

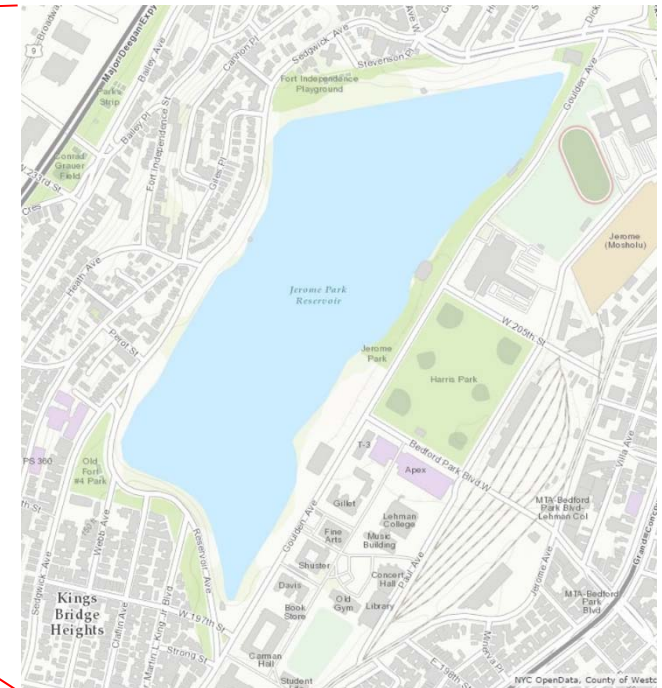


Update on Ongoing Jerome Park Reservoir Construction Contracts

Sedgwick Avenue, Goulden Avenue & Reservoir Avenue, Bronx

Community Board 8
June 17, 2019

Jerome Park Reservoir



Project Goals:

- Repair and upgrade this critical piece of the Croton Water Supply System
- Improve the reservoir's infrastructure, service level and reliability
- Improve functionality and site safety at the reservoir

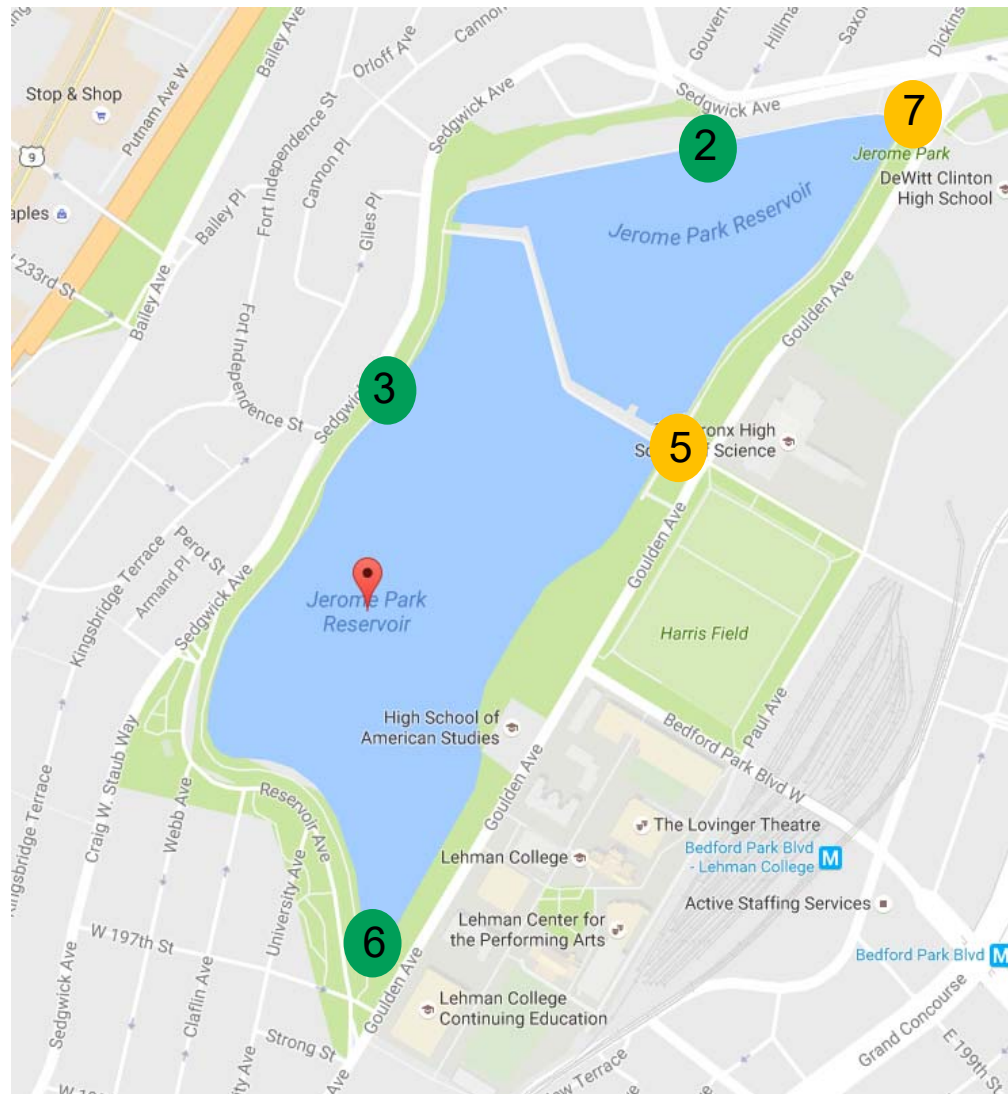
Contracts:

