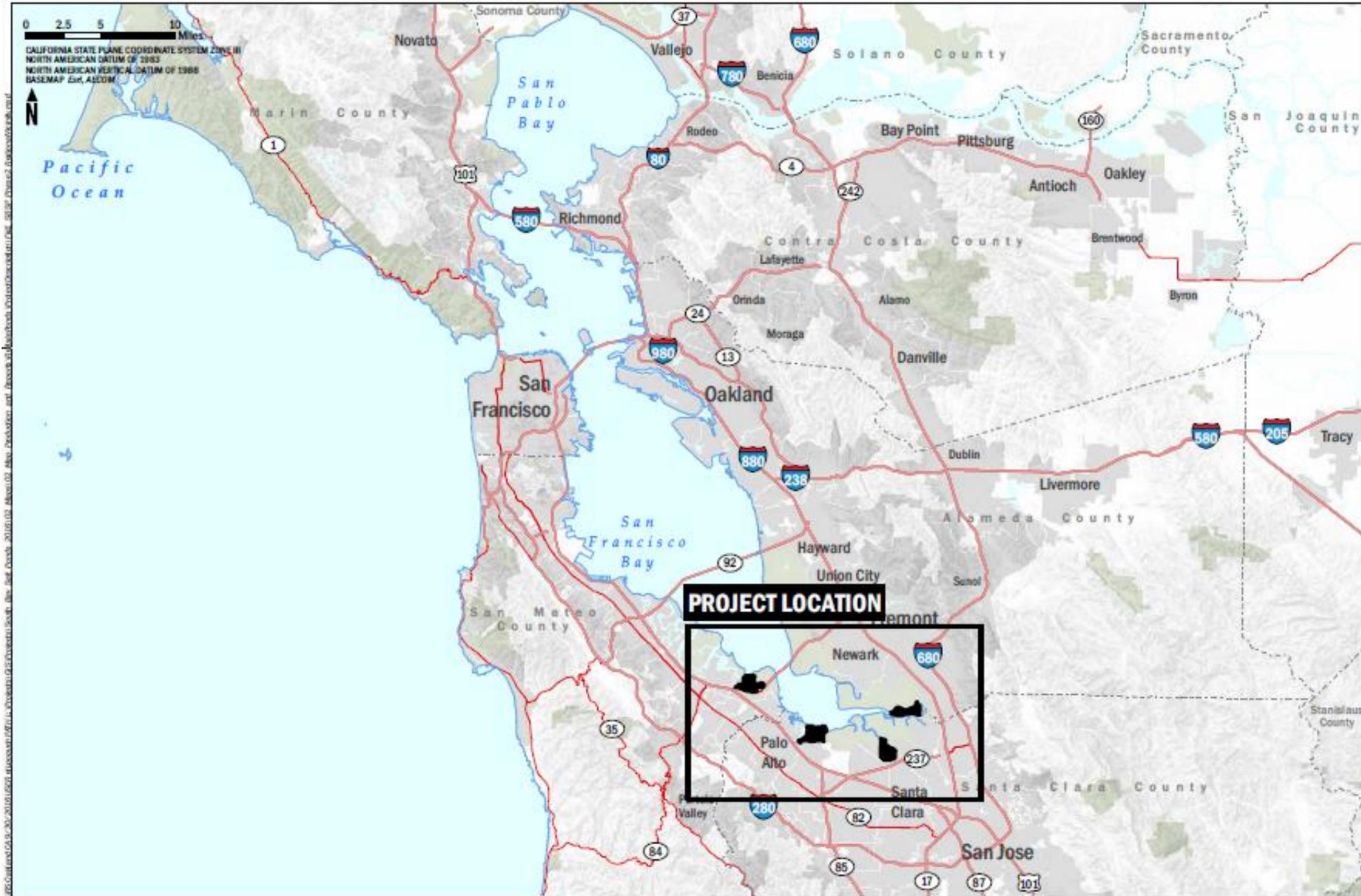
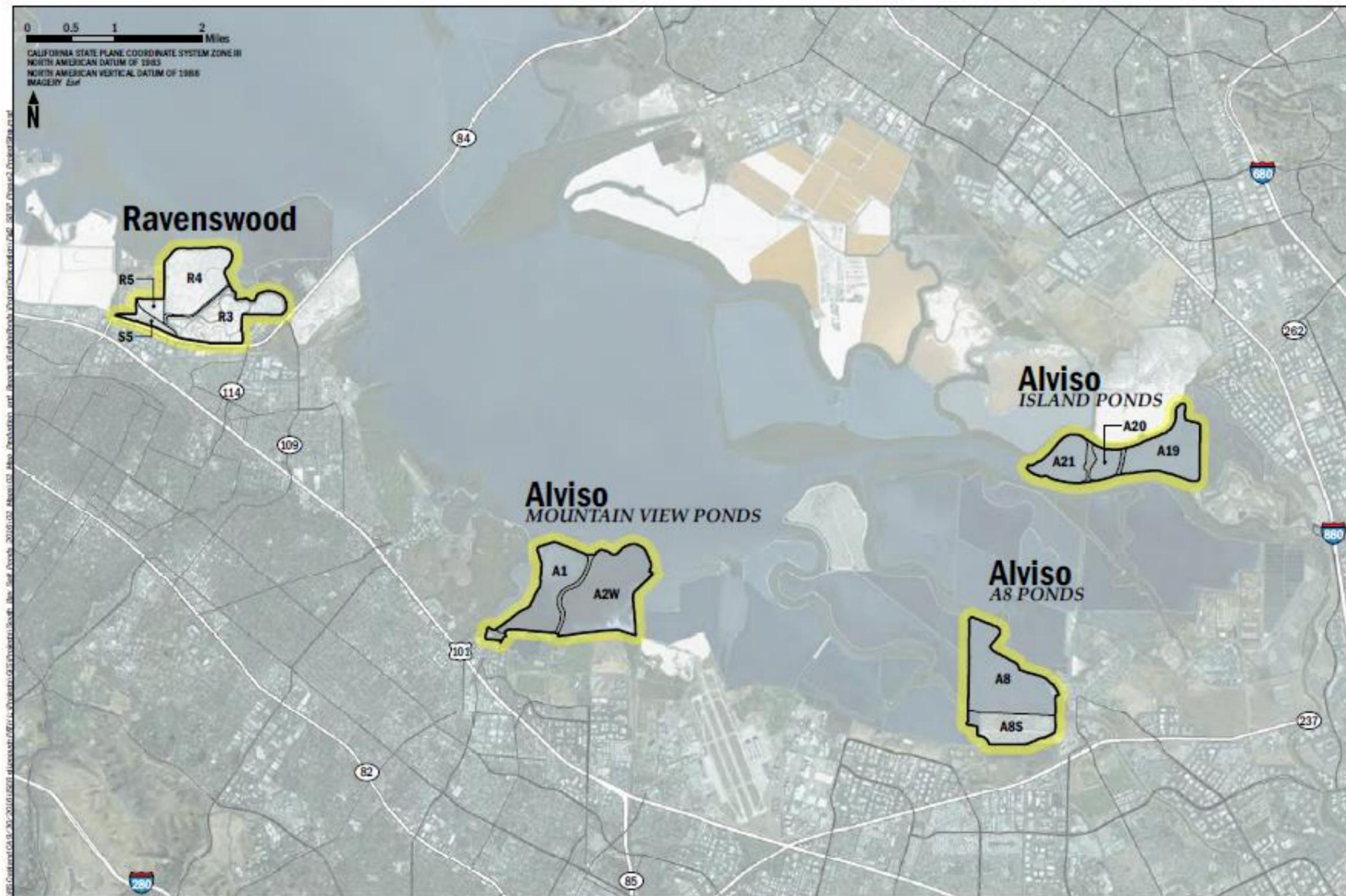


South Bay Salt Pond Restoration Project – Geographic Setting and Phase 2 Location



South Bay Salt Pond Restoration Project – Phase 2



**Phase 2 Project Locations –
Don Edwards San Francisco Bay National Wildlife Refuge**

Three pond groups in the Alviso pond complex

One pond group in the Ravenswood pond complex

Ravenswood and Alviso-Mountain View have proposed Phase 2 public access;

Alviso-A8 Ponds have future phase public access planned;

Alviso-Island Ponds have limited water access only

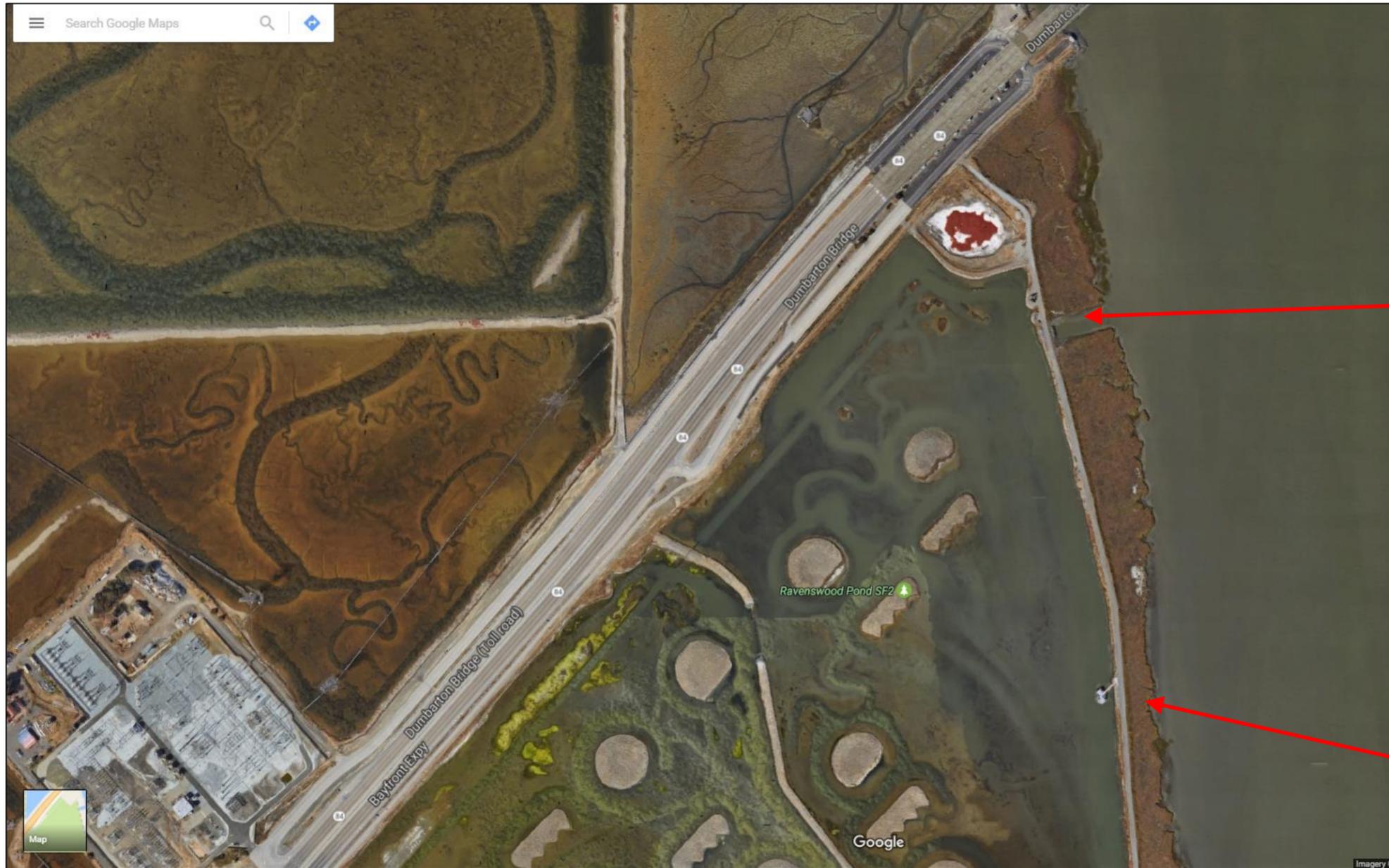
Overview of General Site Conditions



Clockwise from top-left: (1) Pond SF2 (Phase 1 project) trail and viewing platform with views of bay, marsh, and restored managed pond with habitat islands. (2) Pond R4 and City of Menlo Park's Bedwell Bayfront Park. (3) Restoration trajectory of Pond A21 from 2008-2011



Aerial Overviews of Phase 1 Viewing Areas: Ravenswood Pond SF2 – spur trail to viewing platforms



Views of SF Bay, fringing tidal marsh, and Pond SF2's habitat islands for nesting birds

Phase 1 Gates and Fencing

Clockwise from upper left: Lockable entry gate into Phase 1 trail from parking area, low (2-3 feet high) symbolic fencing also provides trash control, details of prohibited-access gates and fencing (allows Refuge maintenance staff/researchers, as shown)



Examples of Signage and Information Panels from Bedwell Bayfront Park and Shoreline Park

