



Engineering, Operations, & Technology Committee

Weymouth Administration and Control Building Seismic Upgrades

Item 8-2

May 11, 2026

Presented by: Gary Cho

Item 8-2 Weymouth Administration & Control Building Seismic Upgrades

Subject

Adopt CEQA determination that the proposed action was previously addressed in the certified 2024 F.E. Weymouth Water Treatment Plant and La Verne Site Improvements Program Environmental Impact Report; award a \$26,679,800 contract to PCN3 Inc. for seismic upgrades to the Weymouth Administration and Control Building; authorize an agreement with Arcadis U.S. Inc., in an amount not-to-exceed \$1.3 million for technical support during construction, and an agreement with Fugro USA Land Inc. in an amount not-to-exceed \$750,000 for geotechnical engineering support during construction

Purpose

Improve seismic resiliency and fire/life safety standards for the Weymouth Administration and Control Building

Recommendation and Fiscal Impact

Award a construction contract for seismic upgrades to the Weymouth Administration and Control Building and authorize new agreements for technical and geotechnical support during construction

Fiscal Impact – \$38.8 M

Budgeted

Background

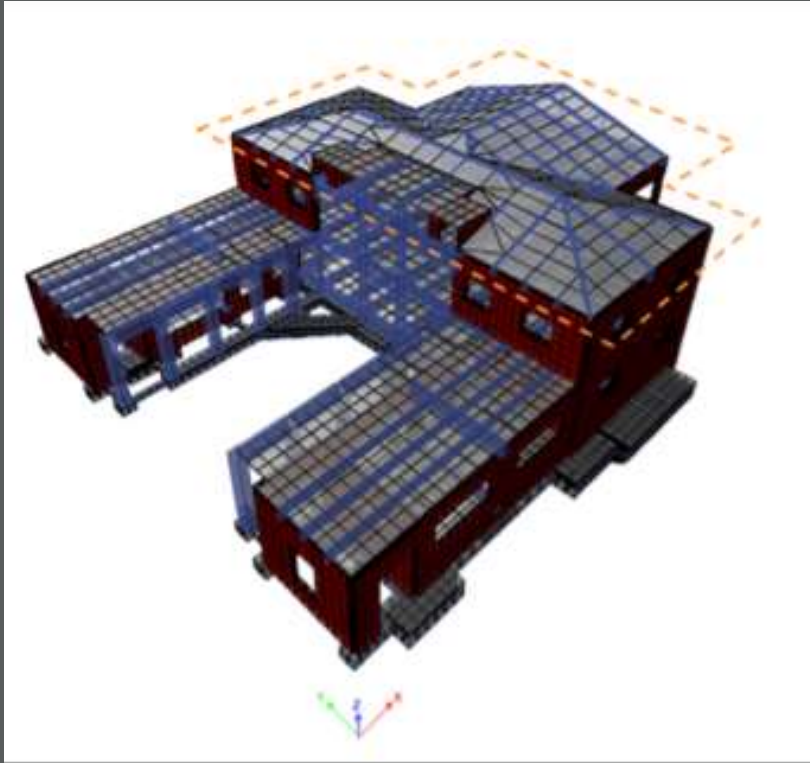
- Built in 1940 - Historical
- Administration & Control Building - 35,000 square feet
- Critical functions
 - Weymouth plant control room
 - Water Quality laboratory
 - La Verne campus server room
- Finished Water Reservoir inlet channel located beneath building



