

Prevention First 2012

WesPac Pittsburg Marine Terminal

Art Diefenbach

WesPac Energy Group, Irvine, CA

Jack Gerwick

Ben C. Gerwick, Inc. | COWI North America
Ports and Terminals, Oakland, CA

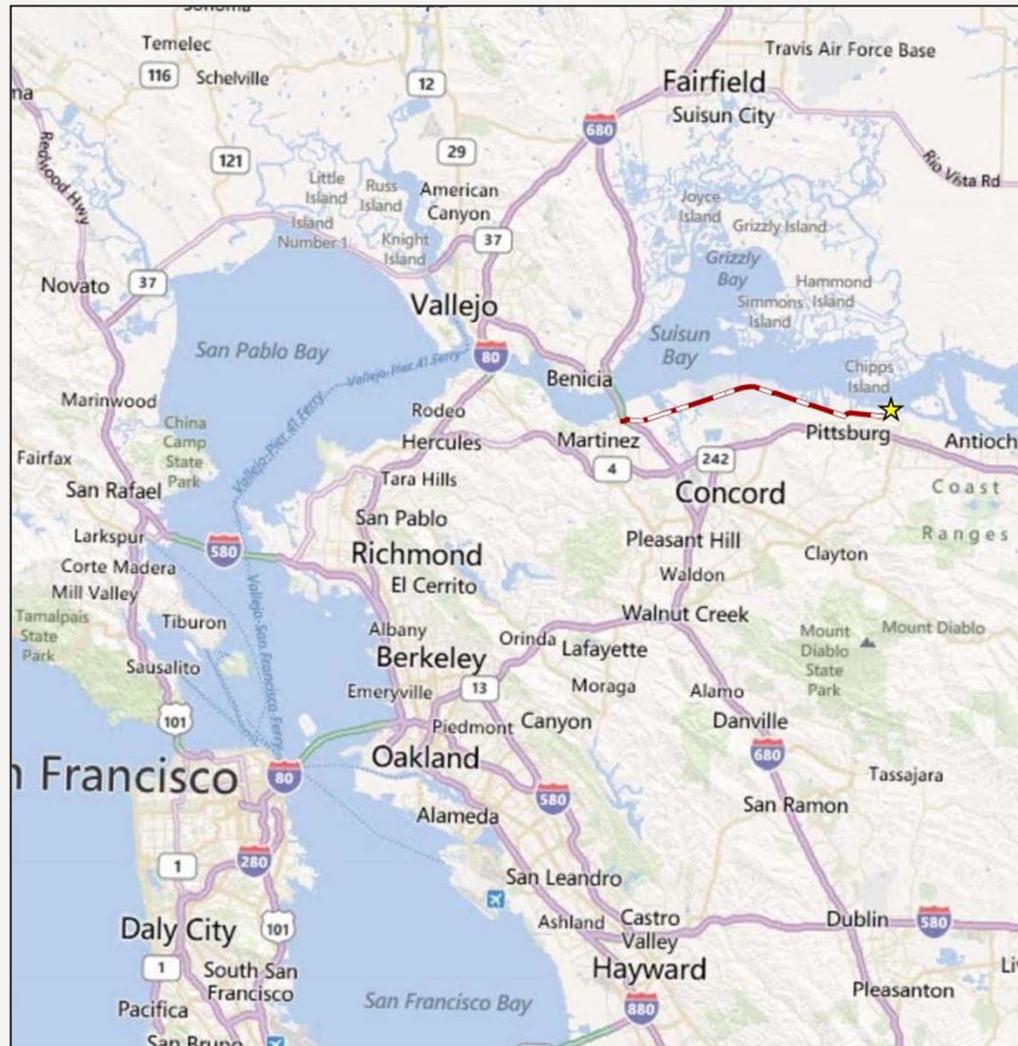


Project Participants

- > WesPac Energy–Pittsburg LLC
 - > WesPac Energy LLC
 - > Oiltanking Holding Americas, Inc.

