Install two 6-ft x 4-ft CBCs to divert flow to new basin

Excavate Feather Lake II an additional 13-ft

Install two 36-in automated gates to Mesa Drain Interceptor

Install 25 cfs pump station to de-water basin

Legend
- - Existing Channel
  Existing Basin

Recommended Improvements
  Conduit
  Block Channel
  Proposed Basin
  Gate
  Pump Station

Basin G System
Feather Lake II
Improvements (MV3)
Mission Valley Region
El Paso Stormwater Master Plan

Date: 03/05/2009
Figure 8-18
Construct detention basin

Install four 6-ft x 4-ft CBCs to divert flow to new basin

Install 25 cfs pump station to dewater basin

Excavate new basin 20 ft

Install two 36-in automated gates to Middle Drain Interceptor

Legend
- Existing Channel
- Conduit
- Block Channel
- Proposed Basin
- Gate
- Pump Station
Install storm drain system along Almeda Drive
(two 6-ft X 5-ft CBCs)
Increase culvert capacity to two 5-ft X 5-ft CBCs

Legend
- Existing Channel
- Recommended Improvements
- Undersized Crossing

Basin G System
Playa Drain Crossing (MV7)
Mission Valley Region
El Paso Stormwater Master Plan

Date: 03/05/2009  Figure 8-22
Excavate Basin C to a depth of 3-ft below Playa Drain Channel elevation

Install two 6-ft X 4-ft CBCs to divert flow to basin

Install 160 cfs pump station

Install conduits to Rio Grande

Legend
- Existing Channel
- Existing Basin
- Recommended Improvements
- Conduit
- Proposed Excavation
- Pump Station

Basin G System
Basin C Pump Station (MV8)
Mission Valley Region
El Paso Stormwater Master Plan

Date: 03/05/2009 | Figure 8-23
Construct parapet wall to elevation 3,688 ft. Include flap gates to allow water from surrounding neighborhoods to enter the Mesa Basin when water levels are below the top of the parapet wall.

**Legend**
- Existing Channel
- Existing Dam
- Recommended Improvement
- Parapet Wall

**Mesa Drain System**
**Mesa Drain Storage (MV9)**
**Mission Valley Region**
**El Paso Stormwater Master Plan**

**Date:** 03/05/2009  
**Figure 8-24**
Mesa Drain System
Mesa Drain
Improvements (MV10)
Mission Valley Region
El Paso Stormwater Master Plan

Legend

- Existing Channel
- Existing Dam/Basin

Recommended Improvements
- Concrete-Lined Channel
- Channel Expansion

Date: 03/05/2009  Figure 8-25