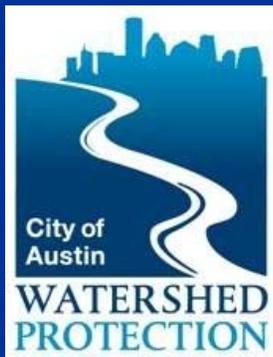


Barton Springs Pool Bypass Culvert and Dam Repairs & Inlet/Outlet Grate Projects

PARKS & RECREATION BOARD & ENVIRONMENTAL
BOARD
JOINT COMMITTEE
Update

February 6, 2012

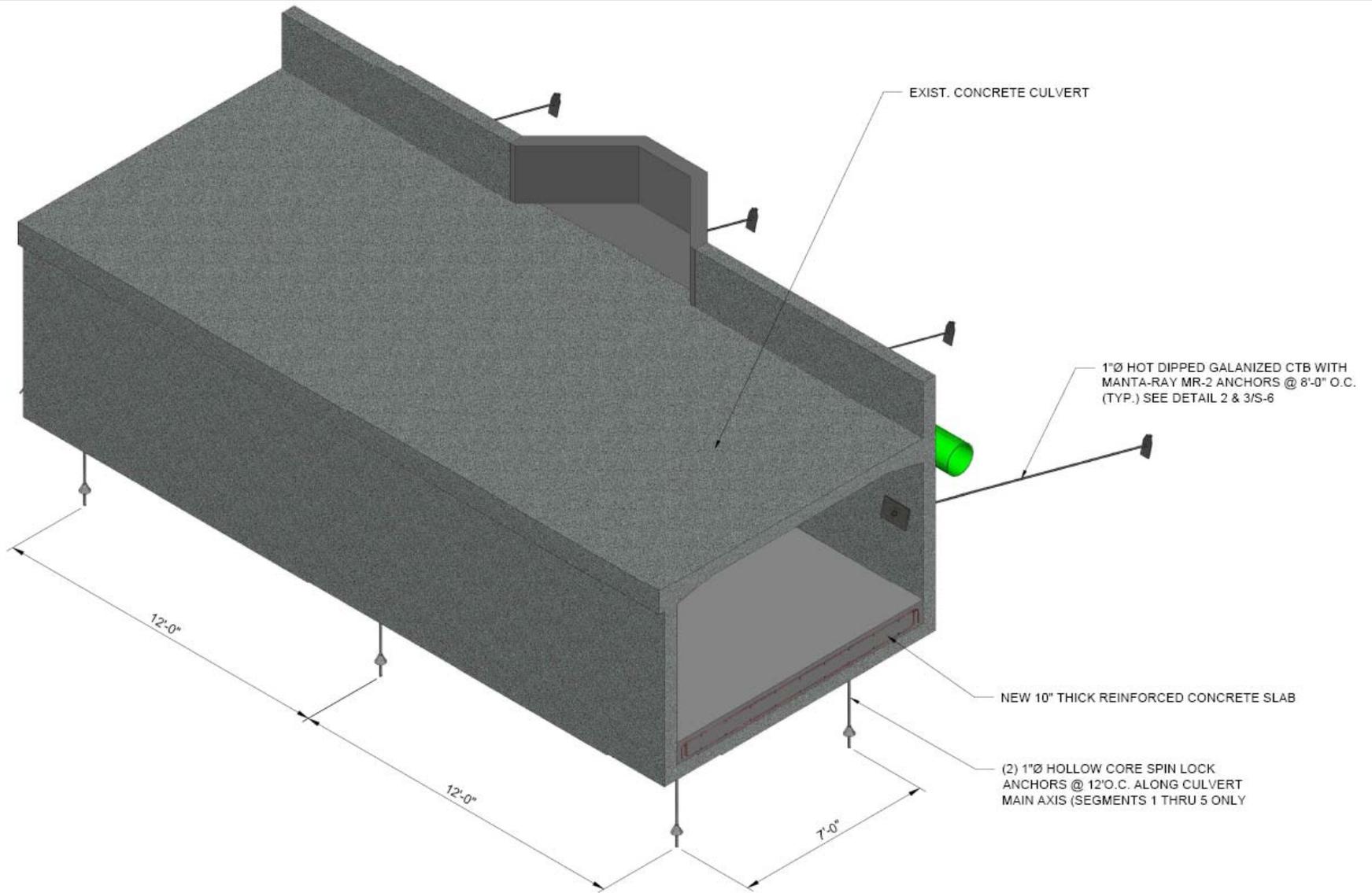


Bypass/Dam Repairs Update

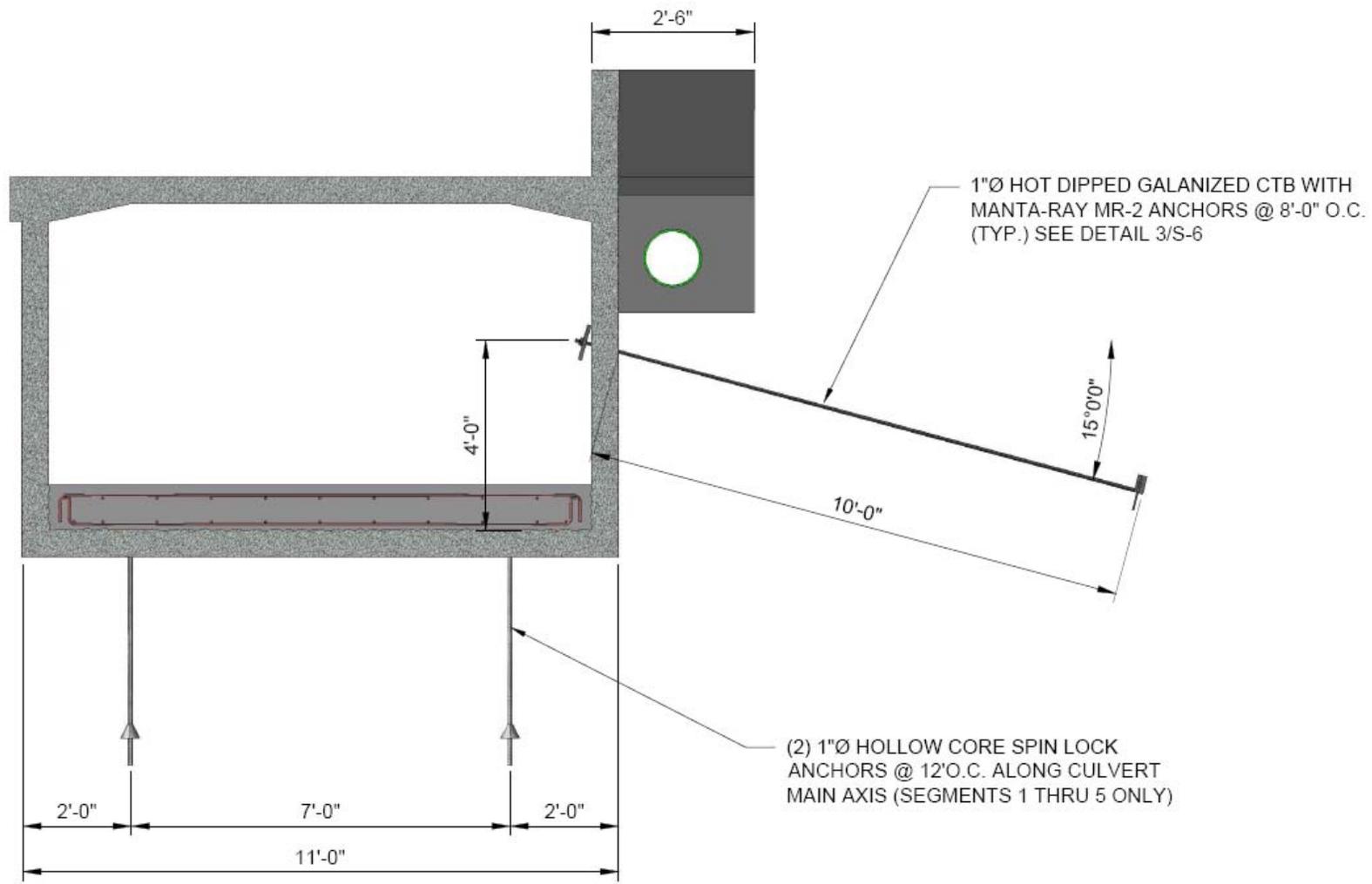
- July/August 2010 – Rock anchor tests were performed on lower segments of the bypass culvert.
- September 2010 – Rock anchor test report submitted by AECOM summarizing results and possible repair solutions.
- October 2010 – AECOM began work on preliminary engineering report.
- November/December 2010 – AECOM submitted PER and addressed comments by COA staff.
- January/February 2011 – Preliminary phase ended, negotiations on Design phase scope of work began; Joint Committee Review/Public Input
- March 2011 – Design phase initiated.
- April/May 2011 – Design/Prepare Biological Assessment
- June 2011 – 60% Plans Submitted
- July 2011 – BA Prepared and Submitted to USACE & US Fish and Wildlife Service
- August 2011 – 90% Plans Submitted
- January 2012 – Biological Opinion/Corps permit received from USACE/USFWS