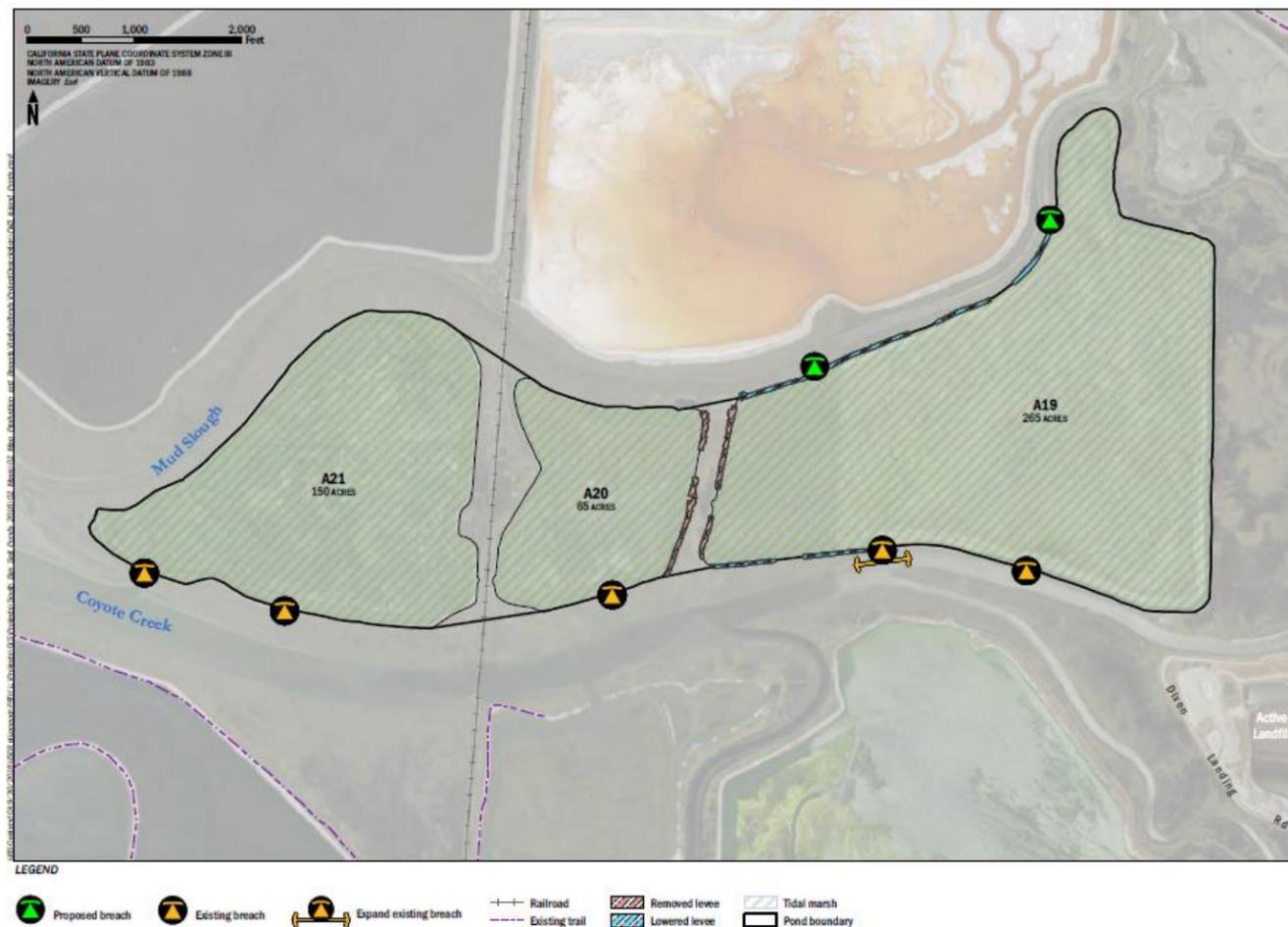


Phase 1 Recreation and Public Access Features

These are photos of many of the Phase 1 viewing platforms, information panels, and designs. The Phase 2 designs would be similar to these in content and scale but could be modified to fit in with the visual context of the adjacent city parks, shown above.

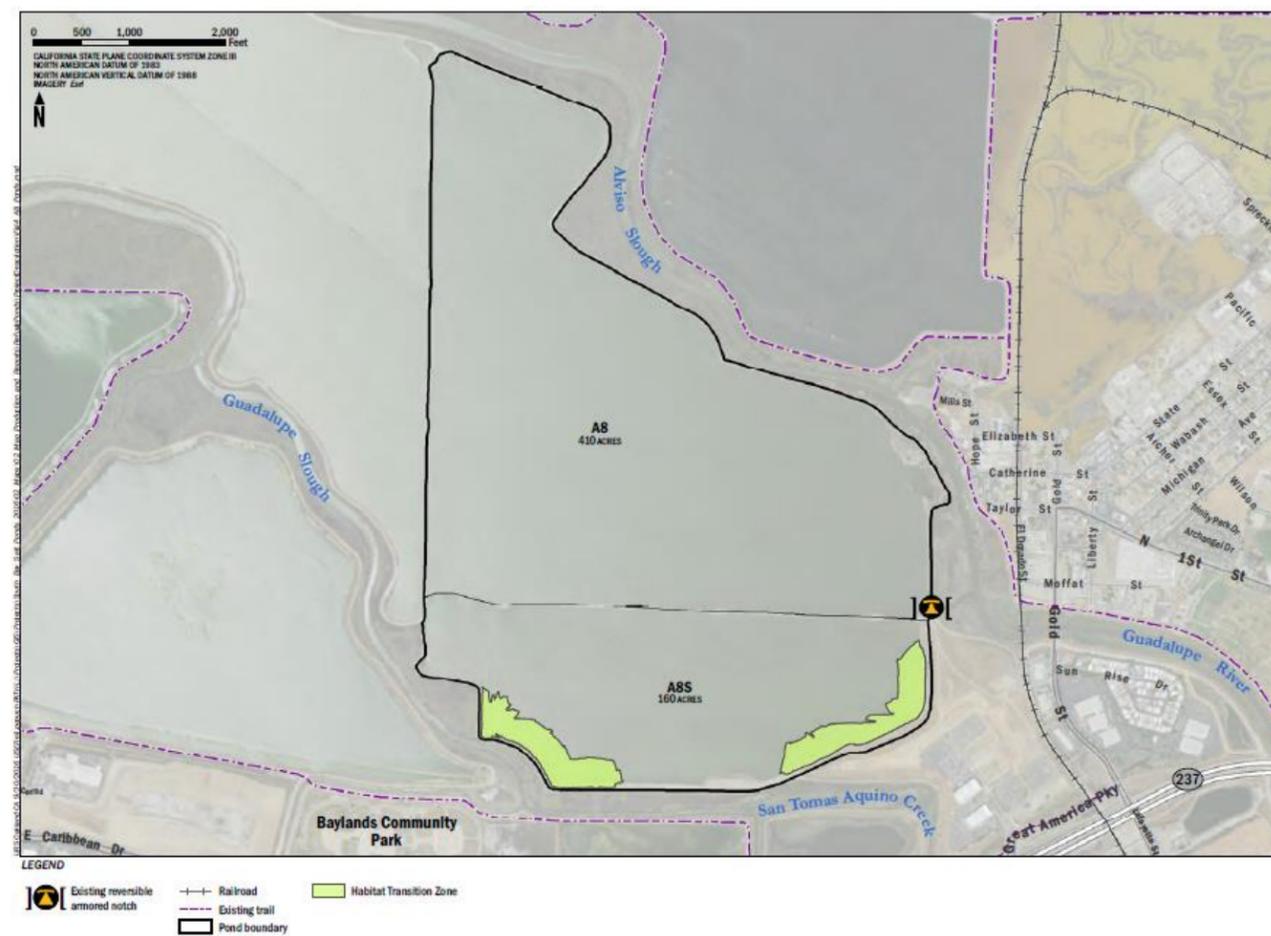


**Alviso – Island Ponds:
Enhancement of Tidal Marsh Restoration**

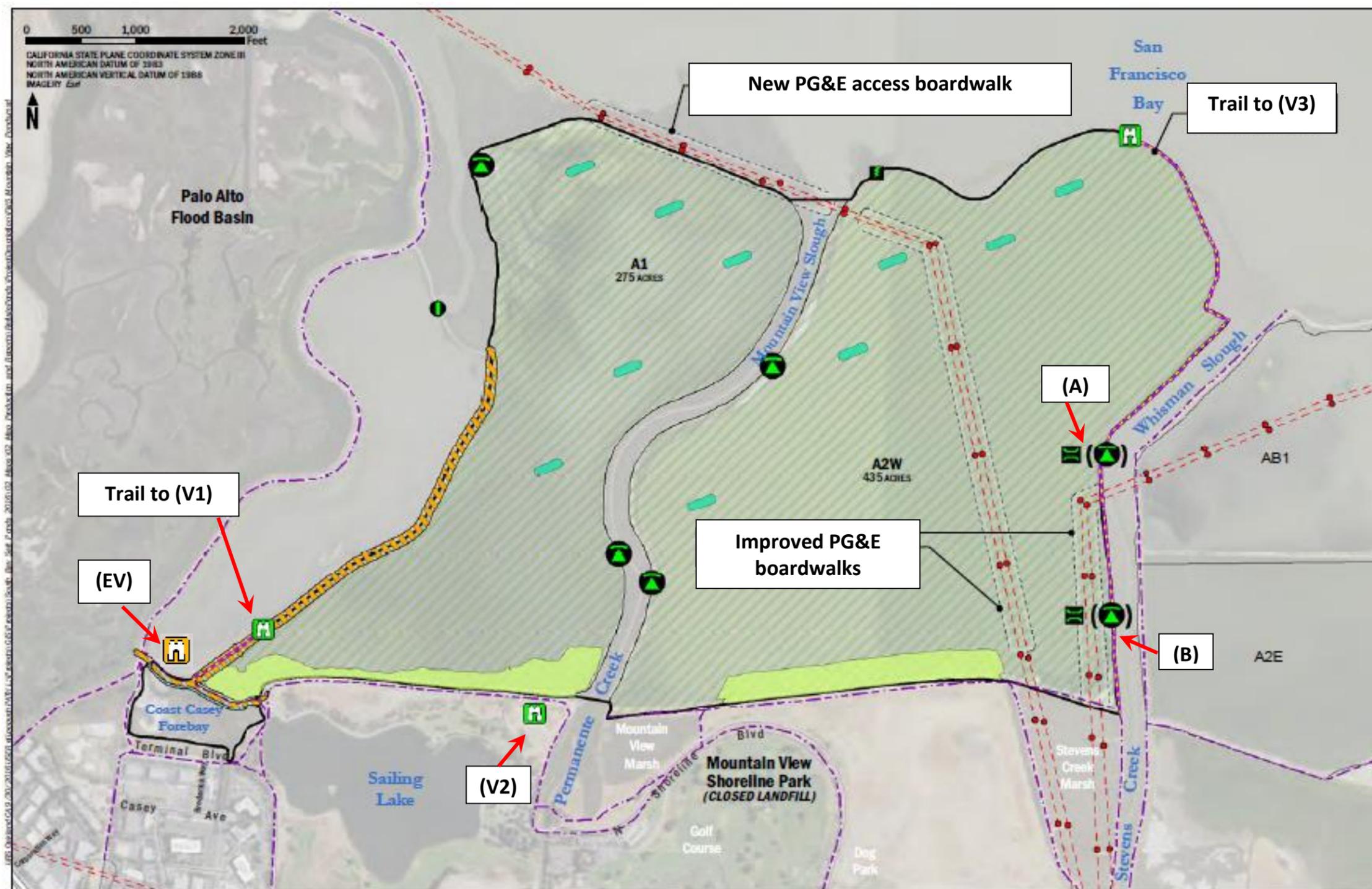


No proposed public access Phase 2 features
Modify levee to add habitat complexity, speed marsh formation

**Alviso – A8 Ponds
Enhancement of Prior Managed Pond Restoration**



No proposed public access Phase 2 features
Habitat transition zones to improve complexity and protect a closed landfill
Sets stage for public access as part of future marsh restoration



Alviso – Mountain View Ponds

Tidal Marsh Restoration

Two new trails – both to be spurs from Bay Trail spine within city's Shoreline Park

Three new viewing platforms to mix of habitats (V1), (V2), and (V3)

Retention of access to existing viewing platform (EV)

Two new bridges to cross proposed breaches (A) and (B)

Reconstruction of Bay Trail and Shoreline Park trails wherever disturbed

LEGEND

Existing control gate	Proposed armored breach (two sides)	PG&E tamaround	PG&E tower	Tidal marsh	Habitat Transition Zone
Proposed breach	Bridge	Viewing platform	PG&E power line	Levee Improvement	Habitat Island
Existing platform		Phase 2 trail	Existing trail	Levee Lowering	Pond Boundary