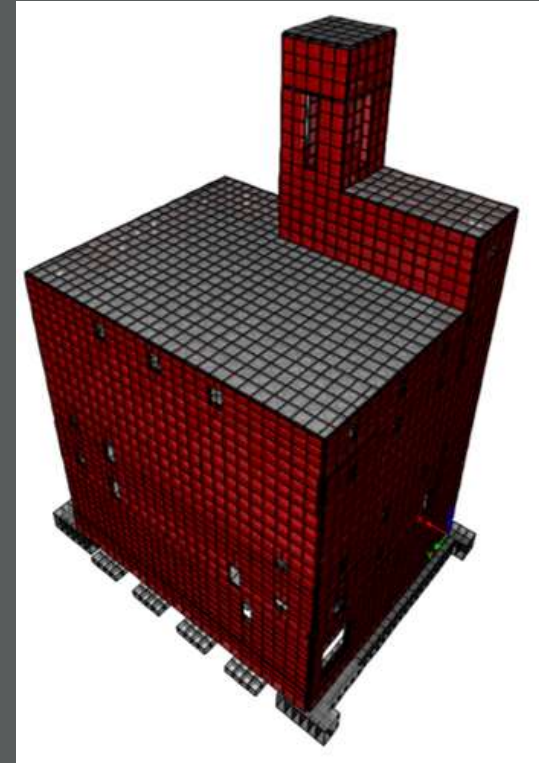
Background

- Evaluated under Metropolitan's seismic resiliency program
- Building requires strengthening to meet latest standards for immediate occupancy

