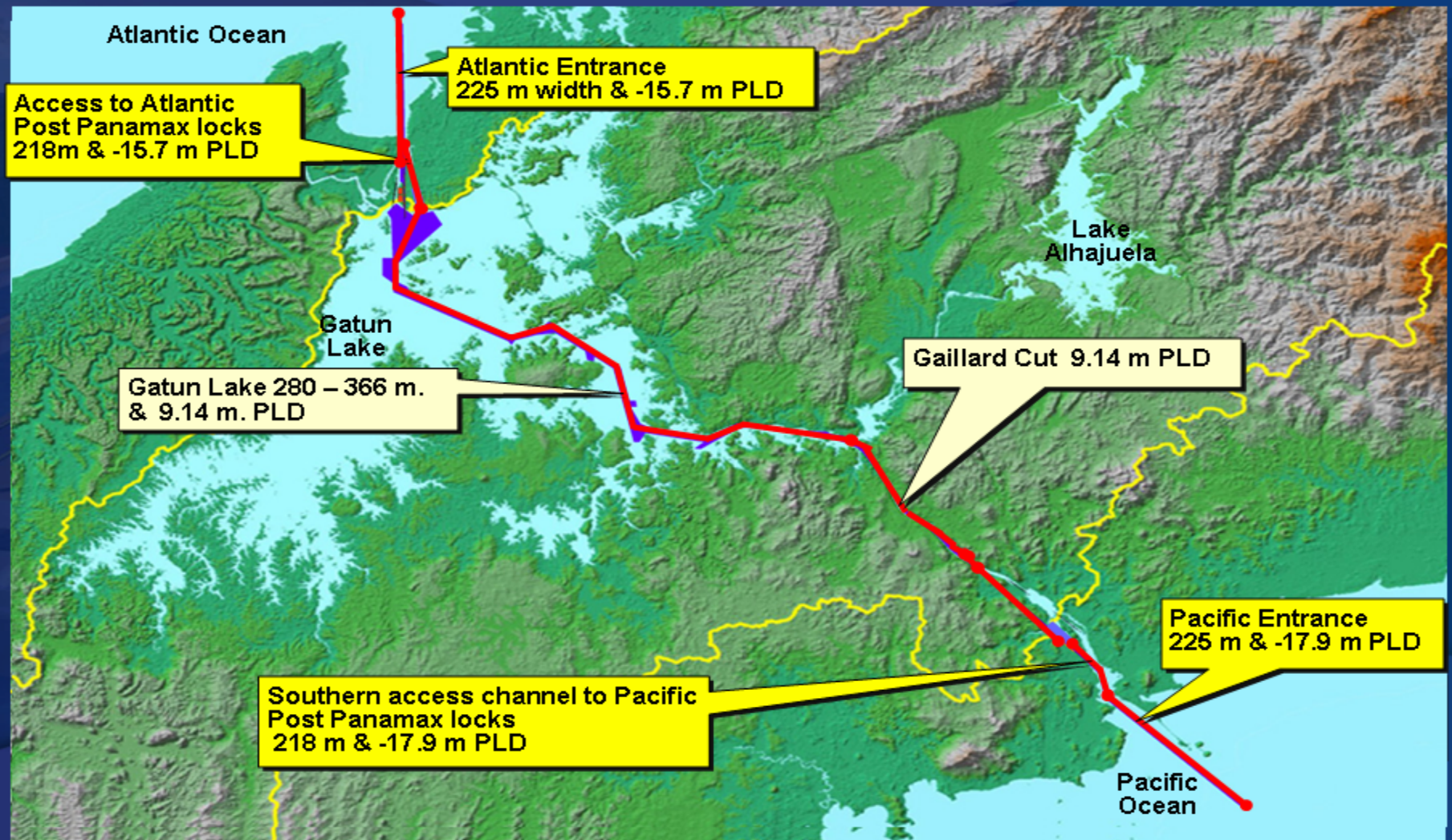


# **Dredging Program for the Panama Canal Expansion**

**Yolanda M. Chin**  
**Department of Engineering and Projects**  
**Autoridad del Canal de Panamá**  
**March, 