Mountain View Ponds Site Photos

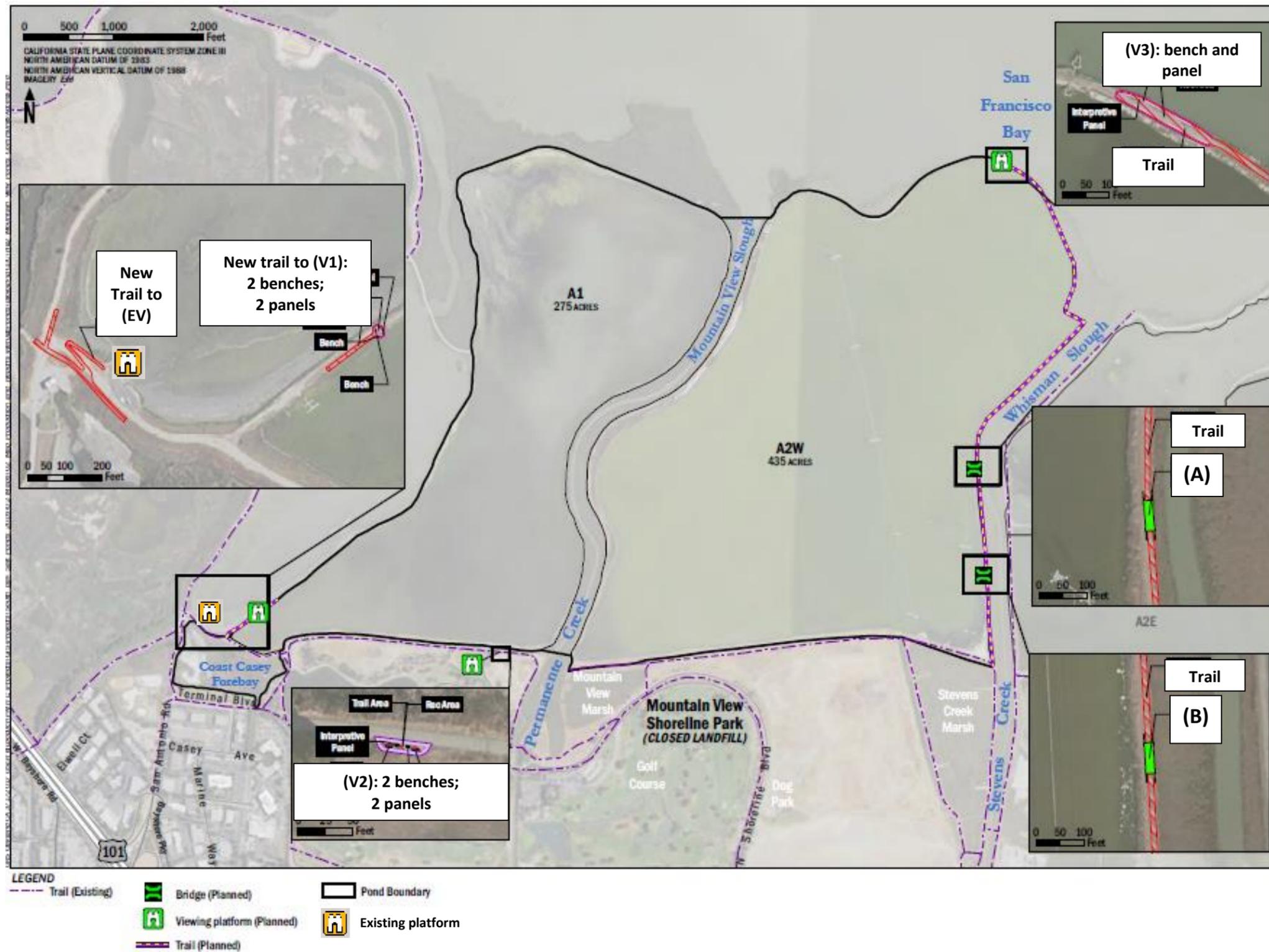


Clockwise from top-left:

- 1. View from Shoreline Park looking northwest into Pond A1.**
- 2. View into Pond A2W from Bay Trail spine in Shoreline Park**
- 3. Pond A1 from Bay Trail spine in Shoreline Park**
- 4. Existing PG&E infrastructure at southeast corner of Pond A2W.**



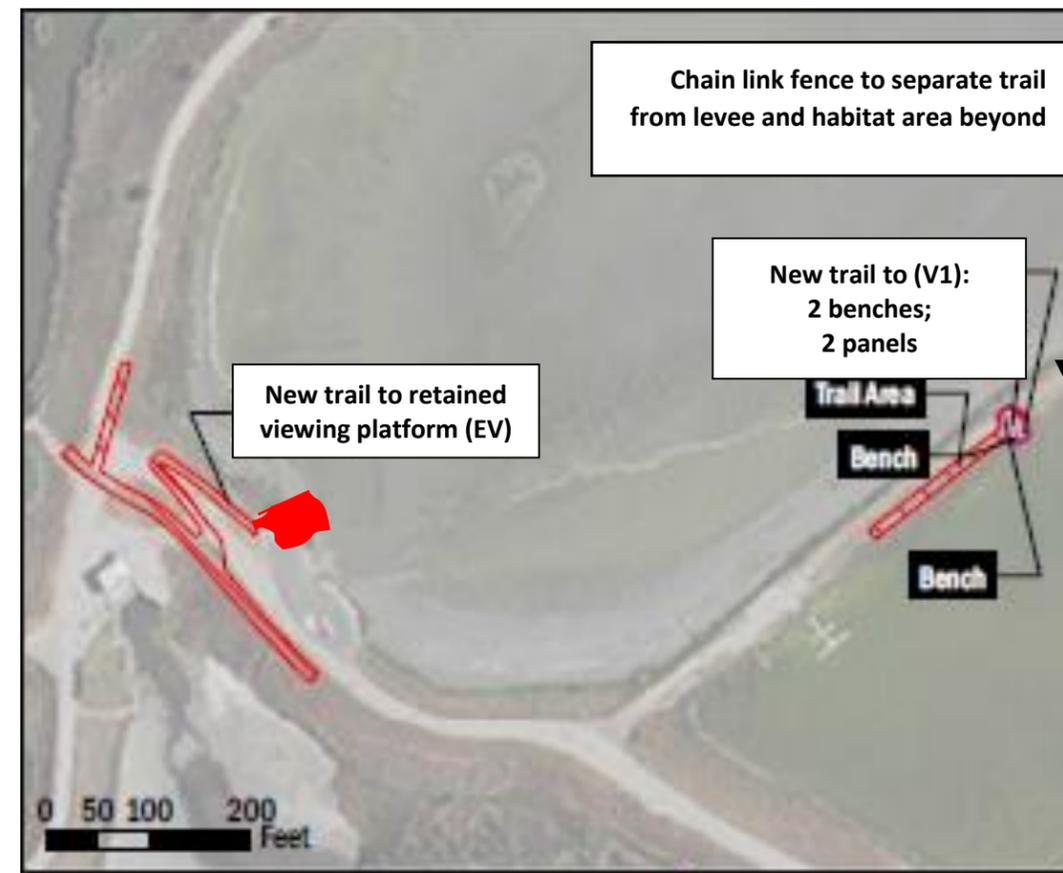
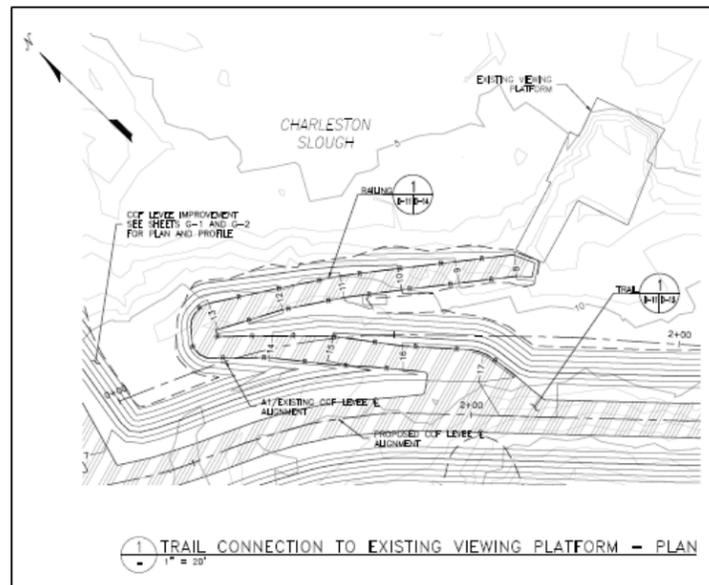
Alviso – Mountain View Ponds Public Access Features



Ramp to Charleston Slough Viewing Platform

- ADA-compliant ramp from raised levee top to existing viewing platform (EV)
- ~150 feet long
- Graded and surfaced
- Existing Bay Trail will be repaved after levee raise

Coast Casey Forebay levee (right side of lower-left photo) would be raised several feet. Bay Trail (paved path) would be rebuilt. New ramp from raised trail to existing platform would be built. Views in Charleston Slough vary with tides. Photo below is near low tide.



Trail to Mountain View Viewing Platform 1 (V1)

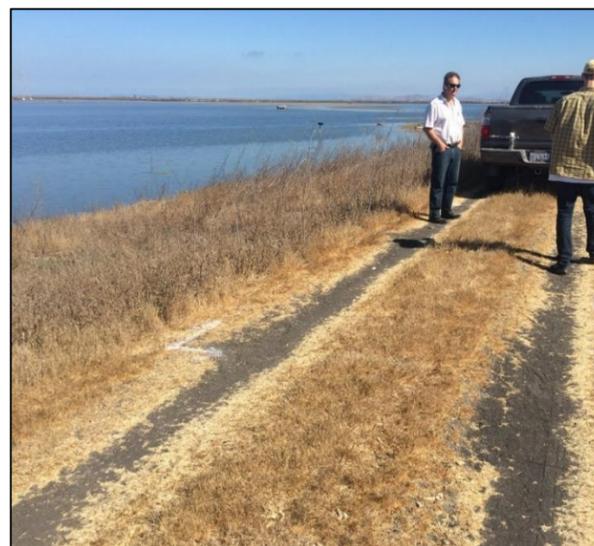
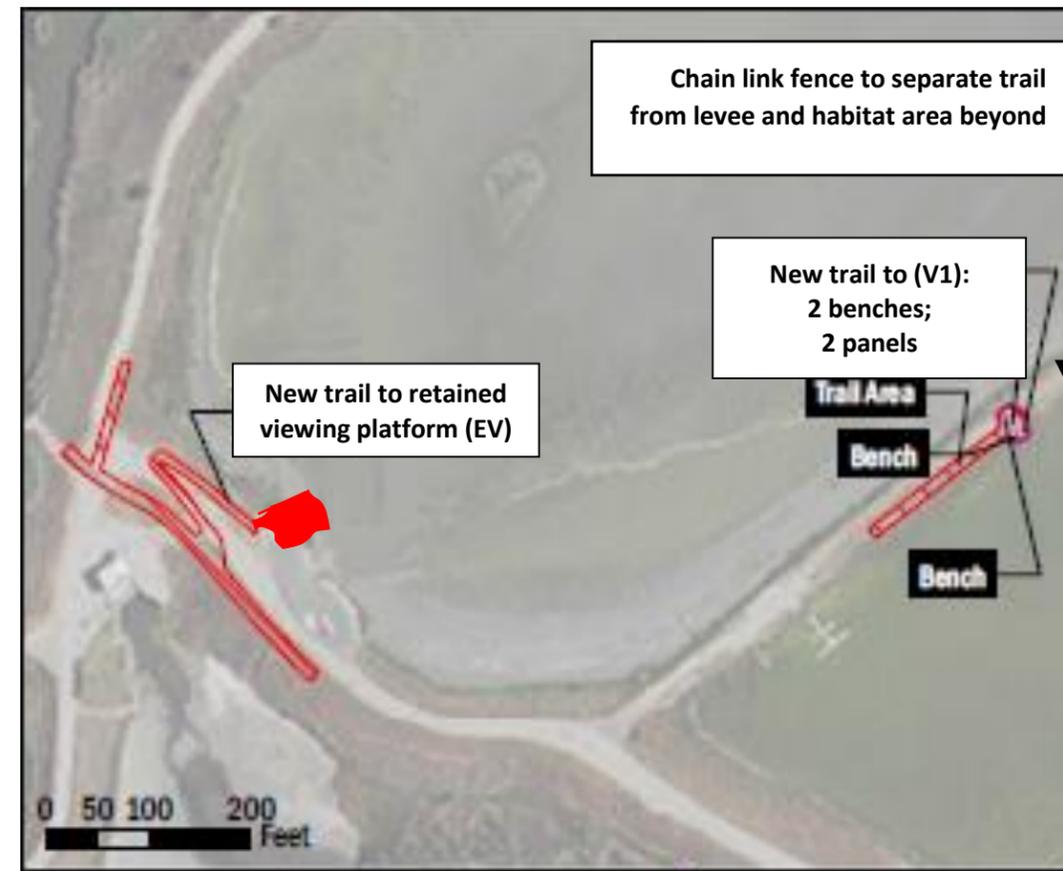
Trail on improved levee top:

- 500 feet long (5- to 10-minute walk)
- 10- to 12-foot wide + 2 foot shoulders
- Aggregate base with polymer stabilizer
- Connects to Bay Trail spine on south
- Ends at viewing platform

Views from approximate location of viewing platform atop proposed raised levee between Pond A1 and Charleston Slough.