- > Other Key Participants
 - > GenOn – Power Plant Owner
 - > City of Pittsburg – Lead Agency
 - > Ben C. Gerwick, Inc. – Marine Structural Engineer
 - > SPEC Services – Mechanical, Electrical, and Piping Engineer
 - > TRC Solutions – Environmental Consultant
 - > E2 ManageTech – Environmental Consultant

WesPac Pittsburg Marine Terminal
Project Location



Site Background

- › PG&E constructed the power plant in the 1950's to run on fuel oil or natural gas
- › From 1973 to 1982, fuel oil was primary energy source, which led to tank farm and marine terminal expansion
- › Subsequently, the fuel oil facilities were idled and the plant currently uses only natural gas
- › Fuel oil infrastructure includes the Marine Terminal, Storage Terminal and pipelines



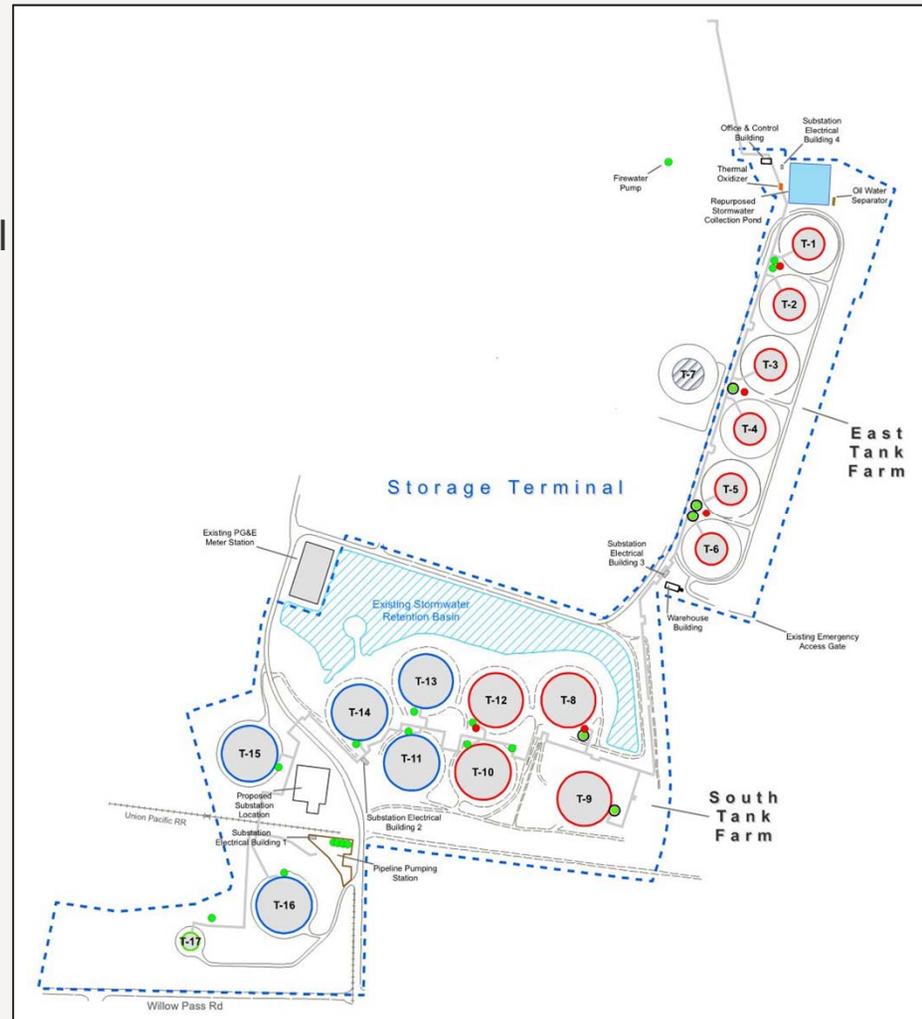
WesPac Pittsburg Marine Terminal
Proposed Project

