

COPING WITH A STRING OF NASTY BREAKUPS



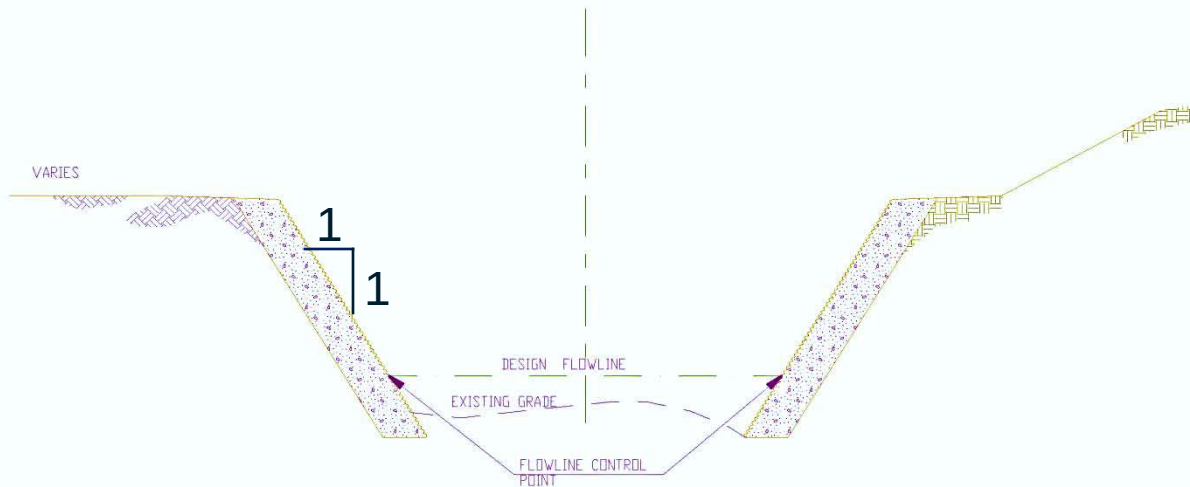
Santa Cruz River - Continental Reach

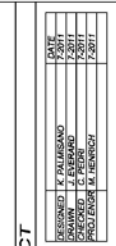