Viewing Platform (V1)

- Two sets of benches and panels
- One faces into Charleston Slough's tidal mud flat
- One faces into restoring Pond A1
- Area ~830 square feet



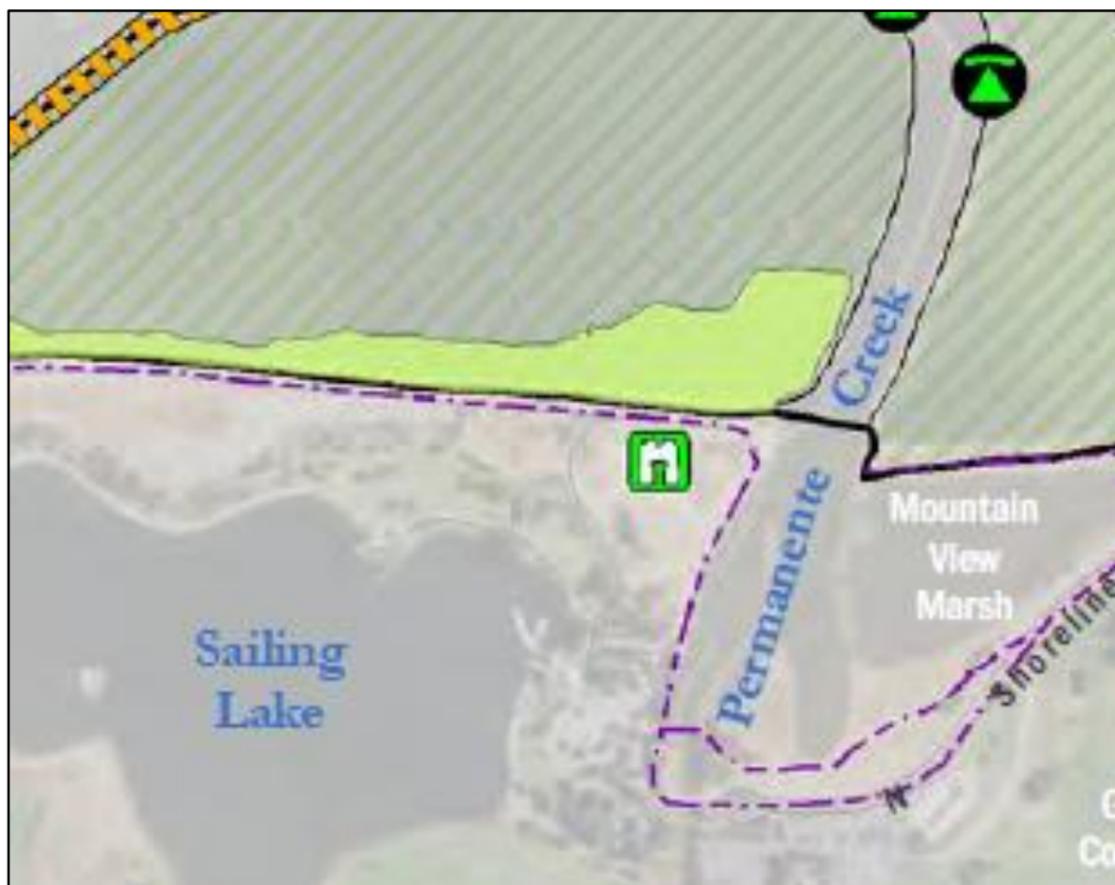
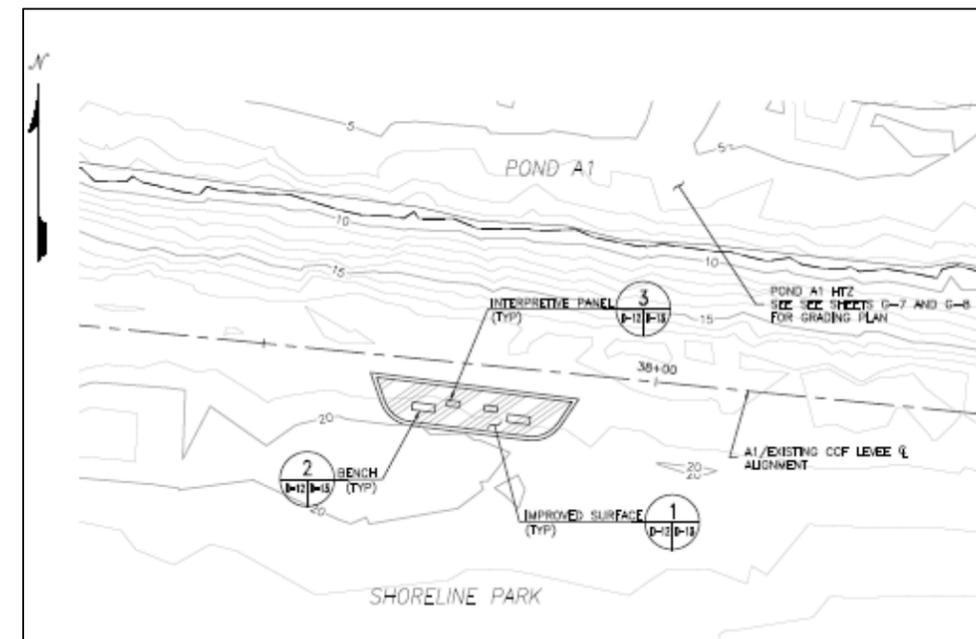
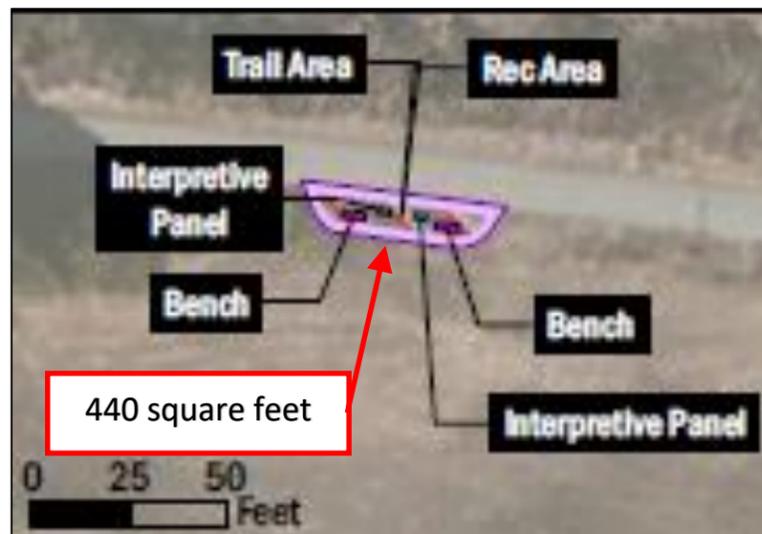
Visual Simulation of Pond A1-Charleston Slough Trail and Viewing Platform 2



Mountain View Viewing Platform 2 (V2)

- Benches and information panels
- Cut-in from existing Bay Trail
- Graded and surfaced like trails
- View of restoring Pond A1
- Area 440 square feet
- Near sailing lake

Photos are looking into Pond A1 from the south; taken from existing Bay Trail at approximate location of proposed Shoreline Park viewing platform



Similar view from a nearby viewing area



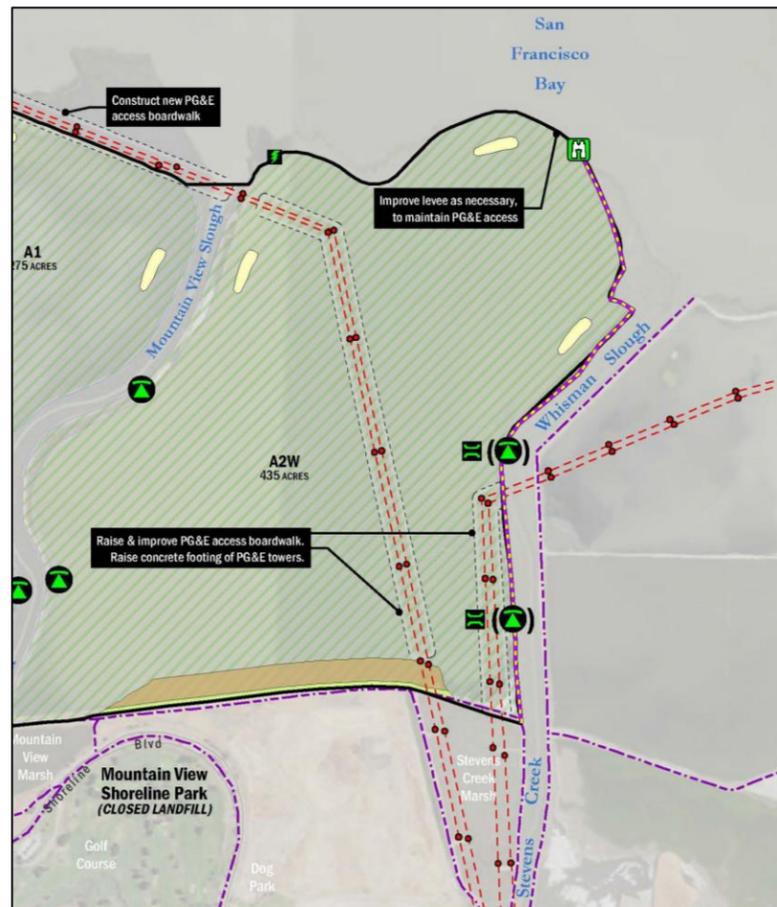
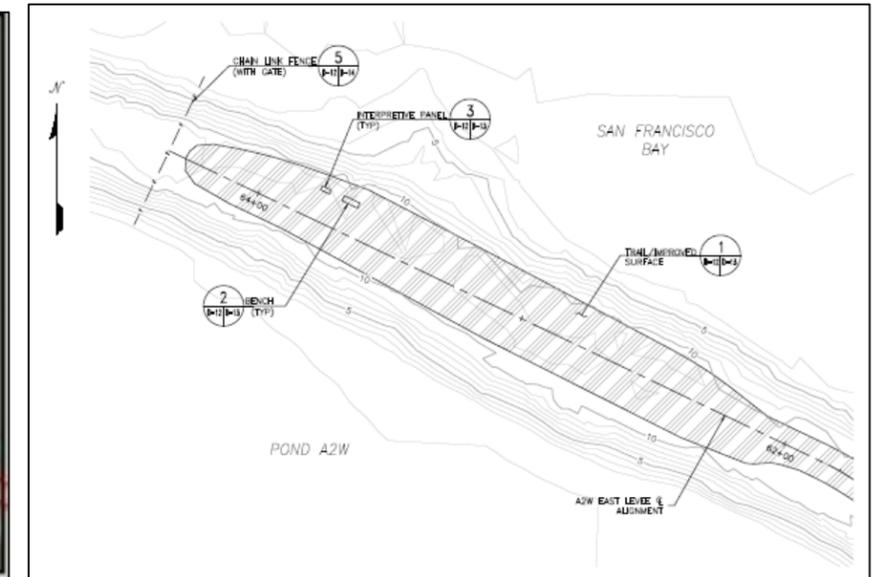
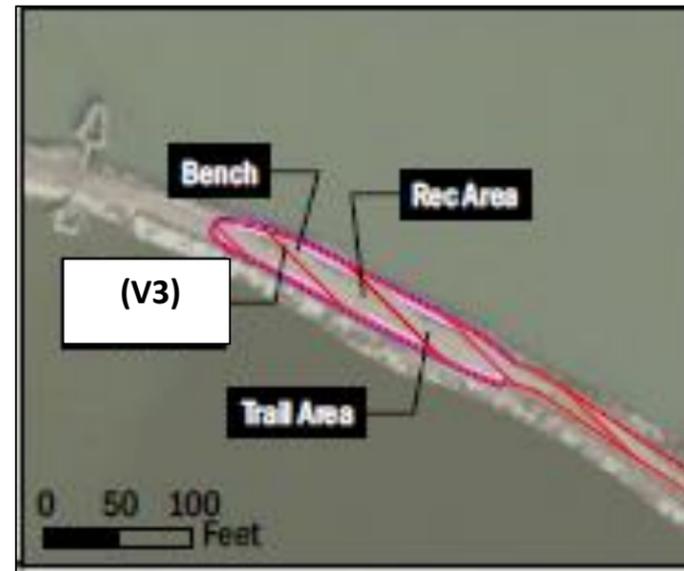
Pond A2W Trail to Viewing Platform (V3)