- › WesPac is reactivating the Marine Terminal and Storage Terminal to provide crude oil unloading and storage
- › Project is needed to fill growing need for additional crude oil imports as California production declines.
- › Key project components include:
 - › Marine Terminal retrofit/replacement
 - › Modernization of tanks
 - › Replace/upgrade equipment
 - › Construct new pipeline to connect to existing pipeline



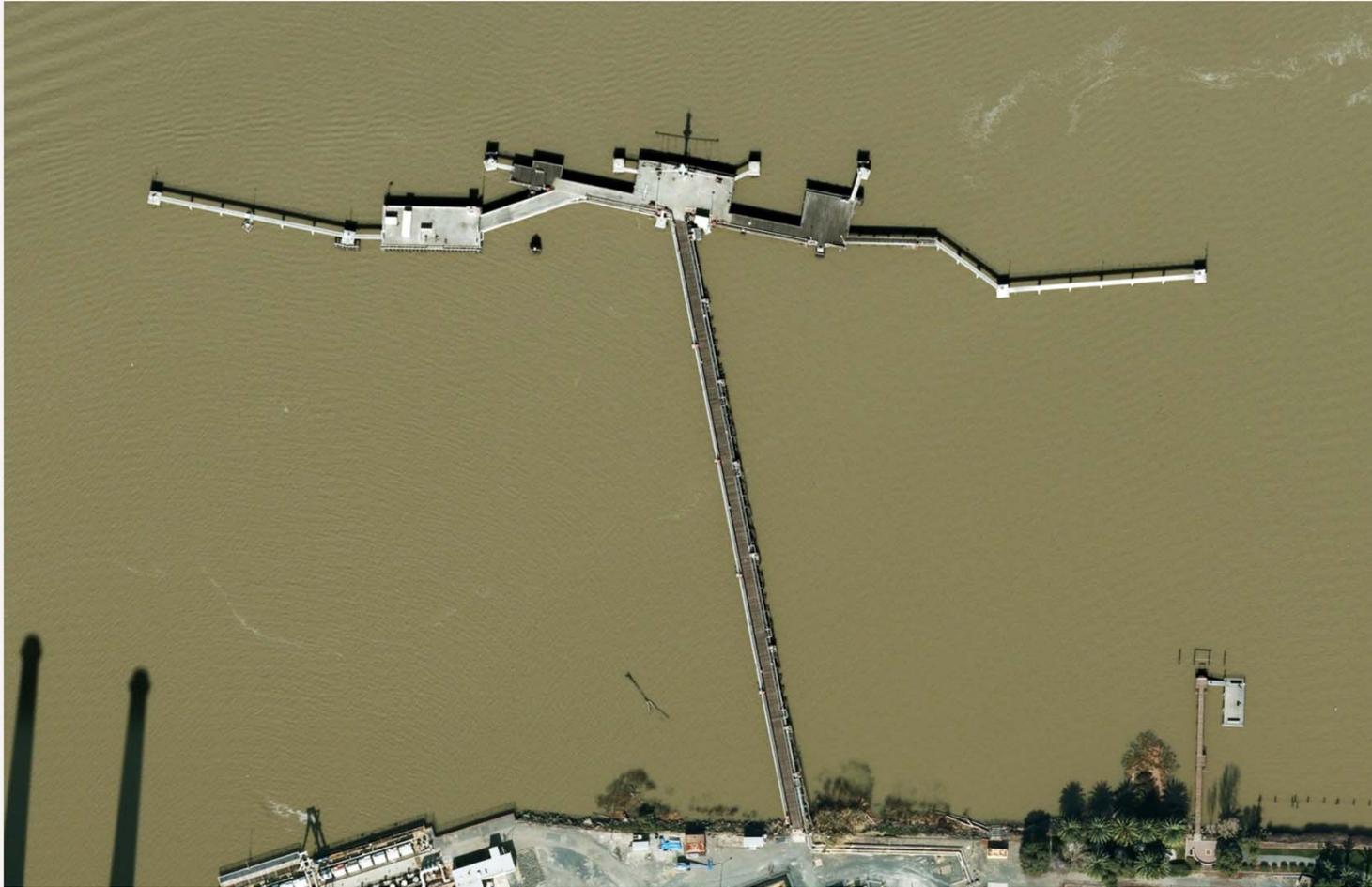
On Shore Improvements – Storage Terminal