Continental Ranch Segment



Low Flow Bank Protection





JRS

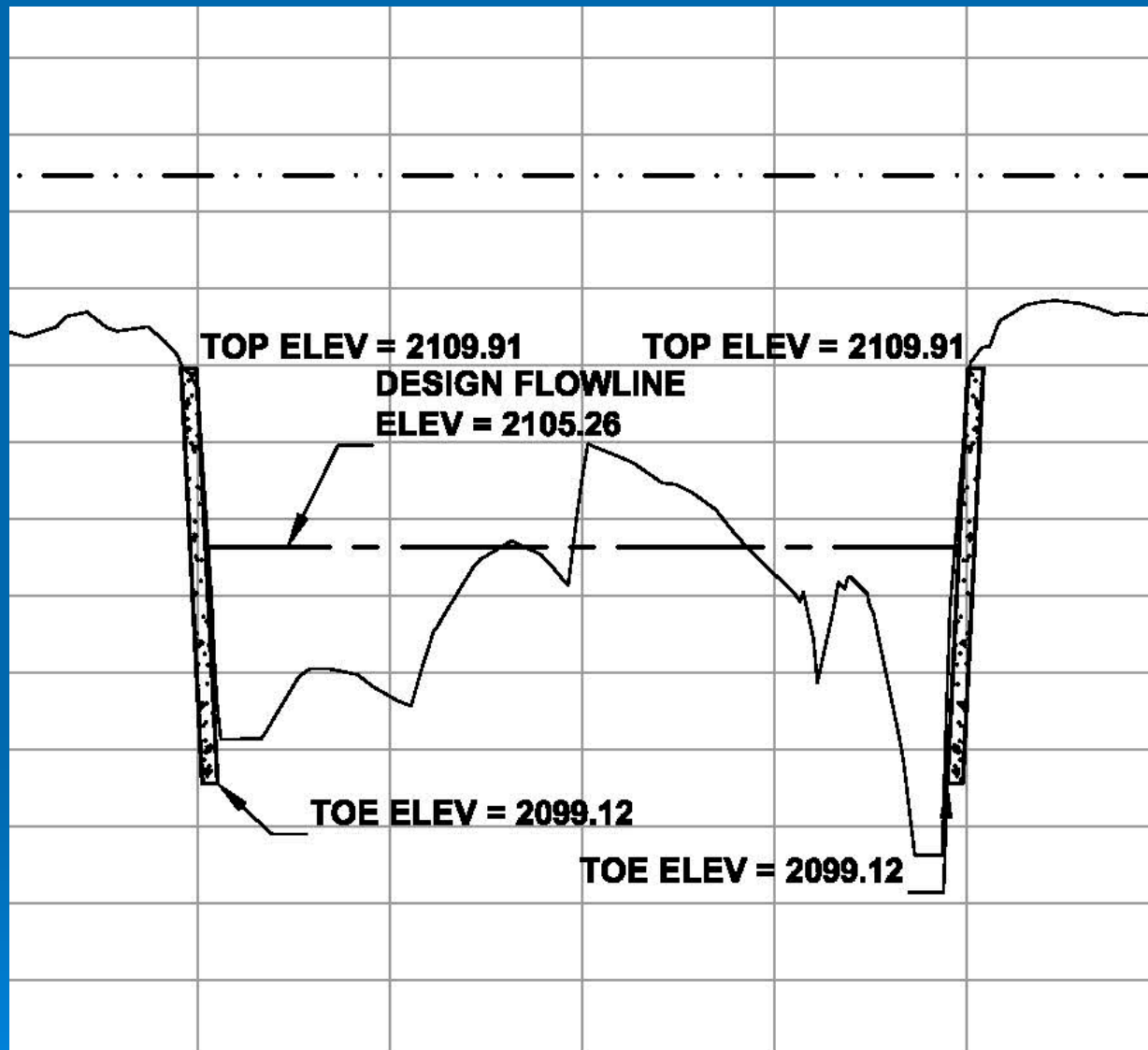
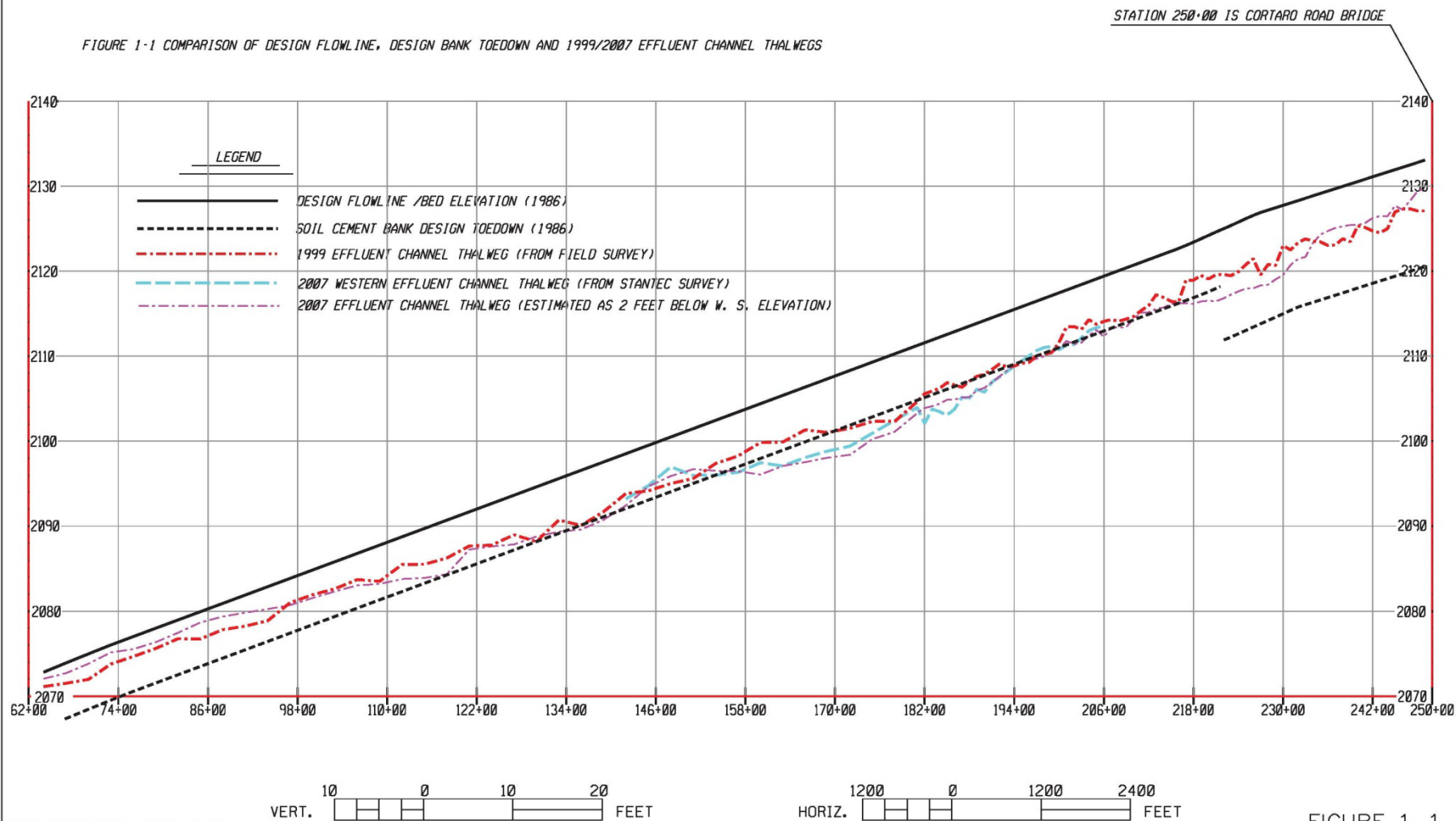