Trail on improved levee east of Pond A2W:

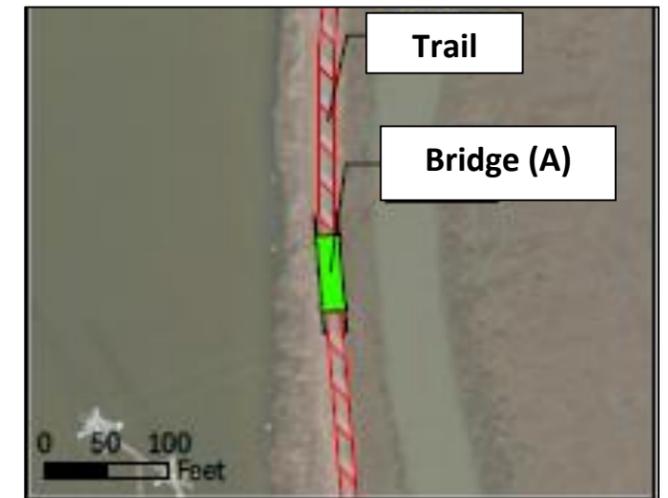
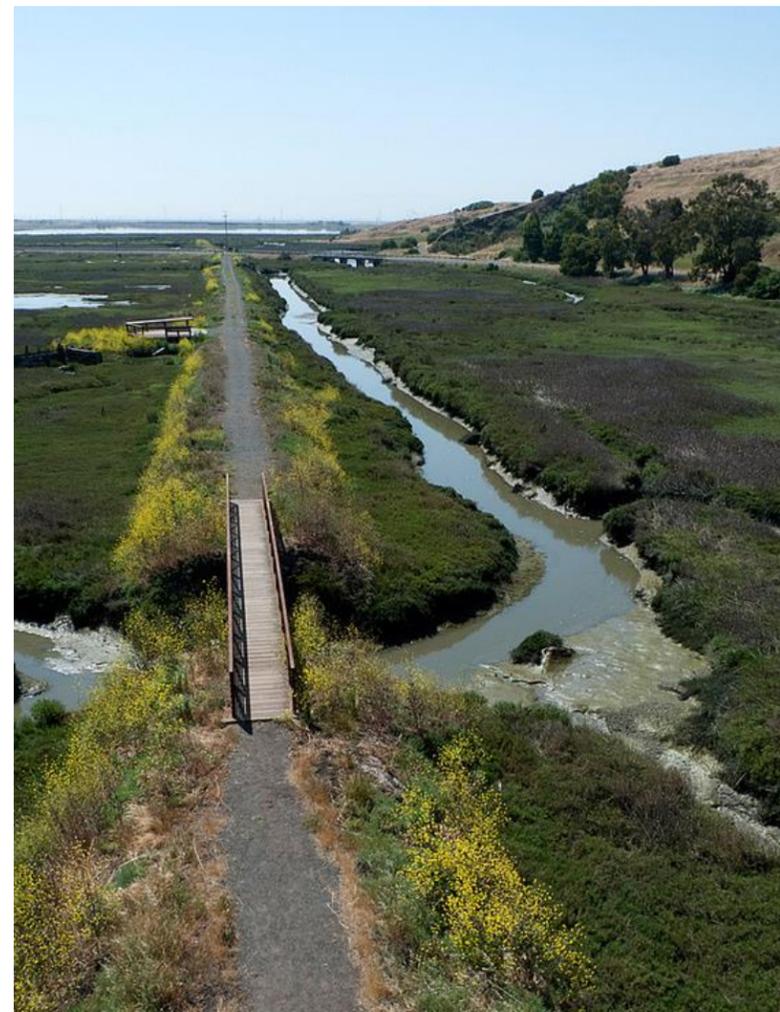
- Over one mile (~30-minute walk)
- 10- to 12-foot wide + 2 foot shoulders
- Aggregate base surface
- Connects to Bay Trail spine and city park
- Viewing platform at its end
- Bridges to cross two breaches
- Provides “blue water” view of SF Bay

Viewing Platform (V3):

- Two benches and information panels
- Area = 1,900 square feet

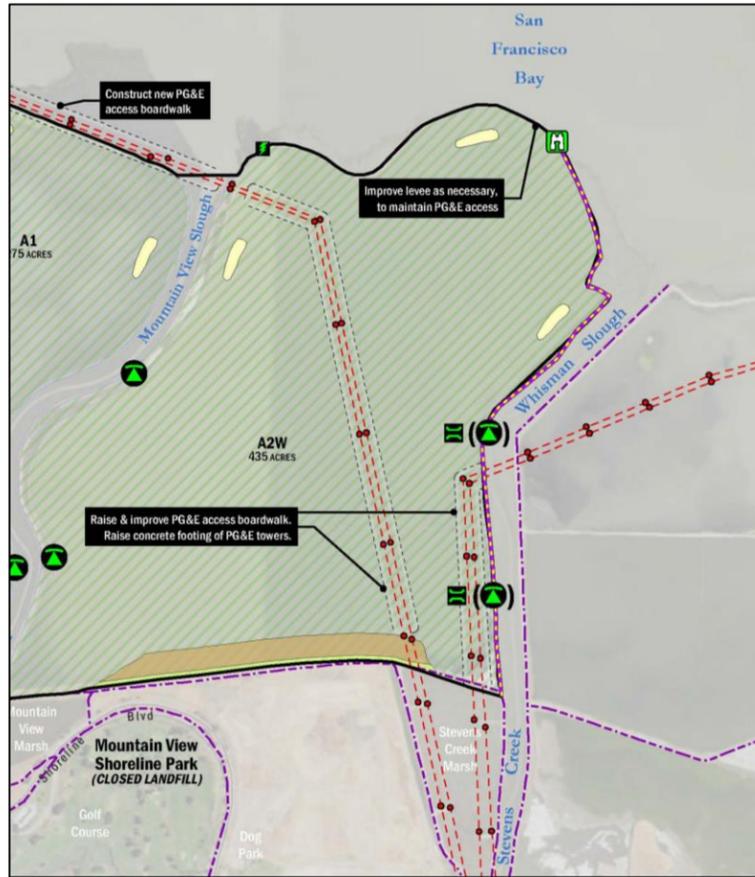


Similar bridge appearance and setting, but proposed would be larger for vehicle access



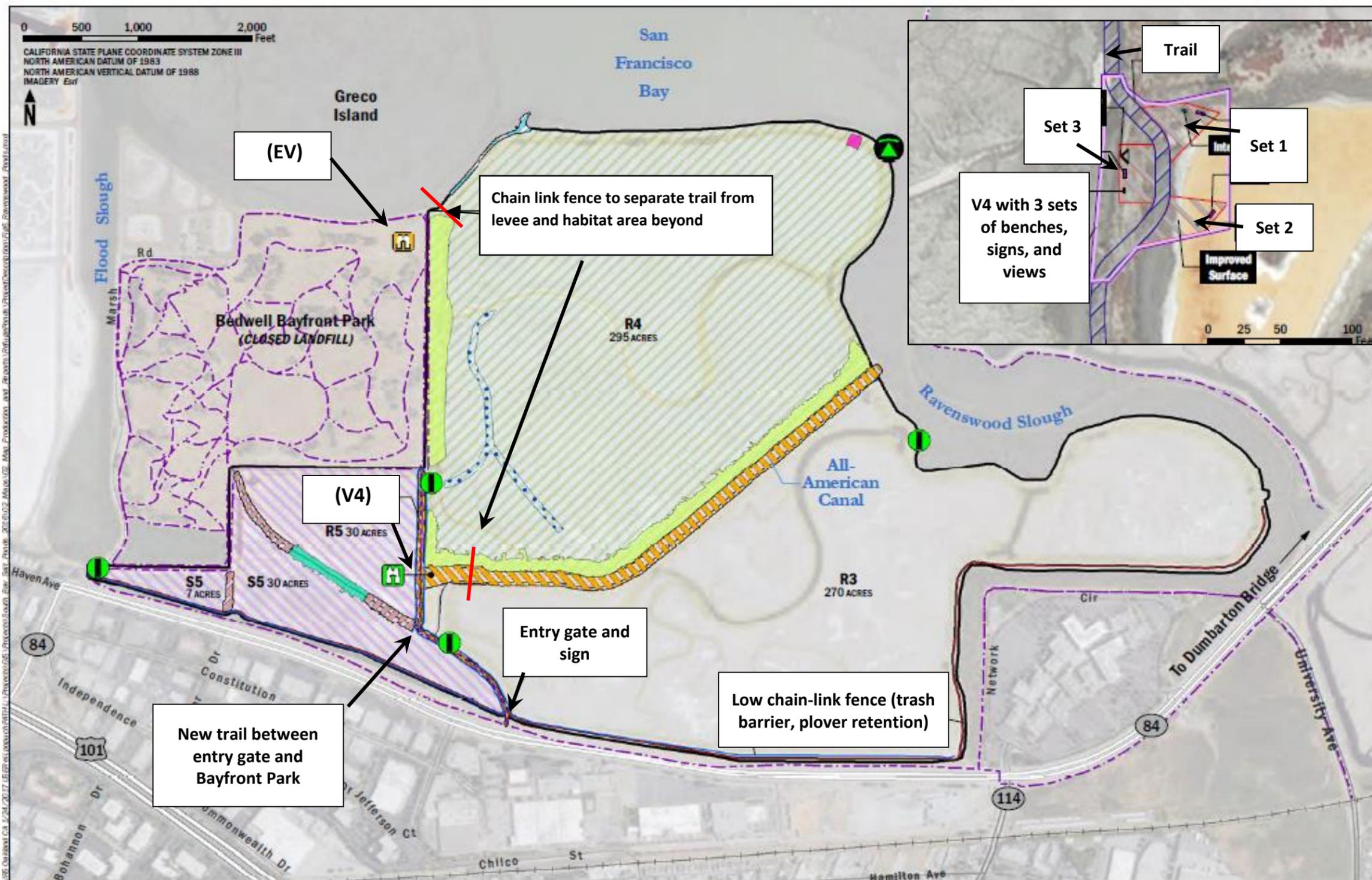
Views from Mountain View Pond A2W East Levee (Proposed Trail Route)

Stevens Creek and existing marsh (left); Pond A2W (right)



View from end of A2W levee trail will be similar to this, taken at a Phase 1 bay-facing trail location

Gate at trail's end would be similar to the above



Ravenswood Ponds

Mix of Tidal Marsh Restoration and Managed Pond Restoration

New trail (1/2 mile)

Completes loop around managed ponds

Connects to Bay Trail and Bedwell Bayfront Park trail

New viewing platform (V4) at center of trail



Ravenswood Ponds Site Photos



Top-left: Greco Island and Pond R4; taken from a Phase 1 viewing platform atop Bedwell Bayfront Park. Pond R4 would be restored to marsh and connect to Greco Island by lowering levee between them.

Top-right: View into Pond R4 from Bayfront Park trail

Bottom row: Views of seasonally dry salt pannes.