Repair Concept Components

- Subgrade stabilization
- Rock anchors
- Conventional and Heavyweight concrete
- Tie-backs
- Adjacent structures
- Deck drains and weep holes

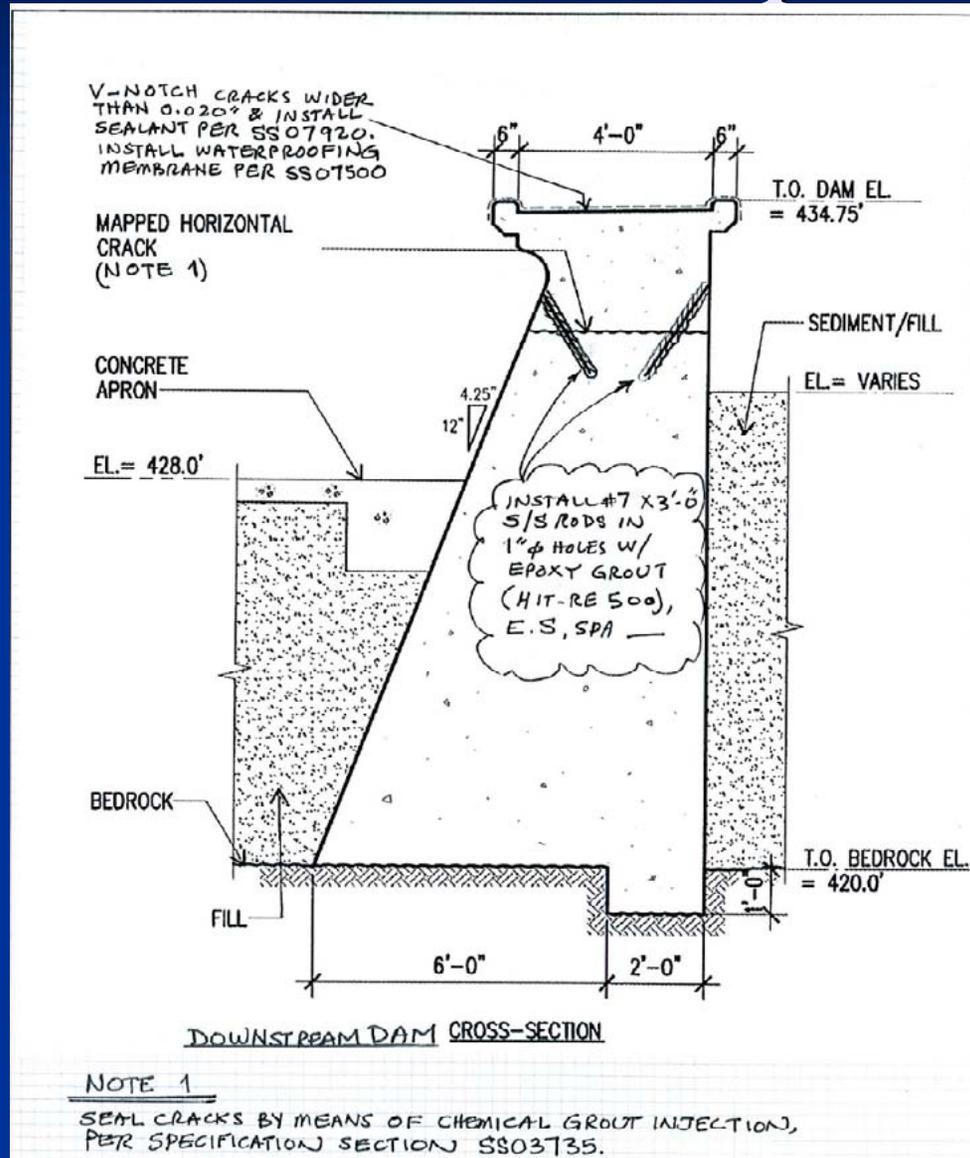


1 CONCRETE BYPASS PERSPECTIVE
 Scale: 3/8" = 1'-0"

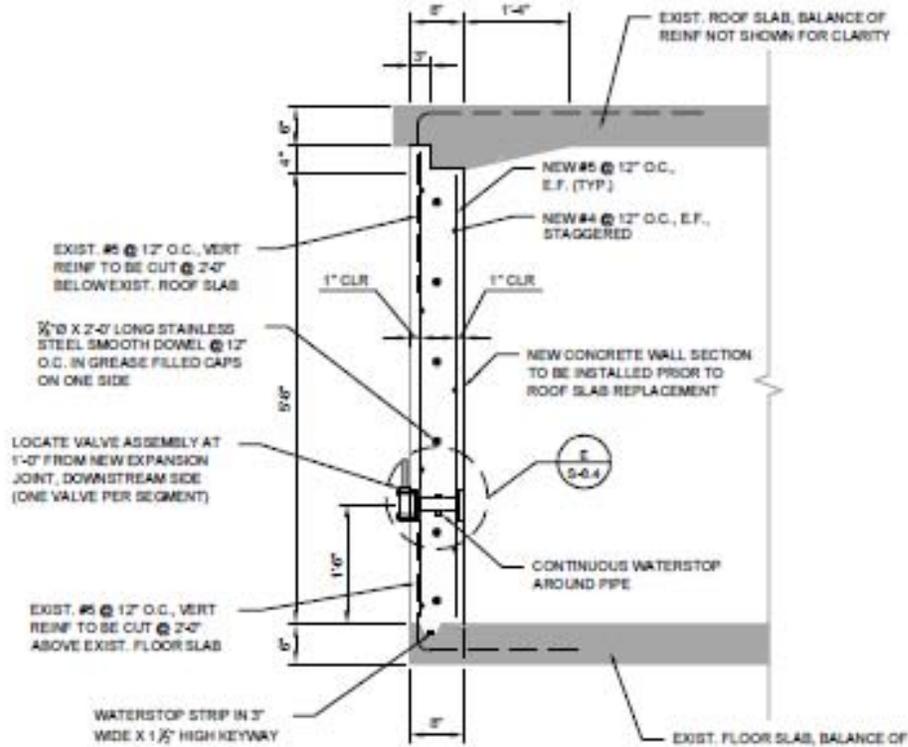


2 TYPICAL SECTION THRU CONCRETE BYPASS
 Scale: 3/8" = 1'-0"