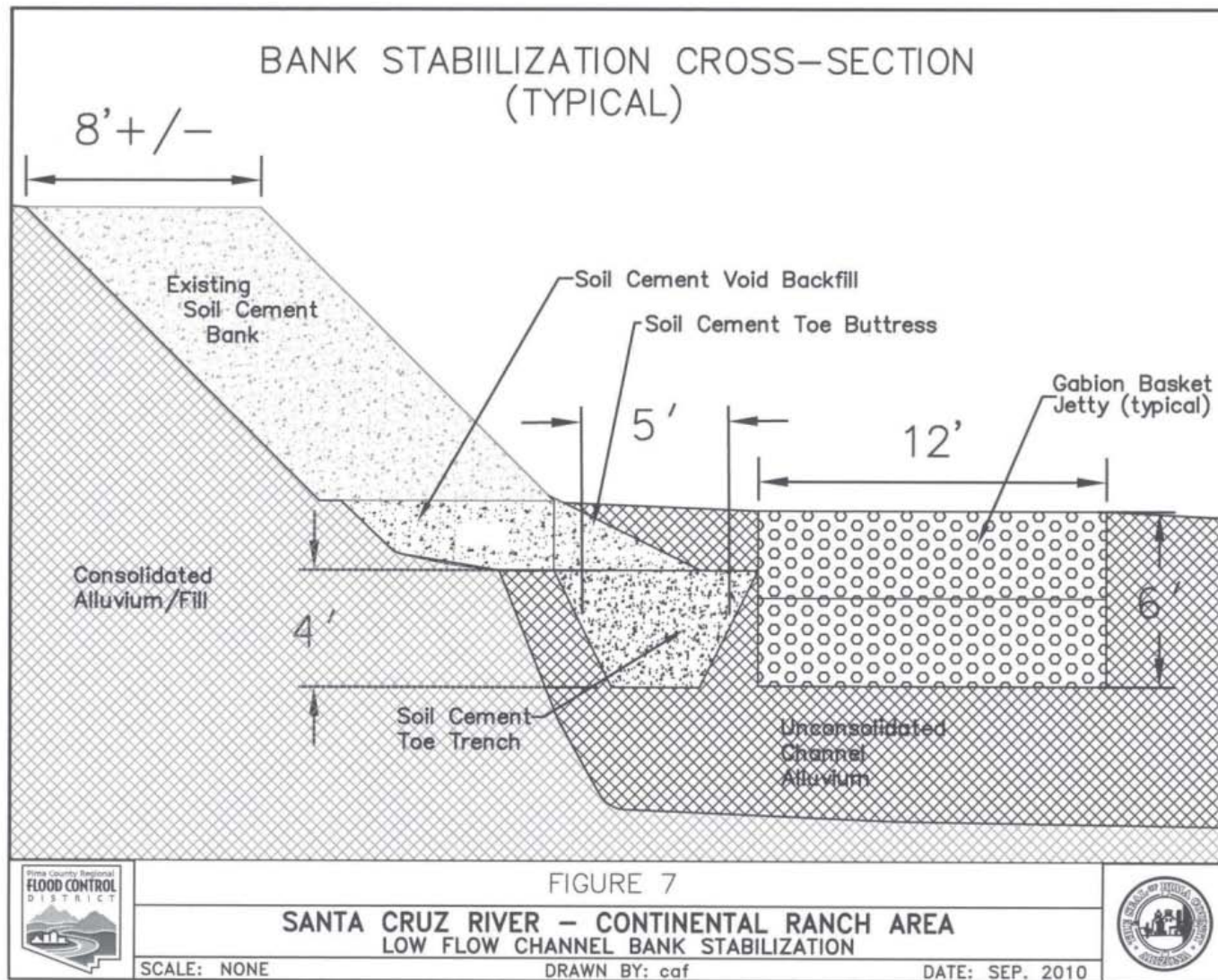
FIGURE 1-1 COMPARISON OF DESIGN FLOWLINE, DESIGN BANK TOEDOWN AND 1999/2007 EFFLUENT CHANNEL THALWEGS