- › New tank bottoms and internal floating roofs
- › Replace all electrical and mechanical equipment
- › New and retrofitted header lines
- › Connections to KLM and San Pablo Bay Pipelines
- › New control building & warehouse
- › Stormwater & fire protection improvement
- › Rail Unloading Facility



WesPac Pittsburg Marine Terminal

Existing Marine Terminal



Assessment of Existing Structures

> Key Considerations

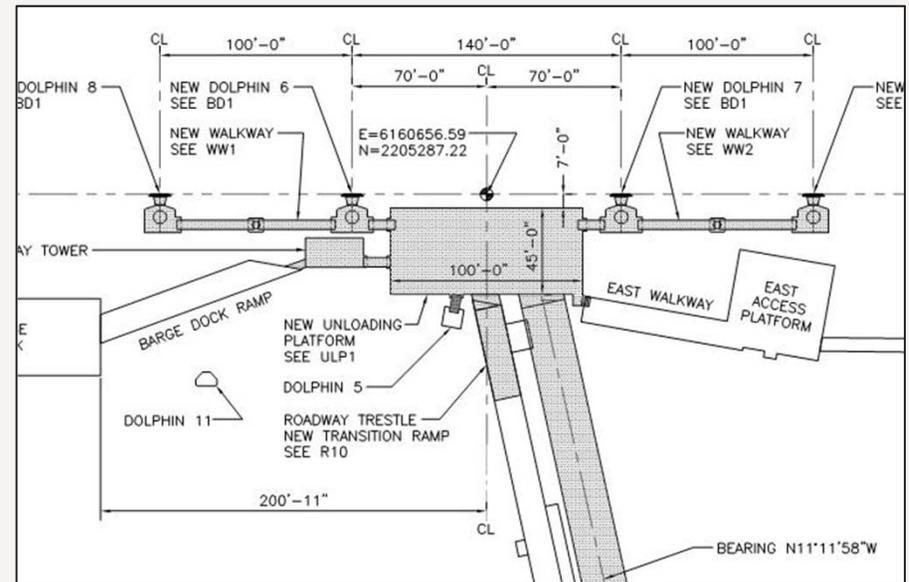
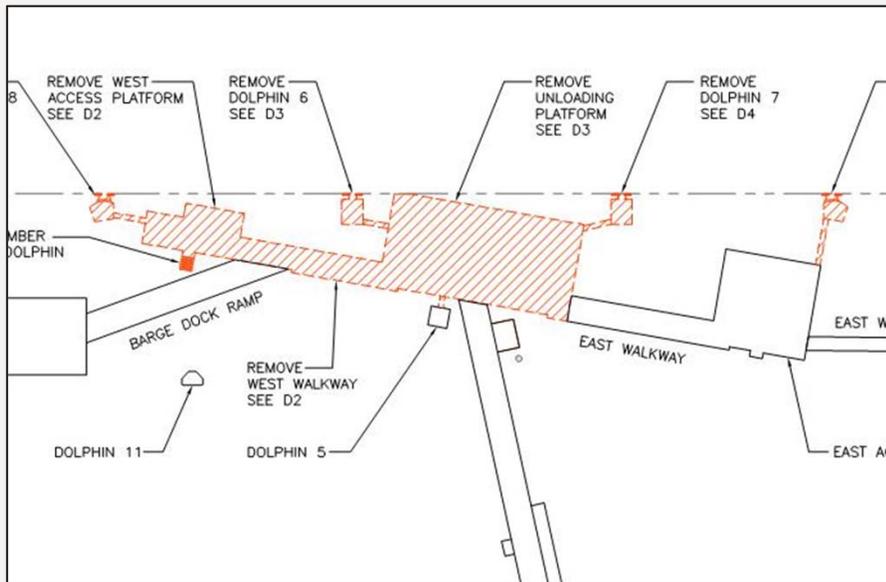
- > Compliance with MOTEMS Requirements
- > Compatibility with WesPac Operational Requirements
- > Regulatory Implications

