Anchorage Port Modernization Project

North Extension Stabilization Step 1
Progressive Design Build Industry Outreach

August 4, 2016

PORT of ANCHORAGE

AGENDA

1. Introduction of Project Team
2. Purpose of Meeting
3. APMP Phasing
4. APMP Phase 1 Funding & Permitting
5. NES Step 1 Project Description
6. NES Step 1 Status to Date
   - Engineering & Surveying
   - Environmental
   - Geotechnical
7. Progressive Design Build (PD/B) Procurement for the NES Step 1
   - Why PD/B for NES Step 1?
   - Overview of PD/B
   - Procurement Step 1
   - Procurement Step 2
   - Procurement Schedule
   - Pre-RFP Site Visit
8. Questions

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PURPOSE OF MEETING

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- Advance notice of upcoming procurement to facilitate fast track schedule
- Provide overview of the APMP and the NES Step 1
- Describe planned delivery method for NES Step 1
- Seek Industry Feedback

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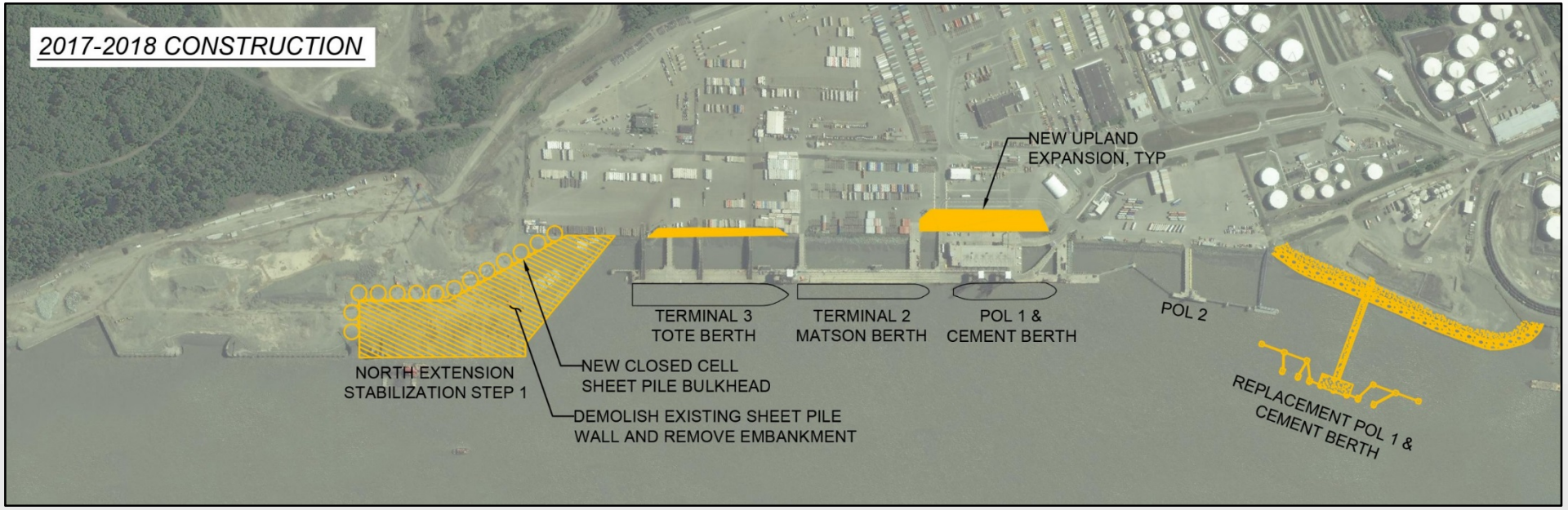
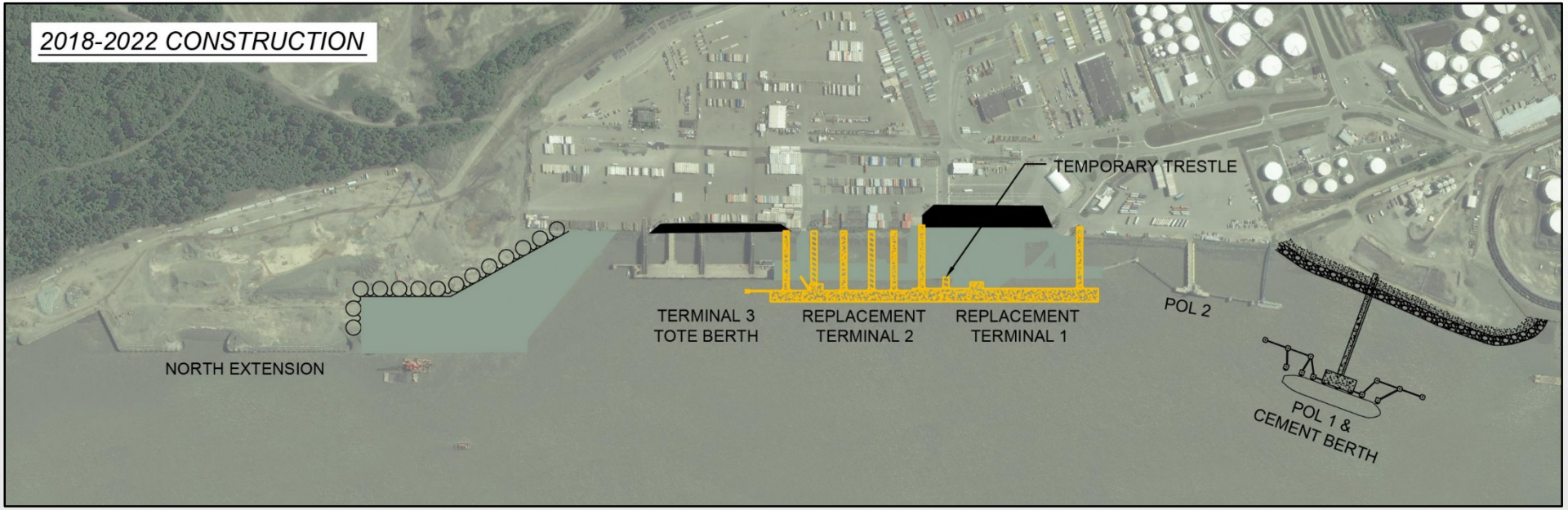
APMP OVERVIEW