2008-PROFILE-EVALUATION-01.DGN

FIGURE 1-1





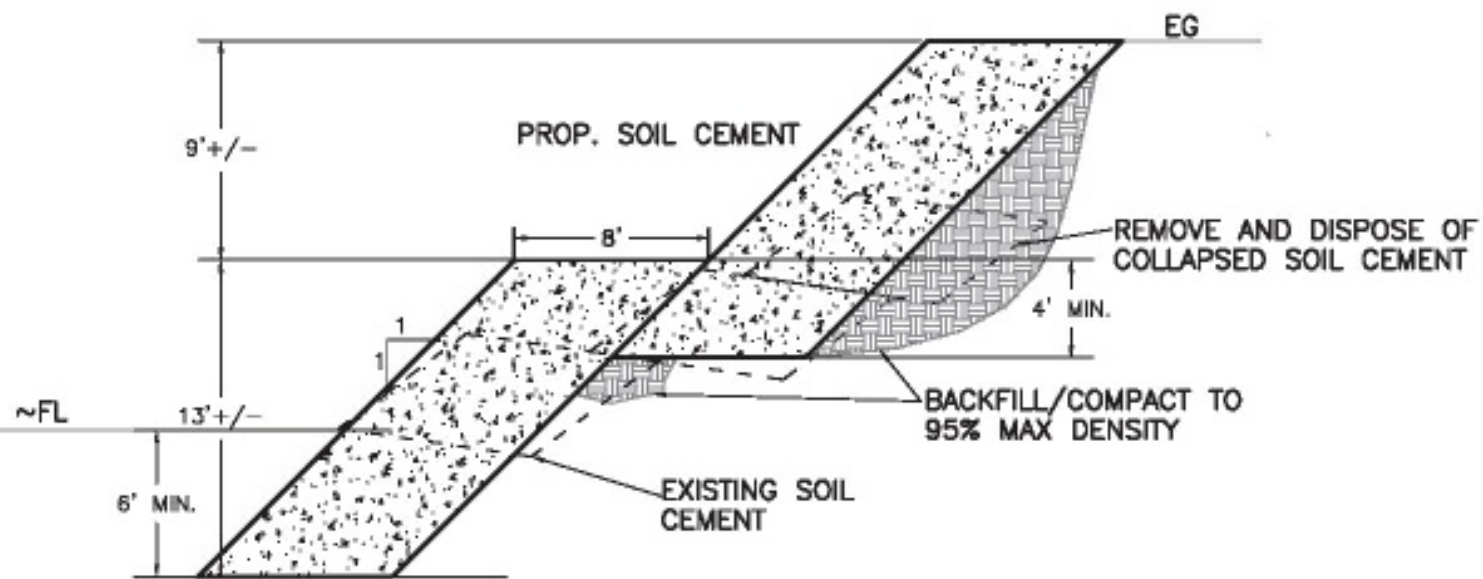












2 SECTION