3D Structural Models

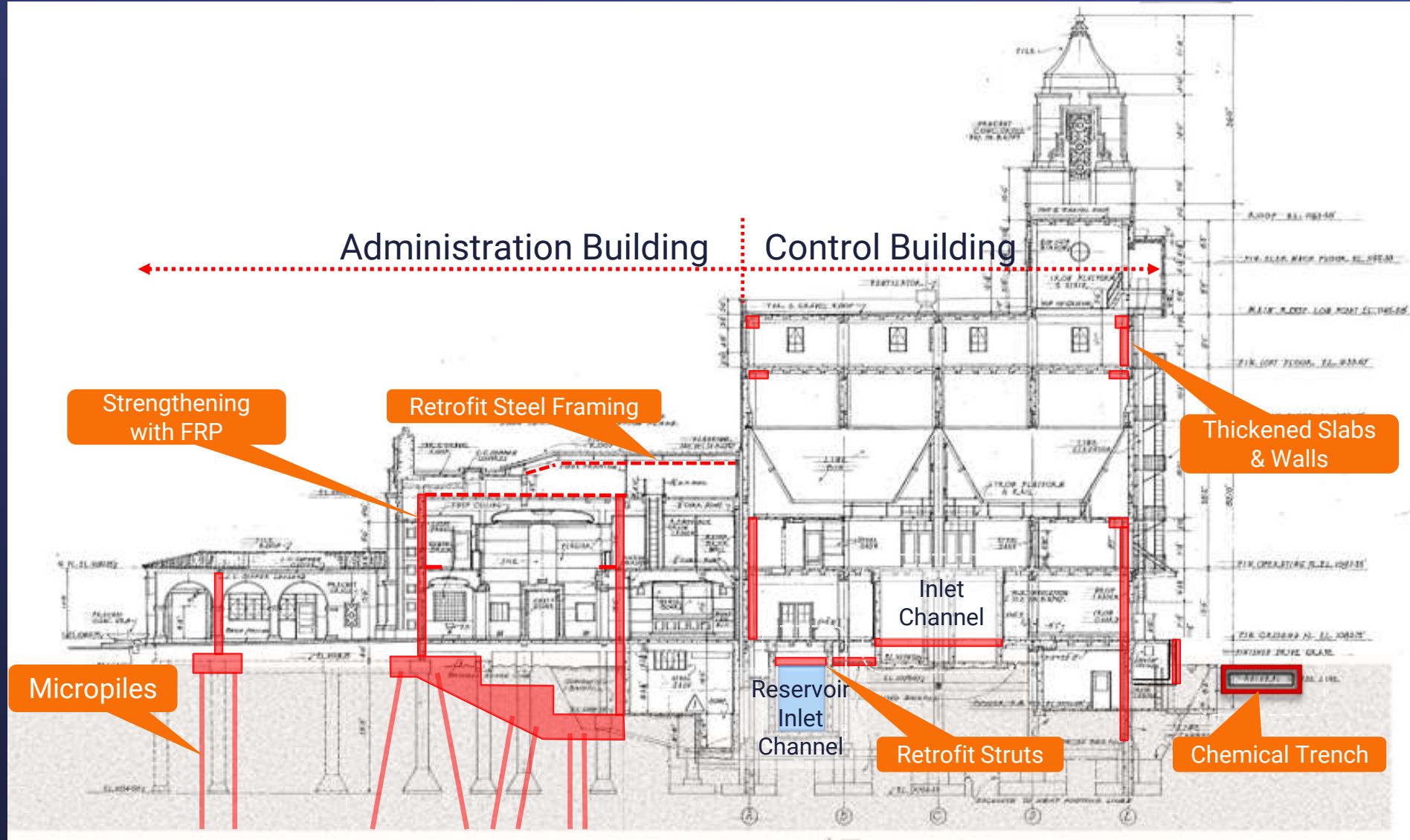


Administration Building



Control Building

Seismic Upgrade & Building Improvements

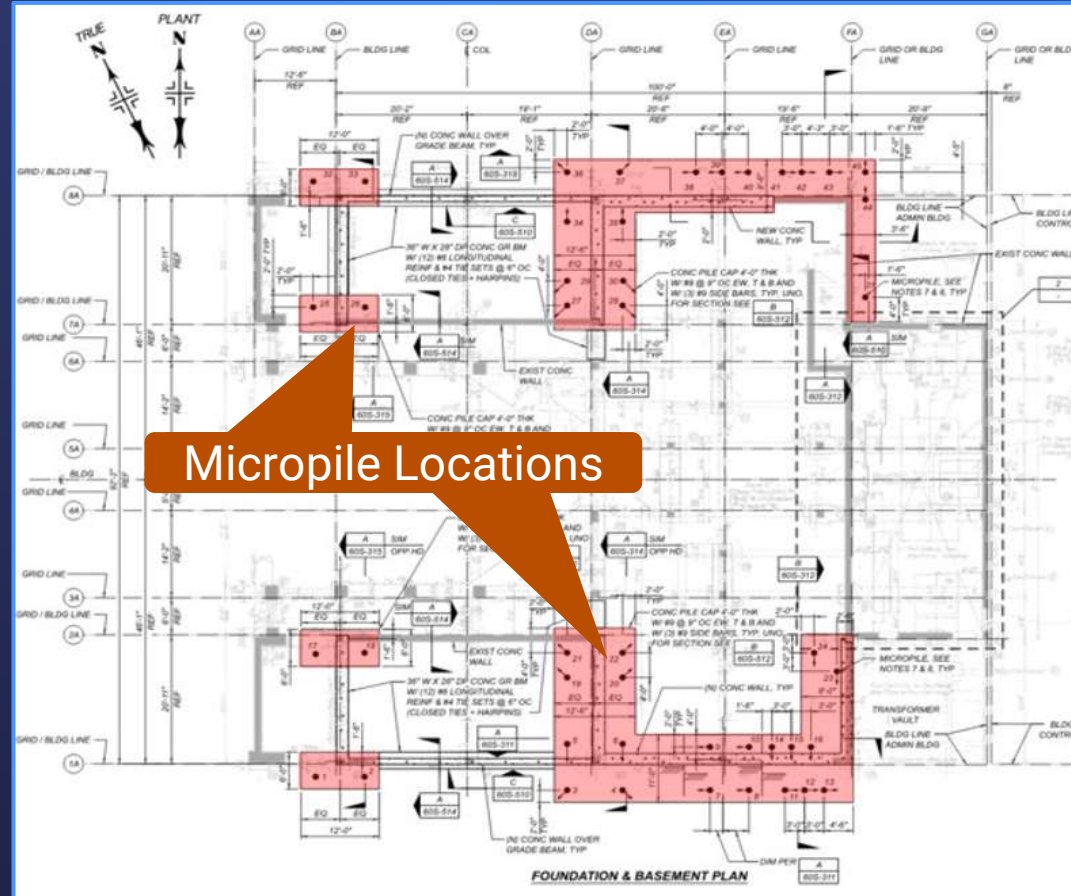


Seismic Upgrade & Building Improvements

Micropiles

- Install 50 micropiles - 8-inch to 10-inch diameters
- Drill to approximately 75 feet below grade