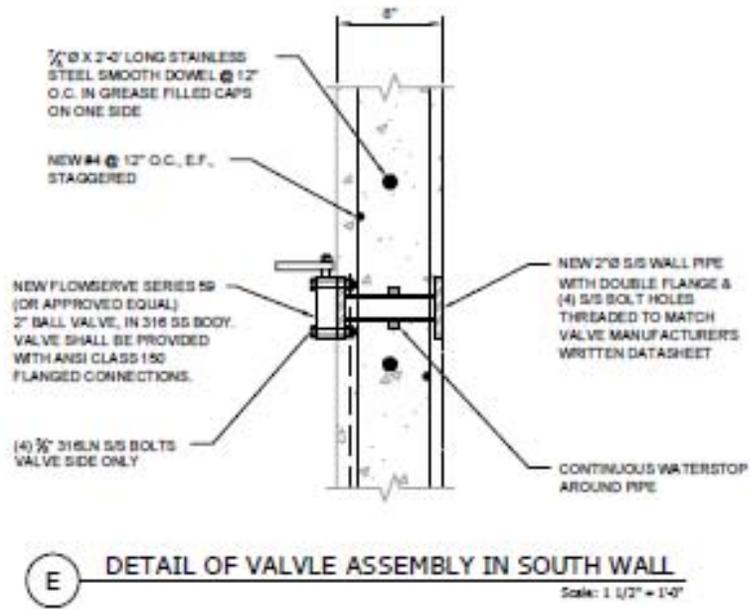
Lower Dam Repairs



Cleaning Ports

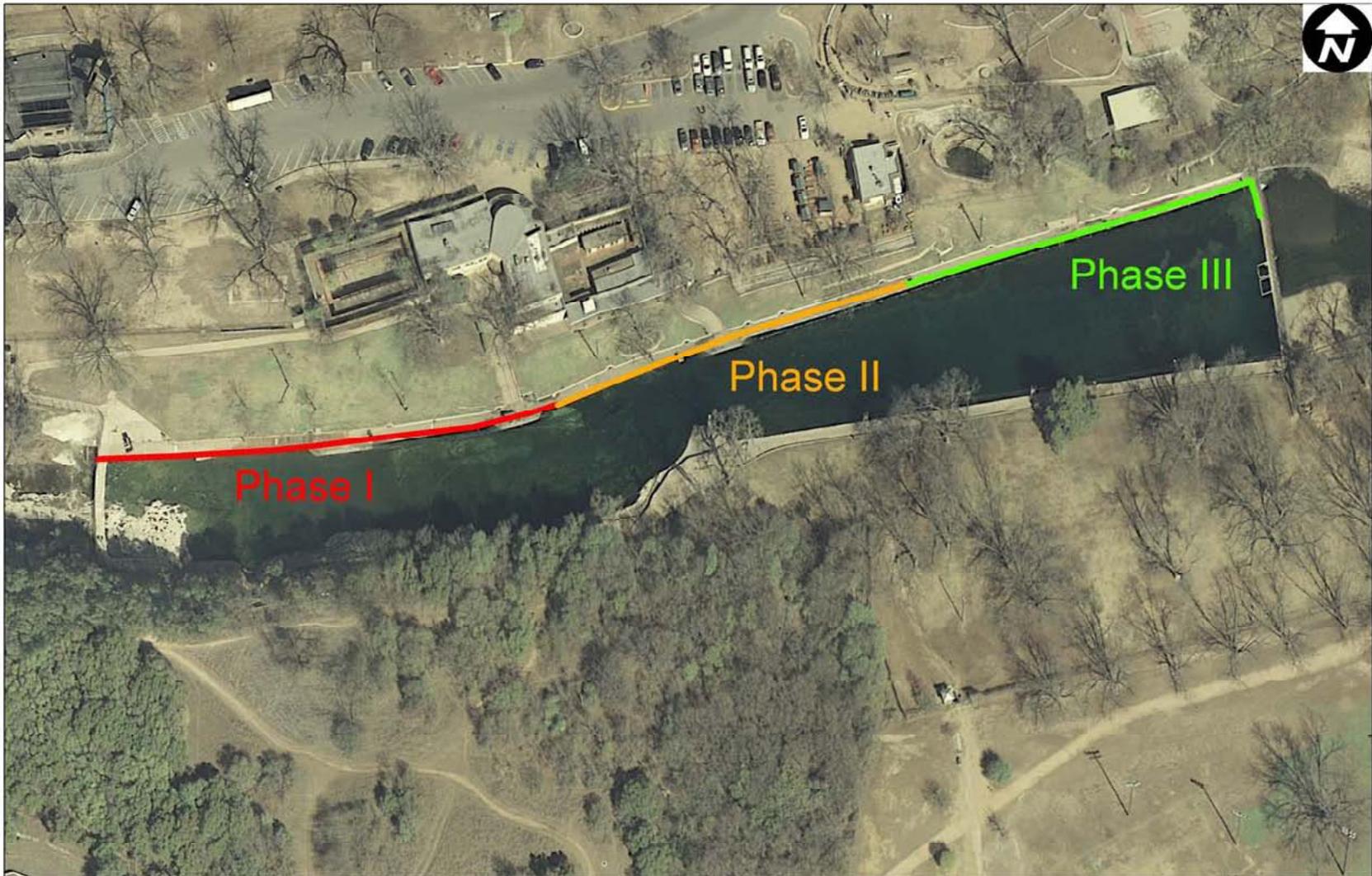


D SECTION THRU SOUTH WALL REPAIR AT VALVE ASSEMBLY
Scale: 3/4" = 1'-0"