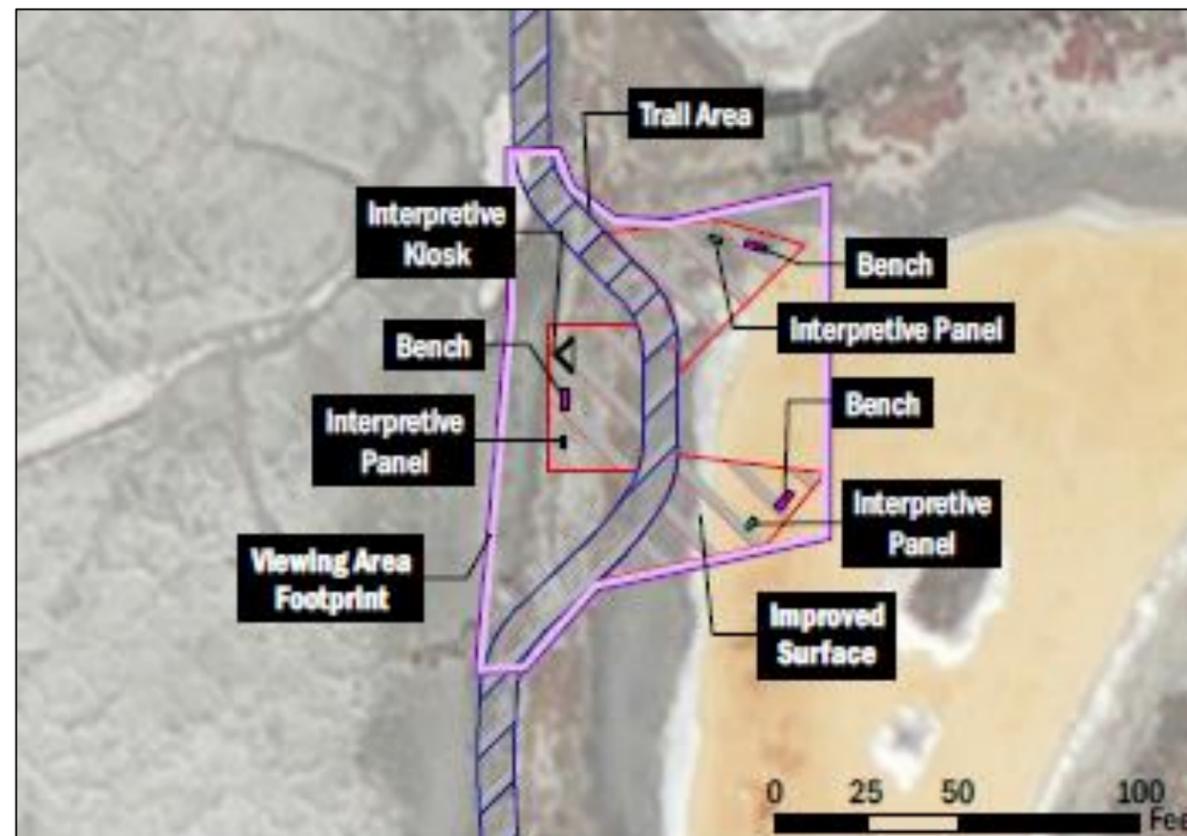
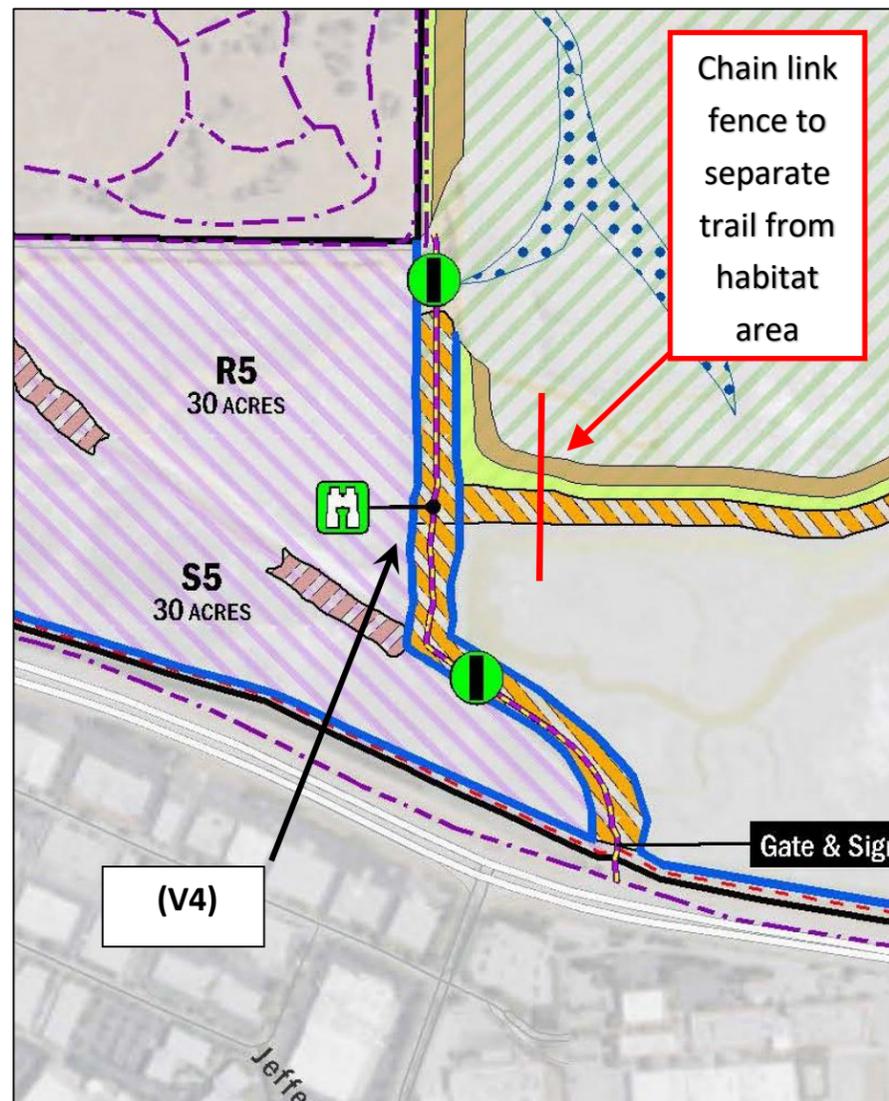
Ravenswood Public Access Features

Trail on improved levee top:

- One-half mile (10- to 15-minute walk)
- 10- to 12-foot wide + 2 foot shoulders
- Aggregate base with polymer stabilizer
- Connects to Bay Trail spine on south
- Connects to Bayfront Park on north
- Completes a loop around Ponds R5/S5
- Three-part viewing platform at its center
- Symbolic fencing (post & cable) on each side



Symbolic fencing (examples above) would run entire length (blue lines on each side) of raised levee trail



Three red outlined areas sum to 9,960 square feet.
Each faces a different restoring habitat; photos of similar habitats follow.
Levee and platform will be elevated several feet above surrounding areas.

Viewing Platform 4 (VP)

- Three sets of benches and panels, combined area = 9,960 square feet
- Each one oriented toward a different restored habitat
 - Tidal marsh in Pond R4
 - Dry salt panne for plover in Pond R3
 - Managed ponds for shorebirds in Ponds R5 & S5

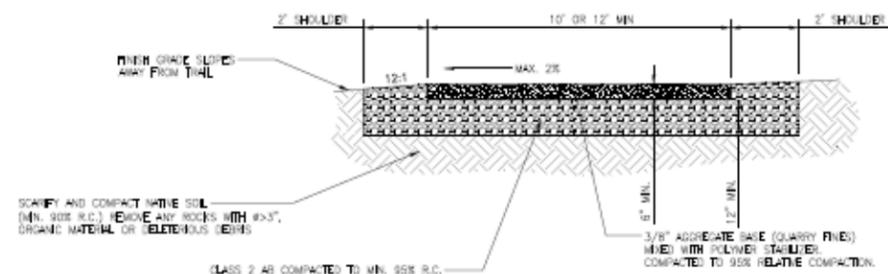
Approximate location of Ravenswood Trail Viewing Platform



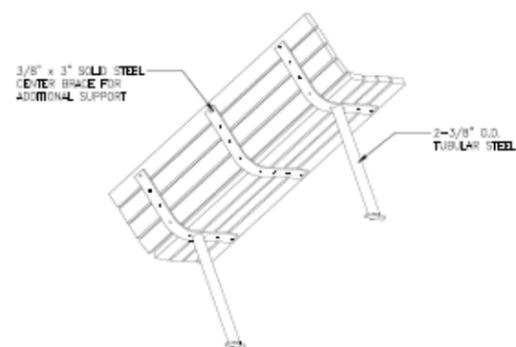
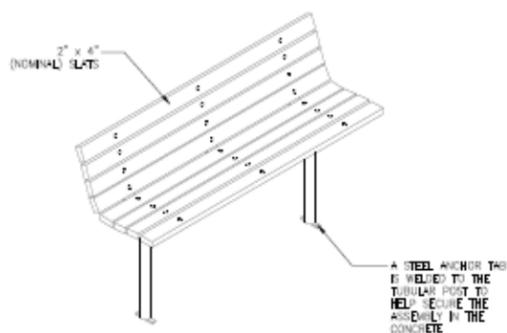
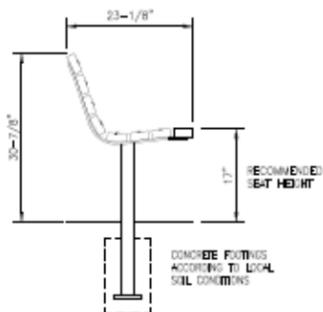
It would be placed at intersection of two existing remnant levees, which would be raised by several feet. Levees and derelict salt-making infrastructure are visible. Ponds in all directions are currently seasonally dry salt pannes, as shown in photos in bottom row. One would be kept as-is, one would become tidal marsh, and one would be enhanced managed ponds. of the latter habitat types Examples from nearby locations are shown (lower center and lower right).



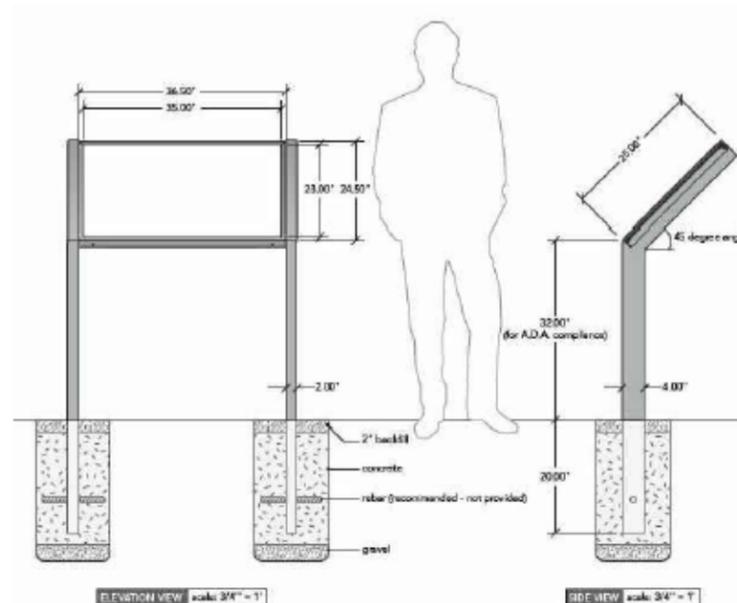
Typical Designs of Benches and Viewing Panels



1 TRAIL/IMPROVED SURFACE
NTS



2 BENCH
NTS



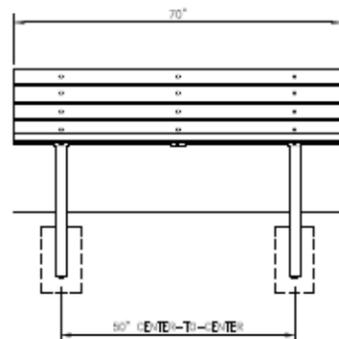
Cantilever (CAN)

Product Specifications

Product ID: 3624 NPS CAN
 Frame dimensions: 36.5" x 24.5"
 Graphic panel dimensions: 36" x 24"
 Visible opening: 35" x 23"
 Construction: aluminum
 Finish: textured polyurethane paint (standard)
 powder coat (optional)



3 INTERPRETIVE PANEL
NTS



PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)

REV	DESCRIPTION	BY	CHK	APP	DATE

WARNING
 0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

PREPARED BY
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 CHECKED: G. OROZCO / J. ZARCHI
 FIELD REVIEWED: S. GENTZLER
 APPROVED: S. GENTZLER

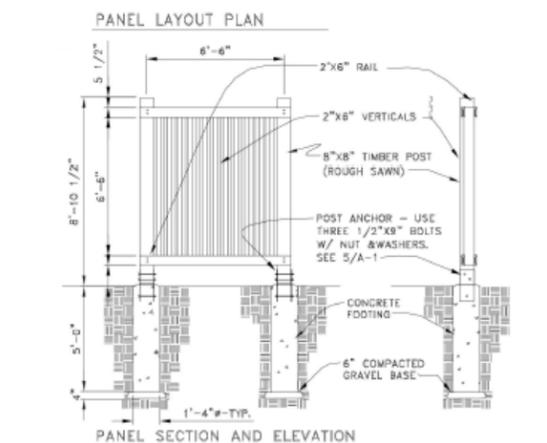
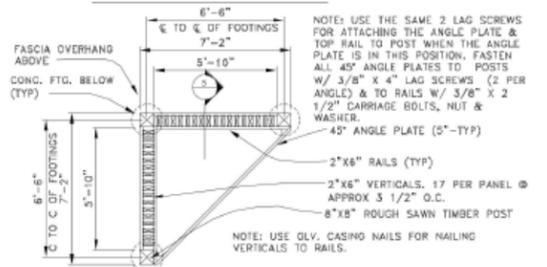
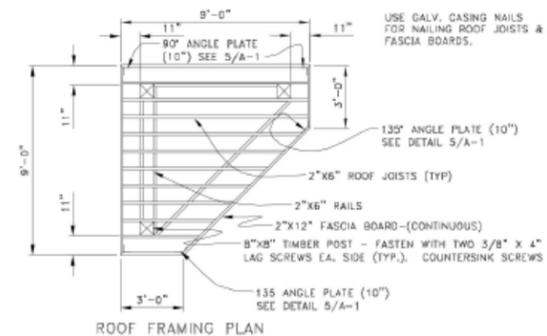
STATE OF CALIFORNIA
Coastal Conservancy
 PROJECT NO: 80422372 DATE: 12-09-2016

PROJECT: SOUTH BAY SALT POND RESTORATION PROJECT
 SHEET TITLE: MOUNTAIN VIEW PONDS PUBLIC ACCESS FEATURES DETAILS - SHEET 1 OF 2