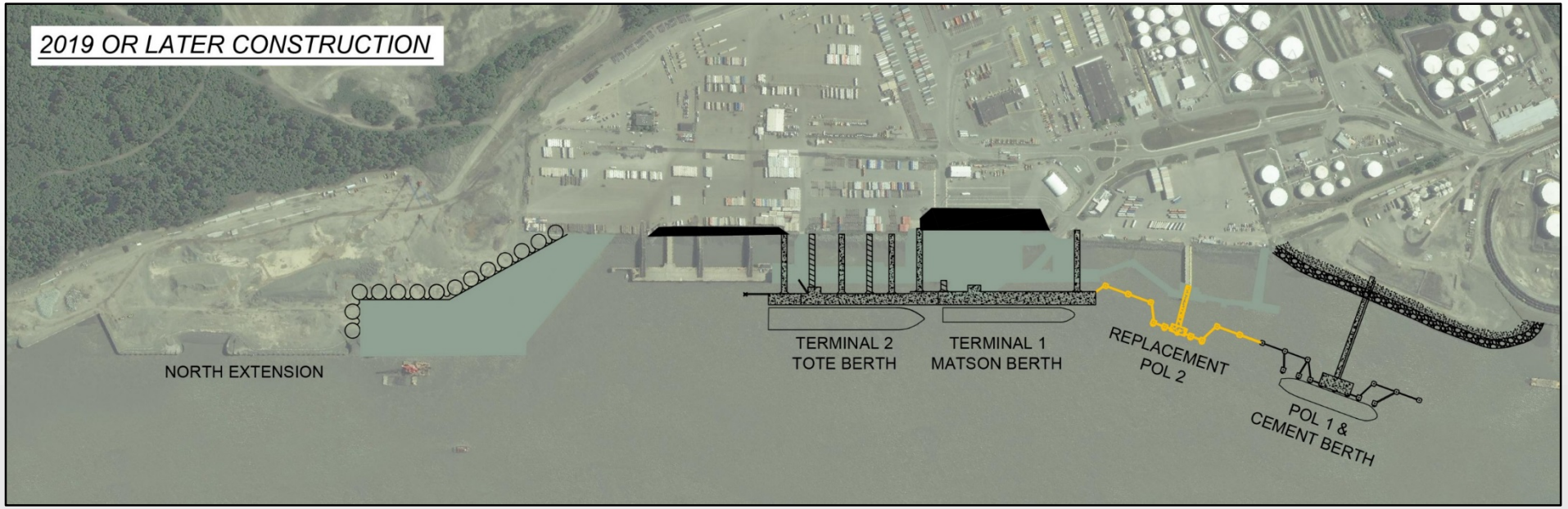
APMP PHASE 1: NORTH EXTENSION STABILIZATION STEP 1 + PETROLEUM/CEMENT TERMINAL



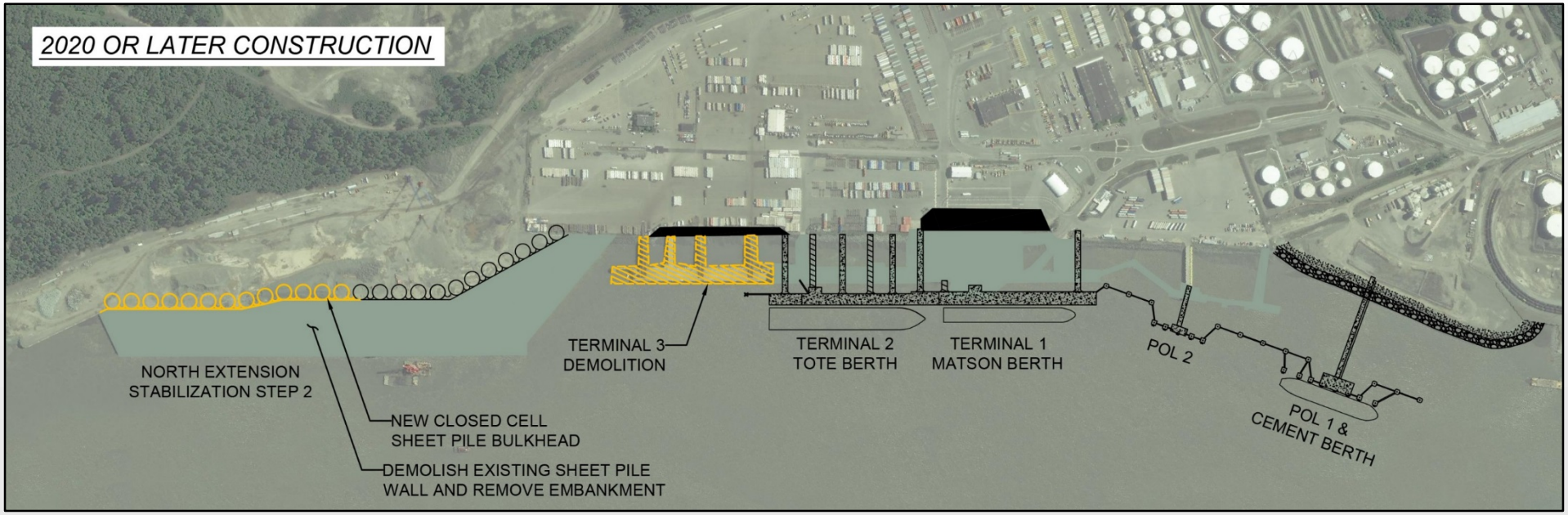
APMP PHASE 2: TERMINAL 1 + TERMINAL 2



APMP PHASE 3: PETROLEUM TERMINAL



APMP PHASE 4 + 5: NORTH EXTENSION STABILIZATION STEP 2 & T3 DEMO



APMP Phase 1 Funding and Permitting

- Full funding is available for Phase 1
- Permitting
  - 2017 Landside Construction
    - Section 408 Permit Application has been submitted
  - 2018 Waterside Construction
    - Section 10/404 Permit Application to be submitted in Spring 2017
    - Incidental Harassment Authorization Permit Application to be submitted Spring 2017
  - PD/B Team integration with permitting anticipated
  - Potential need to modify permit applications as design develops