2007**

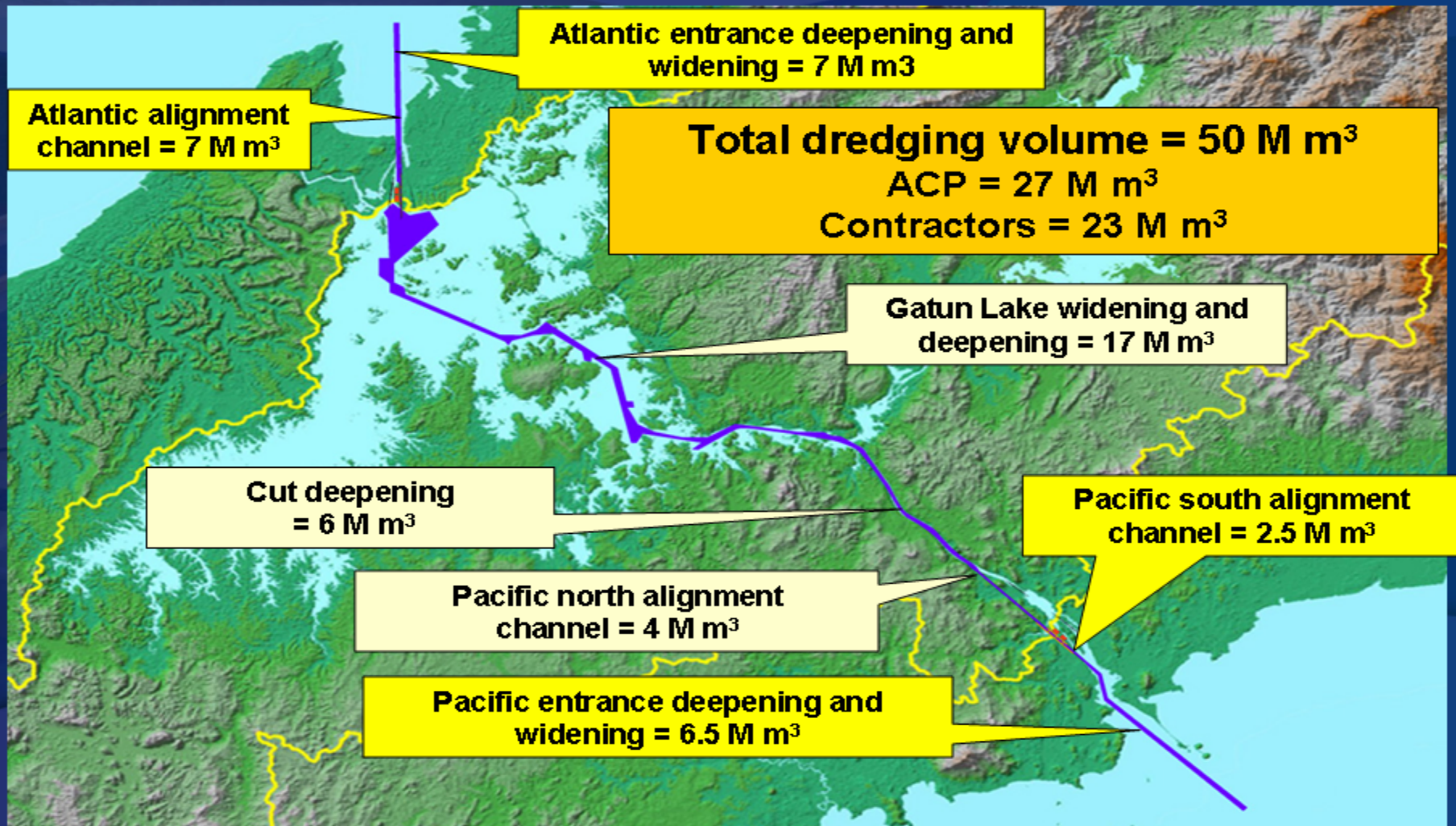


# Post-Panamax Navigation Channel Configuration





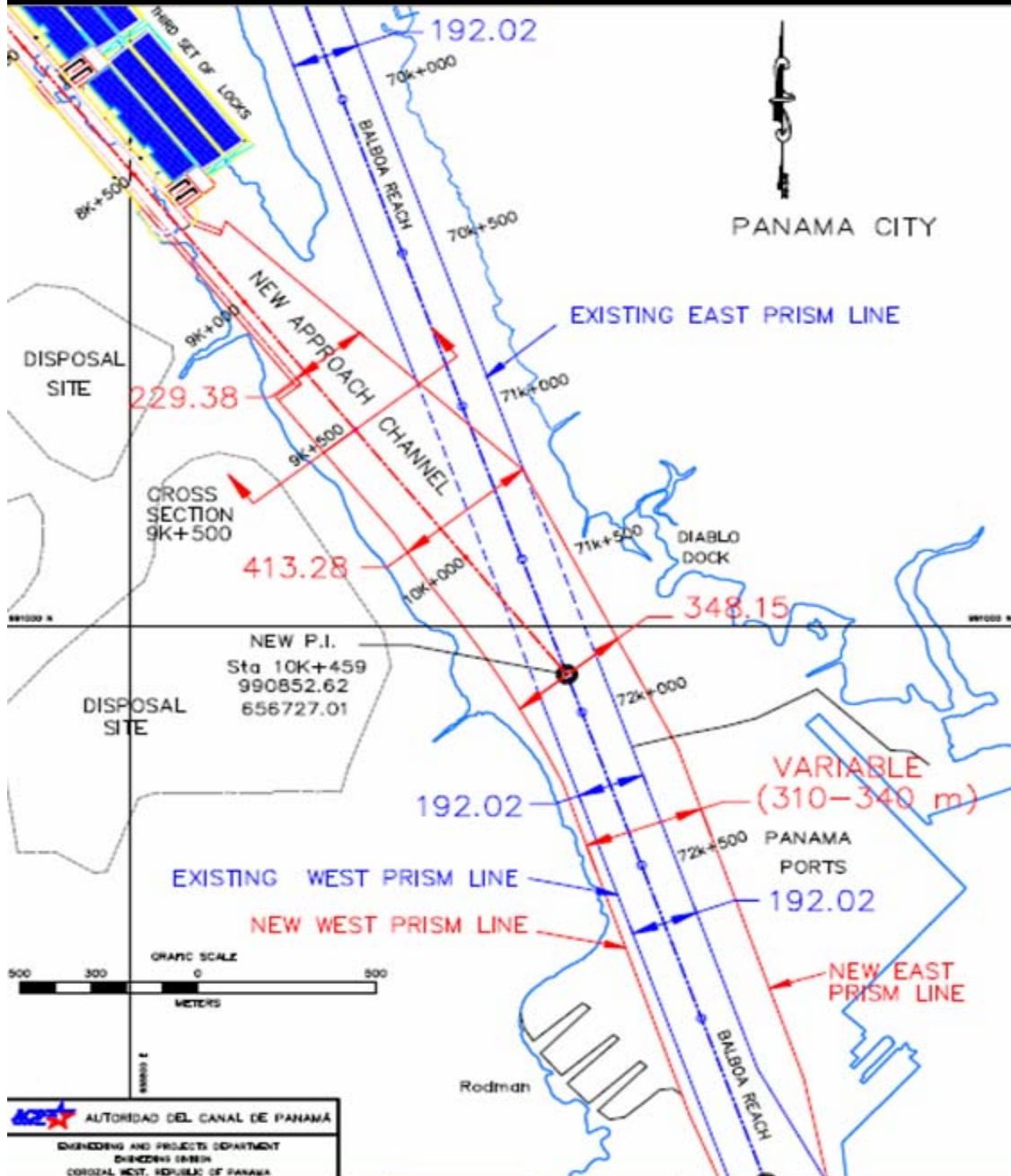
# Navigation Channel Dredging Volume (million m<sup>3</sup>)