1" = 5'









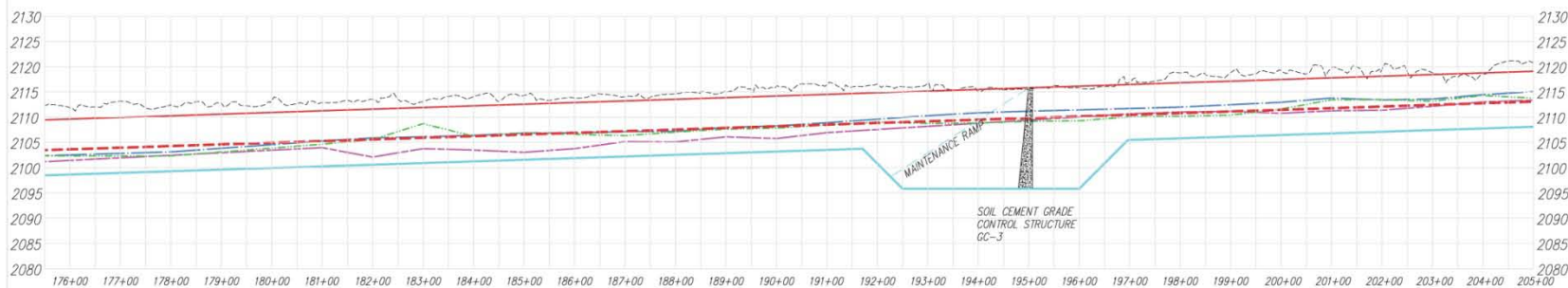
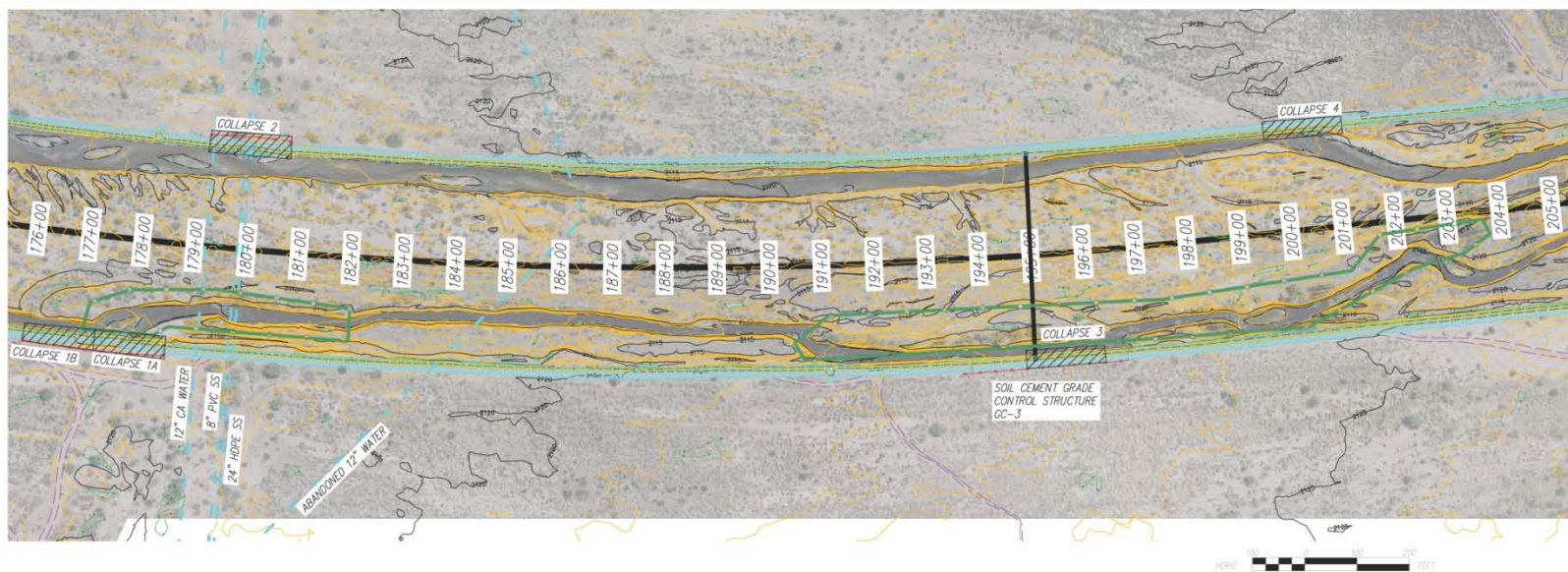