Weymouth Administration & Control Building Seismic Upgrades



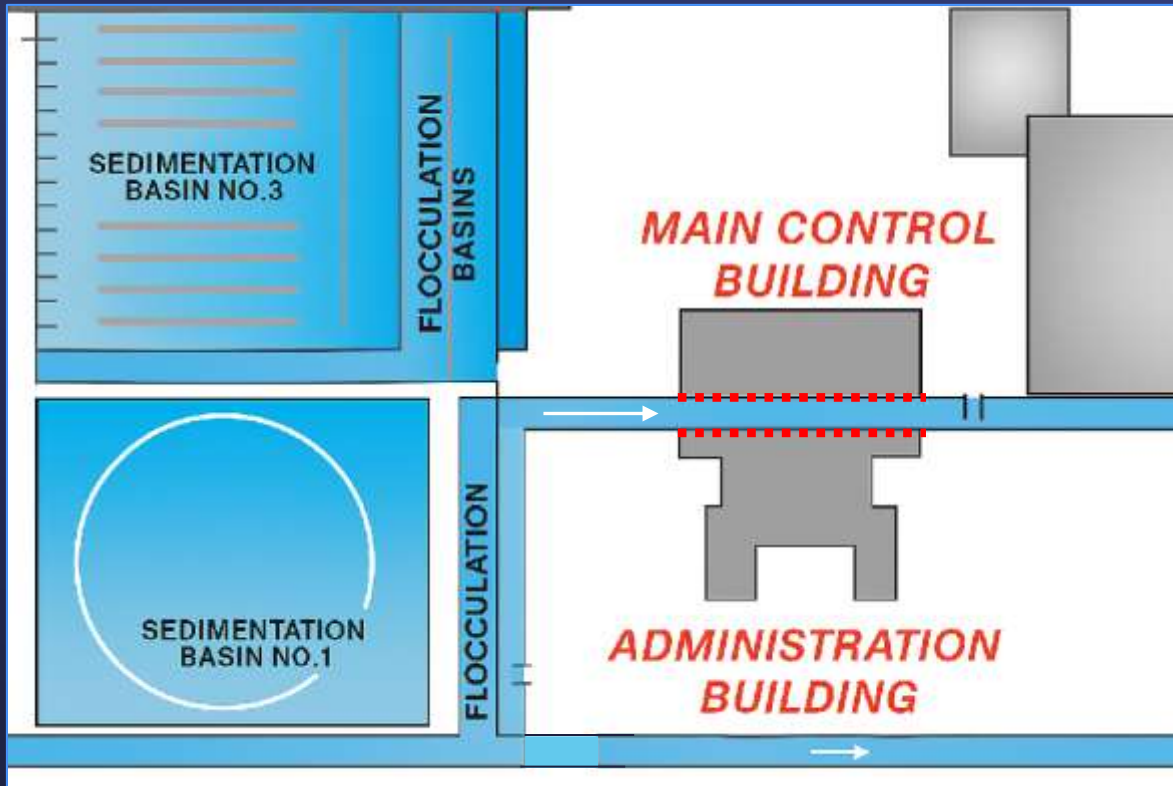
Administration Building (plan view)