# Pacific Dredging Works for Contract

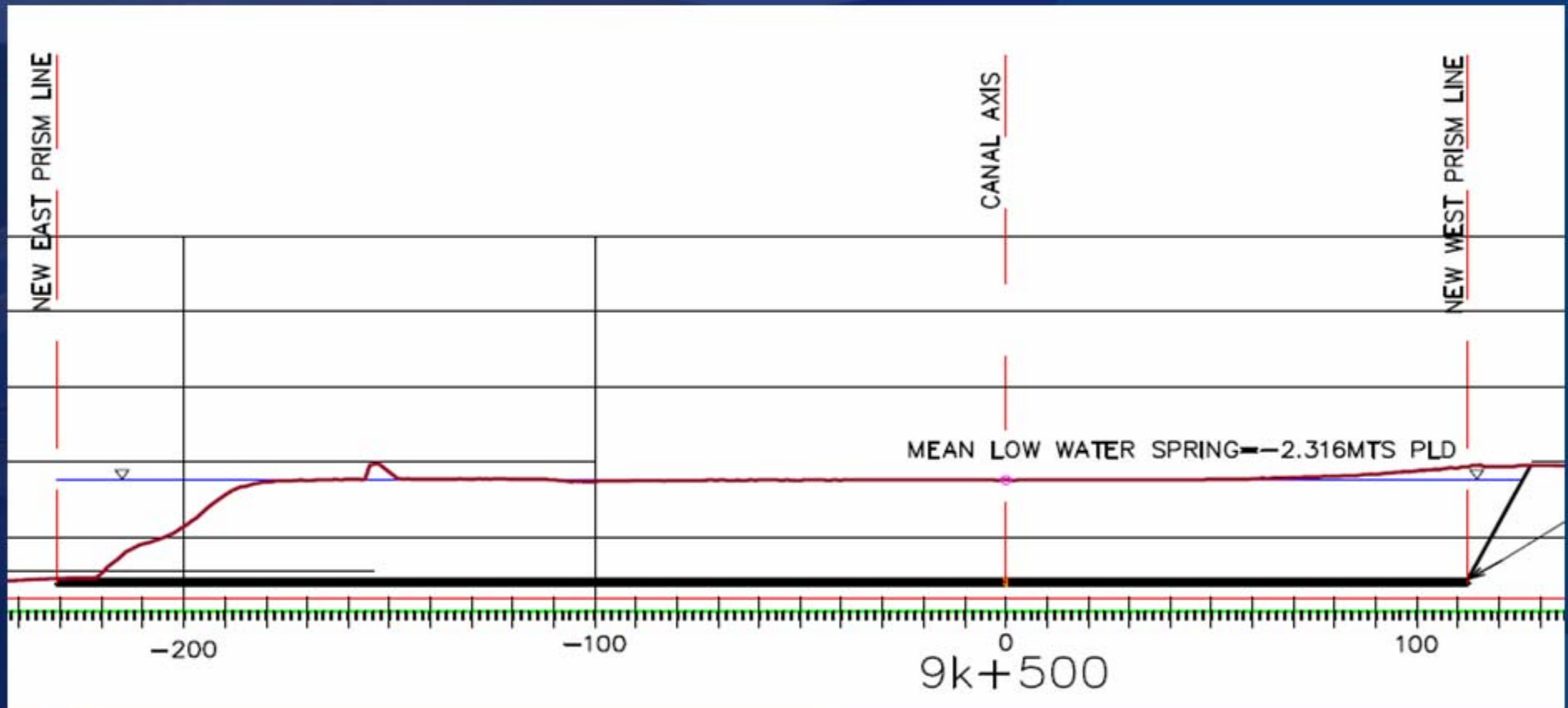
- Pacific entrance
  - Existing navigation channel: widening 225 m minimum and deepening to -17.9 m PLD
  - Construction of south access to new Pacific locks: 218 m minimum and deepening -17.9 m PLD
  - Total dredging volume estimate 9 M m<sup>3</sup>
  - Bid scheduled for 2<sup>nd</sup> Quarter 2007
  - 6 to 8 months for proposals – including site investigations





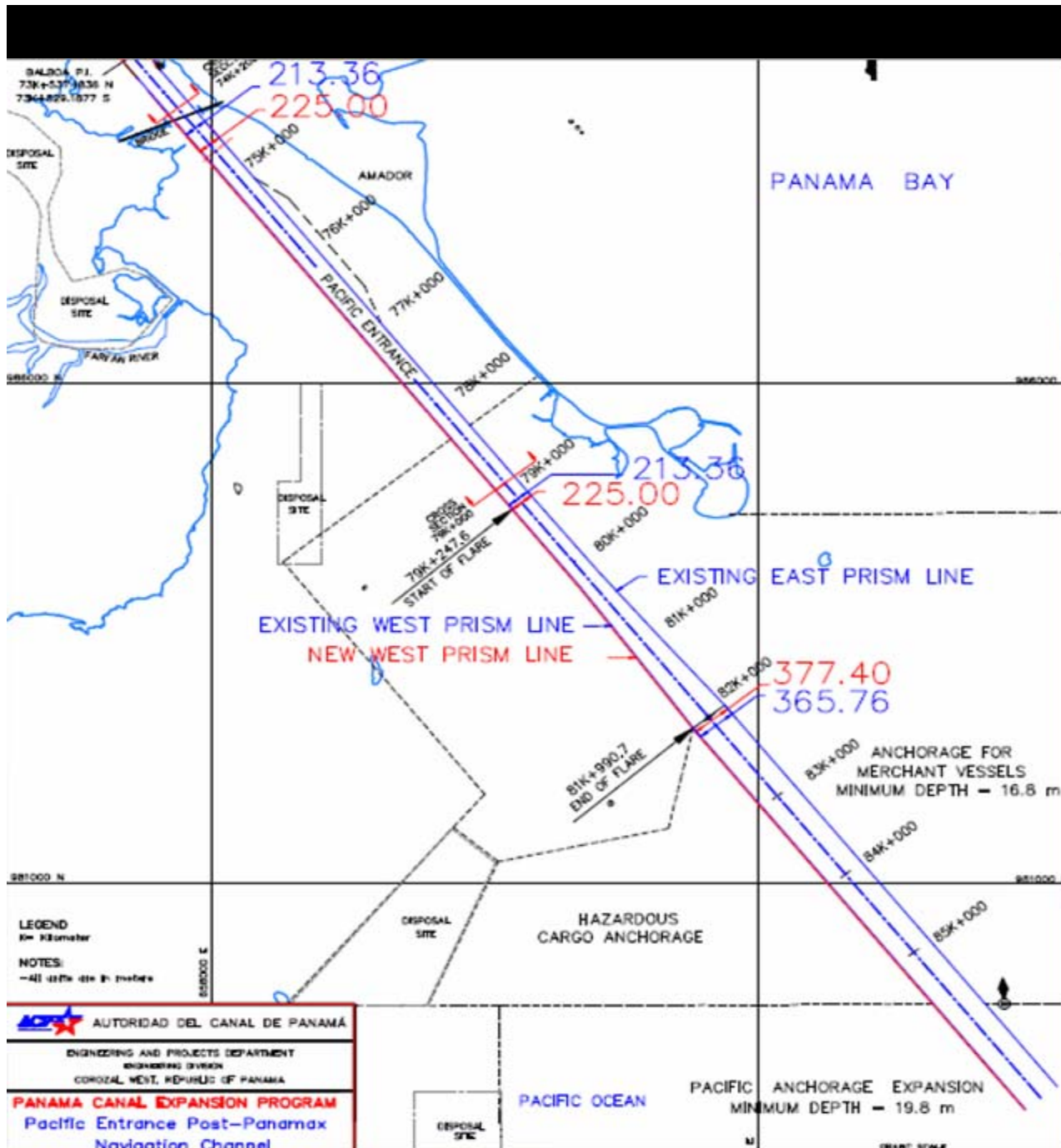
# Pacific South Access & Northern Area of Pacific Entrance Preliminary Configuration