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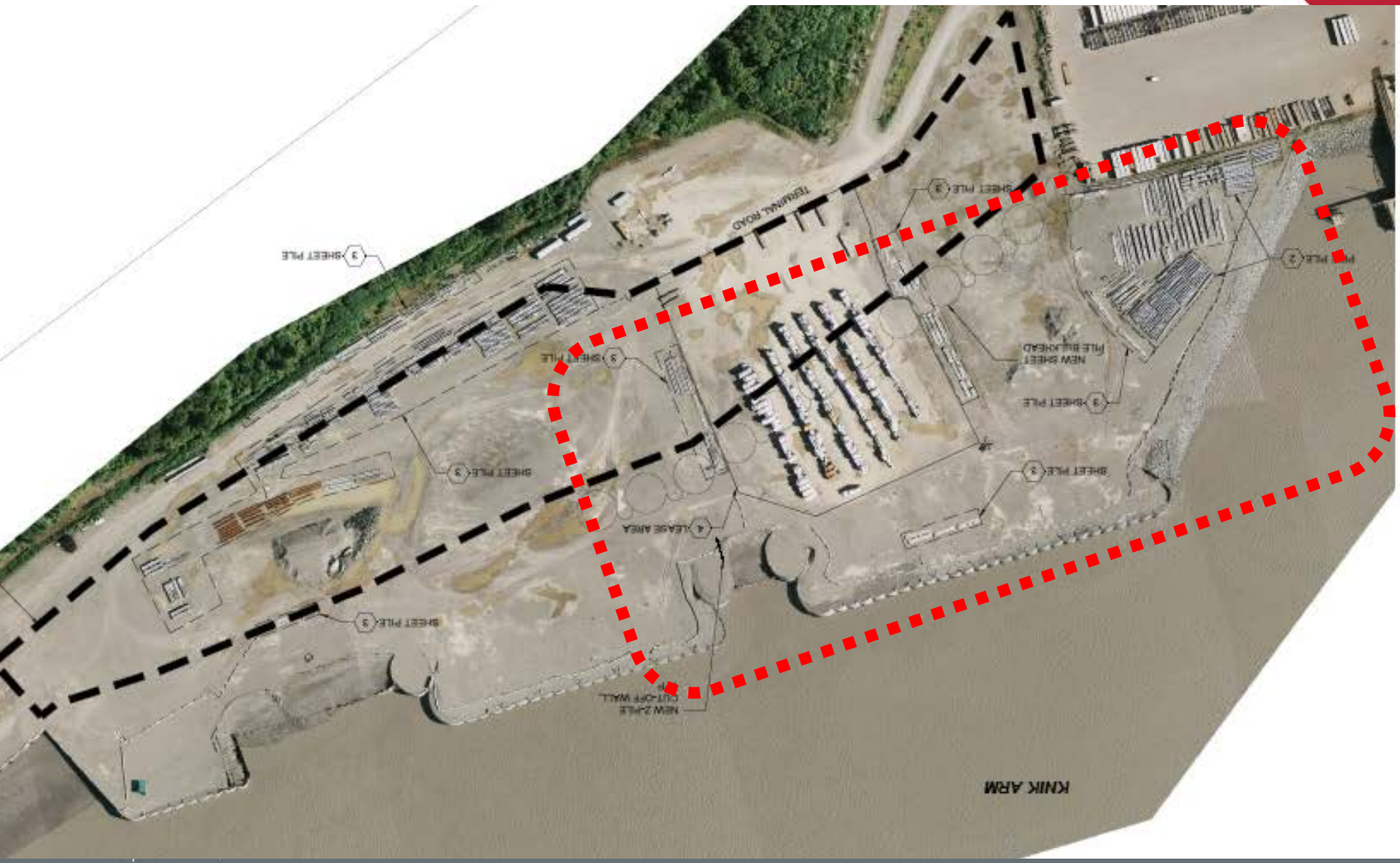
