



RFQ INFORMATIONAL SESSION

OHIO RIVER TUNNEL (ORT) CM Services

03/31/2022 10:00AM



Overall Program Coordination

- ALCOSAN Staff
- Program Director (CDM Smith)
- Tunnel PM (Jacobs)
- ORT Final Design Consultant (Mott MacDonald)
- WWTP PM (Arcadis)
- Outside Utilities and Stakeholders



Allegheny County Sanitary Authority

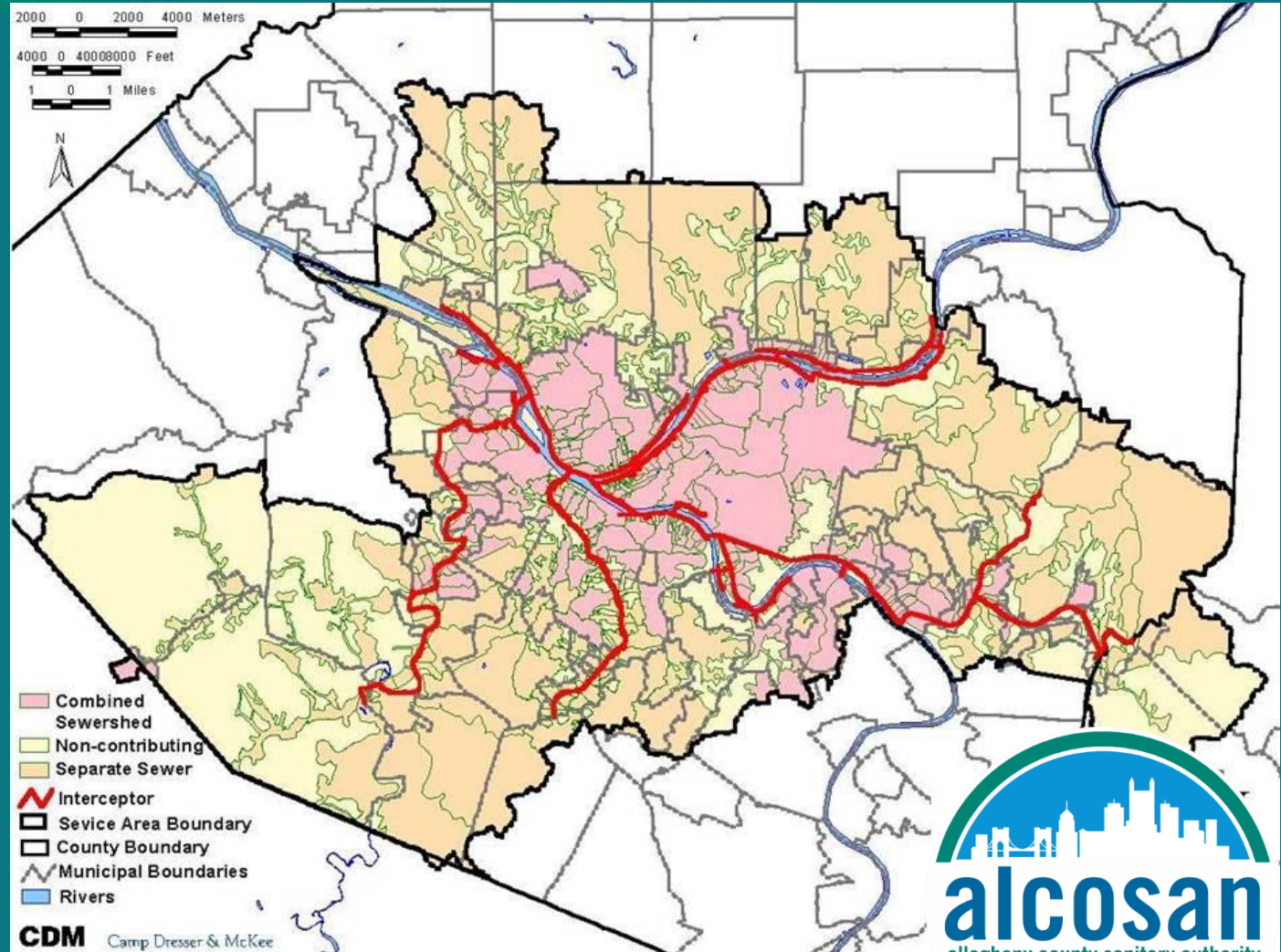


- One 250-MGD WWTP
- 83 Municipalities including the City of Pittsburgh
- Regional collection system
- Modified Consent Decree approved May 15, 2020