# Cross Section at Pacific South Access



DESIGN DEPTH = -17.86 m PLD

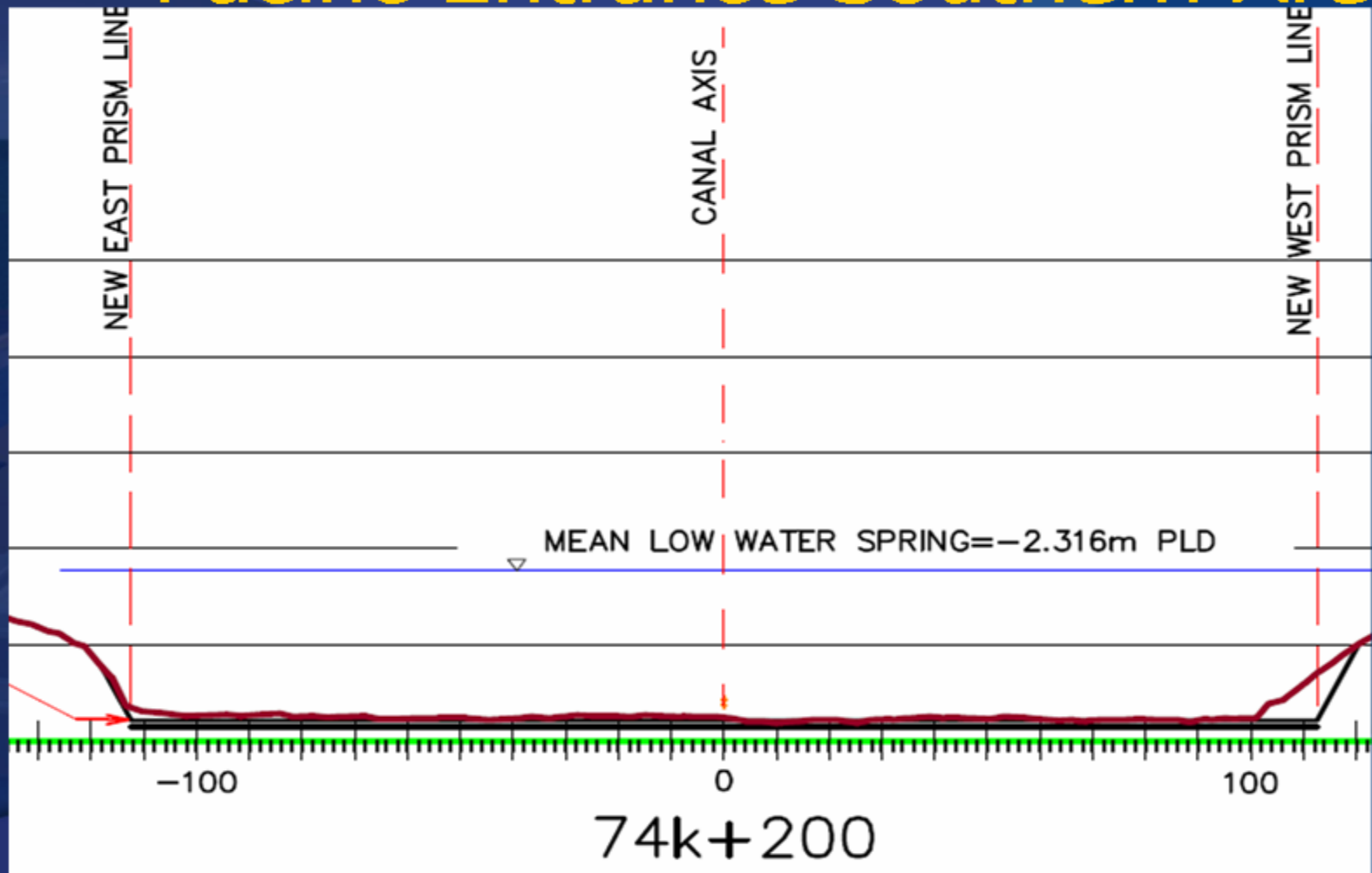
OVERDREDGE = 0.61 m



# Southern Area of Pacific Entrance

## Preliminary configuration

# Cross Section of Pacific Entrance Southern Area

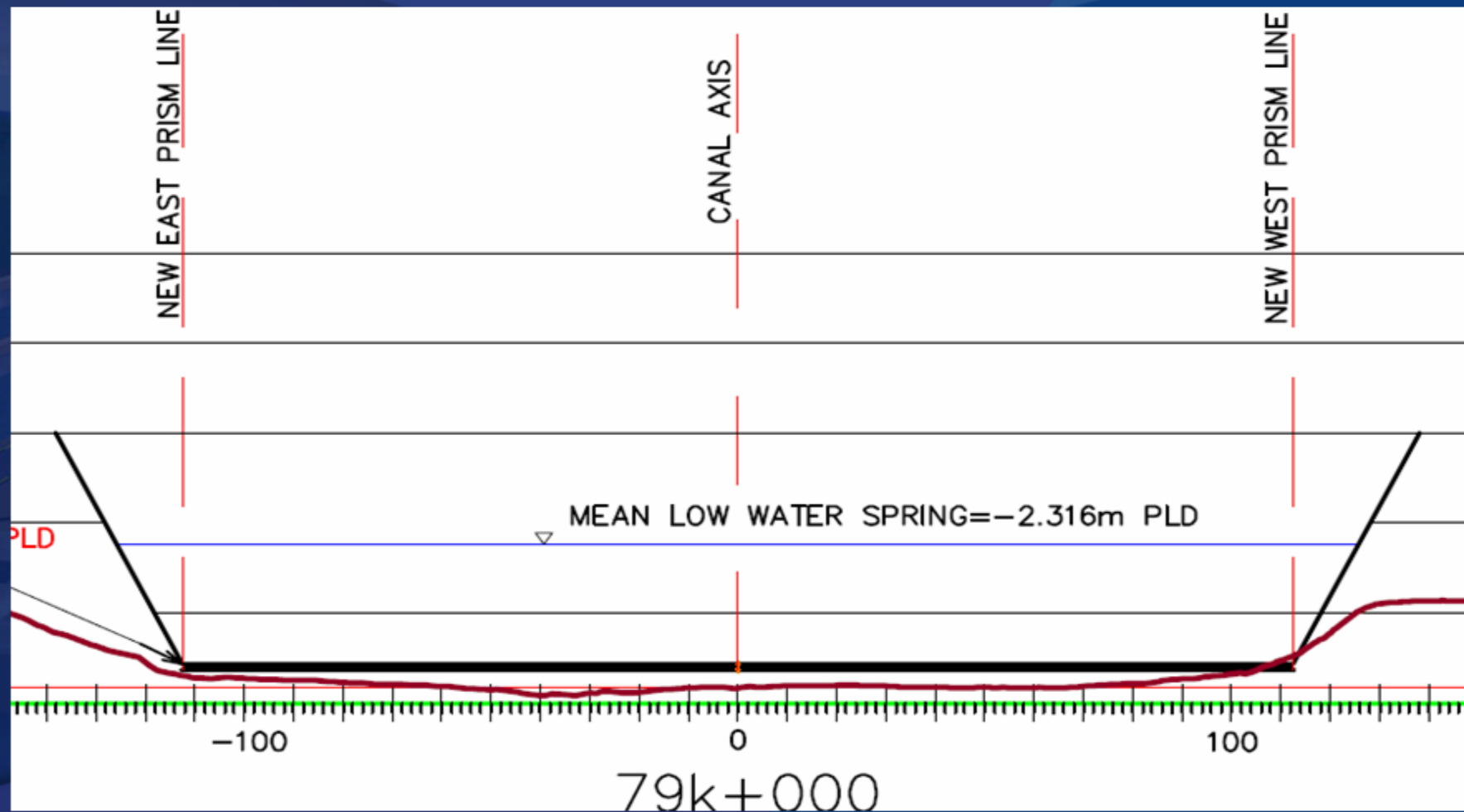


DESIGN DEPTH = -17.86 m PLD