- CRO-521: Gatehouses
- JRAQ-REH: Aqueduct and Reservoir

CRO-521 Construction Progress

- Notice to Proceed Issued: October 10, 2018
- Contractor Mobilized: December 2018
- Scheduled Completion Date: December 2021

CRO-521: De/Reconstruction of Gatehouses



- Deconstructed
- Rehabilitated

CRO-521 Deconstruction of Gatehouses



Before



After

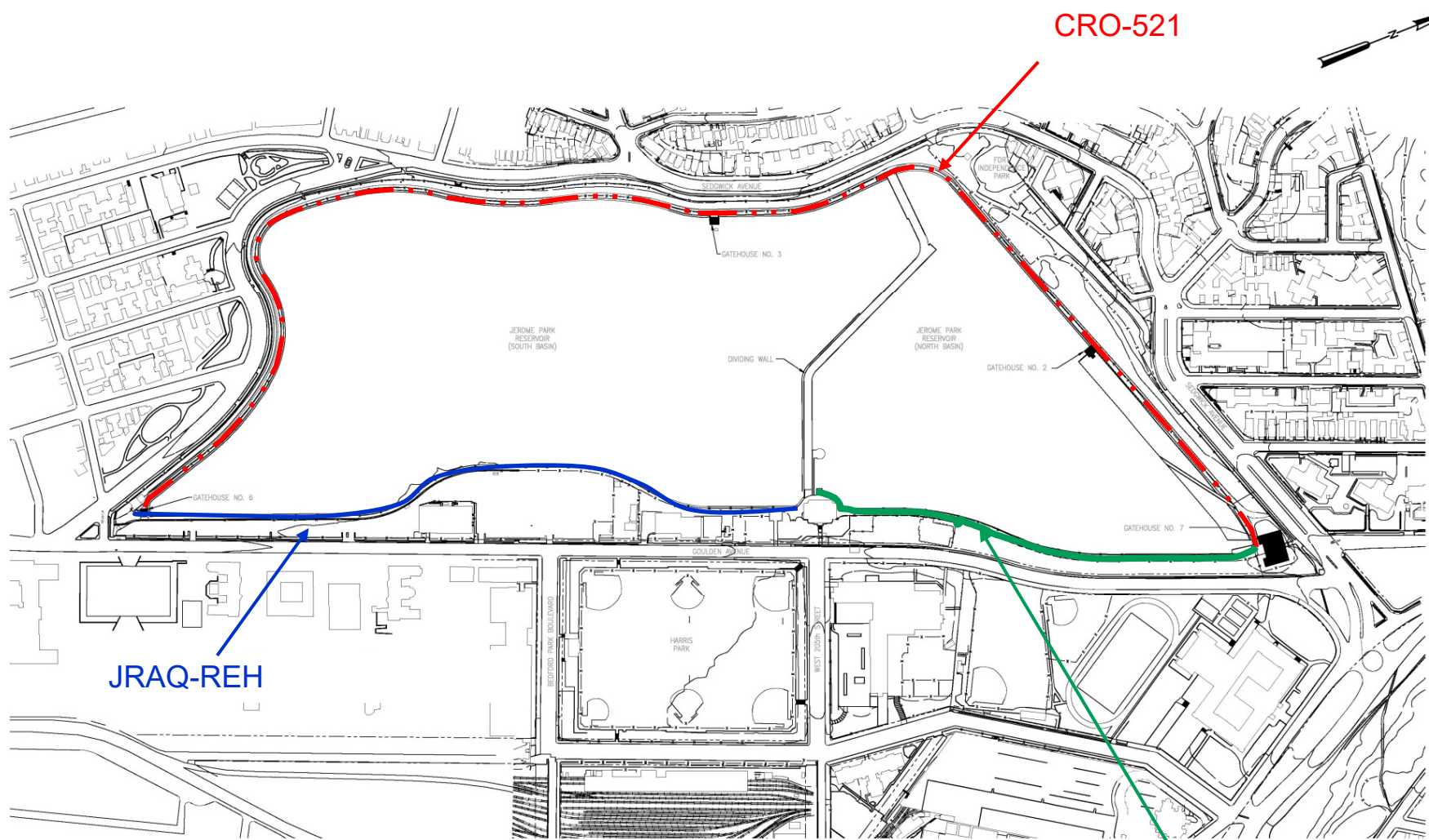
CRO-521: Rehabilitation of Gatehouses



Rehabilitation of Gatehouses 5 & 7

Interior Fence Replacement

CRO-521



JRAQ-REH

Transferred from
CRO-521 to
JRAQ-REH

Need for Repair: The Old Croton Aqueduct

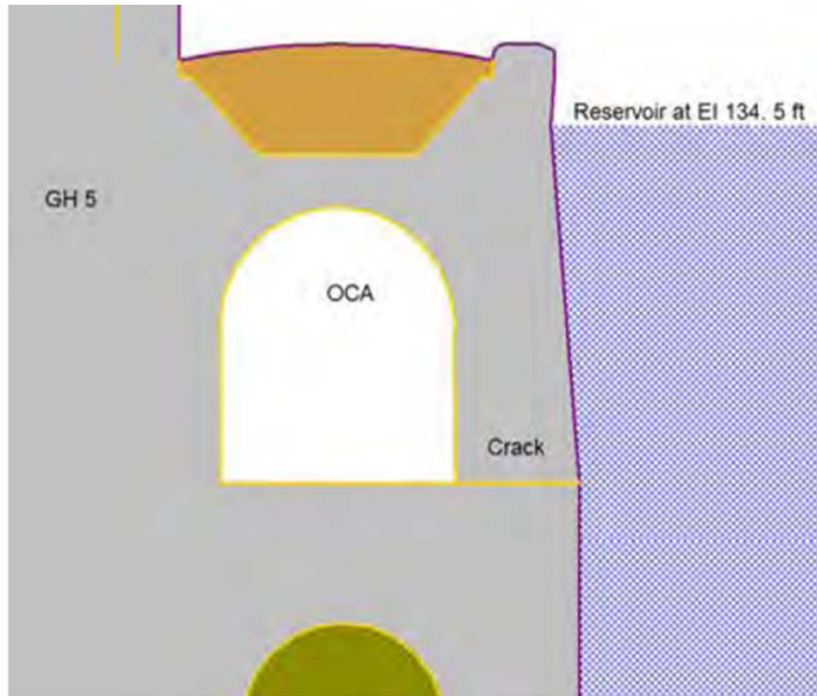


Diagram illustrating crack causing leakage into the reservoir basin

(Source: Jerome Park Reservoir Inspection – Final Inspection Report, Leakage Analysis, John P. Picone, Inc. & Schiavone Constriction Co. Joint Venture, May 24, 2102)