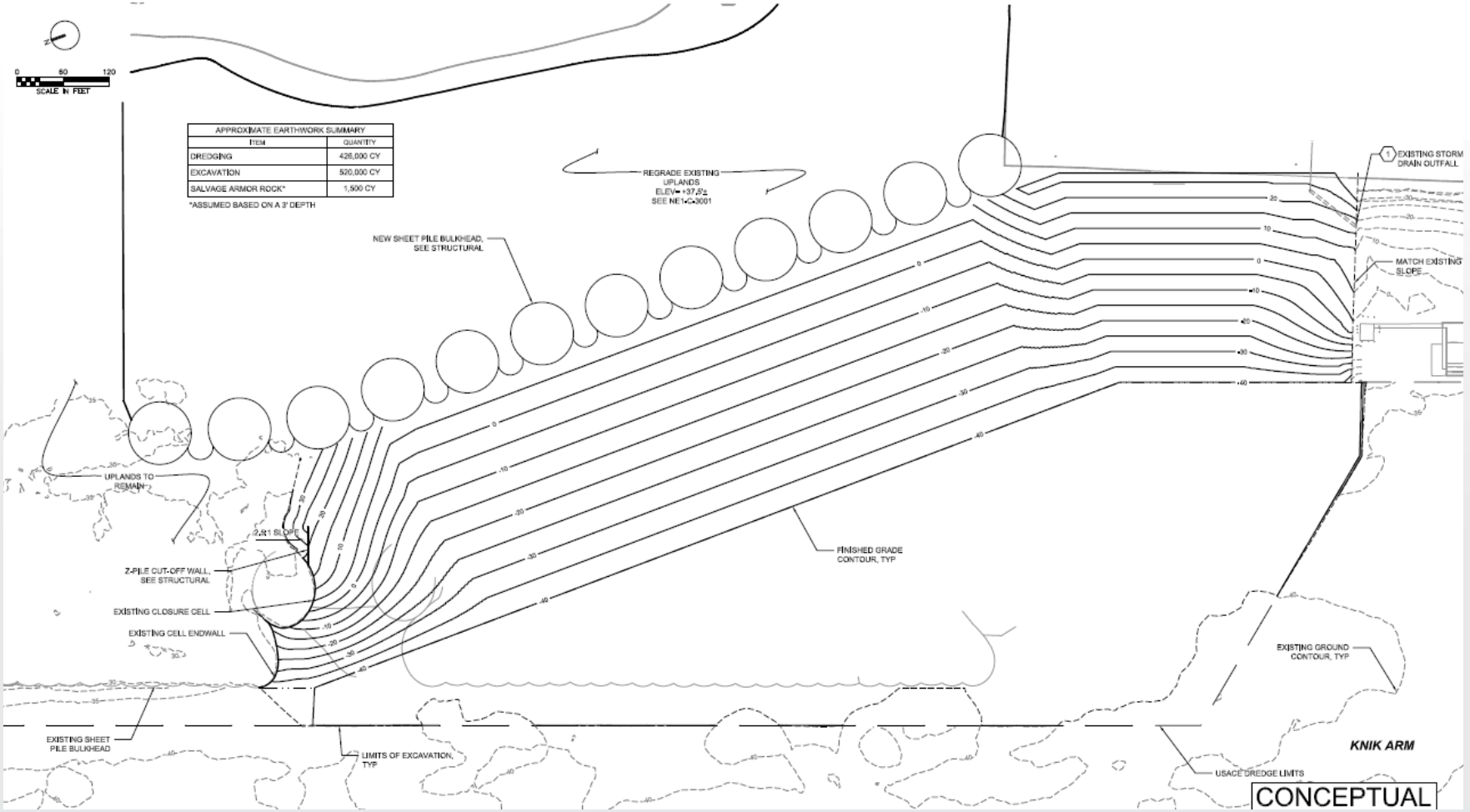
APMP PHASE 1 NES PROJECT DESCRIPTION