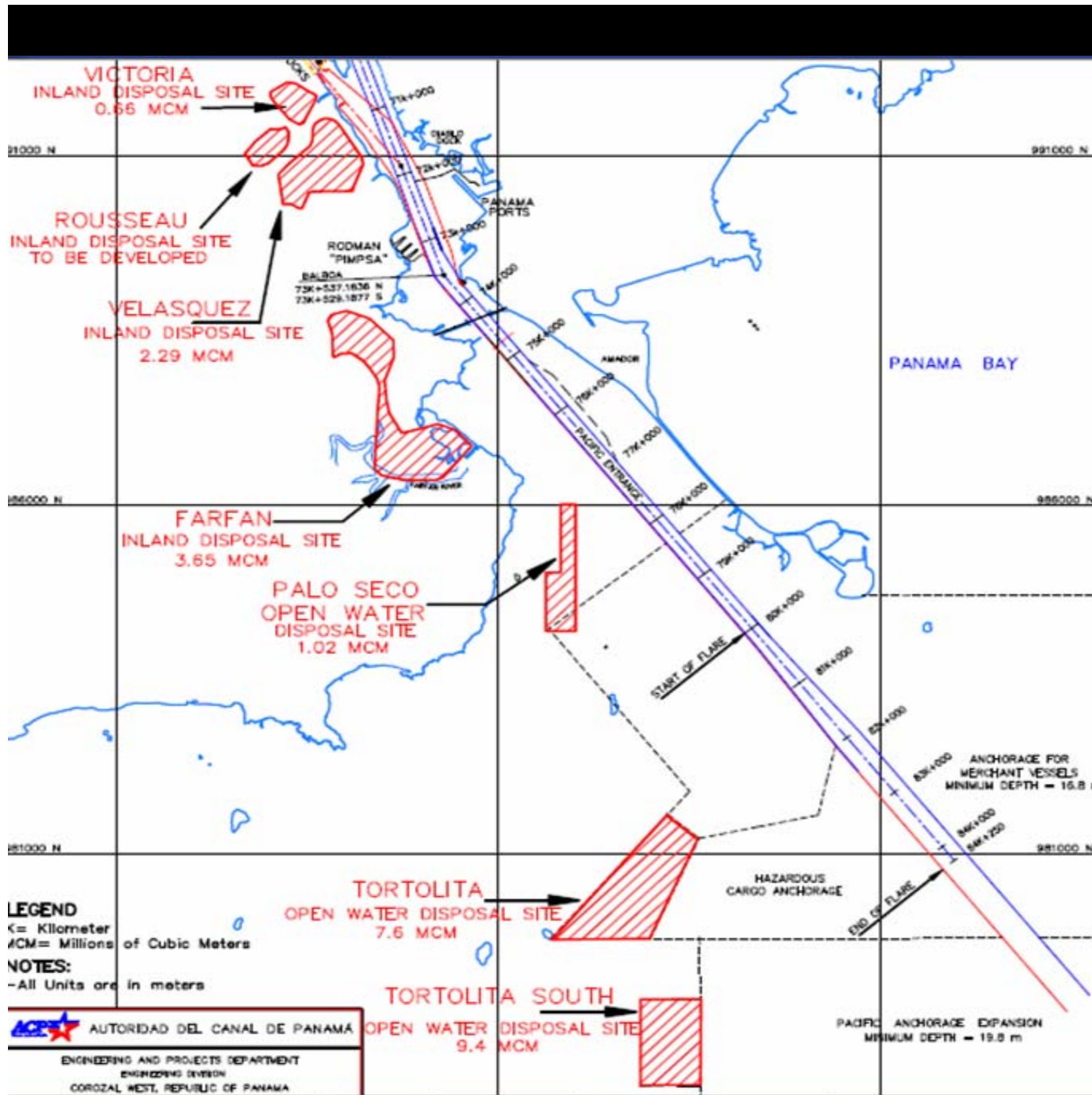
OVERDREDGE = 0.61 m



# Cross Section of Pacific Entrance Southern Area



DESIGN DEPTH = -17.86 m PLD  
OVERDREDGE = 0.61 m

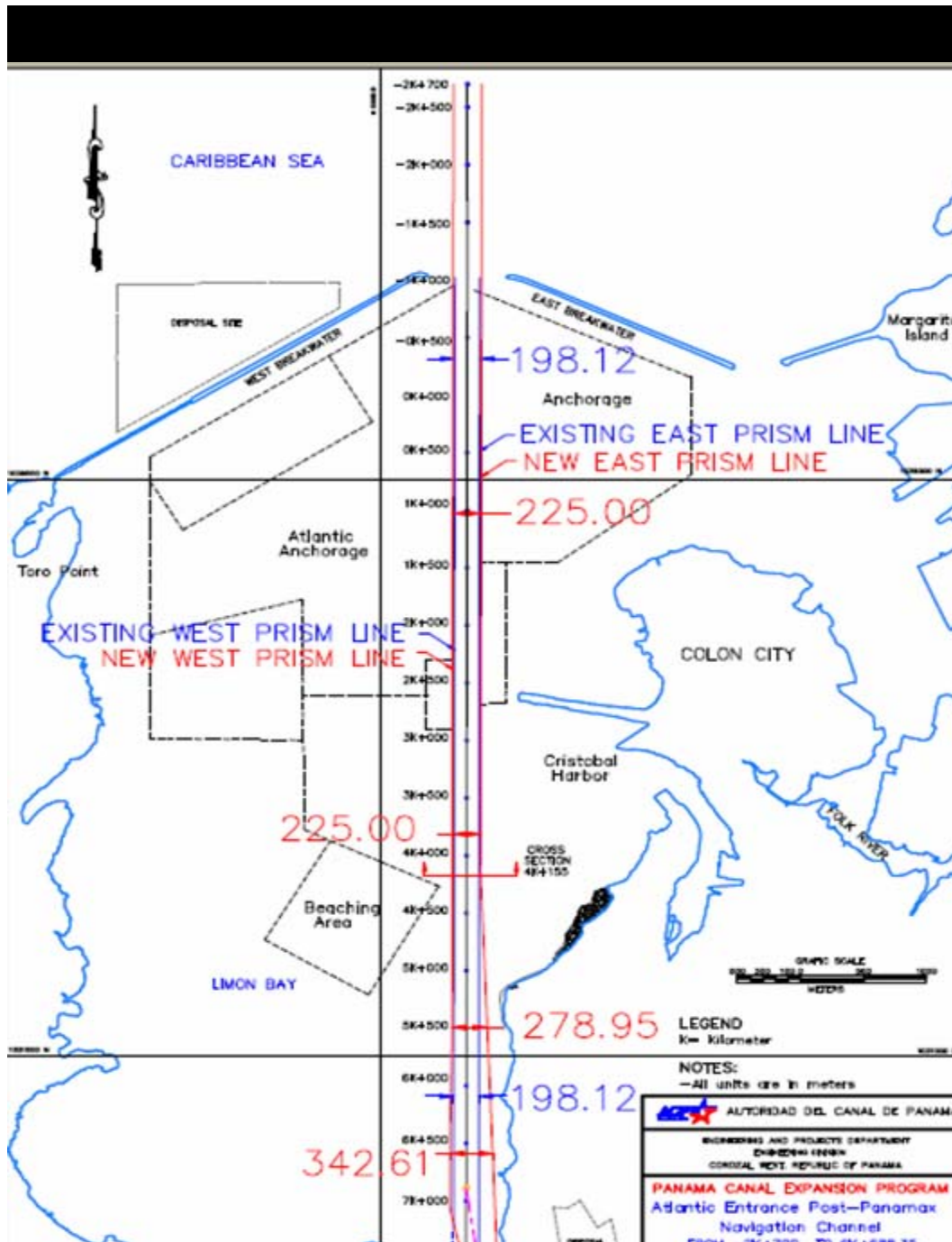


# Pacific Entrance Designated Disposal Sites



# Atlantic Dredging Works for Contract

- Atlantic entrance
  - Existing navigation channel: widening 225 m minimum and deepening to -15.7 m PLD
  - Construction of north access to new Atlantic locks: 218 m minimum and deepening to -15.7 m PLD
  - Total dredging volume estimate 14 M m<sup>3</sup>
  - Bid scheduled for 2008
  - 6 to 7 months for proposals – including site investigation