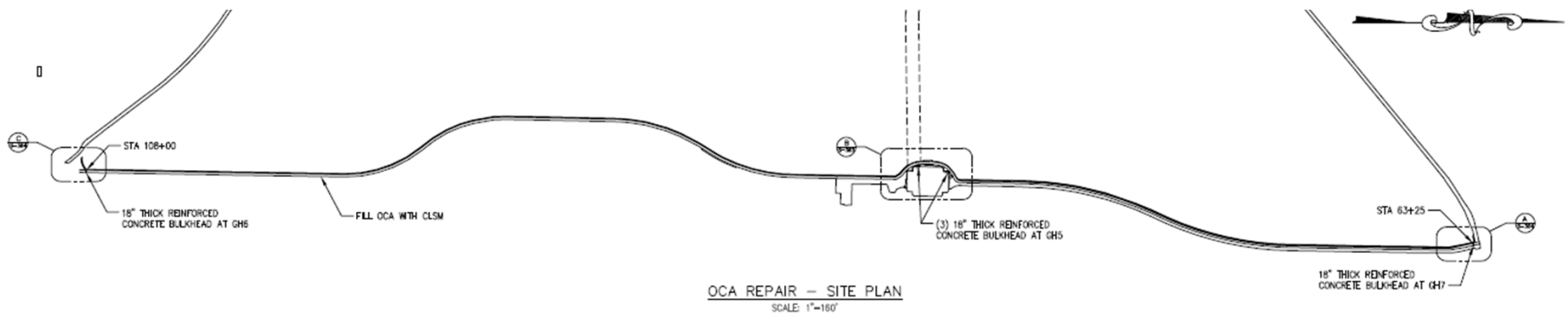


Photo of Old Croton Aqueduct interior

The Old Croton Aqueduct



Flowable, self-leveling concrete (image: www.chaneyenterprises.com)

