



Public Works Agency

*Ventura County
Watershed
Protection District*

J Street Drain Project

Surfside III Meeting

October 22, 2011



RDEIR Public Meeting – 9/26/2011

Topics Covered

- Facility and Project Planning History
- 100-Year Flood Potential for J Street Drain Watershed
- Project Selection and Funding
- January 18, 2010 Flood Emergency
- Decision to Use Vertical Shoring at Surfside III
- Beach Elevation Management Plan



RDEIR Public Meeting – 9/26/2011

Topics Covered (cont.)

- Inland Flooding Study (to Understand 1/2010 Emergency)
- Coastal Processes Study (Preferred Beach Elevation)
- Hydrogeology Study (Dewatering Effect on Halaco)
- Sediment Transport Study for Proposed Outlet to Lagoon
- Mosquito Technical Study
- Environmental Impact Report Status & Schedule



Today's Agenda

- Beach Elevation Management Plan
- Surfside III Side Drains
- Safety of SSIII Buildings Adjacent to J Street Drain During Construction
- Tree Replacement
- Fence Replacement
- Construction Dewatering Effect on Halaco Metals



Beach Elevation Management Plan

- ❑ Replaces OLD Emergency Action Plan (EAP) in 2009 DEIR
- ❑ Response to January 18, 2010 flood emergency
- ❑ Monitor beach sand berm elevation before predicted storms
- ❑ Target safe water surface elevation based on January 2010 event flood analysis
- ❑ If needed, shave top of berm to facilitate natural breach during future storm event
- ❑ NEW PLAN would not directly breach the lagoon



Ormond Beach Lagoon Emergency Beach Grooming - October 18, 2010



10/05/2011 09:32



Coastal Processes Investigation

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Project	Year Dredged	Quantities (CY)	Disposal Site
Channel Islands	FY01	1,235,950	Hueneme Beach
	FY03	2,062,695	
	FY05	2,140,915	
	FY07	1,171,035	
	FY09	2,198,040	
	FY11	968,530	
Port Hueneme	FY01	0	
	FY03	0	
	FY05	27,200	
	FY07	0	
	FY09	686,000*	
	FY11	0	

Beach Nourishment Plan

- USACE sand bypass to Hueneme Beach
- Bypass operation occurs every 2 years
- 2009 sand bypass quantity was 2,884,040 cubic yards (CY)
- Increased sand at Hueneme Pier by 3 feet
- Increased sand berm at Ormond Beach Lagoon by 1.5 feet