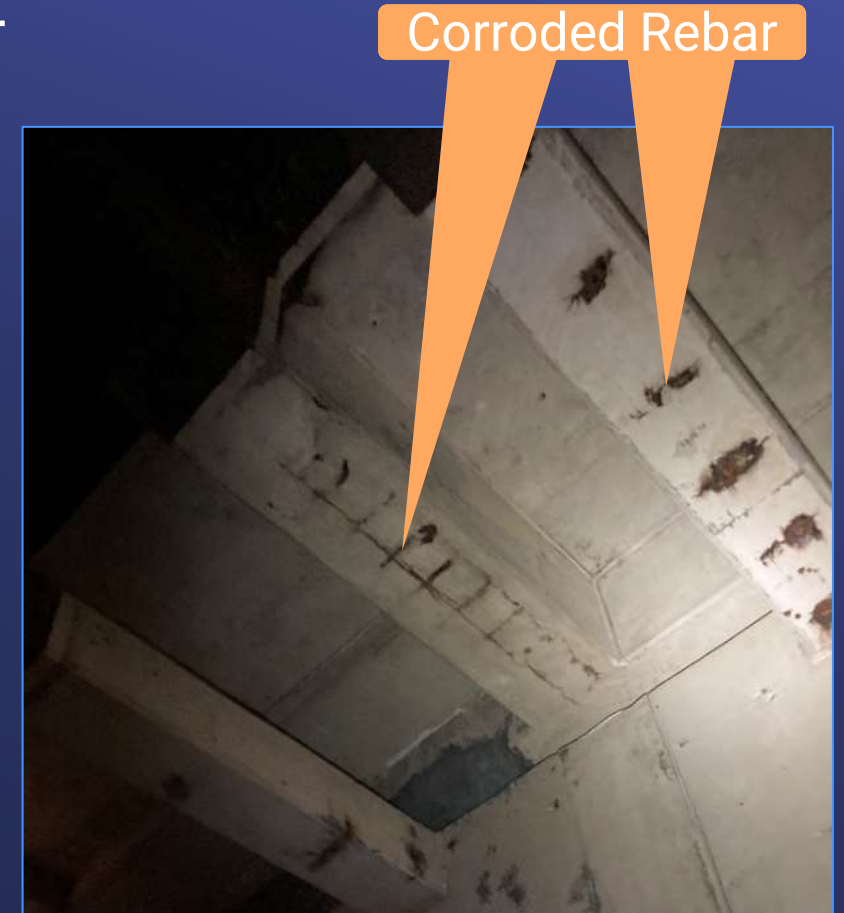
Drill Rig

Finished Water Reservoir Inlet Channel

- One segment located beneath control building
- Conveys treated water to finished water reservoir



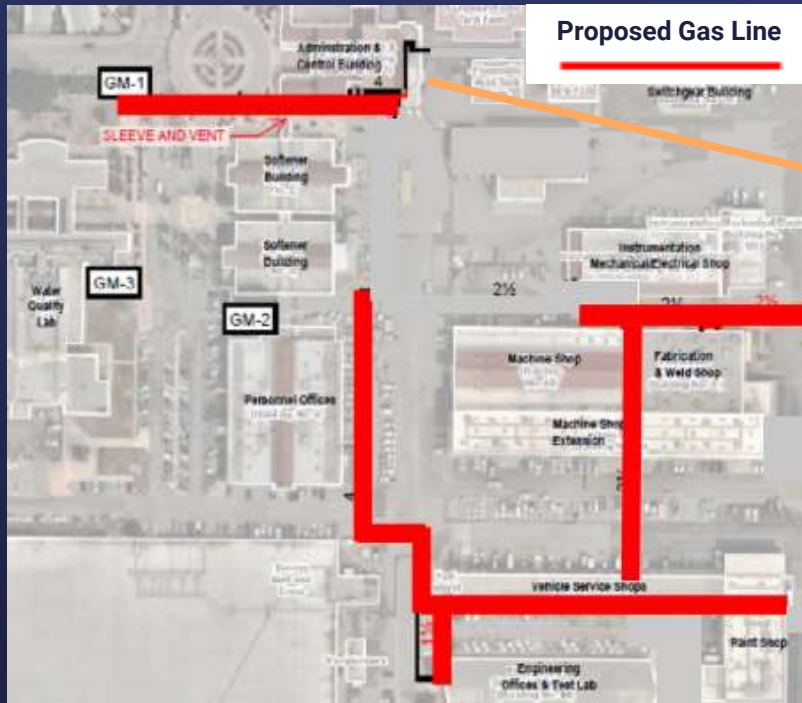
Finished Water Reservoir (FWR) Inlet Channel