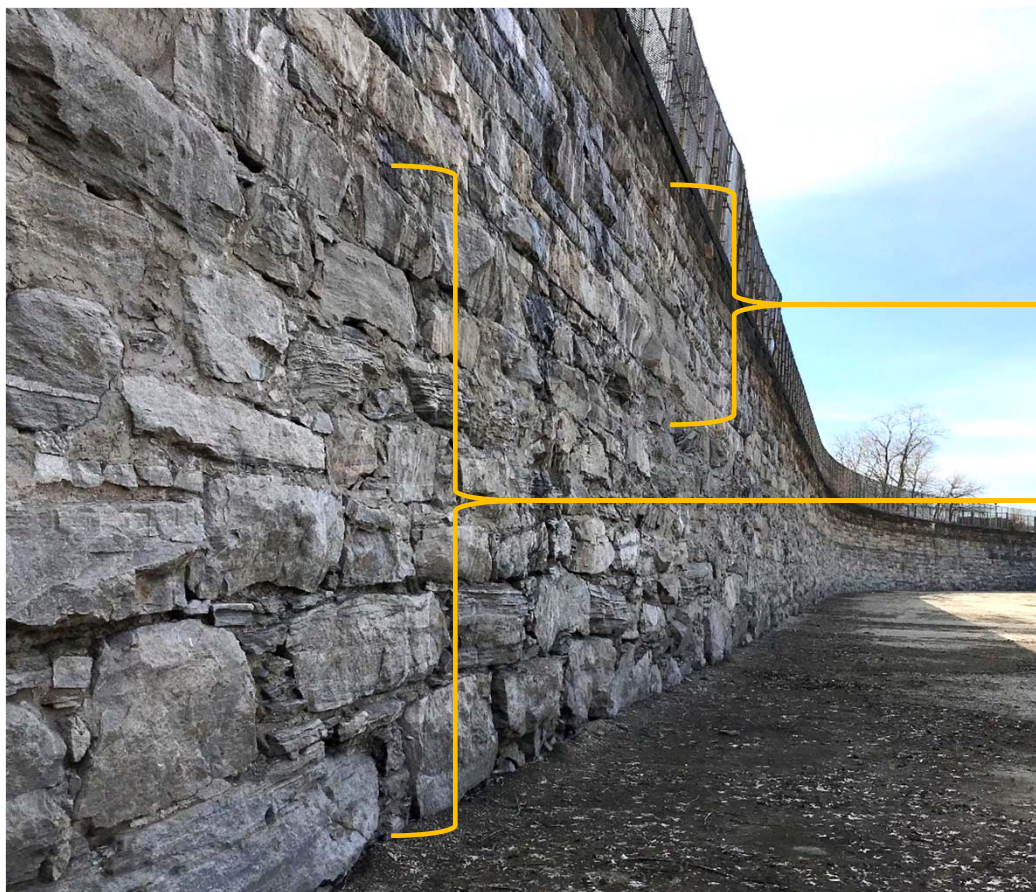


Need for Repairs: East Wall



Leakage into the reservoir basin and deterioration of the east wall

Architectural Profile