Side Drains





Side Drains: Building 6 South Corner

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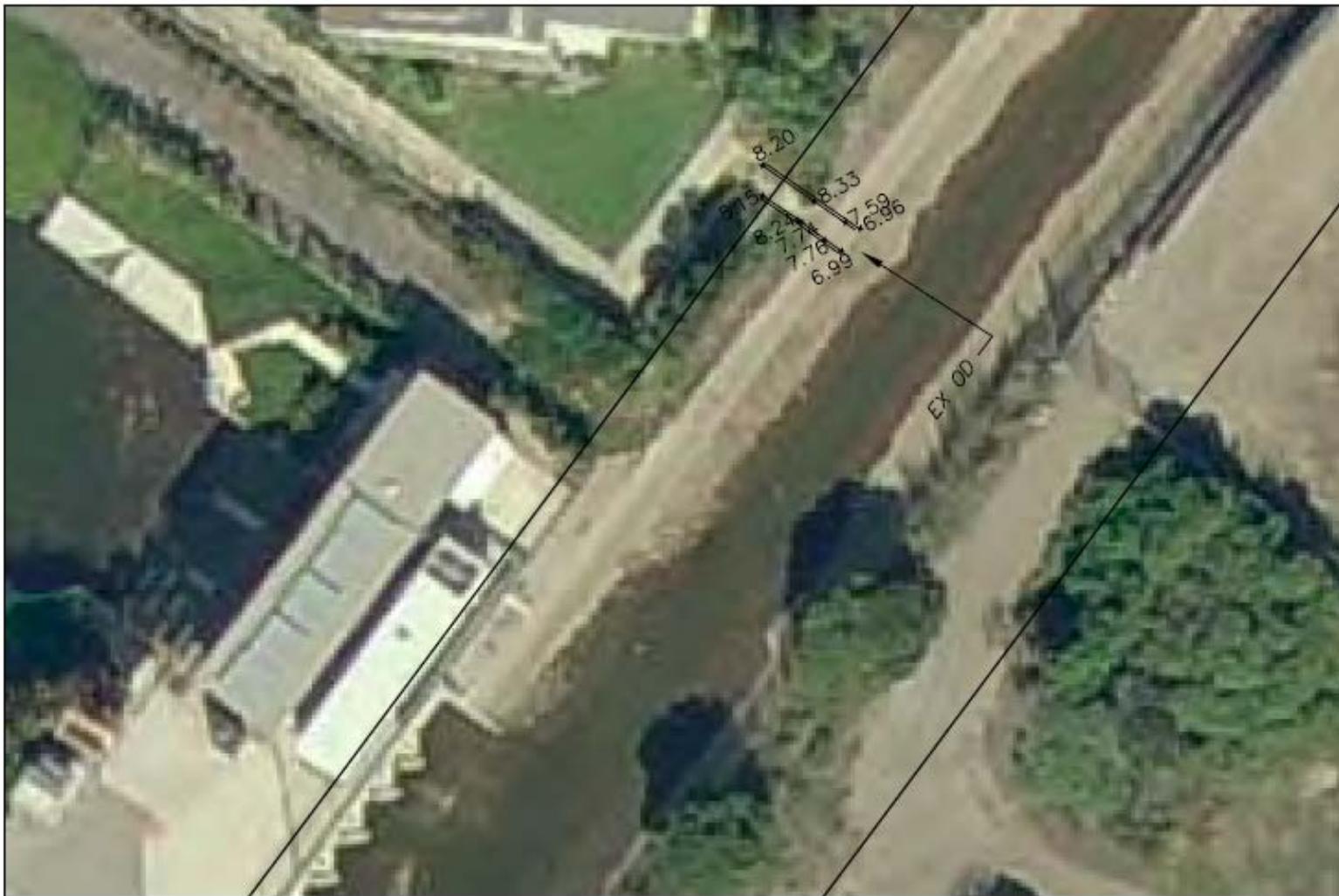




Side Drains: Building 6 SE Corner

STA 9+56

WSE 7.94'





Side Drains: Building 6 Parking, S End

STA 10+27

WSE 7.95'