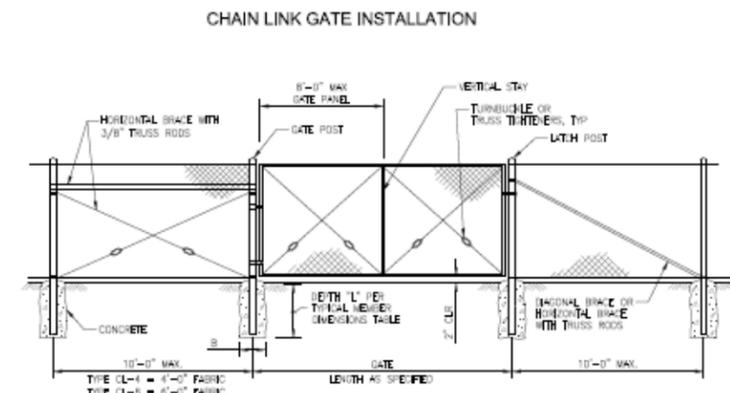
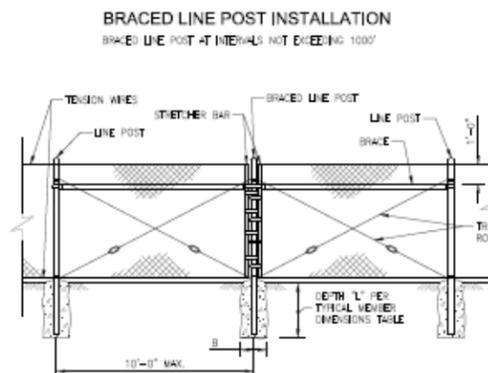
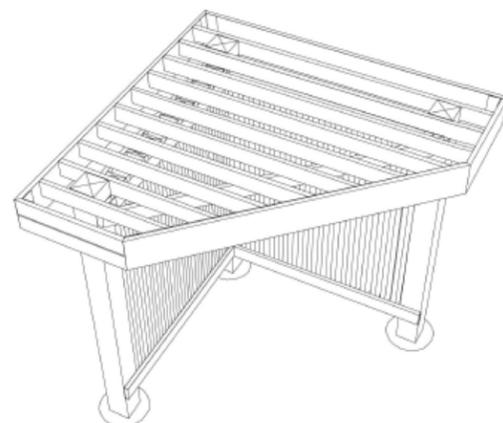
SHEET NO: 31 OF 33 SHEETS
 DWG NO: D-13



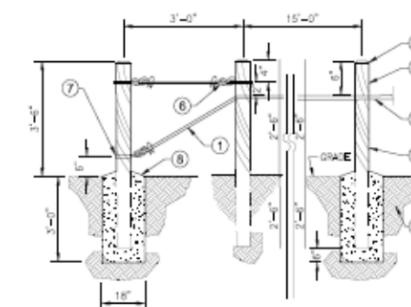
Typical Designs of Information Kiosk and Chain Link Fences/Gates



6 INFORMATION KIOSK (USFWS)
- NTS



4 CHAIN LINK FENCE WITH GATE
- NTS



TERMINAL POST ANCHOR DETAIL

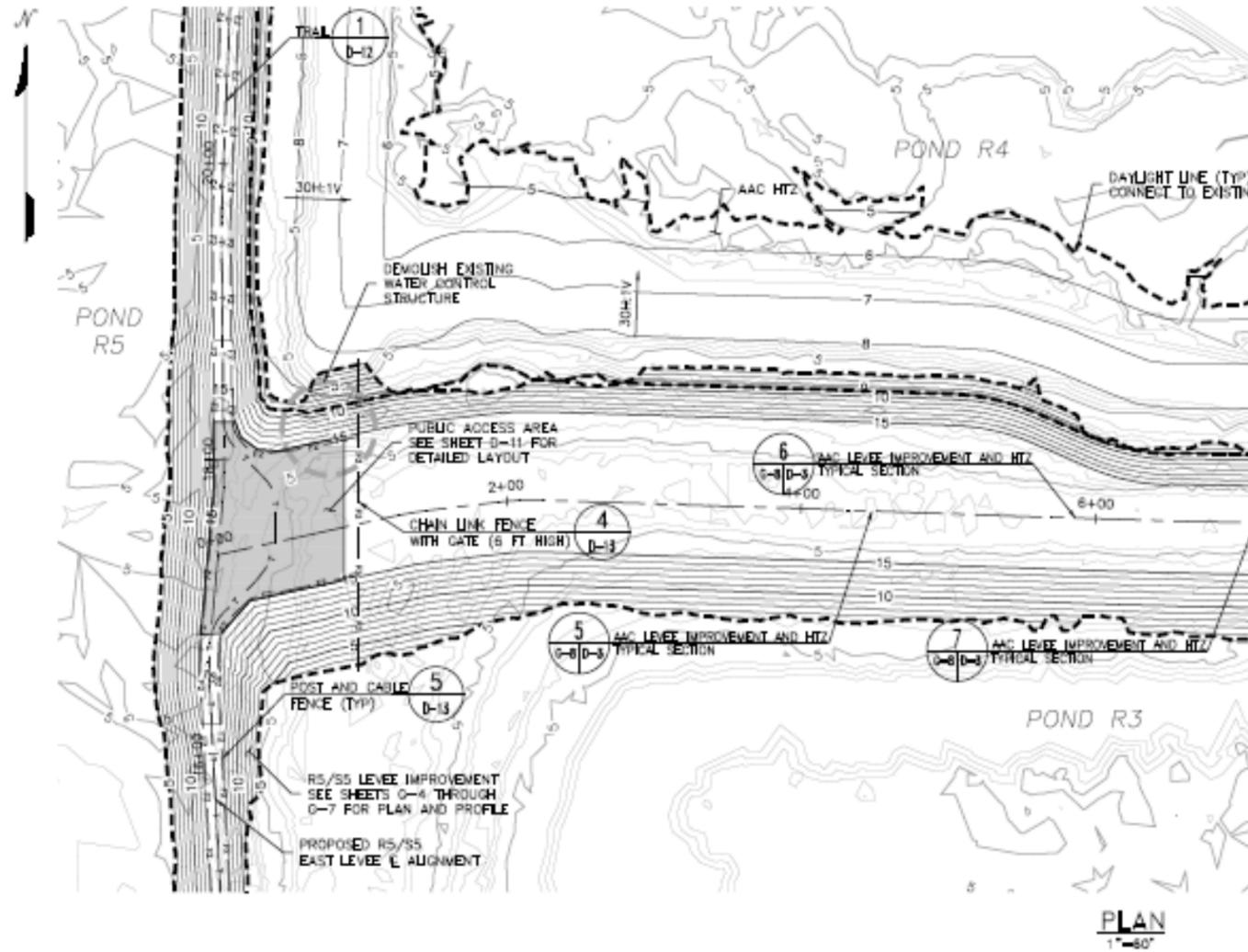
- NOTE:
- 3/8" DIA. 7 STRAND GALVANIZED WIRE ROPE
 - 1" BEVEL 45°
 - 1/2" (ØA DRILLED) HOLE
HOLE TO BE FILLED WITH GREASE FOR CORROSION PROTECTION. GREASE SHALL NOT MELT OR RUN AT A TEMPERATURE OF 85°C.
 - 6" X 6" X 5' - 0" REDWOOD POST ROUGH CONSTRUCTION GRADE (RED TREAT POST WHILE EMERGED IN GROUND)
 - SUBGRADE COMPACTED TO 90% RELATIVE DENSITY

LINE POST DETAIL

- USE 3/8" X 2" GALVANIZED WIRE ROPE CLIP FOR CONNECTION AND SPICES. ALL CLIPS TO BE PLACED WITH NUTS FACING DOWNWARD.
- ROUNDED 3/8" X 6" GALV. EYE BOLT 1" Ø. ØC. PLUS GREASE
- CONCRETE FOOTING, SLOPE TO DRAIN
- WIRE CLIP TO BE INSTALLED EVERY 10TH POST TO MAINTAIN CABLE TENSION

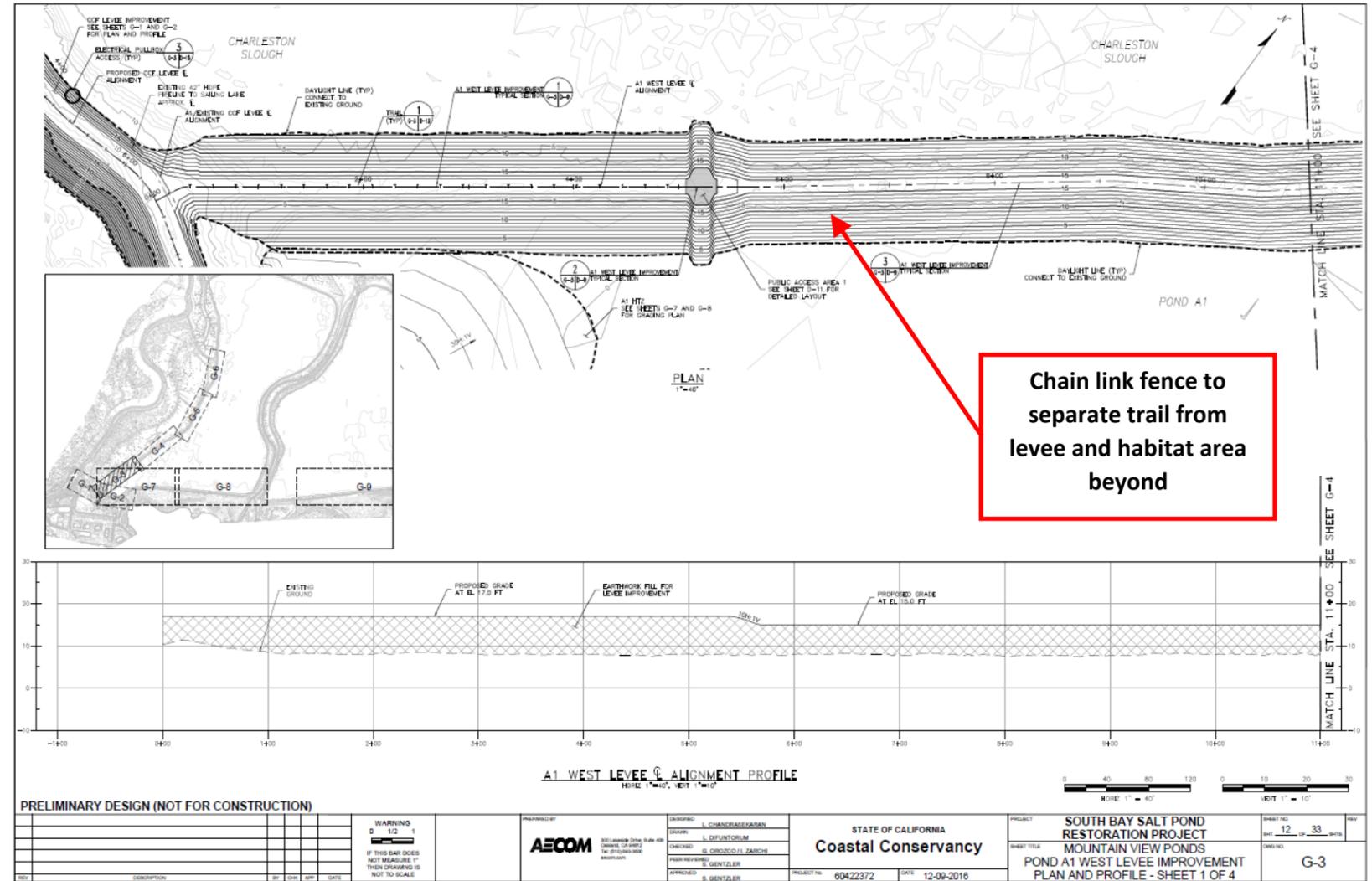
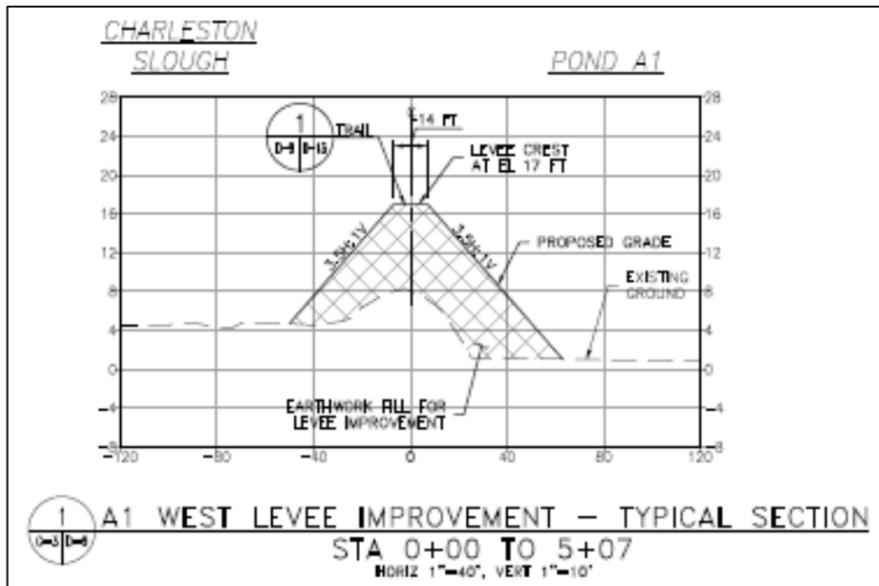
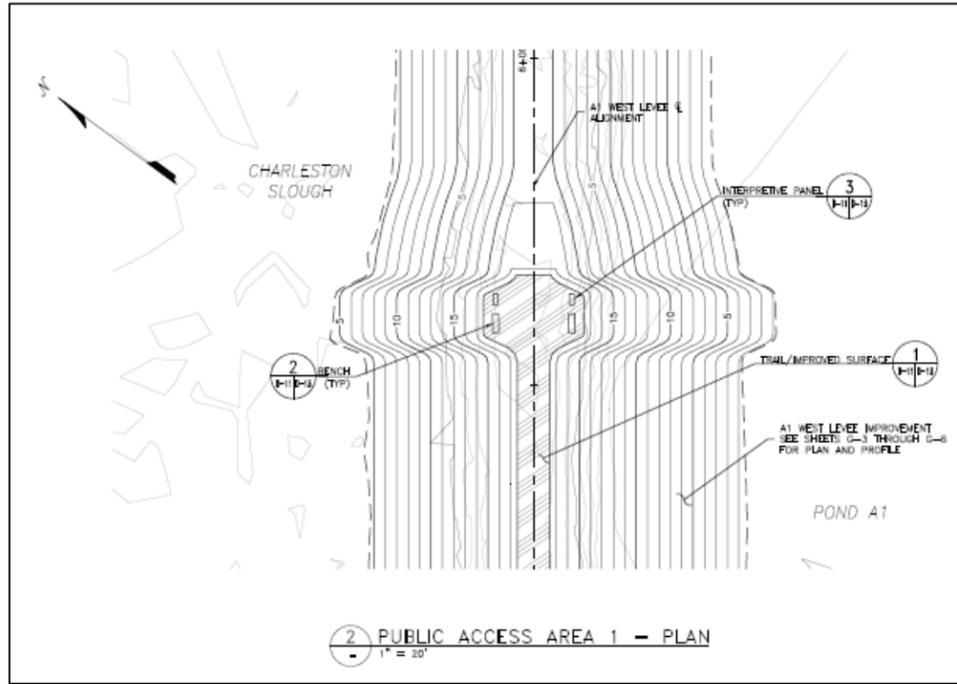
5 POST AND CABLE FENCE
- NTS