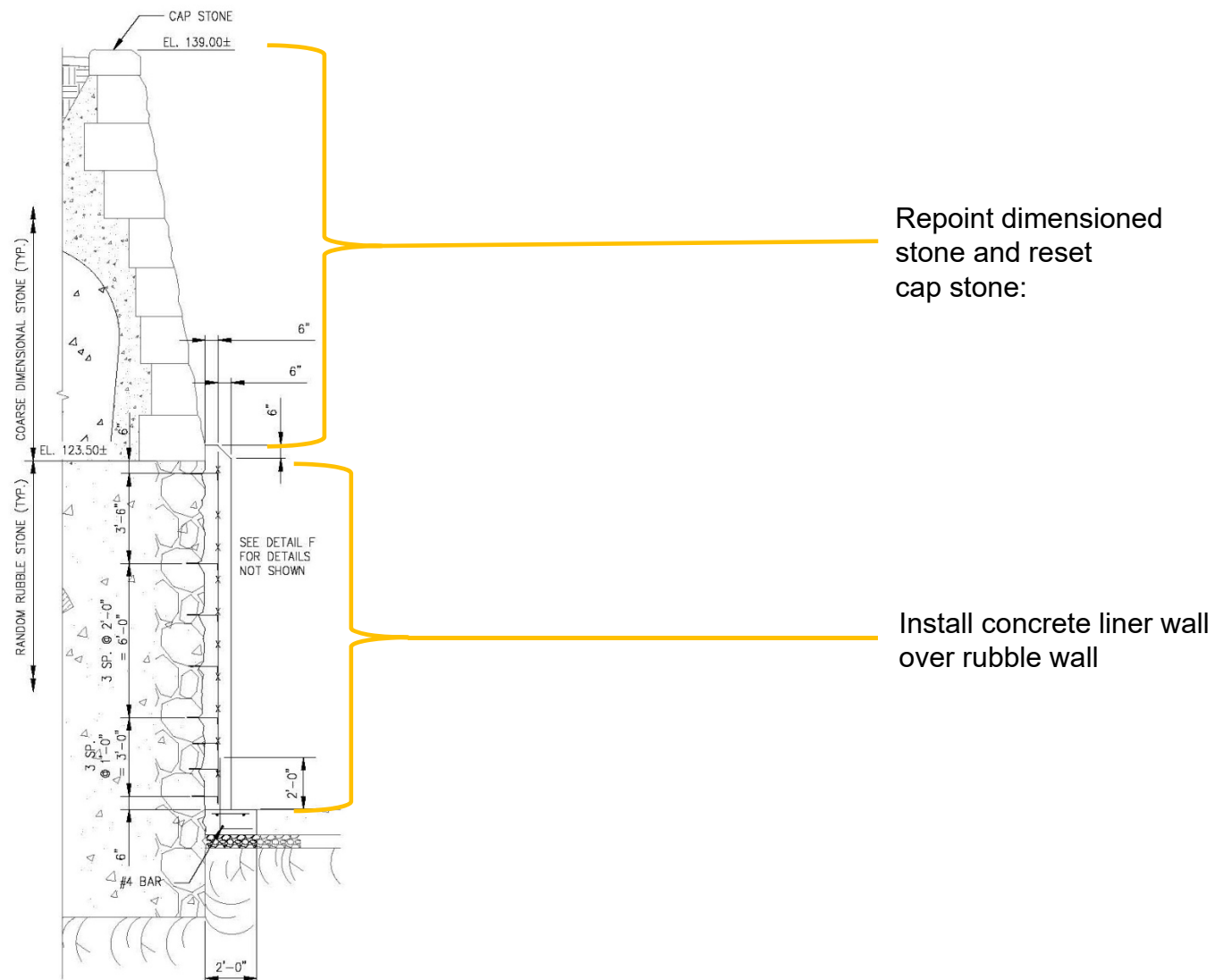


Dimensioned
stone with
cap stone:
15'-6" H

Rubble wall:
13'-6" H



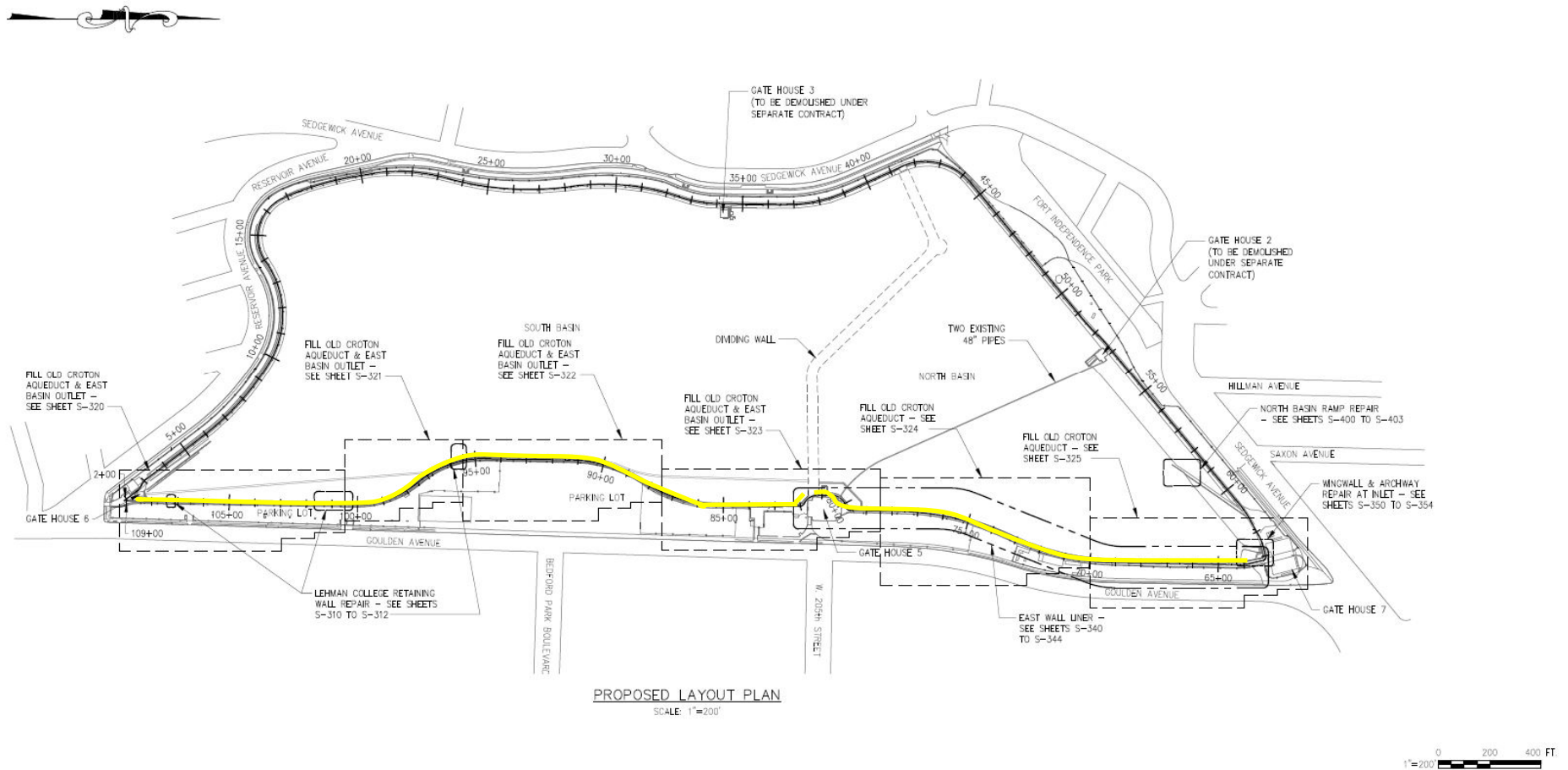
Stabilization Proposal



Recent South Basin East Wall Failure



Revised Proposal for Extent of Liner Wall



South Basin (Drained)



South Basin (Typical Filled Condition)



North Basin (Typical Drained Condition)



