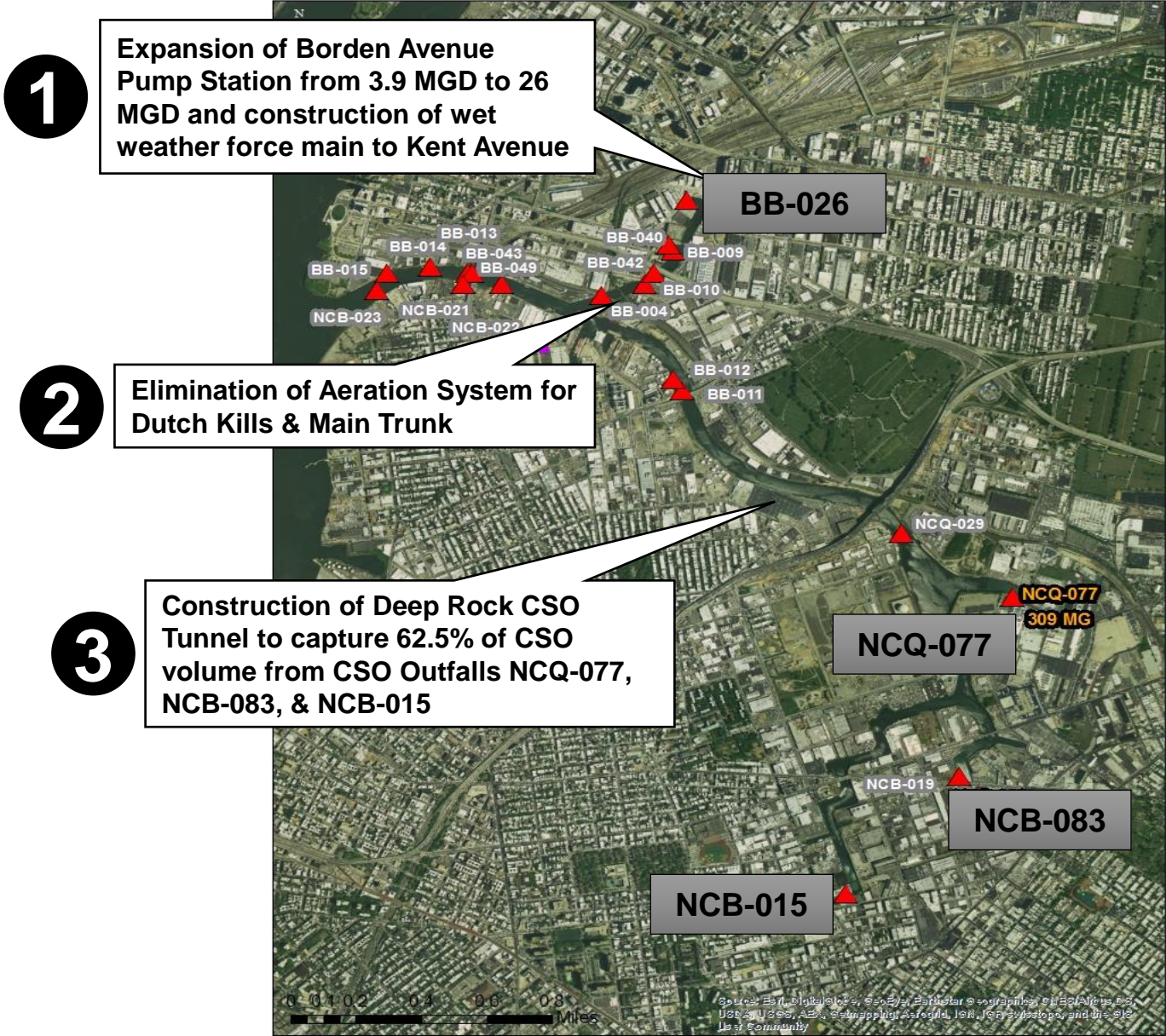


Newtown Creek Long Term Control Plan

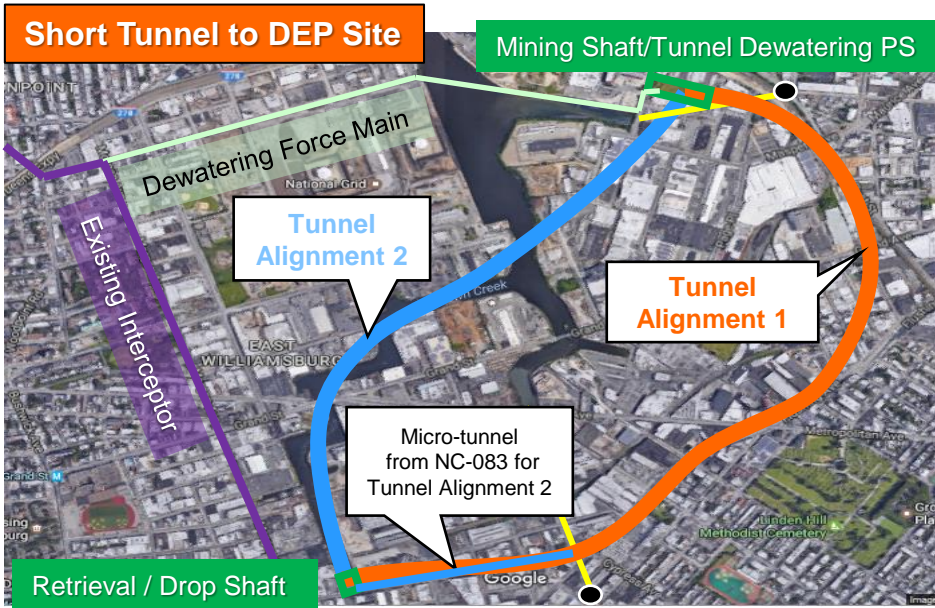
Status Update

Approved LTCP Projects

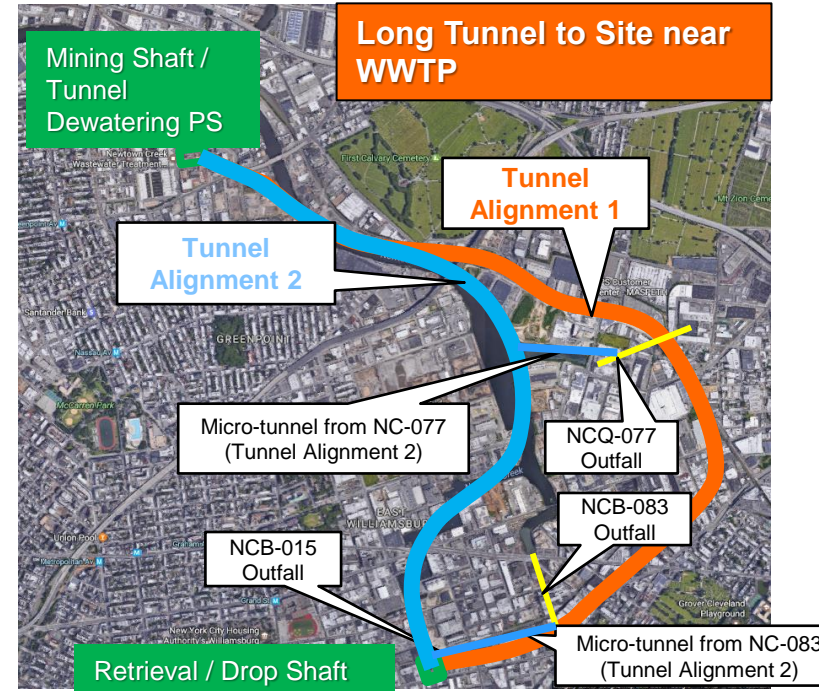


Newtown Creek Conceptual Tunnel Alignment Options

➤ 62.5% Control Deep Tunnel for Outfalls NC-015, NC-083 and NC-077



Short Tunnel to DEP Site	Tunnel Length (ft)	Selected Tunnel Diameter (ft)	Storage Volume Provided (MG)	PS Capacity (MGD)
Alignment 1 (ROW)	9,980	26	39	39
Alignment 2 (In-Creek)	7,570	30	39	39



Long Tunnel to Site near NC WWTP	Tunnel Length (ft)	Selected Tunnel Diameter (ft)	Storage Volume Provided (MG)	PS Capacity (MGD)
Alignment 1 (ROW)	18,800	19	39	39
Alignment 2 (In-Creek)	13,700	22	39	39

Status

LTCP Project	Approved LTCP Schedule	May 2022 Status
62.5% CSO Storage Tunnel	<ul style="list-style-type: none">• Initiate Final Design – June 2025• Final Design Completion – May 2028• NTP Construction – August 2030• Construction Completion – June 2042	<ol style="list-style-type: none">1. Design funding has been approved in latest capital plan2. Consultant candidate selected and contract negotiations underway.3. Target start of preliminary design and planning by fall 20224. 6.5 year duration for Planning and Design.5. Currently on track to meet Approved LTCP Schedule

Borden Avenue Pump Station

Borden Avenue Pump Station Overview

- Located under the Long Island Expressway in Long Island City
- Constructed in the 1950s, last upgraded in 1985
- Three dry well, non submersible pumps
- Current Capacity is 3.9 million gallons a day
- 14 inch wet well influent and force main
- Flow is conveyed to the Bowery Bay WRRF

Expansion Project

- Reduce volume of CSO Discharges from Outfall BB-026 by 75% by diverting 24 MGD of wet weather flow from the BB-026 outfall to BAPS through a new 42" gravity sewer
- Increase capacity of BAPS to 26 MGD
- Dry weather flow will still be conveyed to Bowery Bay through existing 14" force main
- Wet weather flow will be conveyed to Newtown Creek WRRF through new 36" force main.