PROJECT LOCATION & STAGING AREA



APMP PHASE 1 - NES CONSTRUCTION



CONCEPT PLAN CONSTRUCTION

Assumed first year of construction:

- Install 1150 LF of new Cellular Sheet Pile Bulkhead
  - Length of sheets for new bulkhead is approx. 60’
  - Height of exposed face is approx. 30’
- Diameter of new Cellular Sheet Pile Bulkhead ~ 80’
  - Number of Cellular Sheet Pile Cells = 12
- Stockpiled excess sheetpile from PIEP available for use by PD/B Team
- Install up to 500 LF of new cut-off Z-Pile Wall (or rock revetment)
- Grade Existing Uplands for positive drainage

Concept Plan Demolition

Assumed second year of construction:

- Excavation ~ 700,000 CY
- Dredging ~ 600,000 CY
- Maintain existing Bathymetry outside of Project Limits
- Material Disposal Options
- Salvage Armor Rock (for reuse as slope protection) = 1,500 CY
  - Salvage Riprap = 9,100 CY
  - Salvage and Stockpile Excavated Material (for Upland Expansions) = 35,000 CY
- Remove Open Cell Sheet Pile Wall (face length) = 800 LF
  - Remove Z-Pile Wall Structures = 250 LF
  - Number of Open Cells Removed = ~ 30

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APMP PHASE 1 NES STATUS TO DATE

Project Status to Date

- Engineering & Surveying
  - Topographic and Control Survey available
  - 15-percent Concept Plans available
- Environmental
  - Limited information – expect PD/B Team action
  - Permit applications under initial development – expect PD/B Team integration
- Geotechnical
  - Large inventory of legacy data
  - Limited information along bulkhead concept alignment – expect PD/B Team action

