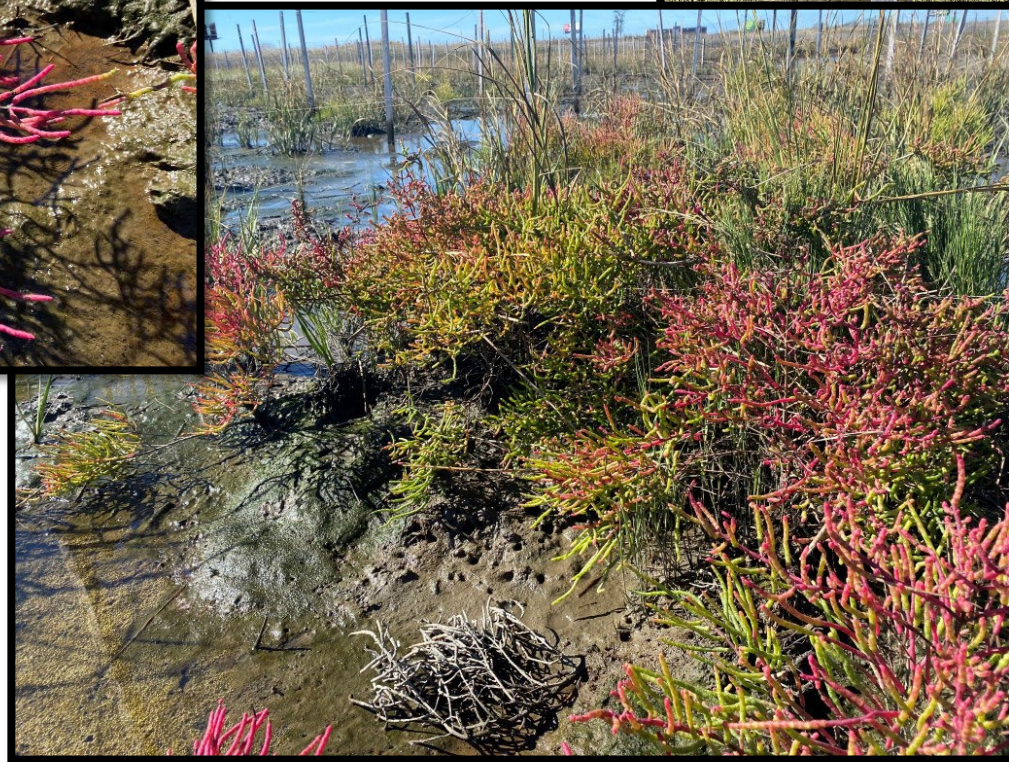
Upland Berm Removal



Former Impoundment



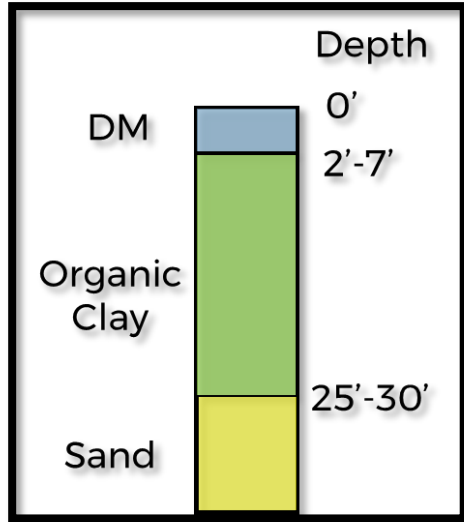
The Gateway Confined Disposal Facility – Environmental Mitigation Area – Photos @ Year 1