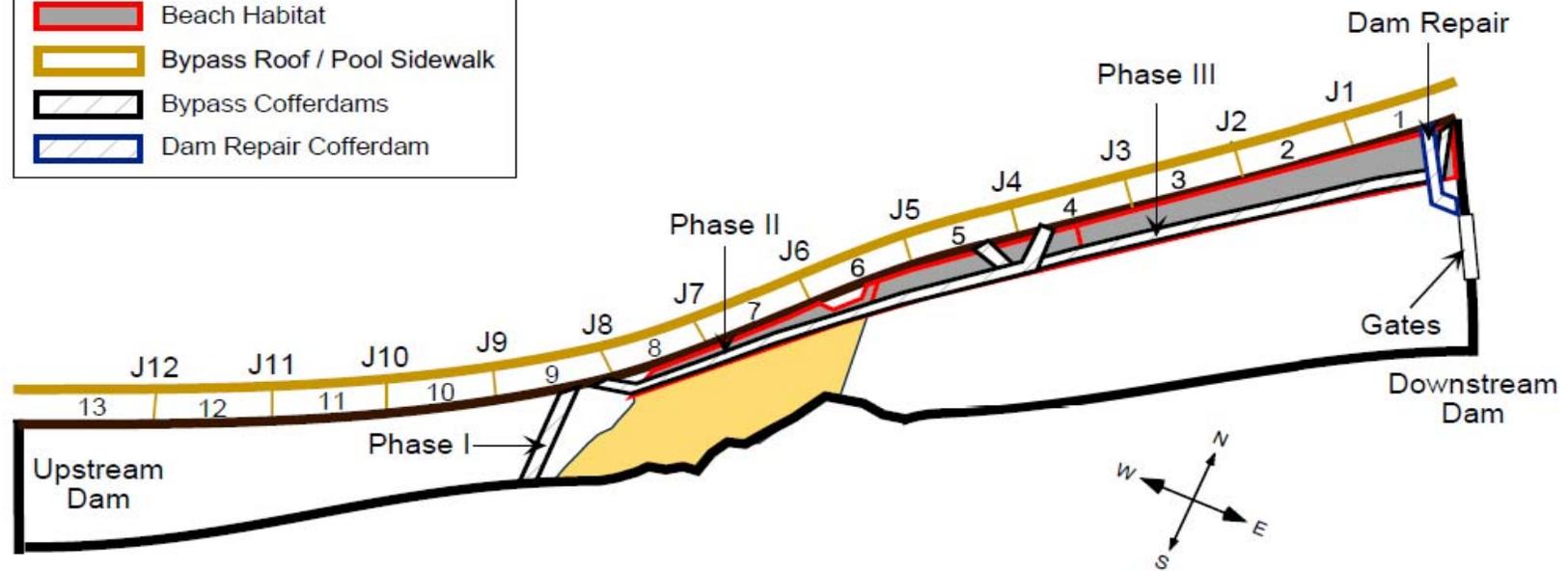


E DETAIL OF VALVE ASSEMBLY IN SOUTH WALL
Scale: 1 1/2" = 1'-0"

Proposed Repair Phases



Proposed Repair Phases



Construction Cost and Schedule

- Cost estimate – \$2.57 million (including approx. \$335k contingency)
- Schedule
 - 5 months to substantial completion
 - 2 ½ months to end of Phase 1
 - 2 ½ months pool closure (drawdown)
 - Additional 2 months of demobilization and project closeout (pool open)

Scheduling Concerns

- Drought conditions
- Flooding
- Lost revenue

Bid/Award Schedule

Wednesday, April 18, 2012

Friday, April 20, 2012

Monday, May 07, 2012

Monday, May 14, 2012

Thursday, May 17, 2012

Monday, May 21, 2012

Thursday, May 24, 2012

Thursday, June 14, 2012

Monday, June 25, 2012

Thursday, August 02, 2012

Saturday, September 08, 2012

Monday, October 01, 2012

Drawings to 7th FI for reproduction

Manual to CMD for their review

1st Advertisement

2nd Advertisement

Mandatory PreBid

3rd Advertisement

Mandatory PreBid

Bid Opening

RCA Submission Deadline

RCA to Council

1st NTP - Staging/Prep Work

2nd NTP - Actual Pool Work

What's Next?