Service Area

- Approximately 90 miles of interceptors (shown in red)
- Approximately 20% of the service area has combined sewers (shown in pink)
- 302 Regulators
- Demonstration Approach





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

3/30/21

VIA EMAIL

Arletta Williams
Executive Director
ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233-1092
arletta.williams@alcosan.org

Re: ALCOSAN Preliminary Basis of Design and Proposed Revisions to Interim Measures of the Wet Weather Plan
Modified Consent Decree, Docket No. Civ. No. 2:07-cv-00737

Dear Ms. Williams:

The U.S. Environmental Protection Agency, Region III (“EPA”), and the Pennsylvania Department of Environmental Protection (“PADEP”), in consultation with the Allegheny County Health Department (“ACHD”) (collectively, the “Agencies”), provides this review of ALCOSAN’s Preliminary Basis of Design Report for the Regional Conveyance Facilities of the Interim Wet Weather Plan (“PBOD”), submitted on October 1, 2020, and Proposed Revisions to Interim Measures of the Wet Weather Plan (“Revised IWWP”), submitted on November 12, 2020, with the comments below. The Agencies provide this response in accordance with Paragraph 100 of the Modified Consent Decree, which allows EPA and PADEP to approve or disapprove complete submissions or portions of the submission, and to specify conditions.

Preliminary Basis of Design Report

Pursuant to Appendix Z of the Modified Consent Decree, ALCOSAN submitted the PBOD to the Agencies. The Agencies have reviewed this PBOD and approve it with the following comments:

The PBOD accounts for municipal improvements and future wastewater flow projections to reflect conditions in 2046. This is consistent with the approved Wet Weather Plan and with the requirements of Appendix Z. ALCOSAN is reminded that pursuant to Paragraph 18 of the Modified Consent Decree, it must ultimately, among other things, construct facilities sufficient to capture and treat flows from the Combined Sewer System for at least twenty years after completion of construction of the remedial controls.



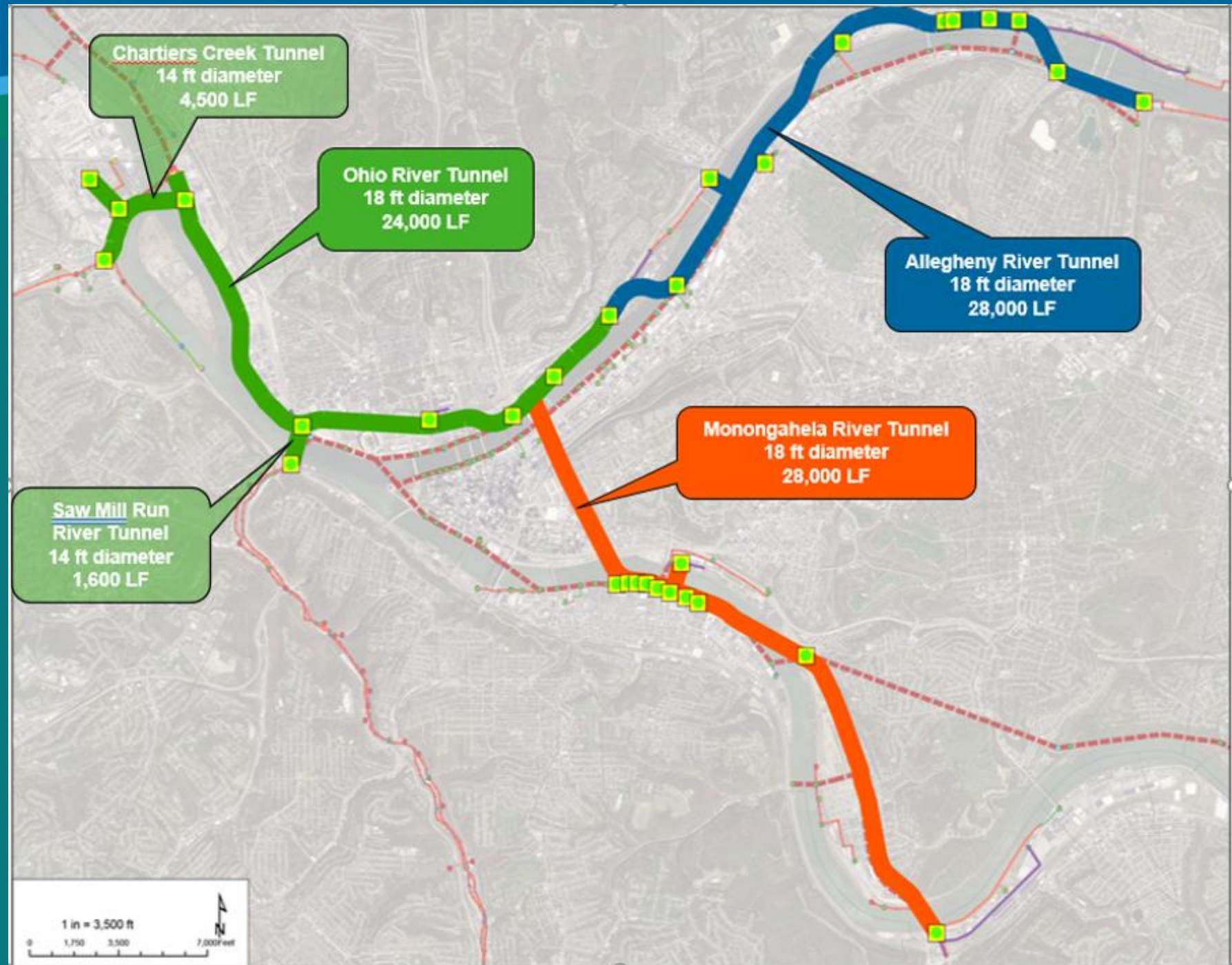
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Customer Service Hotline: 1-800-438-2474*