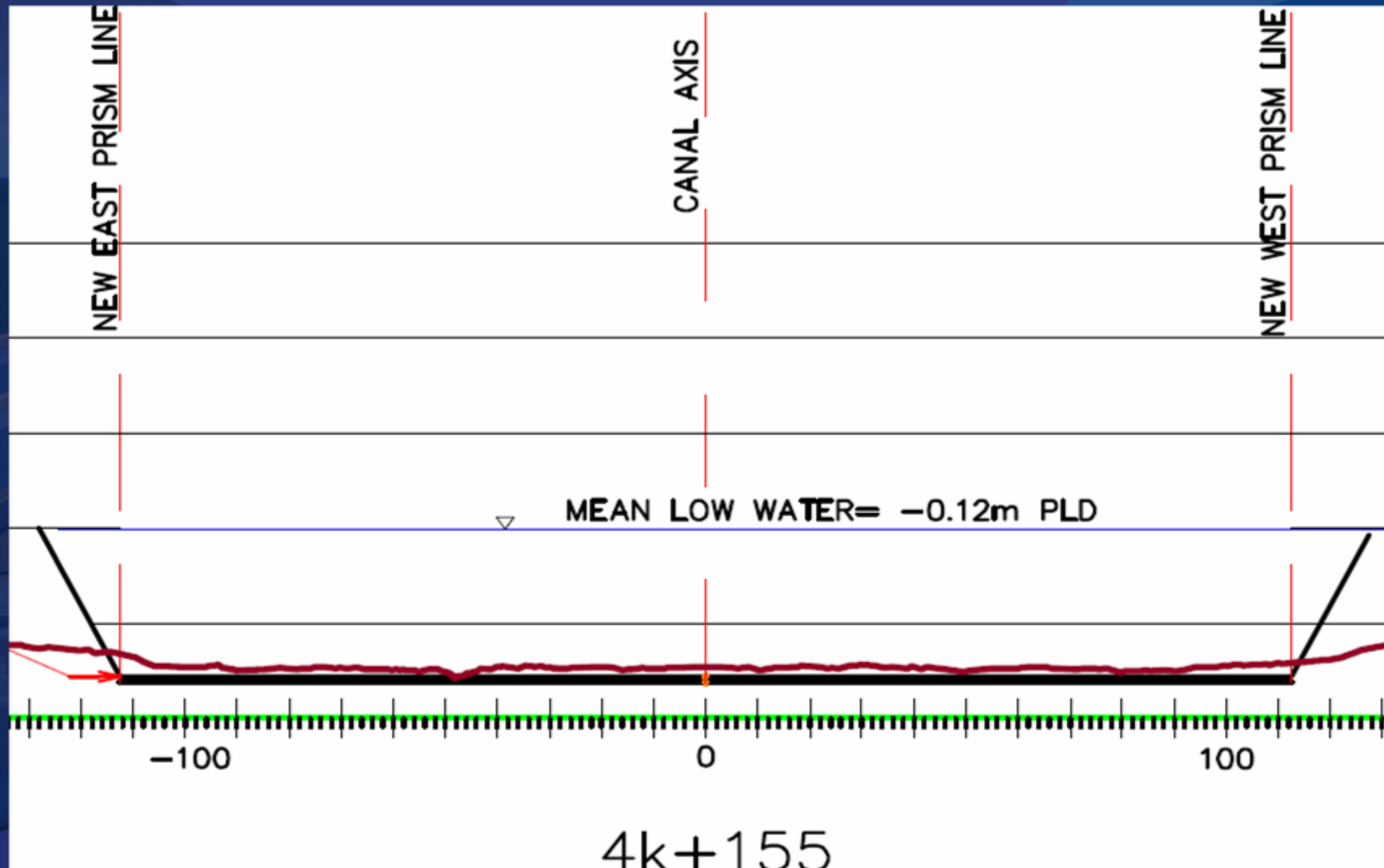


# Atlantic Entrance

## Preliminary Configuration

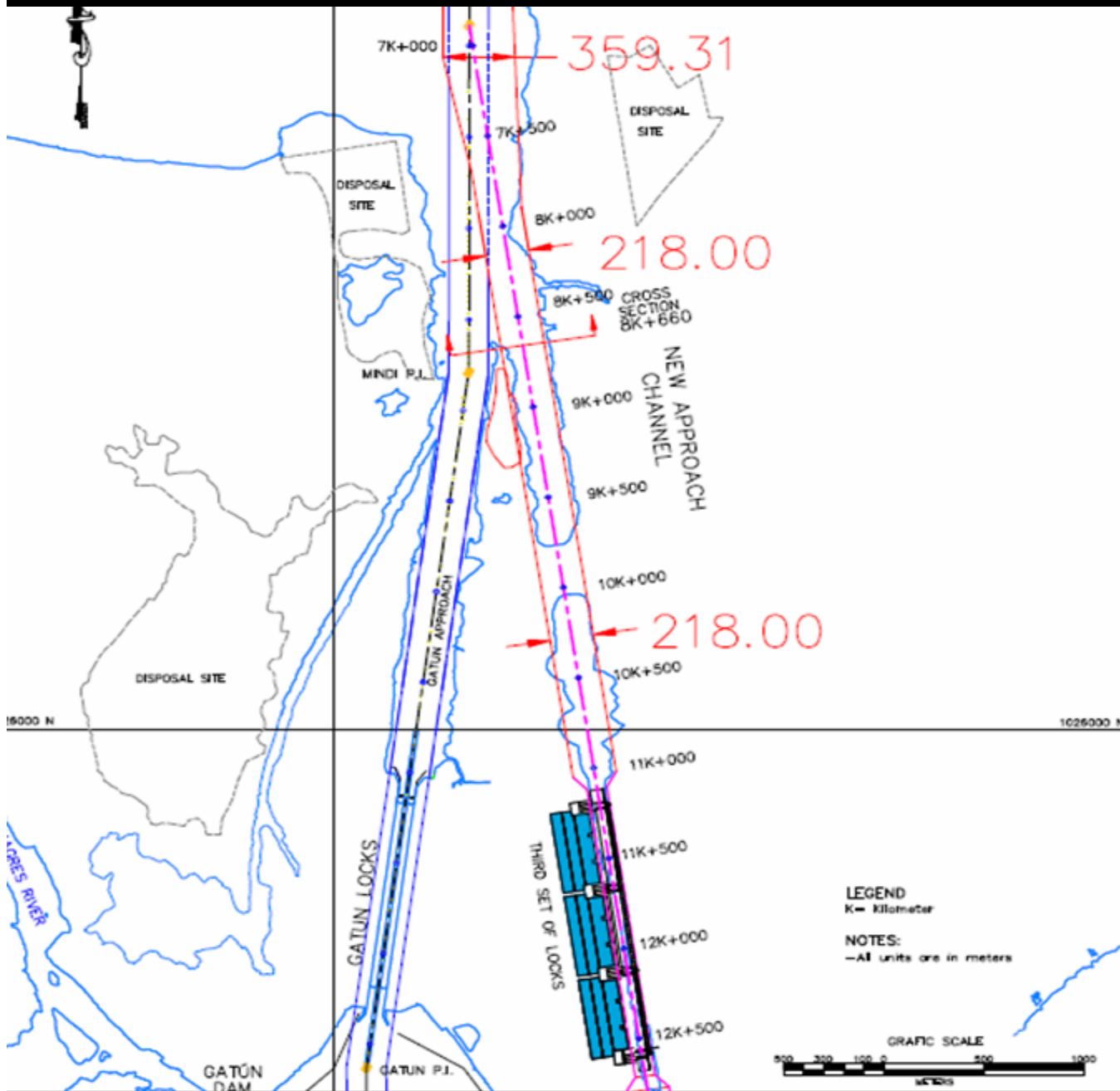


# Cross Section of Atlantic Entrance



DESIGN DEPTH = -15.7 m PLD

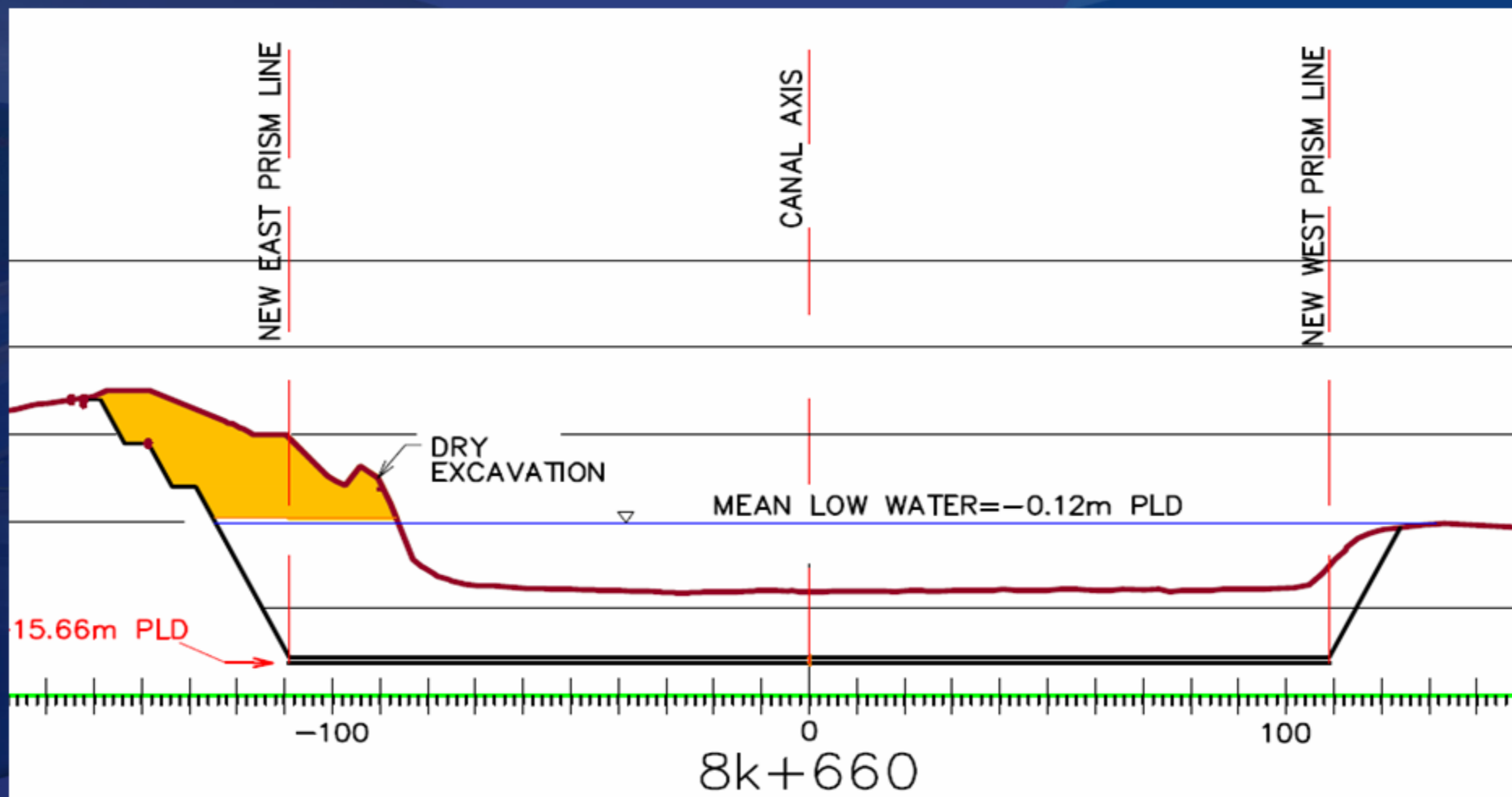