> Steps Performed

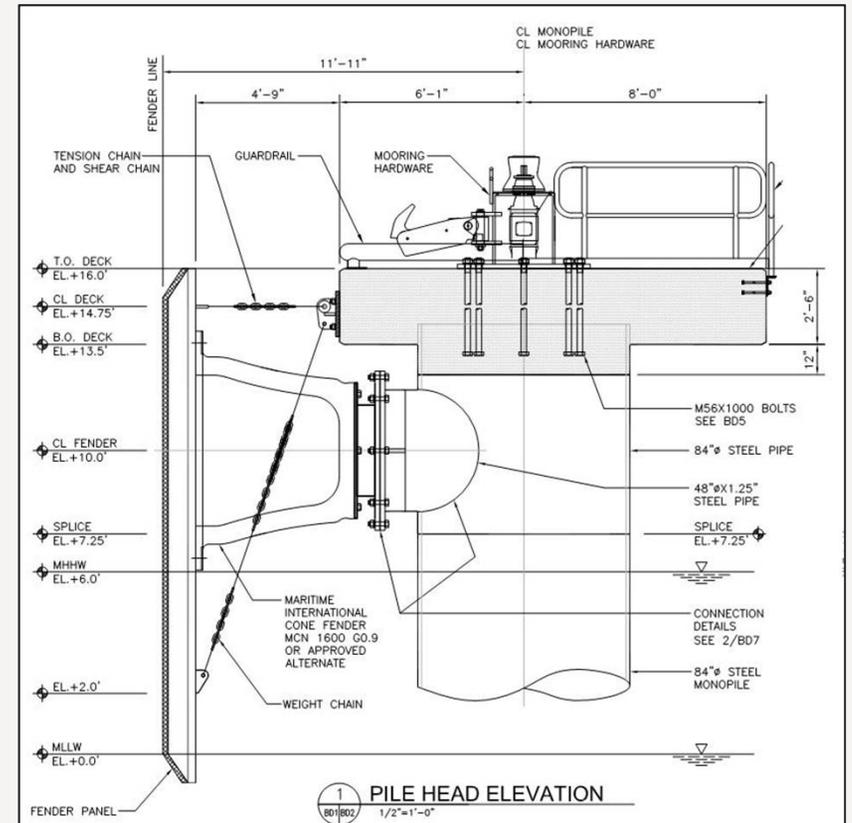
- > Above and Below Water Investigation
- > Geotechnical Investigation
- > Navigation Study
- > Operational Needs Assessment
- > Preliminary Suitability Determination
- > Developed a Path Forward for Each Structure