Preliminary Basis of Design
(PBOD) and Interim Wet
Weather Plan (IWWP)
Revisions
Approved
March 30, 2021



Current Horizontal Alignment

Three main
tunnel
phases





Construction Management Services

- Review and comment on ORT FDC's design products with focus on constructability and biddability
- Participate in value engineering (VE) workshop(s)
- Provide bidding assistance
- Provide administrative support during the construction
- Provide resident inspection
- Review the ORT Critical Path Method Project Schedule. Coordinate review of contractor's schedule submissions and integration into the overall Tunnel Program schedule by the TPMC and update a Critical Path Method Project Schedule.
- Coordinate and document start-up and commissioning activities

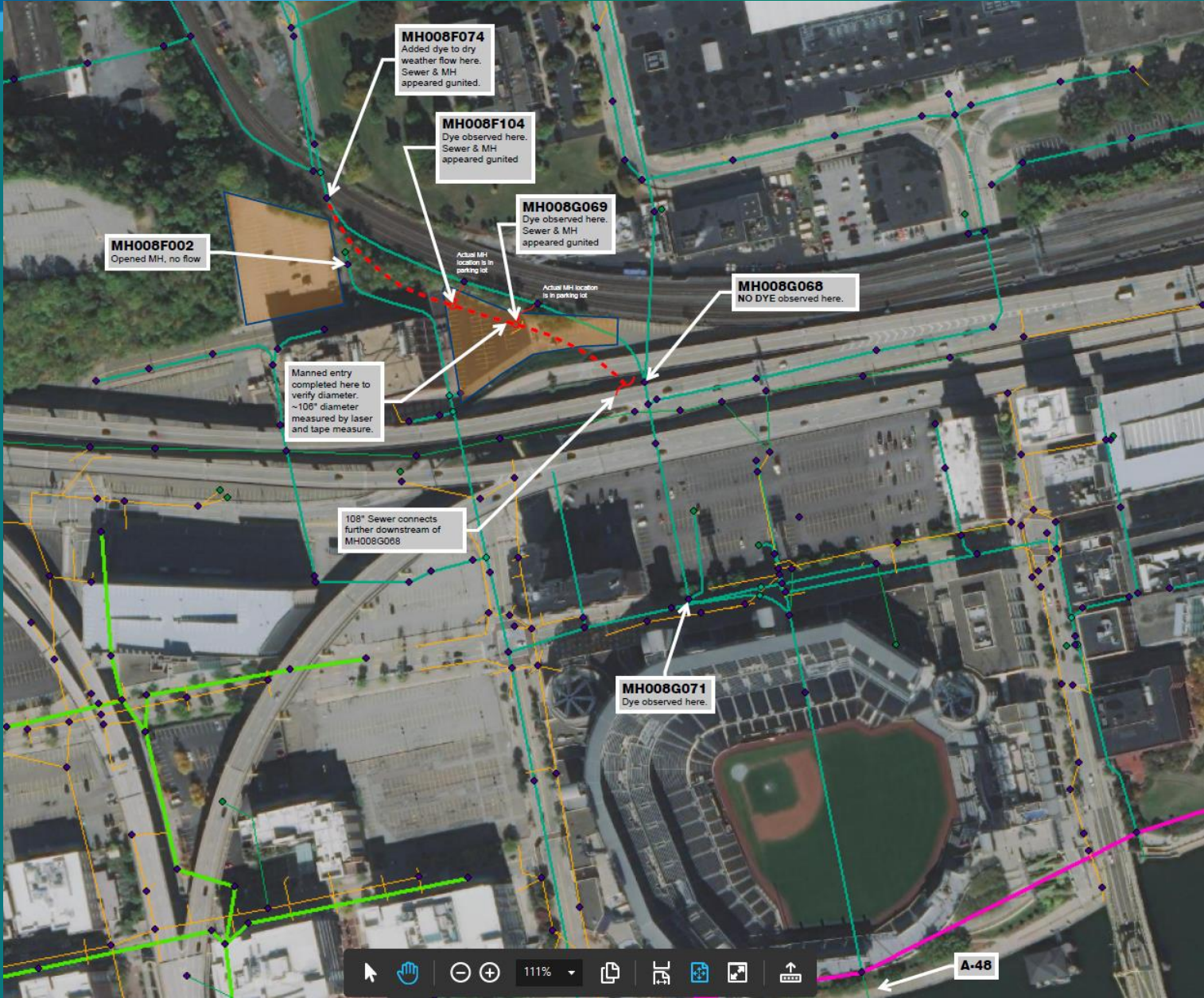


Contract Packaging

- One Main Tunnel and connection tunnels
 - CCT and SMRT
- Six Surface Packages
 - ORT Tunnel Package
 - Package 1: O-06A
 - Package 2: O-40/O-41
 - Package 3: O-14
 - Package 4: A-48
 - Package 5: A-60
 - Package 6: A-62

