



FUSCOE ENGINEERING
30% TO 70% SCHEMATIC COMPARISON
(Changes / Advancements / Enhancements)

July 1, 2008

B.1 SCHEMATIC DESIGN

B.1.5 Park Feature Schematic Design

Orchard Parking

- An engineering study was done to evaluate the feasibility of re-using the two water tanks in Orchard Parking Lot. Concept is still being considered for further studies and has not been reflected in the 70% site plans. The re-use of these water tanks were not in the 30%.

Canyon

- Re-grading canyon to be within project boundary.

B.1.7 Stormwater

B.1.7.1 Master Plan of Drainage: Ultimate Condition Regional Flood Control Compliance

- LLD drainage diversion to Bee watershed
- Extraction of WLC diversion flows from the watershed modeling
- Extraction of WLC/Serrano Phase 2 improvements from watershed modeling
- Expo Drainage will be conveyed to Agua Chinon via a storm drain system along the easterly edge of the canyon.

B.1.7.2 Local Condition Hydrology and Hydraulics Report

Bosque

- Bosque SD along east edge of Bosque is no longer a pipe (as shown in 30%) but an above ground vegetated drainage channel (as shown in 70%).

Orchard Parking

- Lake outlet pipe no longer cuts through Orchard Parking Lot into Marine Way (as shown in 30%) but connects into the backbone storm drain in Great Park Blvd (as shown in 70%).

Canyon

- Eliminated the dual storm drain pipes along both sides of the stream at the floor of the canyon.

B.1.8 Water Quality – Park Districts Only

- No substantial changes.

B.2 ENGINEERING FOR EARLY SITE DELIVERY

B.2.1 Construction Plans

B.2.1.1 Mass Grading Plan for Core Park

- There have been changes to the grading of the core park, but are still in compliance with the Master Plan and approved 30% submittal.

B.2.2 Environmental Remediation

B.2.2.1 Prepare PERFs & Gain Clearances for Mass Grading

- It was originally estimated to require about 20 PERFs for mass grading. This was based on the number of carve-outs and locations of concern. After discussions with the Navy BCT it was determined that one or two all inclusive PERFs would be more efficient. Therefore, two PERFs have been drafted containing about 20 locations of concern each.

B.2.2.13 Prepare Workplan & Engineering Construction Drawing

- Extraction well consultant has changed from Weston Solutions to Tetra Tech EMI. Tetra Tech is on track and last reported their design package to be at about 45% complete.

B.4 INFORMATION TECHNOLOGY

B.4.1 CAD Technology

B.4.1.1 IT Services

- No Substantial Changes

B.4.1.2 CAD Services

- Addressed 30% comments. Completed CAD Manual

B.4.1.3 GIS and 3D Media Graphics Services

- Updated 70% grading for 3D model

B.4.2 GIS Web Services

- Updated website layers to 70% schematic design