Borden Avenue Pump Station



Current

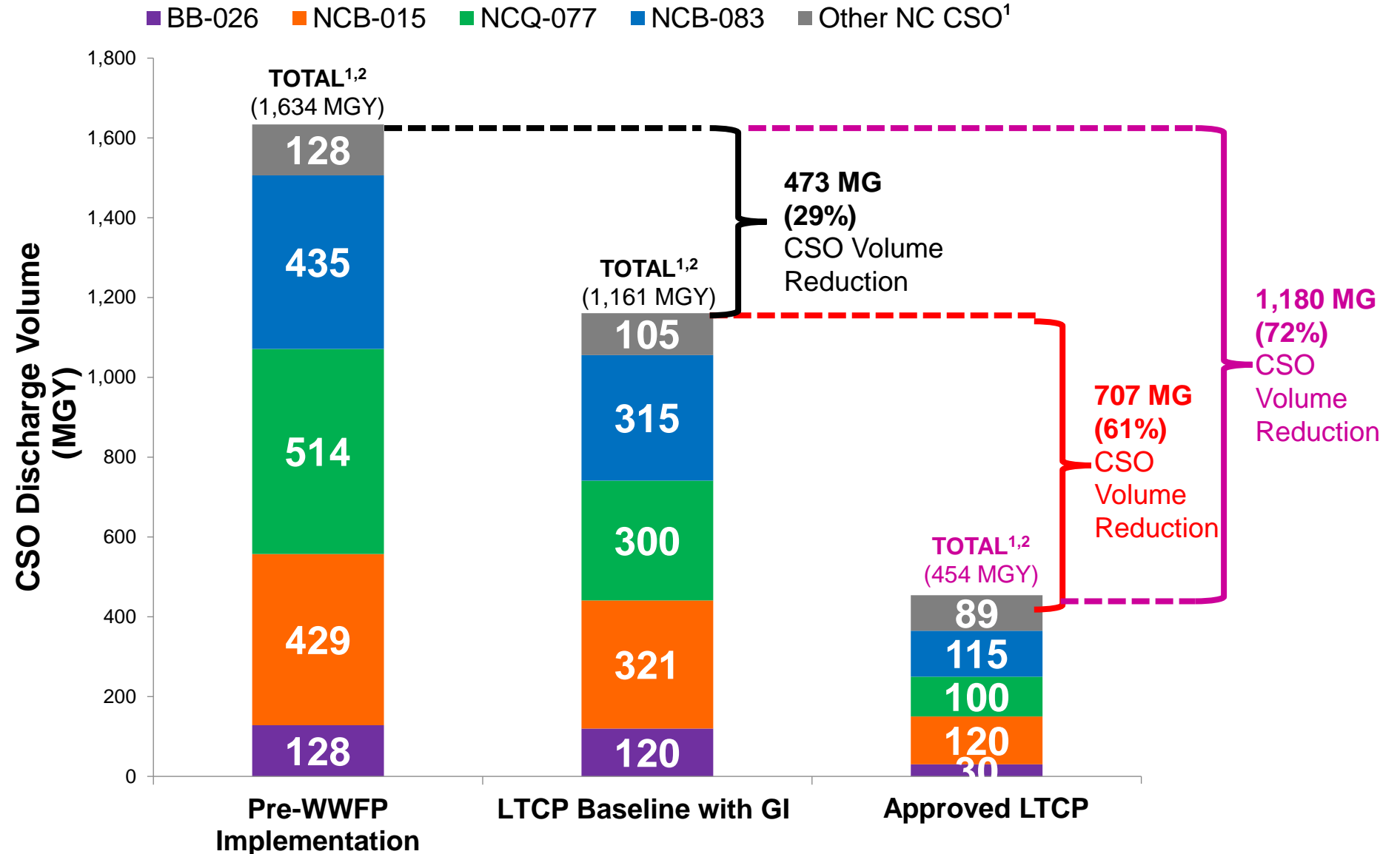


Planned

BAPS Expansion Status

LTCP Project	Approved LTCP Schedule	May 2022 Status
Borden Avenue Pump Station Expansion	<ul style="list-style-type: none">• Initiate Final Design – July 2021• Final Design Completion – December 2024• NTP Construction – September 2025• Construction Completion – September 2029	<ol style="list-style-type: none">1. Replace Existing Pump Station: this portion of the project has been designed and Construction to Commence May 31, 20222. Upgrade pumping capacity: Design initiated in July 2021. Design is progressing with an anticipated completion date of September 20243. DDC Portion (sewers / forcemains / regulator modifications) – Completed survey work to assist in determining optimal alignments for sewer/forcemains. Design to progress concurrently and in coordination with design for increased pumping station capacity

Newtown Creek LTCP CSO Reductions



Questions?