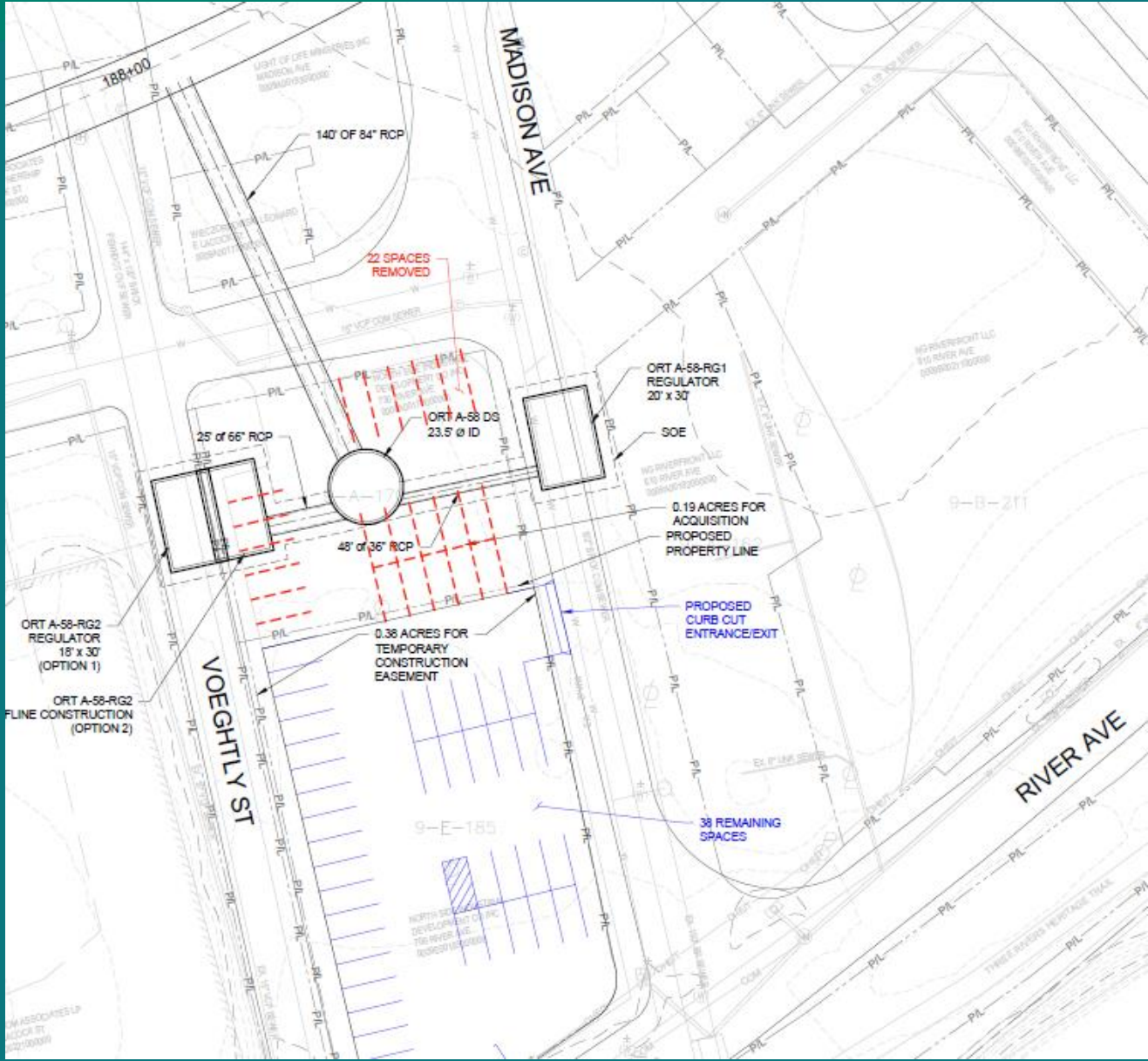


Near Surface Facilities A-48 near PNC Park



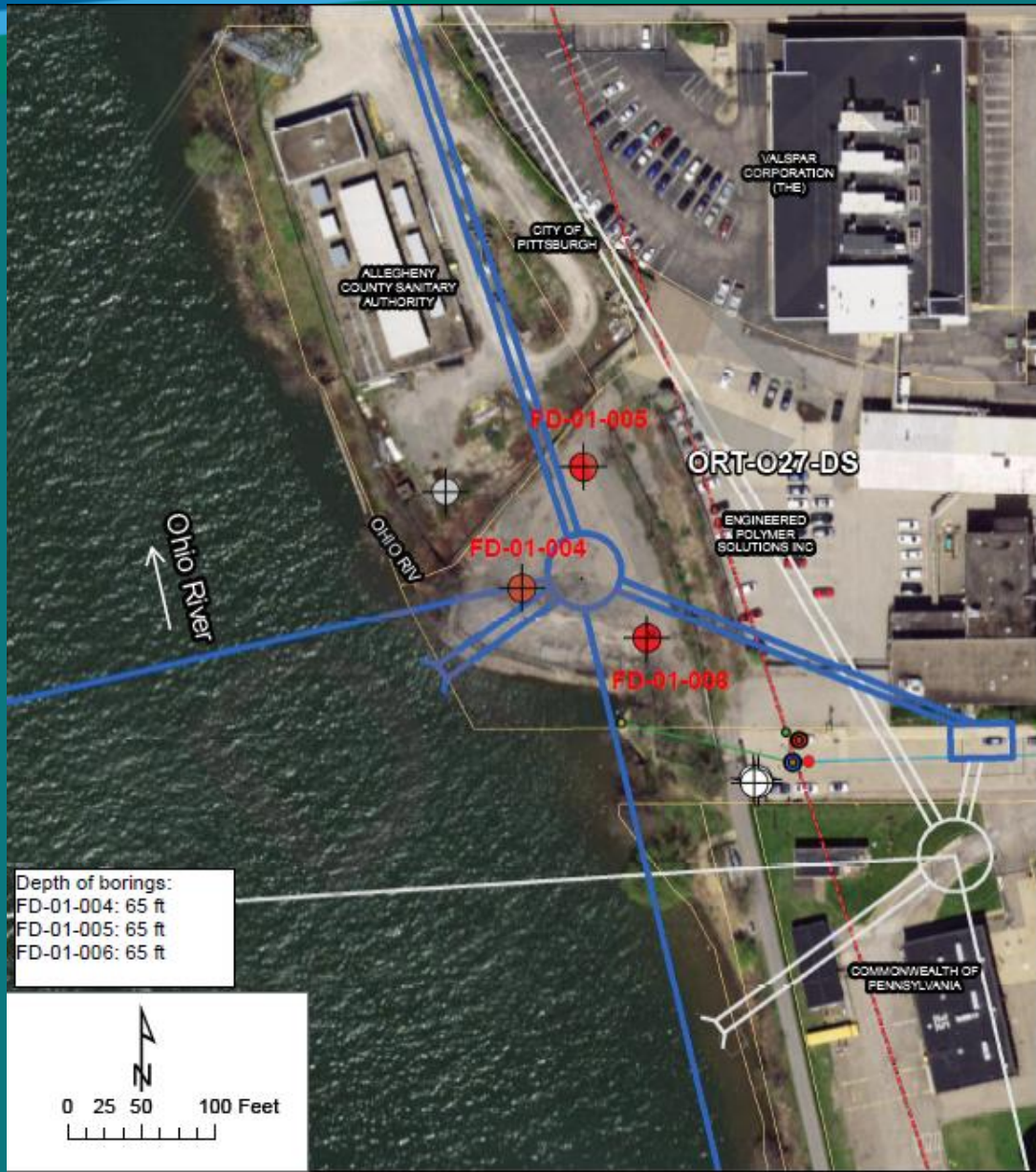


Near Surface Facilities A-58 and 009E001 near Veterans Bridge

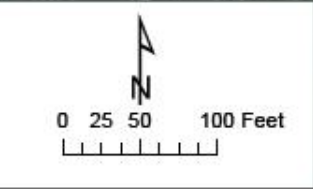




O-27 near Westhall Street