Moving Forward

- Monitor/Non-Repair
- Continue Band-Aid Approach
- Grade Control Structures, Soft Stabilization of Banks





PROFILE LEGEND

- DESIGN FLOWLINE (1986)
- DESIGN TOE DOWN (1986)
- HIGH FLOW TOE DOWN (1986)
- 1989 EFFLUENT CHANNEL THALWEG (FROM FIELD SURVEY)
- 2007 EXISTING SURFACE
- 2007 EFFLUENT CHANNEL THALWEG (FROM STANTEC SURVEY)
- 2007 WATER SURFACE
- NEW TOE DOWN

Aerial mapping services performed by the Orthoshop - Tucson on March 20, 2007



NEW SOIL CEMENT GRADE CONTROL STRUCTURE
SEE DTI

PLAN LEGEND

- PIPELINE UTILITIES
- AREAS OF HIGH VALUE VEGETATION
- NEW SOIL CEMENT BANK PROTECTION TOE DOWN



2006 AND 2007 BANK PROTECTION FAILURE AREAS, REPAIRED IN 2007



Scales: Horiz. 1" = 100'
Vert. 1" = 10'

PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT

DATE	NAME	DESIGN	SCALE
10/1/08	AL. 5008	AL. 5008	AL. 5008
10/1/08	AL. 5008	AL. 5008	AL. 5008
10/1/08	AL. 5008	AL. 5008	AL. 5008
10/1/08	AL. 5008	AL. 5008	AL. 5008
10/1/08	AL. 5008	AL. 5008	AL. 5008