Viewing Platform Area

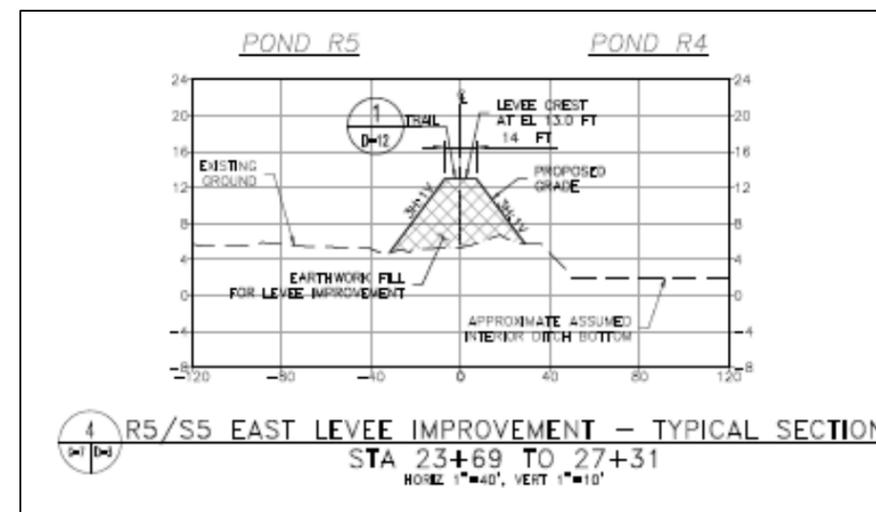
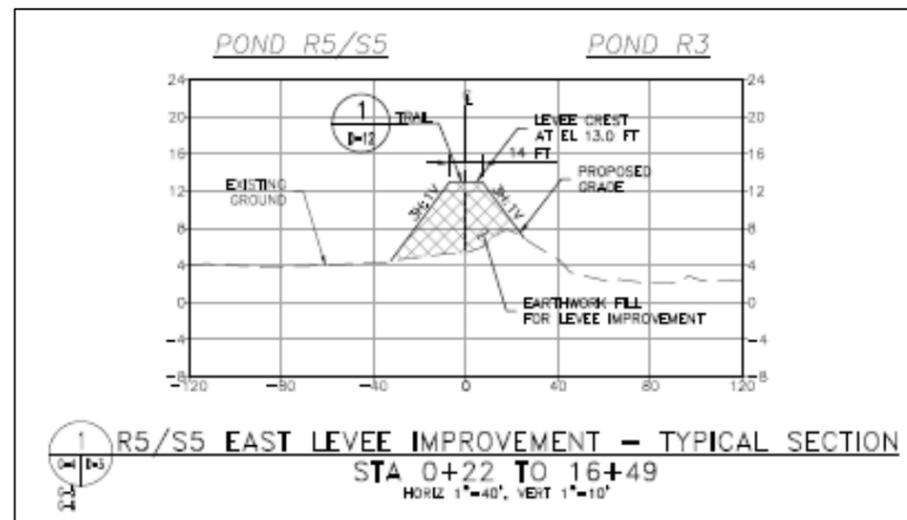
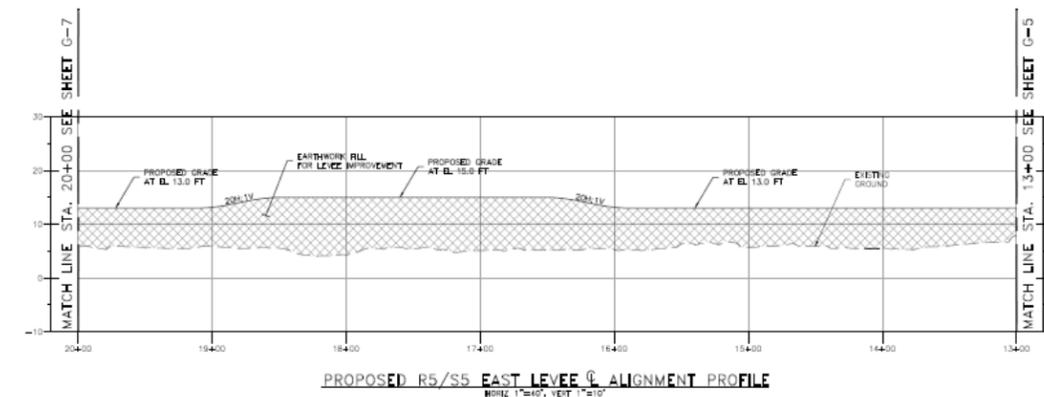
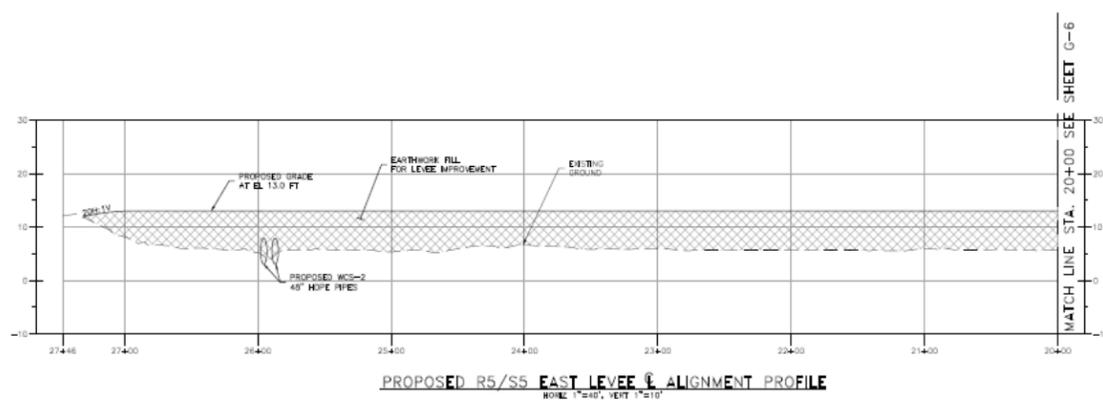
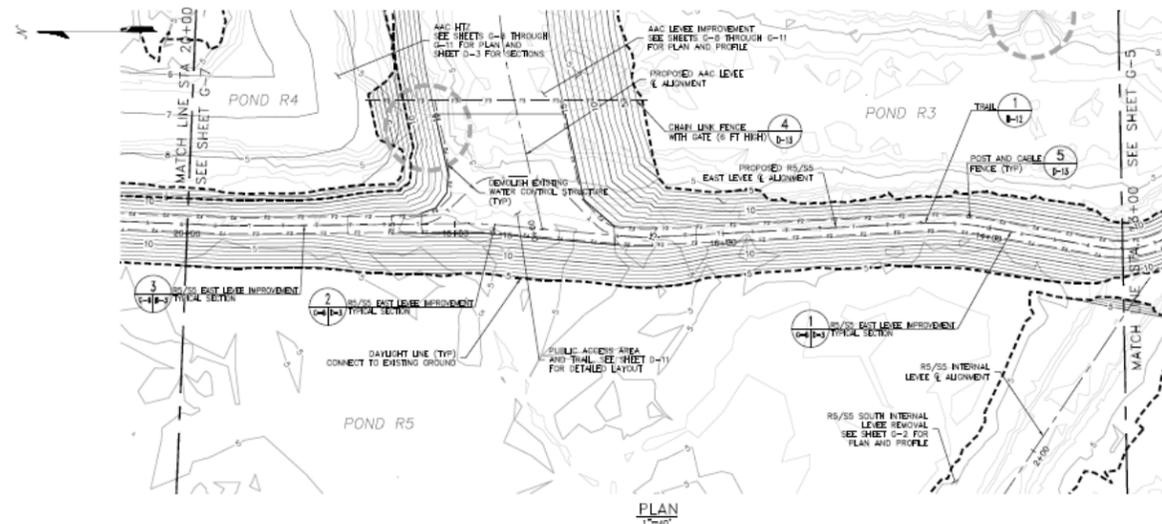
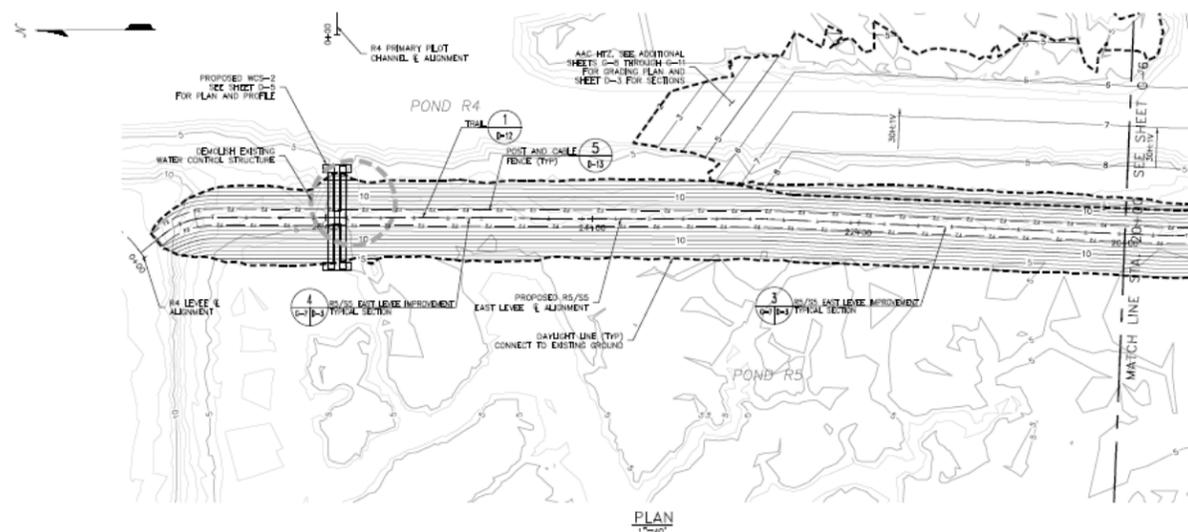


Chain-link fence to keep pedestrians out of restoration areas; representative of versions to be included in Phase 2 project actions.

Design Details – Trail on W. Levee of Pond A1



Design Details – Ravenswood Public Access Features – Trail and Viewing Platform on Raised Levee



SBSP Restoration Project Timeline