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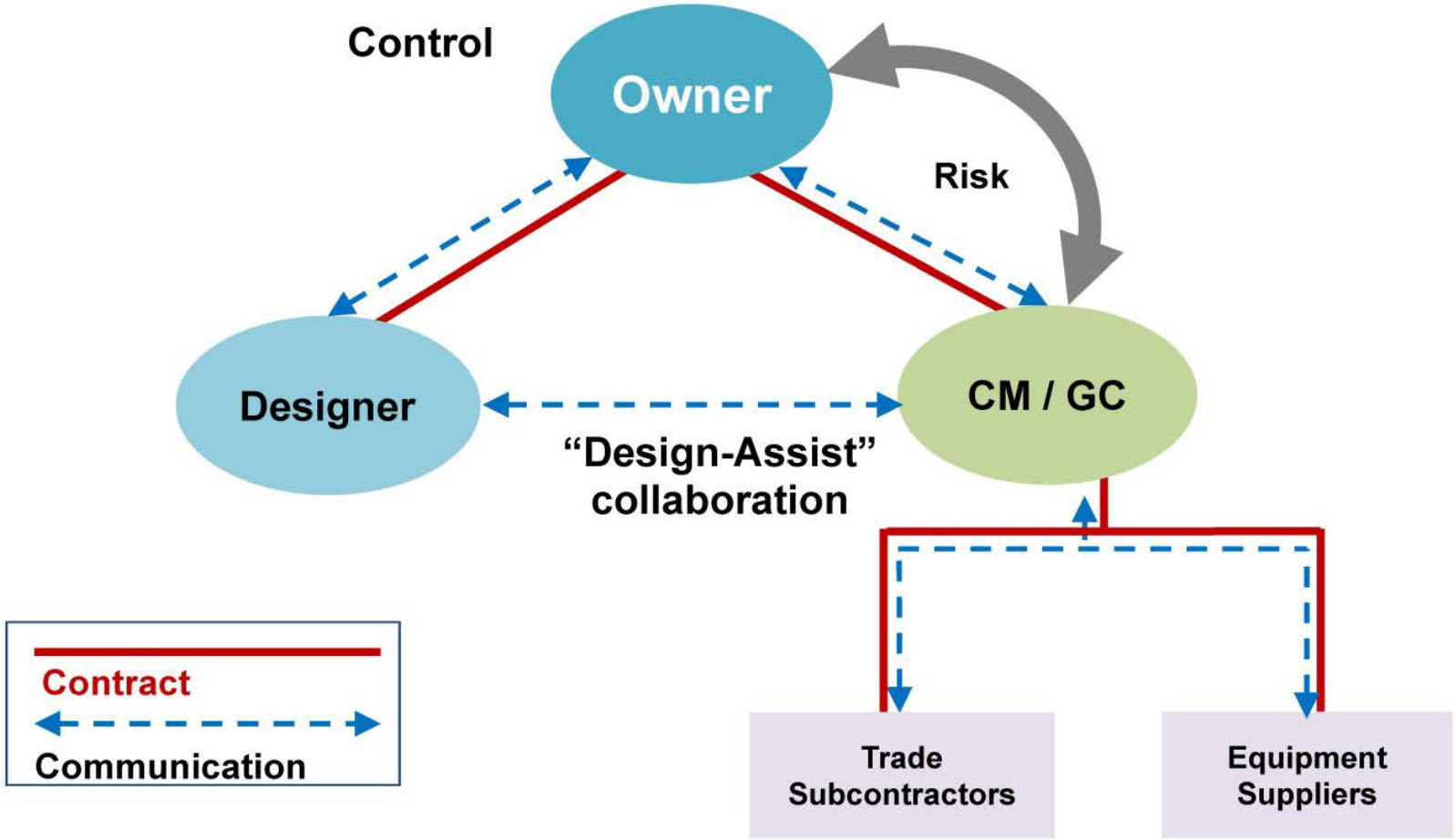
PROGRESSIVE DESIGN BUILD (PD/B) PROCUREMENT FOR THE APMP PHASE 1 NES CONSTRUCTION

