Alternative Methods for Upgrading Levees

Source: Adapted by EDAW (now AECOM) in 2008 based on data from HDR

Plate 2-1
Typical Levee Raise, Flattening of Landside Levee Slope, and Seepage Cutoff Wall

Source: SAFCA 2007b

NLIP Construction Phasing and Anticipated Haul Routes from Soil Borrow Areas

PLATE 2-6
Proposed Phase 4b Project Features – Sacramento River East Levee Reaches 16–20  

Source: Riverside Canal Footprint – Mead & Hunt October 2009; proposed 4b Pumping Plant Footprint – Mead & Hunt September 2009; Existing Pumping Plant Locations – Mead & Hunt September 2009; Phase 4b SREL Footprints and Borrow Sites – EDAW (now AECOM) September/October 2009
Adjacent Levee Section – Reaches 16 (partial) – 3:1 Slope with 300’ Seepage Berm, Cutoff Wall

Adjacent Levee Section – Reaches 16 (partial), 17, 18A – 3:1 Slope with 100’ Seepage Berm, Cutoff Wall
Adjacent Levee Section – Reaches 18B, 19A (partial) – 3:1 Slope with 300’ Seepage Berm, Cutoff Wall, and Relief Wells

Adjacent Levee Section – Reaches 19A (partial), 19B (partial) – 3:1 Slope with Seepage Berm, Cutoff Wall, and Relief Wells

Source: HDR 2009
Adjacent Levee Section – Reaches 19B (partial) – 3:1 to 2.5:1 Slope with Cutoff Wall and Relief Wells
Adjacent Levee Section – Reaches 19B (partial) – 3.1 to 2.5:1 Slope with Cutoff Wall and Relief Wells

Adjacent Levee Section – Reaches 19B (partial), 20 – 3.1 to 2.5:1 Slope with Cutoff Wall and Relief Wells
Reaches 1A, 1B (partial) – 3:1 to 2.5:1 Slope Flattening with Cutoff Wall

Reaches 1B (partial), 2 (partial) – Existing Levee with Cutoff Wall
Reaches 2 (partial), 3, 4 (partial) – 3:1 to 2.5:1 Slope Flattening with Cutoff Wall

Reaches 4 (partial) – 3:1 Slope Flattening with Cutoff Wall
Proposed Phase 4b Project Features – Natomas East Main Drainage Canal (NEMDC) North

Source: Prepared by Wood Rodgers 2009, Adapted by AECOM 2009

Typical Cross-Sections – Natomas East Main Drainage Canal (NEMDC) North

Plate 2-12
Proposed Phase 4b Project Features – Pleasant Grove Creek Canal (PGCC)

Source: Wood Rodgers September 2009; Mead & Hunt February/September/October 2009