Added Scope: North Basin Ramp Upgrade

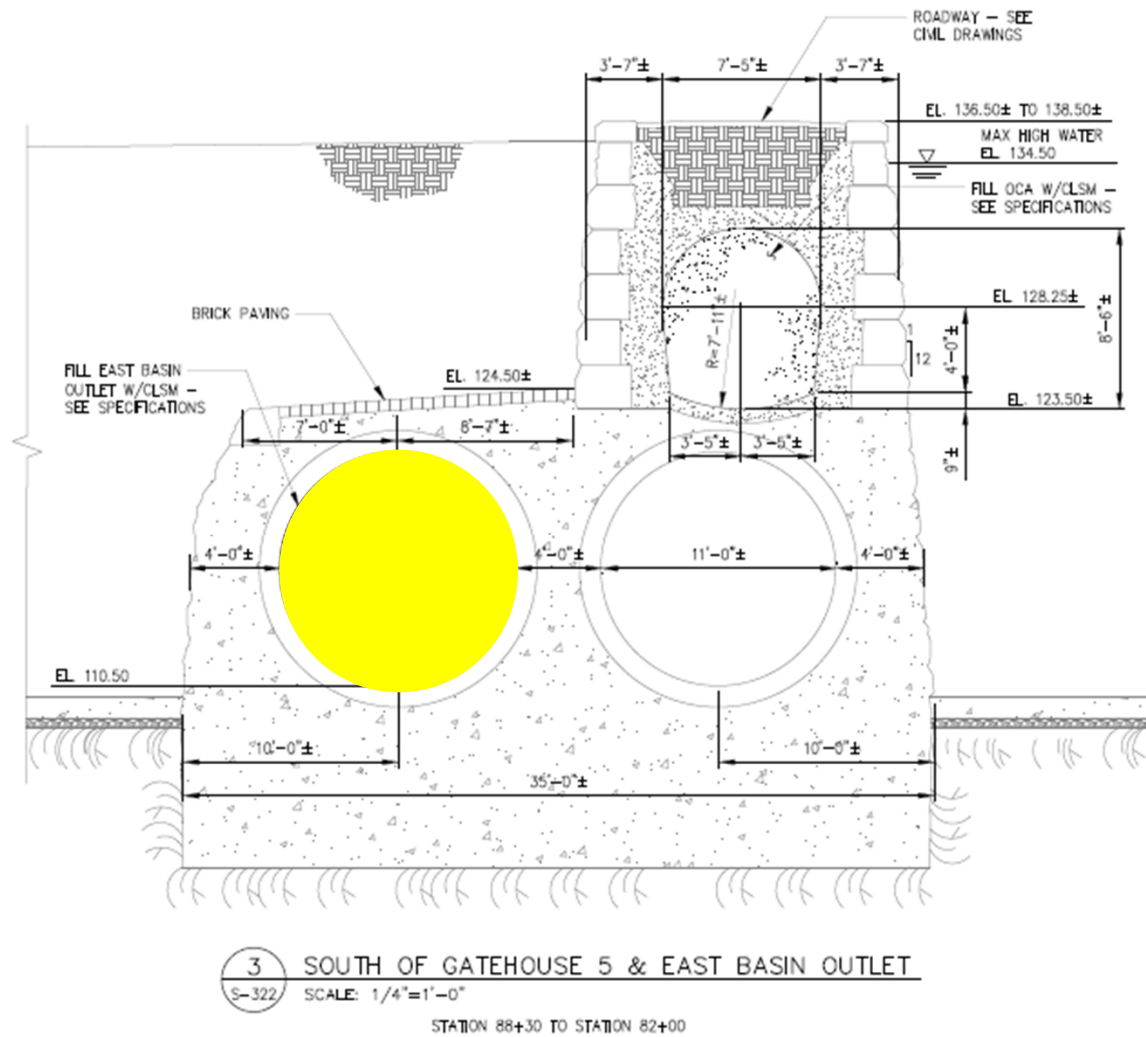


Existing



Proposed with support structure and guardrail

Deleted Scope: East Basin Outlet



JRAQ-REH Schedule



- Notice to Proceed: July 2020
- Scheduled Completion Date: December 2025

CRO-521

- Deconstruction of Gate Houses #2, 3 and 6 brick superstructures
- Installation of decorative fencing and electrical cabinets using salvaged brick and limestone plaques at Gate Houses #2 & 3
- Reseed with lawn at former Gate House #6 site
- Rehabilitation of Gate Houses #5 & 7
- Replacement of interior 10-foot tall fence with 4-foot tall fence

JRAQ-REH

- Fill Old Croton Aqueduct with flowable concrete
- Shore up east wall with concrete liner over rubble wall and repoint dimensioned stone
- Replacement of interior 10-foot tall fence with 4-foot tall fence
- Shore up north basin ramp