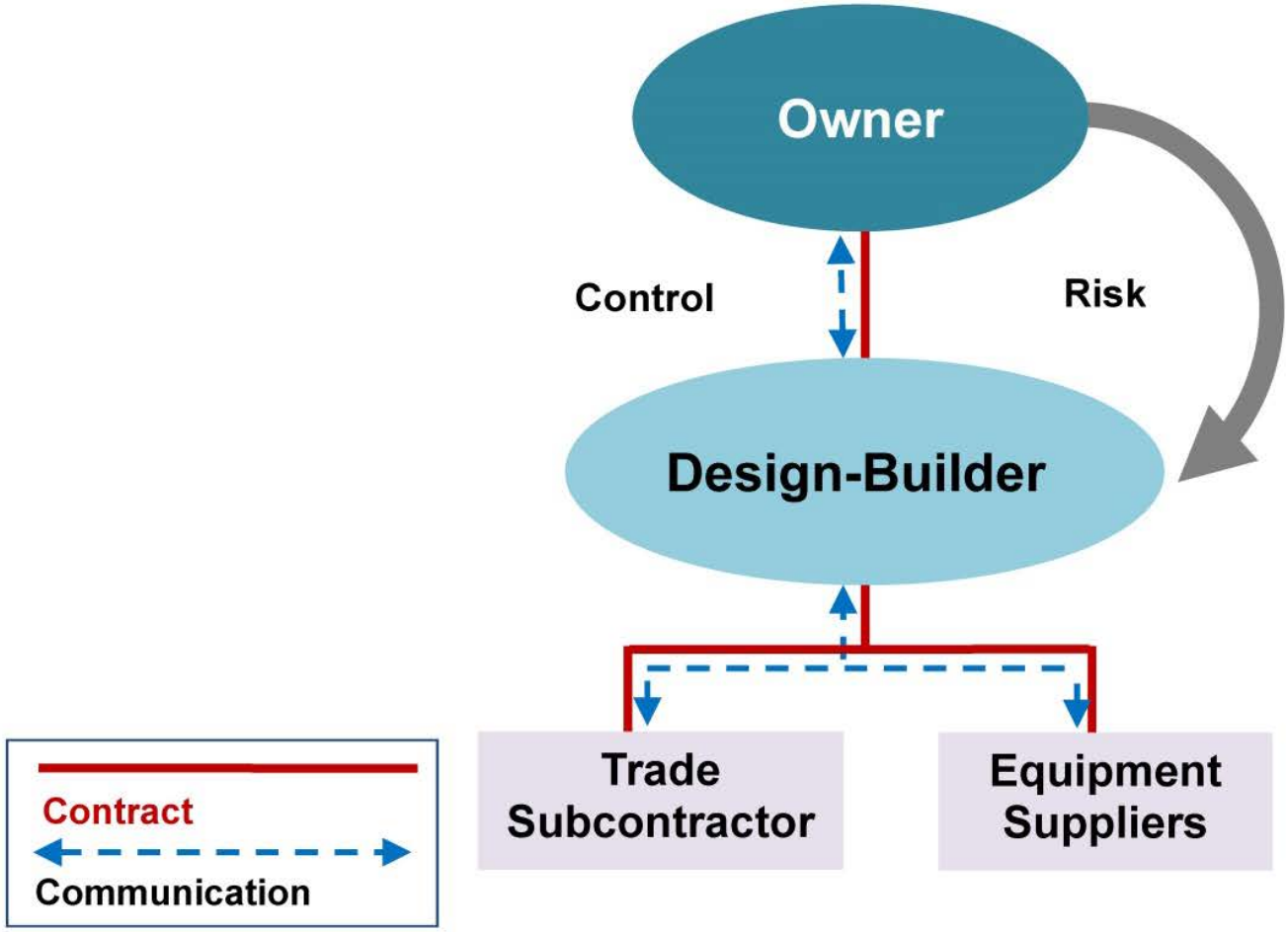
Why Progressive Design Build?

- Allocate the risk to the parties most capable of managing the risk
- Risk Management Process through advancement of design
- Allows selection of fully qualified teams
- Fully integrated team between Designer and Constructor
- Forms a positive collaborative team with the Owner, Designer and Constructor
- Ability to arrive at Guaranteed Maximum Price (GMP)