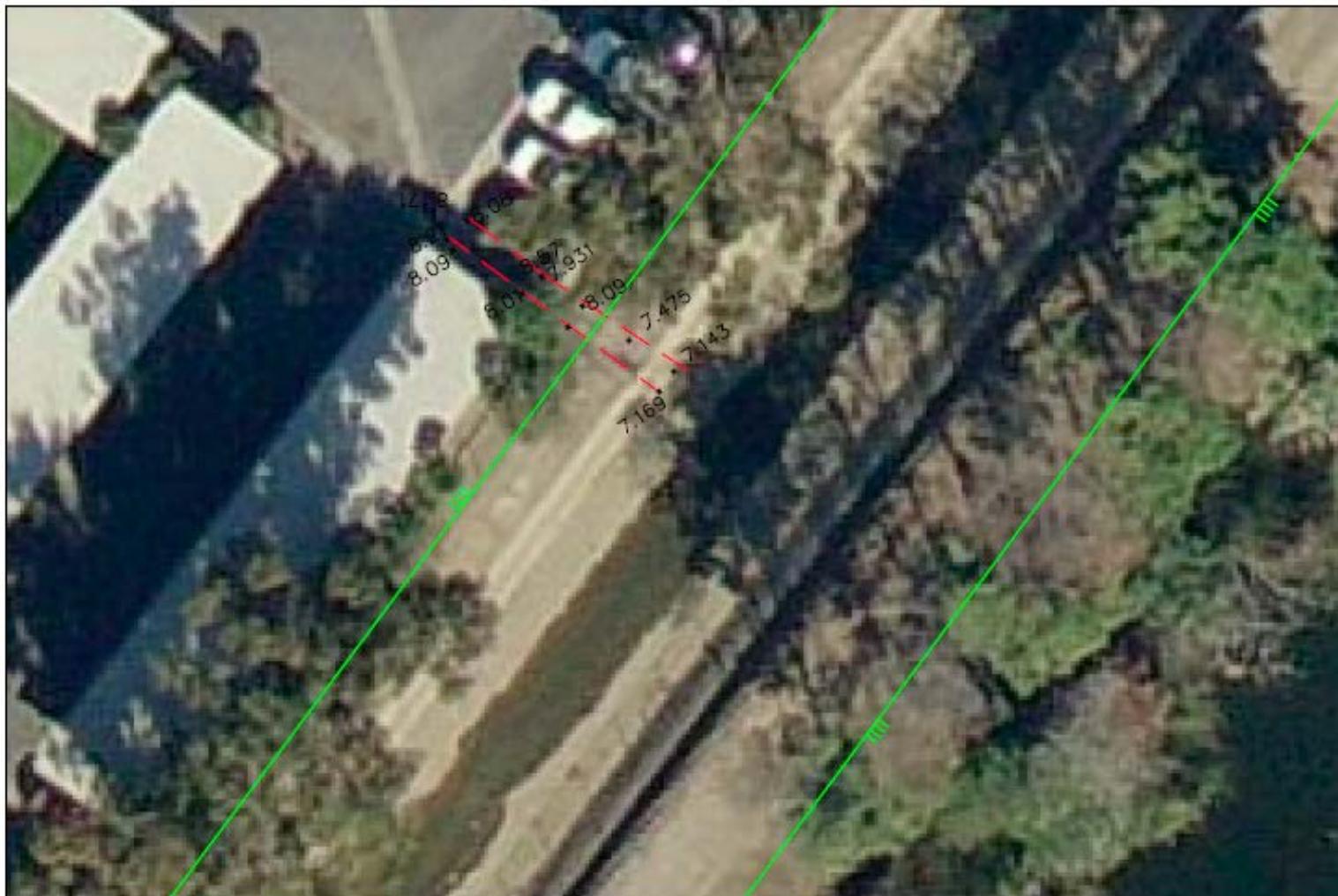




Side Drains: Between Buildings 6 & 7

STA 11+96

WSE 7.99'



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Side Drains: Between Buildings 7 & 17

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Side Drains: Between Buildings 7 & 17