Depth of borings:
 FD-01-004: 65 ft
 FD-01-005: 65 ft
 FD-01-006: 65 ft



Legend

- Proposed Borehole Phase I
- Proposed Borehole Phase I (Monitoring Wells)
- Existing Boring-PP-Phase I
- Existing Boring-PP-Phase II

FDC Proposed

- Proposed Alignment
- PBODR Alignment
- PBODR Proposal Structures

Existing

Sewer

- Drop Shaft
- Manhole
- Outlet
- Regulator

Manholes

- Plant Side MH
- River Side MH

Pipes

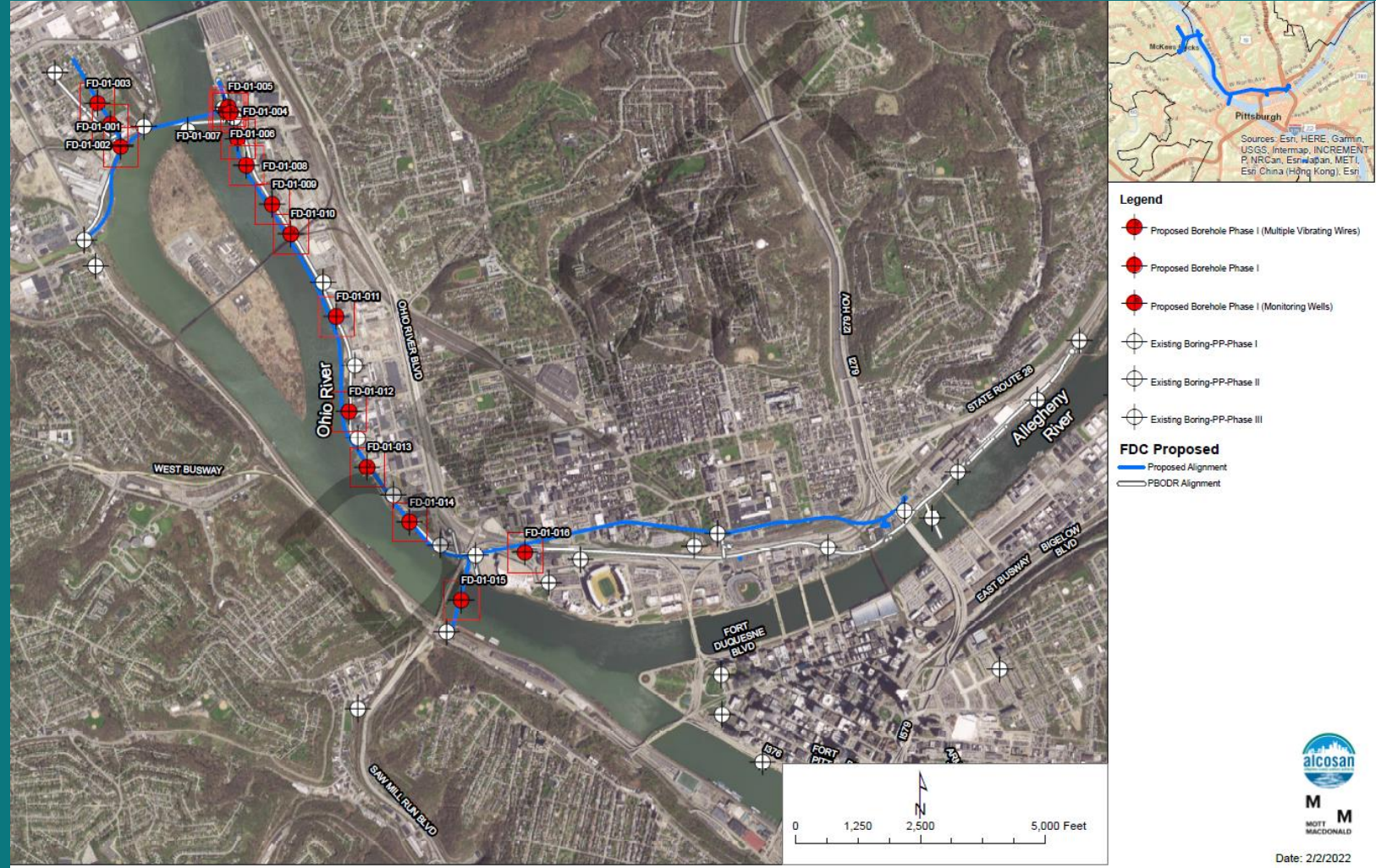
- Collector Pipe
- Deep Tunnel Interceptor
- Overflow Pipe
- Parcels
- Allegheny County Major Rivers