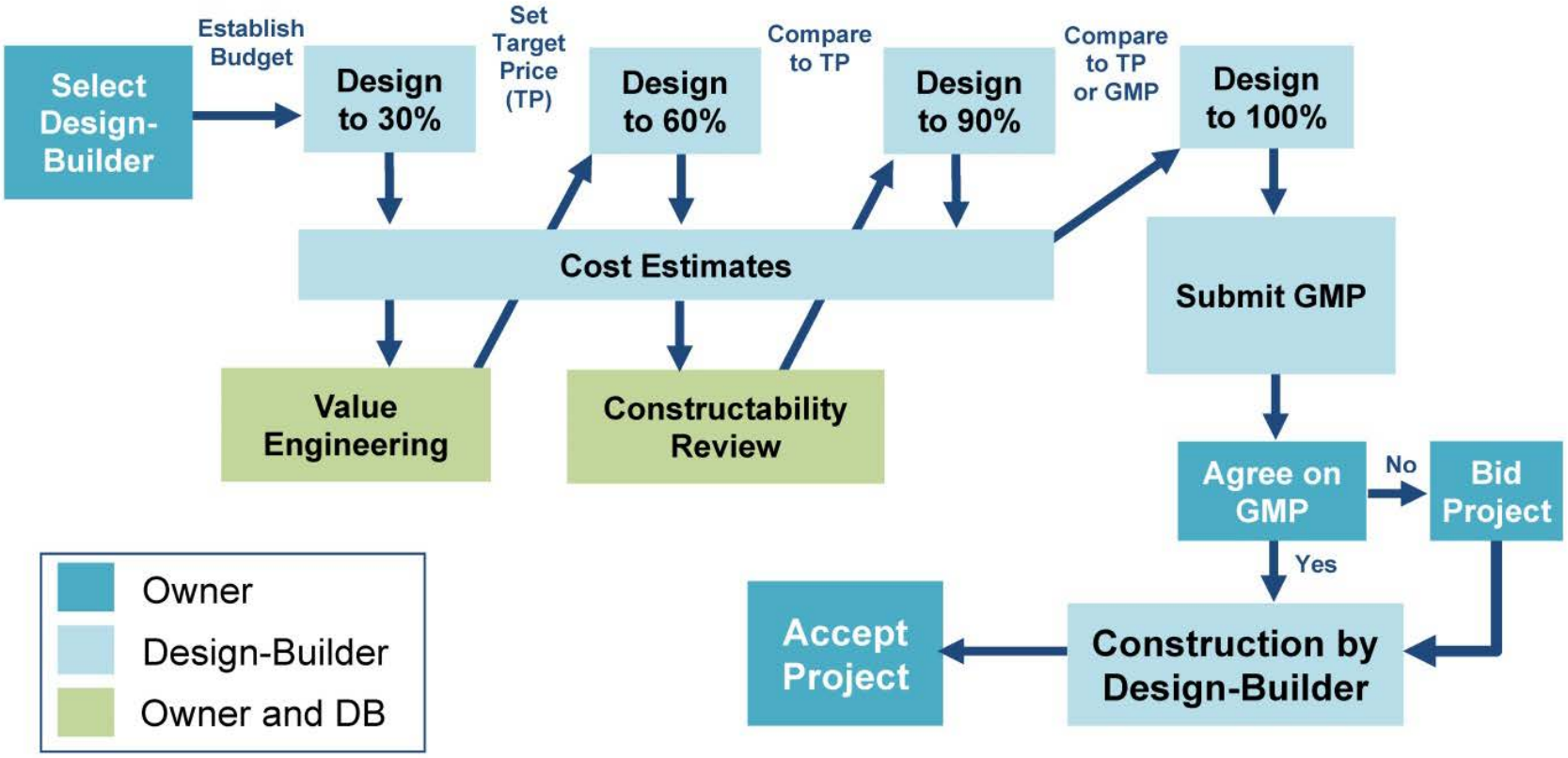
CM/CG


Control
Owner
Risk
Designer
CM / GC
"Design-Assist" collaboration
Contract
Communication
Trade Subcontractors
Equipment Suppliers

PROGRESSIVE DESIGN-BUILD



PROGRESSIVE DESIGN-BUILD APPROACH



PROCUREMENT STEP 1

- Request for Proposals & Short Listing
  - Selection based upon qualifications, experience, methodology and approach
    - Qualifications of the firm and key personnel
  - Short listing similar to a professional services selection
  - Short listed proposers will be notified and will advance to Step 2

PROCUREMENT STEP 2

Best Value Evaluation

- Second Proposal developed for detailed description of project approach with respect to addressing risks and technical challenges
- Possible interview for Short Listed Progressive Design Build Teams
- Cost Component for Best Value Selection
  - Based upon Overhead Rates and Fee
- Scoring anticipated to be approximately:
  - 20% to 30% Costs
  - 70% to 80% Technical

Procurement Schedule

- RFP Release – October 2016
- Step 1 Proposal Due – November 2016 (30-days following RFP Release)
  - Qualifications
  - Experience
  - Methodology & Approach
- Short List Notification – Mid December 2016
- Step 2 Proposal Due – January 2017
  - Execution Strategy
  - Cost Component (Fee & Overhead)
- Project Interviews (Optional) - January 2017
- Award – February 2017

Pre-RFP Site Visit

- Week of September 19th
- Optional but encouraged
- Site familiarization prior to snow fall
- More information to be made available on the MOA Purchasing and Port websites

QUESTIONS?

Thank You!

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