WesPac Pittsburg Marine Terminal

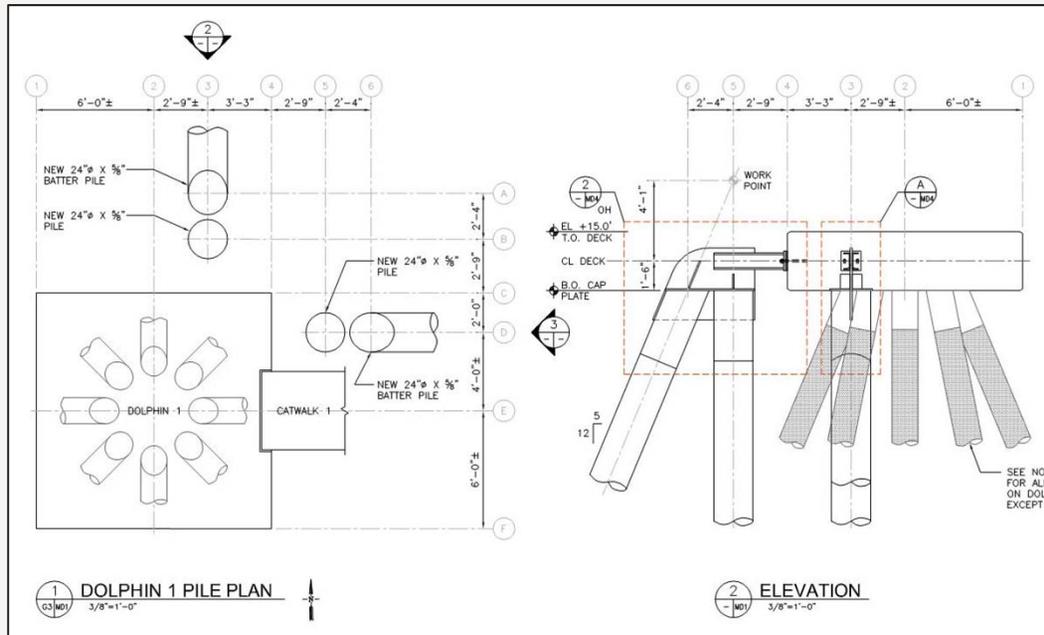
New Terminal Design



WesPac Pittsburg Marine Terminal
Breasting Dolphins



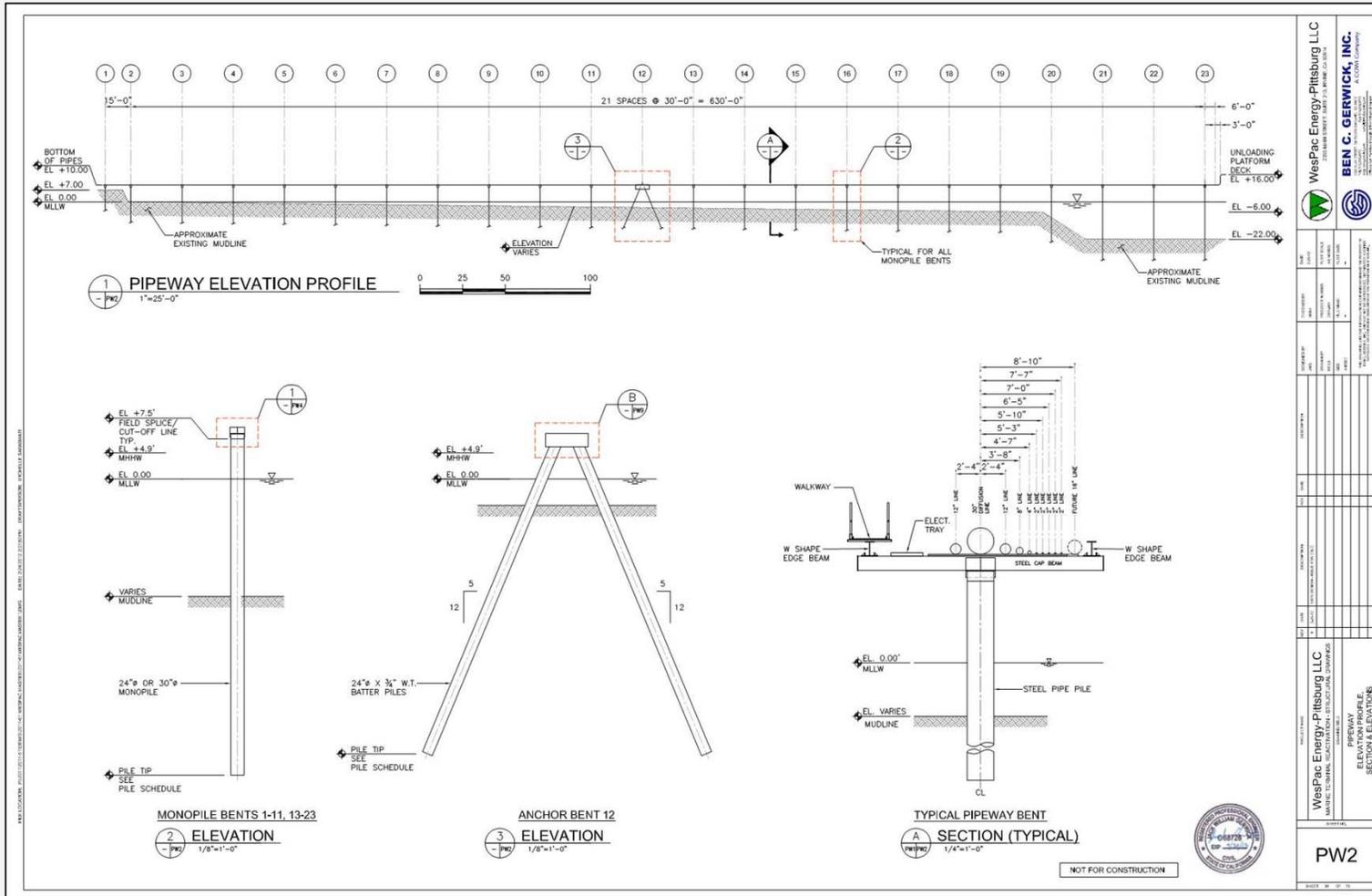
WesPac Pittsburg Marine Terminal Mooring Dolphins