OVERDREDGE = 0.61 m



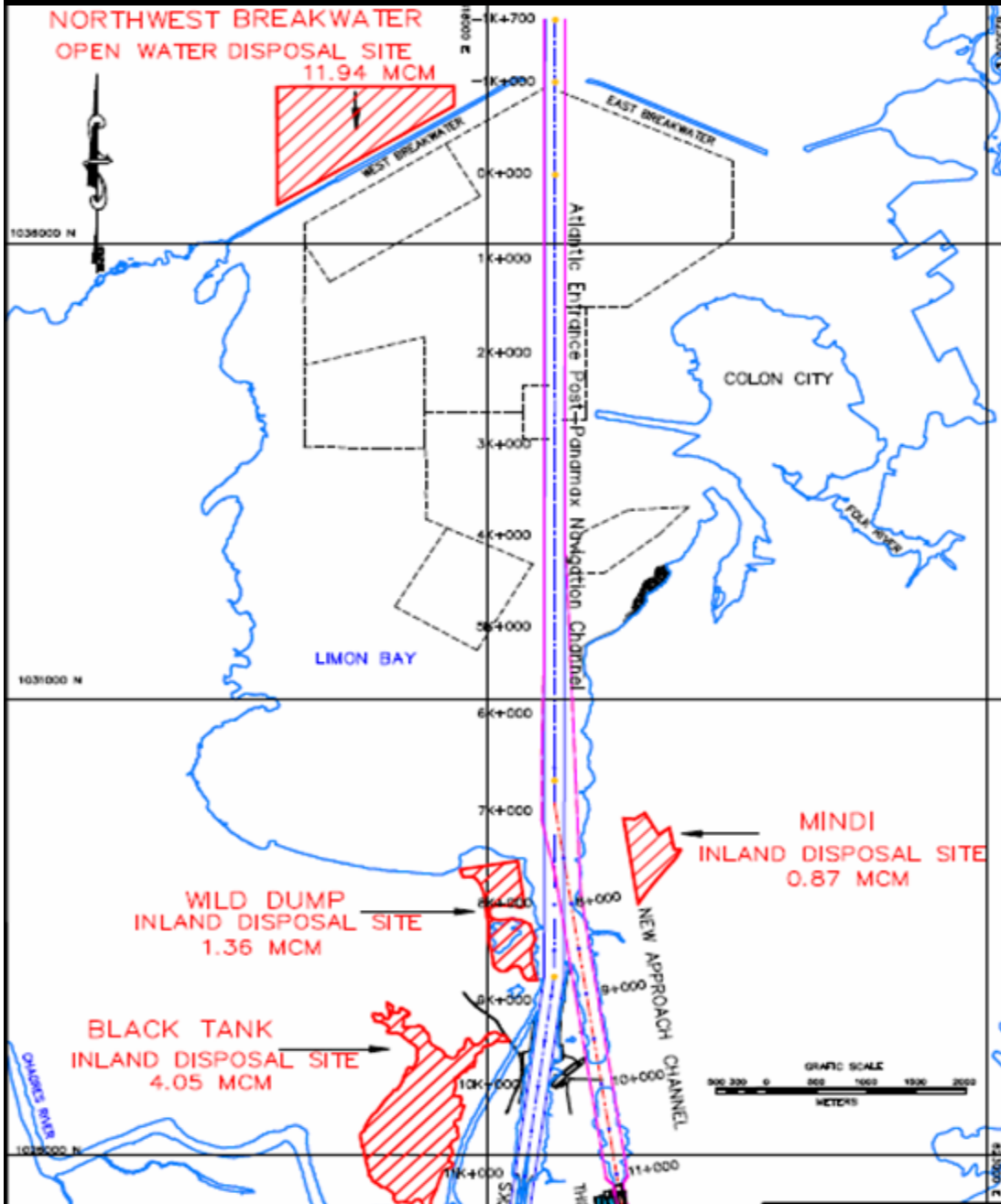
# Atlantic North Access Preliminary Configuration



# Cross Section of Atlantic North Access



DESIGN DEPTH = -15.7 m PLD  
OVERDREDGE = 0.61 m



# Atlantic Entrance Designated Disposal Sites



Thanks