Date: 2/2/2022

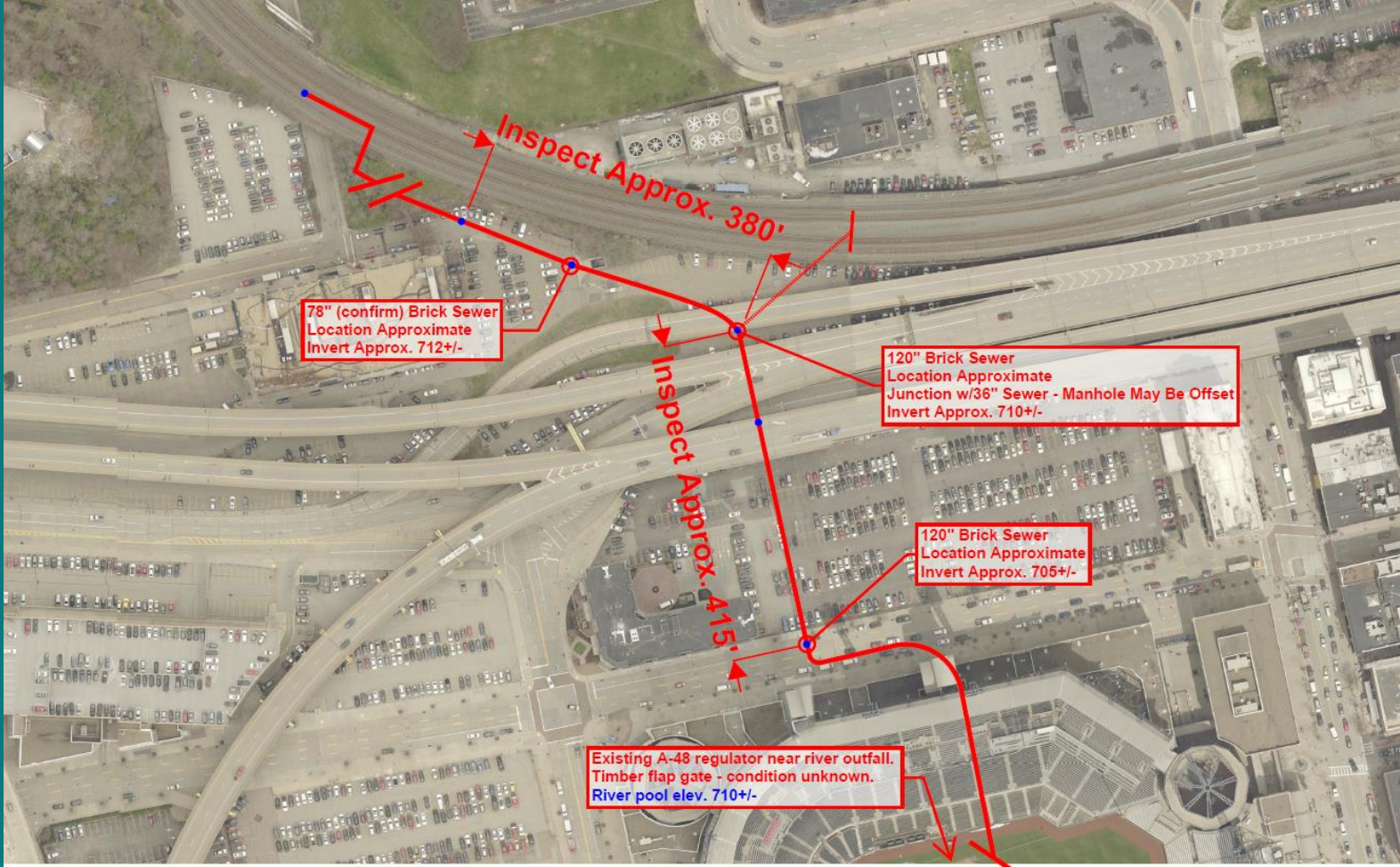


Boring Program Phase 5 Being initiated





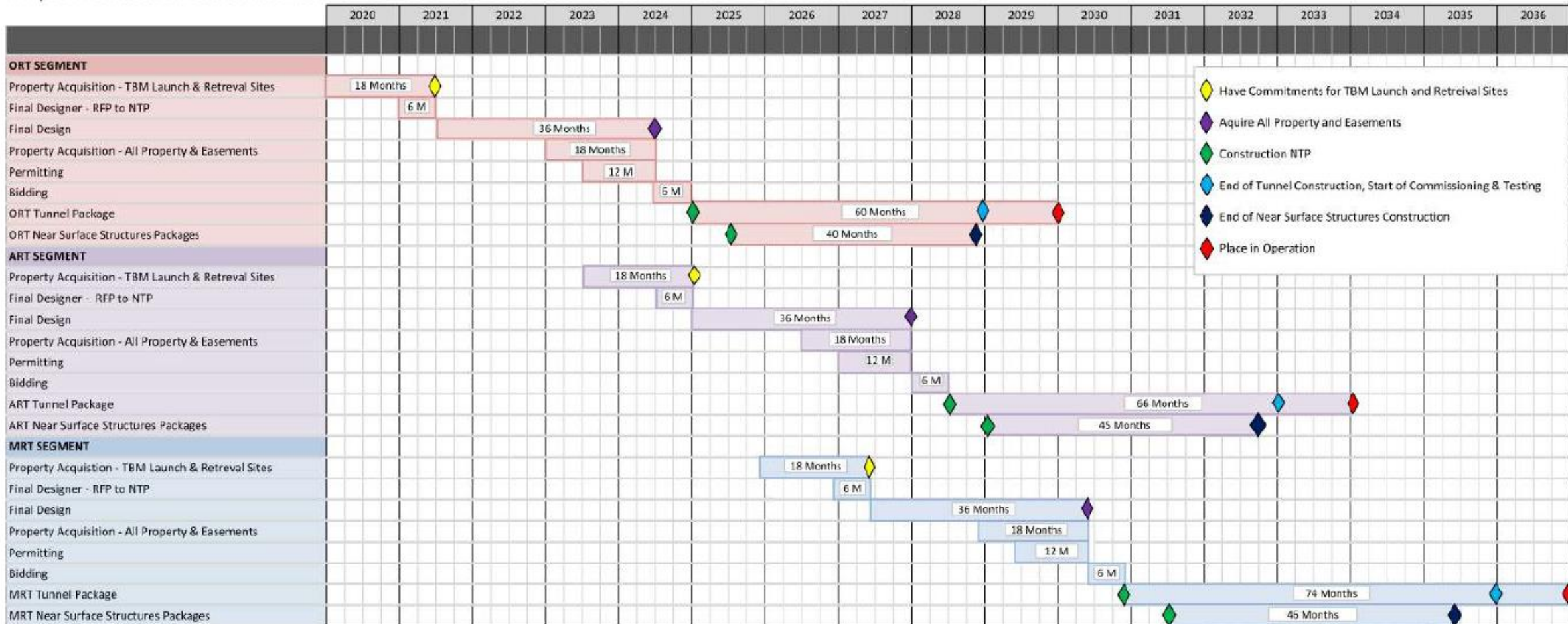
Near Surface Facilities A-48 near PNC Park CCTV efforts underway





Implementation Schedule

Implementation Schedule and Cash Flow for ALCOSAN's Interim Wet Weather Plan





Key Schedule Considerations

- Complex project requiring careful development of an integrated design, procurement and construction schedule
- A detailed Work Breakdown Structure (WBS) is required
- The WBS would include (but not limited to) systemwide components, design, procurement, construction, commissioning and integrated operations with other parts of the IWWP (particularly the WWPS and WWTP)
- Use of Primavera P6 required



ORT CM Services Procurement Schedule

May 6, 2022	RFQ Submittal Deadline
Week of June 13, 2022	Shortlist
Week of June 20, 2022	Distribute RFP
Week of June 27, 2022	Notify Unsuccessful Firms
Week of August 1, 2022	Submit Proposals
Week of August 22, 2022	Interviews
September 22, 2022	Consultant Selection
October/November 2022	Award Service Authorization
January 1, 2025	Construction Begins
December 31, 2029	Start of Operation



Questions/Comments