WesPac Pittsburg Marine Terminal
Existing Pipeway

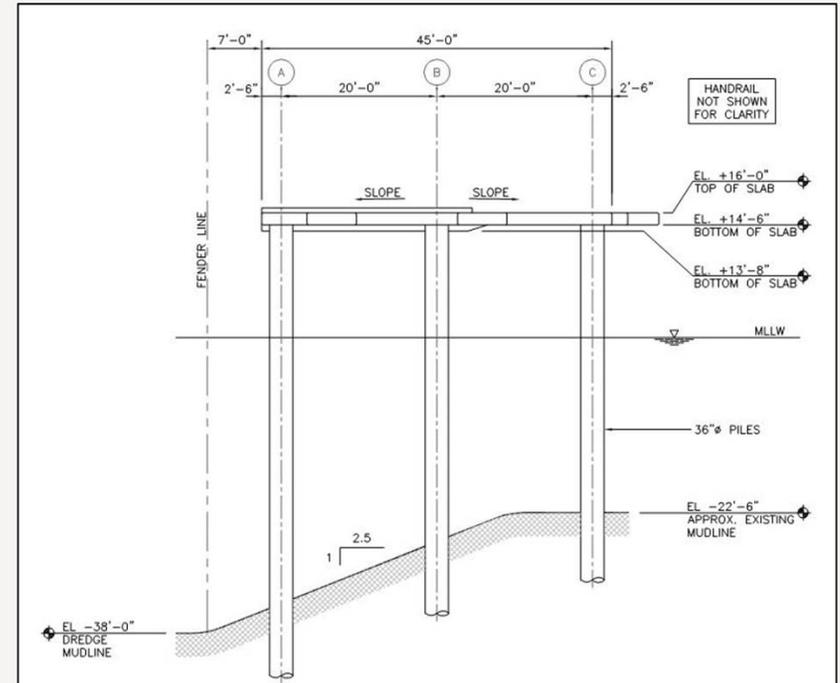


WesPac Pittsburg Marine Terminal New Pipeway



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|--|---------------------------------------|
| WesPac Energy-Pittsburg LLC 2200 BARR STREET, SUITE 220, PITTSBURGH, GA 30604 BEN C. GERWICK, INC. 1000 W. 10TH STREET, SUITE 100, PITTSBURGH, PA 15106 A COWI COMPANY | |
| PROJECT NO. 10000000000000000000 SHEET NO. PW2 DATE 10/24/12 | DRAWN BY CHECKED BY APPROVED BY |
| WesPac Energy-Pittsburg LLC MARINE TERMINAL, REACTOR, ELECTRICAL, DRAINAGE ELEVATION PROFILE SECTION & ELEVATIONS | |

WesPac Pittsburg Marine Terminal
Unloading Platform



WesPac Pittsburg Marine Terminal
Current Status

- › Design Submitted to the CSLC in February 2012
- › Dredging and Structure Permit Applications Filed
- › EIR in Progress
- › Construction Planned for 2014