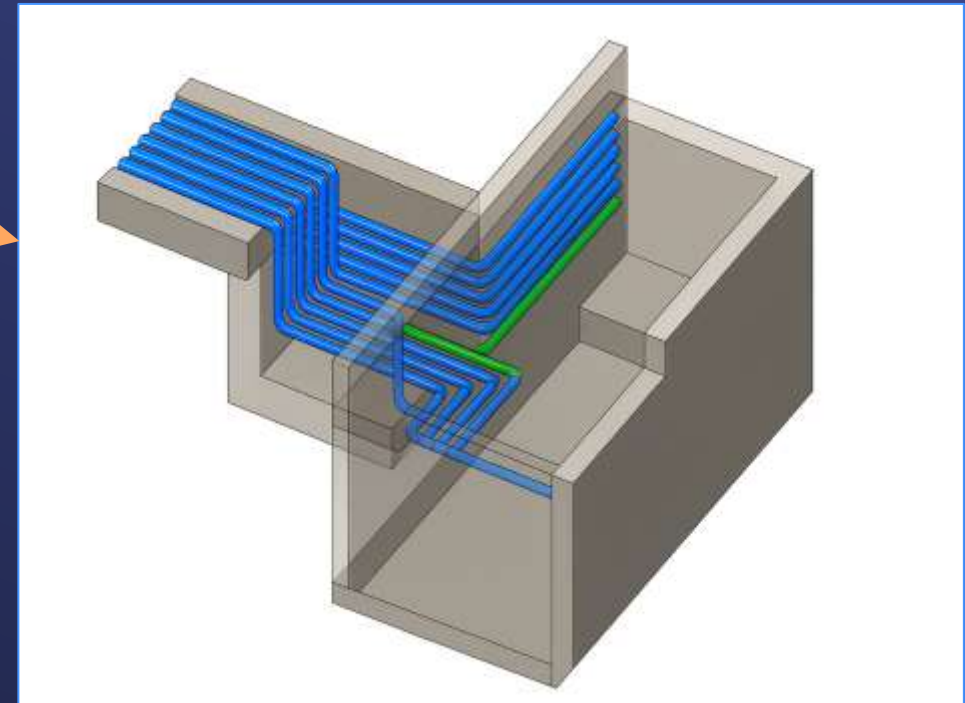
Lateral Struts

Chemical Trench and Plant Natural Gas Line Upgrade

- Relocate chemical feed lines to provide easier access and increase safety
- Replace aging natural gas lines – approx. 1,500 linear feet
- Upgrade master gas meter



Natural Gas Line (Plan)



Chemical Trench (Exterior)

Weymouth Administration & Control Building Seismic Upgrades

Alternatives Considered

- Considered Alternative – Improve administration side of the building while deferring upgrades to the control side
 - Does not provide adequate working areas to install micropiles
 - Extends overall construction duration
- Selected Alternative – Proceed with concurrent upgrades to both sides including all building improvements
 - Improves seismic resilience & safety
 - Minimizes impacts to plant operations
 - Optimizes construction timeline

Weymouth
Administration &
Control Building
Seismic
Upgrades

Scope of Work – Contractor

- Seismically upgrade Weymouth Administration & Control Building
- Extend existing chemical trench
- Remediate hazardous materials
- Improve plant-wide natural gas line
- Furnish & install fire protection systems
- Construct new staff offices & rooms

Scope of Work – Metropolitan

- Metropolitan force activities:
 - Install chemical feed & water sample lines
 - Construction support & start-up activities
 - Support FWR inlet channel shutdown
- Project management & contract administration
 - Relocation support
- Inspection & construction management
- Submittal review & record drawings
- Environmental support & monitoring



Laboratory Trailer during Diemer Seismic Upgrades

Bid Results

Specifications No. 1937

Bids Received	March 10, 2026
No. of Bidders	5
Lowest Responsible Bidder	PCN3 Inc.
Low Bid	\$26,679,800
Range of Other Bids	\$34,077,532 to \$38,476,000
Engineer's Estimate	\$31,850,000
SBE Participation Goal	25%

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Arcadis U.S. Inc. – New Agreement

- Engineer of Record
- Scope of Work
 - Construction technical support
 - Review submittals & respond to requests for information
 - Prepare record drawings
- NTE amount: \$1,300,000
- SBE participation level: 25%

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Fugro USA Land Inc. – New Agreement

- Scope of Work
 - Geotechnical engineering services
 - Review submittals & respond to requests for information
 - Document micropile installation & testing
- NTE amount: \$750,000

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Rincon Consultants Inc. – No Action Required

- Environmental support during construction
- Scope of Work
 - Perform environmental construction monitoring
 - Prepare document for project mitigation monitoring & reporting program
- NTE amount: \$180,000
- SBE participation level: 25%

Allocation of Funds

Weymouth Administration & Control Building Seismic Upgrades

Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$	1,750,000
Construction Inspection & Support		2,850,000
Force Construction		1,070,000
Submittals Review, Tech. Support, Record Dwgs.		1,180,000