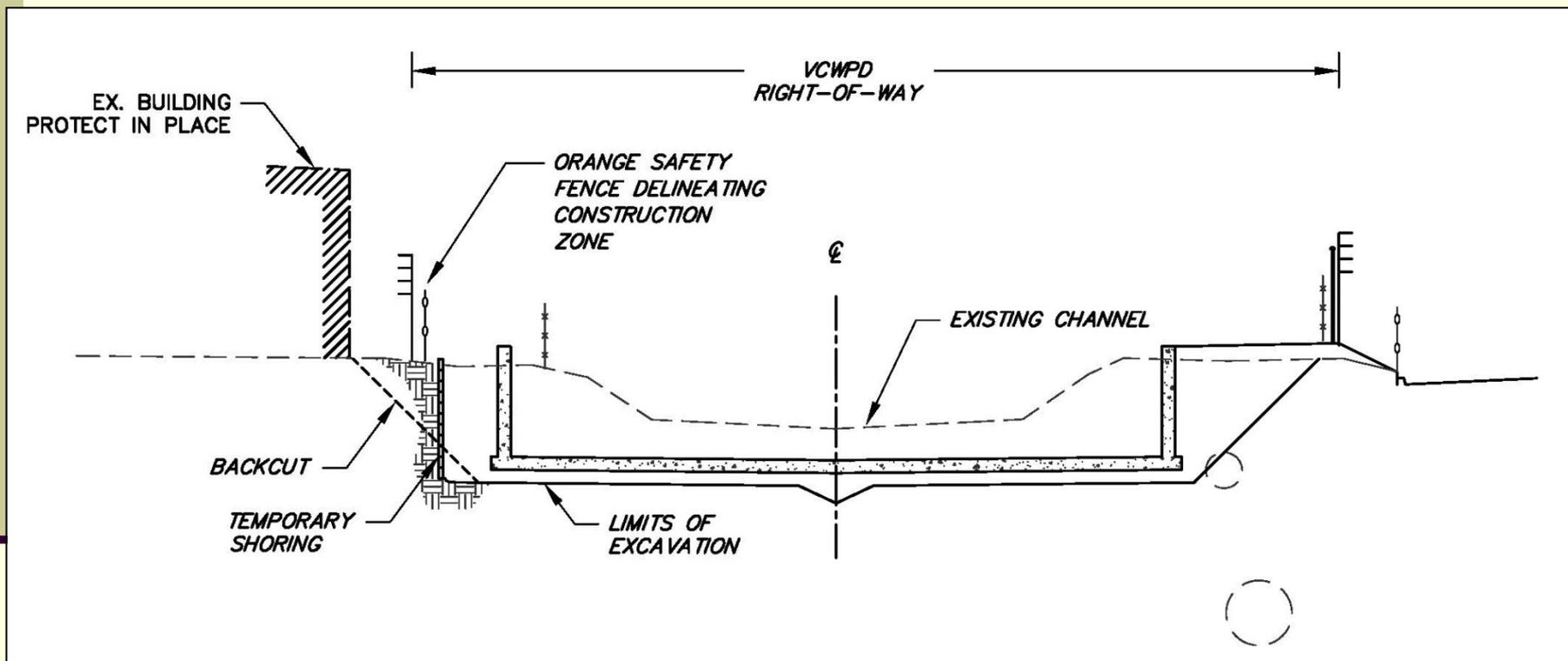
STA 14+70

WSE 8.04'





Building Safety During Construction





New Mitigation Measures

■ Recirculated Draft EIR:

With owner permission, a third party will video record the interior and exterior condition of adjacent buildings before construction.

If owner submits a damage claim within one year, a second video will be taken, before and after recordings will be compared to settle damage claims.



New Mitigation Measures

- Final EIR Proposal:
 - Contractor to Prepare a Work Plan before Construction may Begin
 - Consider all Available Geotechnical Information for Vertical Shoring Areas
 - Plan must Specify how Contractor will Install Vertical Shoring to Minimize Potential Vibration Damage to Buildings



New Mitigation Measures

- Final EIR Proposal (cont):
 - Place Elevation Monuments on Adjacent Buildings before Construction
 - Monitor Adjacent Structures Daily
 - Modify Work Plan to Reduce Potential Damage if Problems are Observed
 - Phone No. for Reporting Possible Damage Observations Immediately



Trees

- ❑ 112 Trees and Shrubs Surveyed in 2010
- ❑ 21 Trees: Preserve in Place
- ❑ 20 Trees: Trim Roots and Monitor Health
- ❑ 7 Palms: Protect Trunks/Fronds & Monitor
- ❑ 54 Trees: Remove (SSIII Property)
- ❑ 10 Trees: Remove (District Property)



Existing Vegetation

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Trees to be Removed (54 SSIII, 10 District)

- ❑ Myoporum – 33 SSIII, 7 District ROW
- ❑ Eucalyptus – 19 SSIII, 1 District ROW
- ❑ Monterey Pine – 1 SSIII
- ❑ Windmill Palm – 1 SSIII, 2 District ROW



Trees to be Protected/Monitored (27)

- ❑ Myoporum – 7
- ❑ Eucalyptus – 13
- ❑ Windmill Palms - 7



Trees Preserved (21)

- Myoporum – 10
- Eucalyptus – 4
- Windmill Palms – 4
- London Plane – 1
- California Sycamore – 1
- Dead Myoporum – 1



OWWTP / District Property Line

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OWWTP / District Property Line

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SSIII / District Property Line