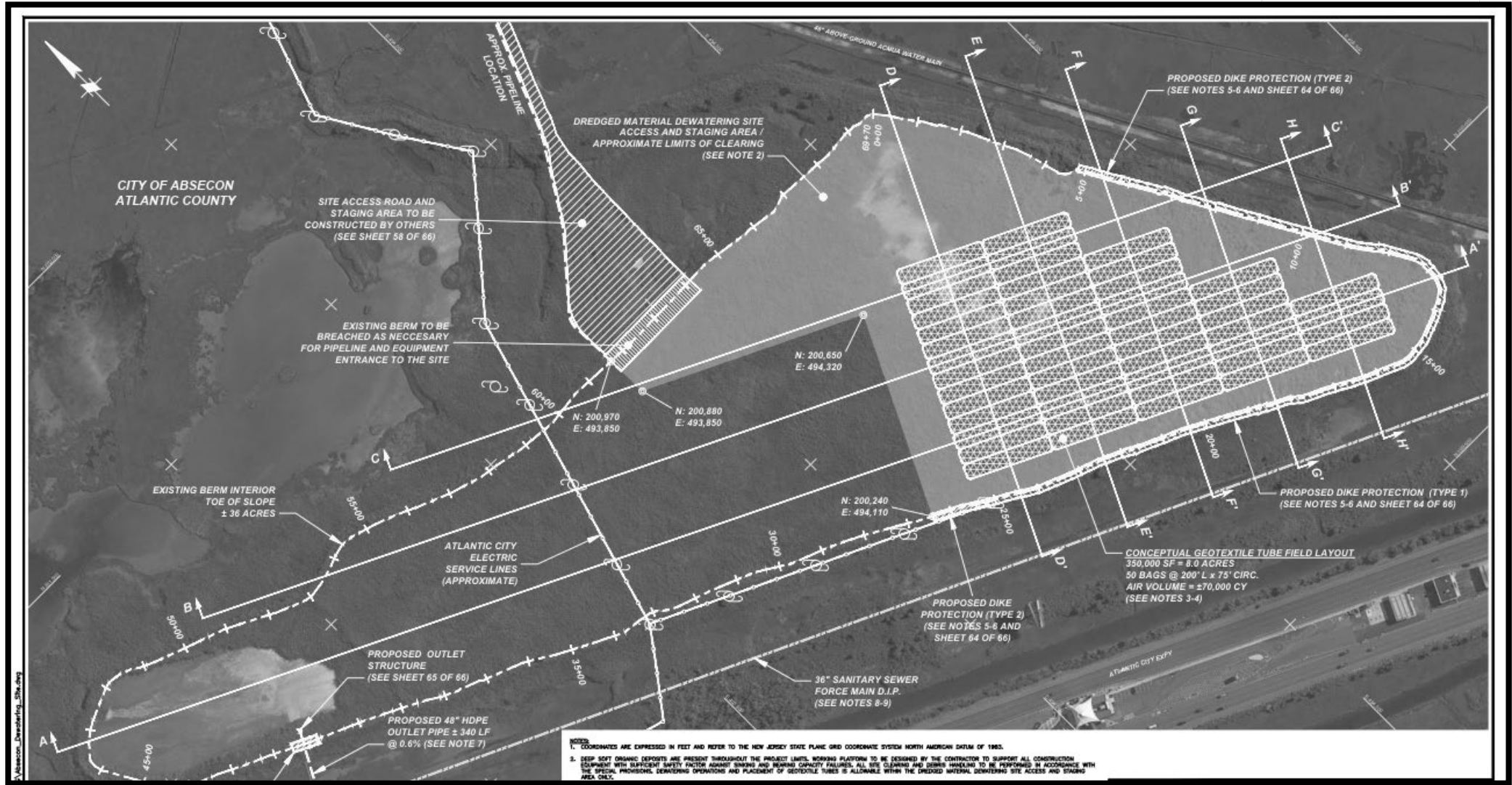
The Gateway Confined Disposal Facility – Environmental Mitigation Area – Photos @ Year 2



The Gateway Confined Disposal Facility – CDF Reconstruction Existing Conditions



The Gateway Confined Disposal Facility – CDF Reconstruction Design



The Gateway Confined Disposal Facility – CDF Final Constructed Configuration



The Gateway Confined Disposal Facility – CDF Final Constructed Configuration



The Gateway Confined Disposal Facility – Questions??