Materials & Supplies

1,030,000

Professional/Technical Services

Arcadis U.S. Inc.		1,300,000
Fugro USA Land Inc.		750,000
Rincon Consultants Inc.		180,000

Contract

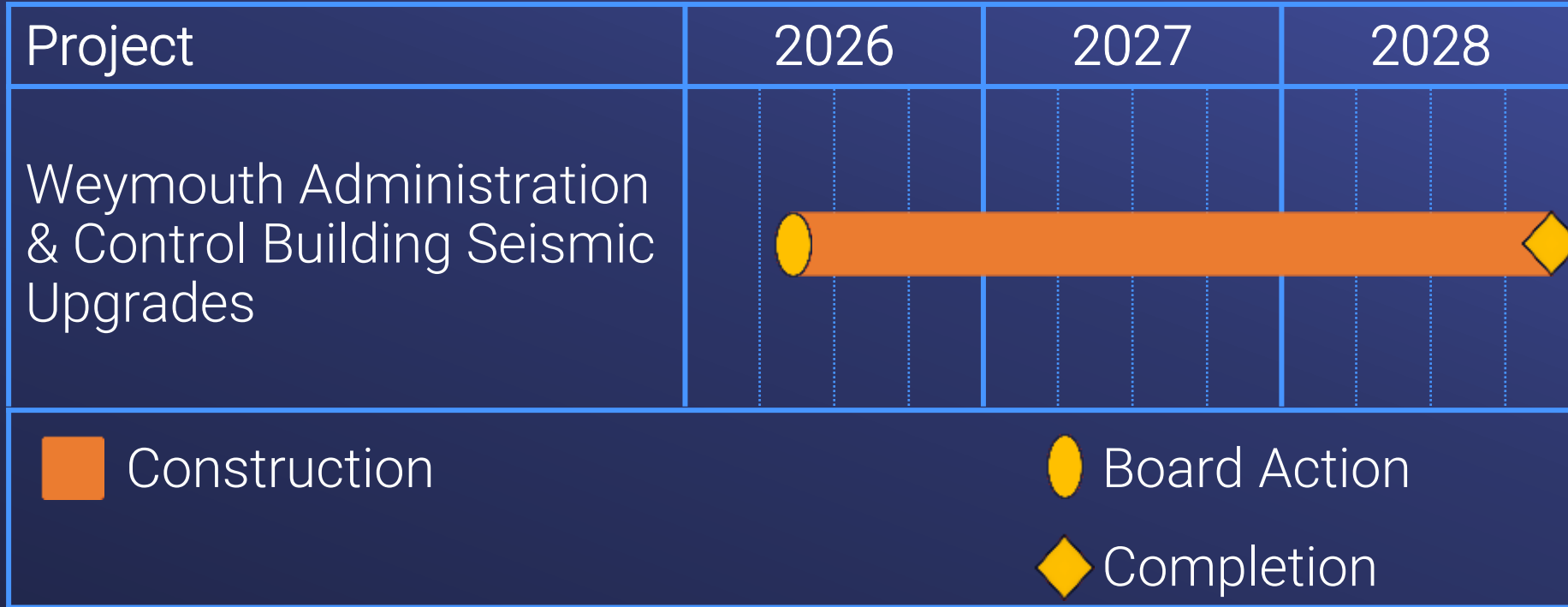
PCN3 Inc.		26,679,800
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Remaining Budget

2,010,200

Total \$ 38,800,000

Project Schedule



Board Options

- Option #1
 - a. Adopt CEQA determination that the proposed action was previously addressed in the certified 2024 F.E. Weymouth Water Treatment Plant and La Verne Site Improvements Program Environmental Impact Report.
 - b. Award a \$26,679,800 construction contract to PCN3 Inc. for seismic upgrades to the Weymouth Administration and Control Building.
 - c. Authorize an agreement with Arcadis U.S. Inc. for an amount not-to-exceed \$1.3 million for technical support during construction.
 - d. Authorize an agreement with Fugro USA Land Inc. in an amount not-to-exceed \$750,000 for geotechnical engineering support during construction.
- Option #2

Do not proceed with this project.

Staff Recommendation

- Option #1