DATE

REV/SECTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

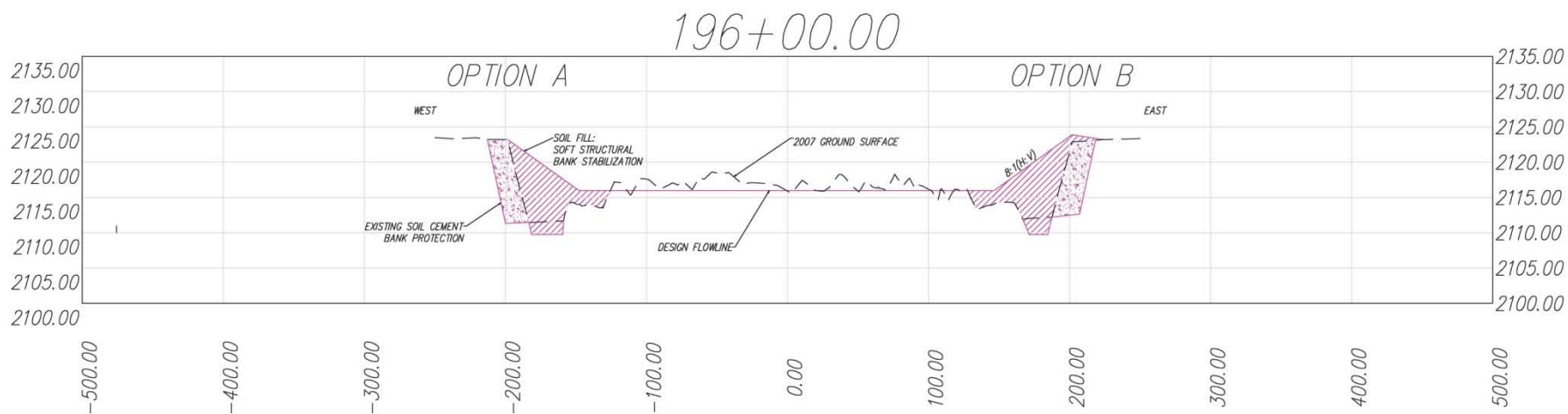
NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

NO. REVISION DESCRIPTION

LOW FLOW CHANNEL ALTERNATIVES ANALYSIS
SANTA CRUZ RIVER - CONTINENTAL RANCH
ALTERNATIVE 5 - FULL STRUCTURAL BANK
STABILIZATION WITH GRADE CONTROL STRUCTURES



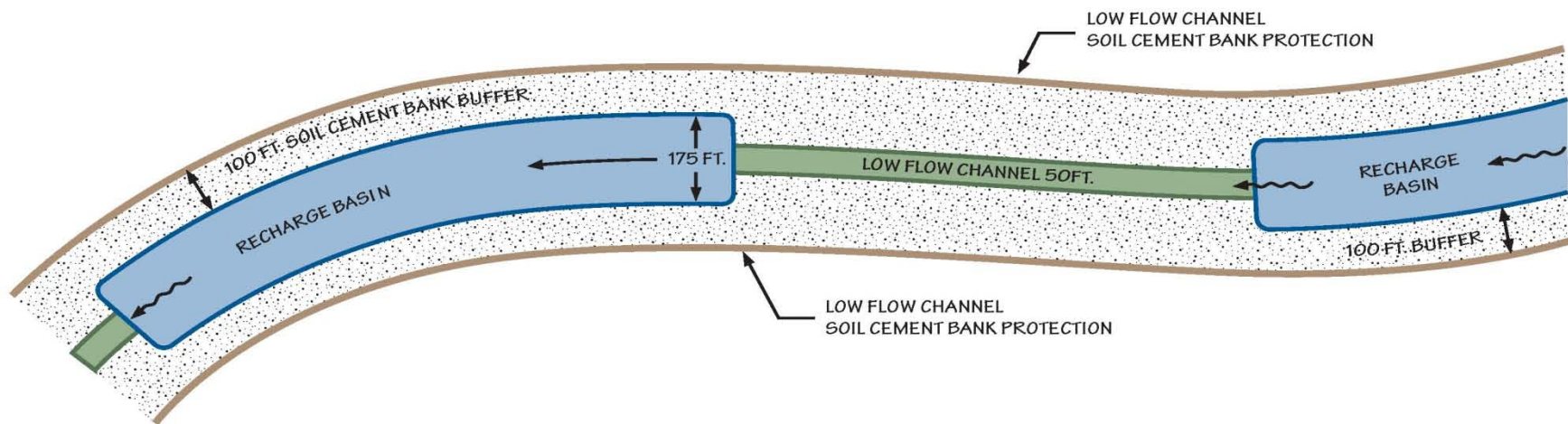


Figure 4-3
EFFLUENT FLOW REALIGNMENT USING IN-SERIES BASINS
Santa Cruz River Low Flow Channel— Continental Ranch Area



Questions?