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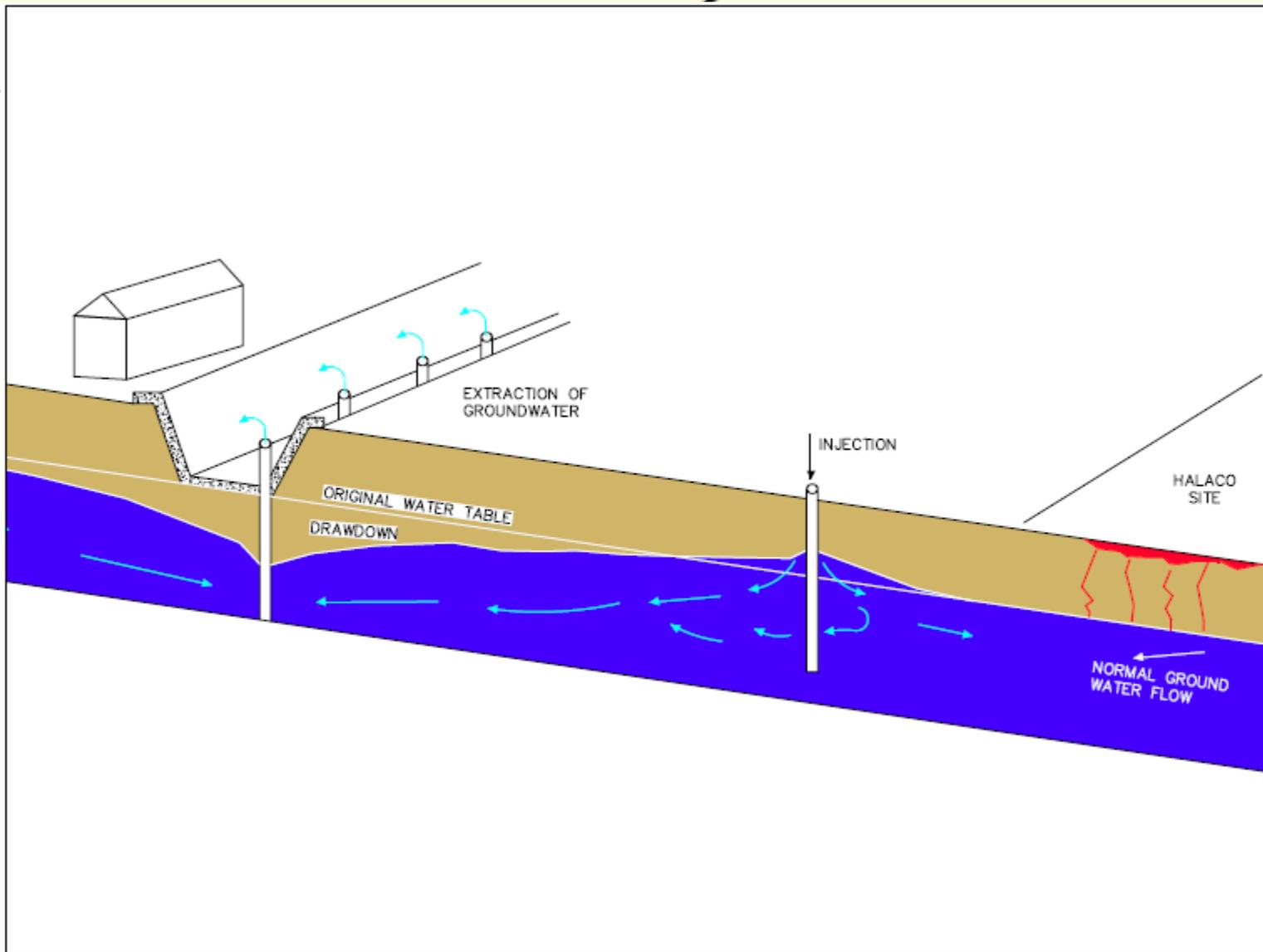


Construction Dewatering





Groundwater Injection Barrier





Thank you for your interest

- If you have any questions, please contact:
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 - Wayne Praskins, Halaco Project Manager 415-972-3181, www.epa.gov
- To review the RDEIR, please go to:
 - www.JStreetDrain.com