- Design Phase
- Permitting Phase
- SOS Amendment - Council
- Bid/Award Phase - Council
- Start Construction

Inlet/Outlet Grate Update

- August 2010 – Received \$300k grant to improve bypass inlet and outlet grates.
- Winter 2010/11 – Negotiated and entered into a contract with Atkins (formerly PBS&J).
- August 2011 – Preliminary report submitted; design phase started.
- September 2011 – 30% Plans Submitted
- December 2011 – Received 1st reimbursement
- January 2012 – 90% Plans Submitted

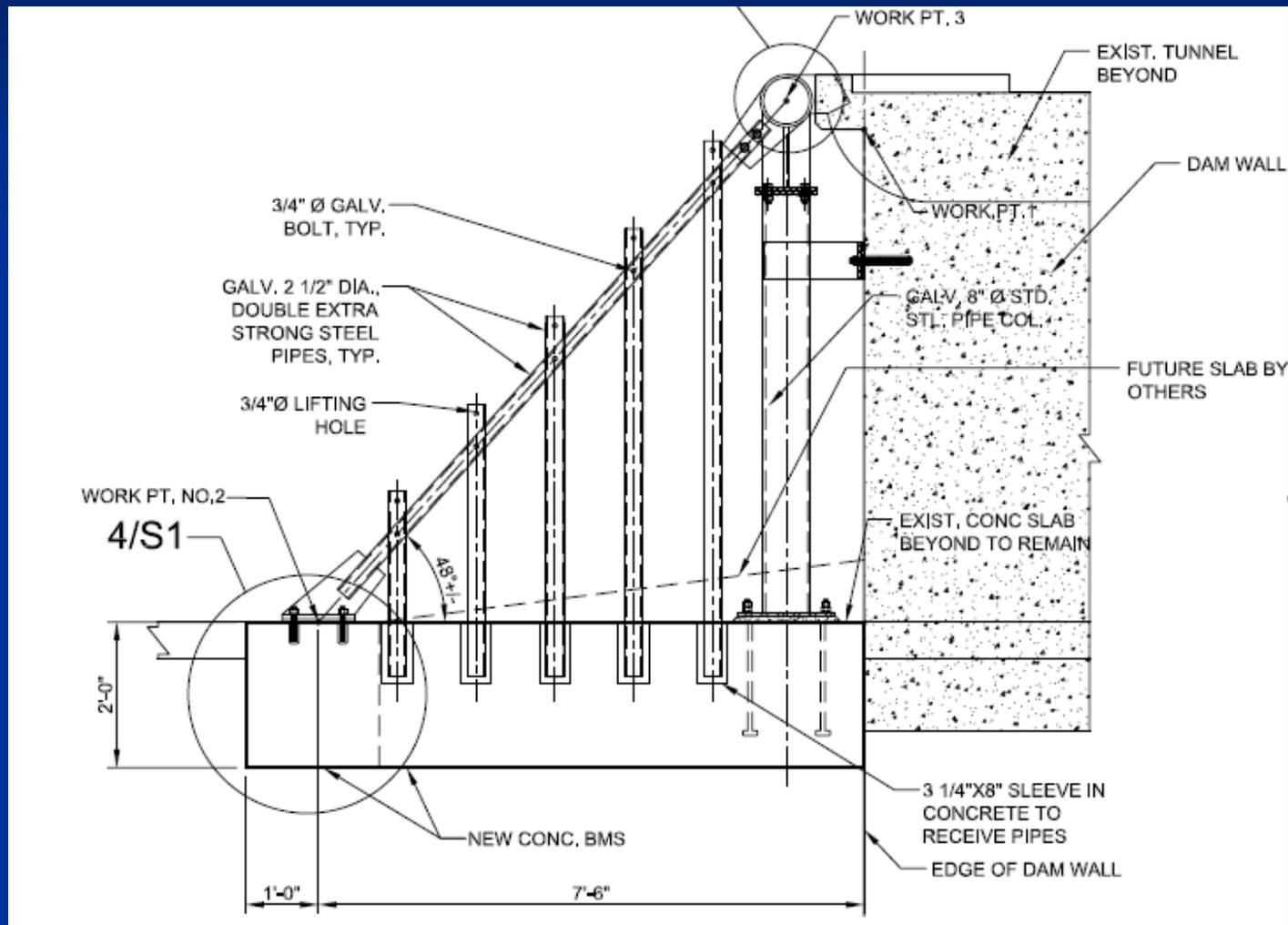
Existing Inlet Grate



Existing Inlet Grate



Proposed Inlet Grate



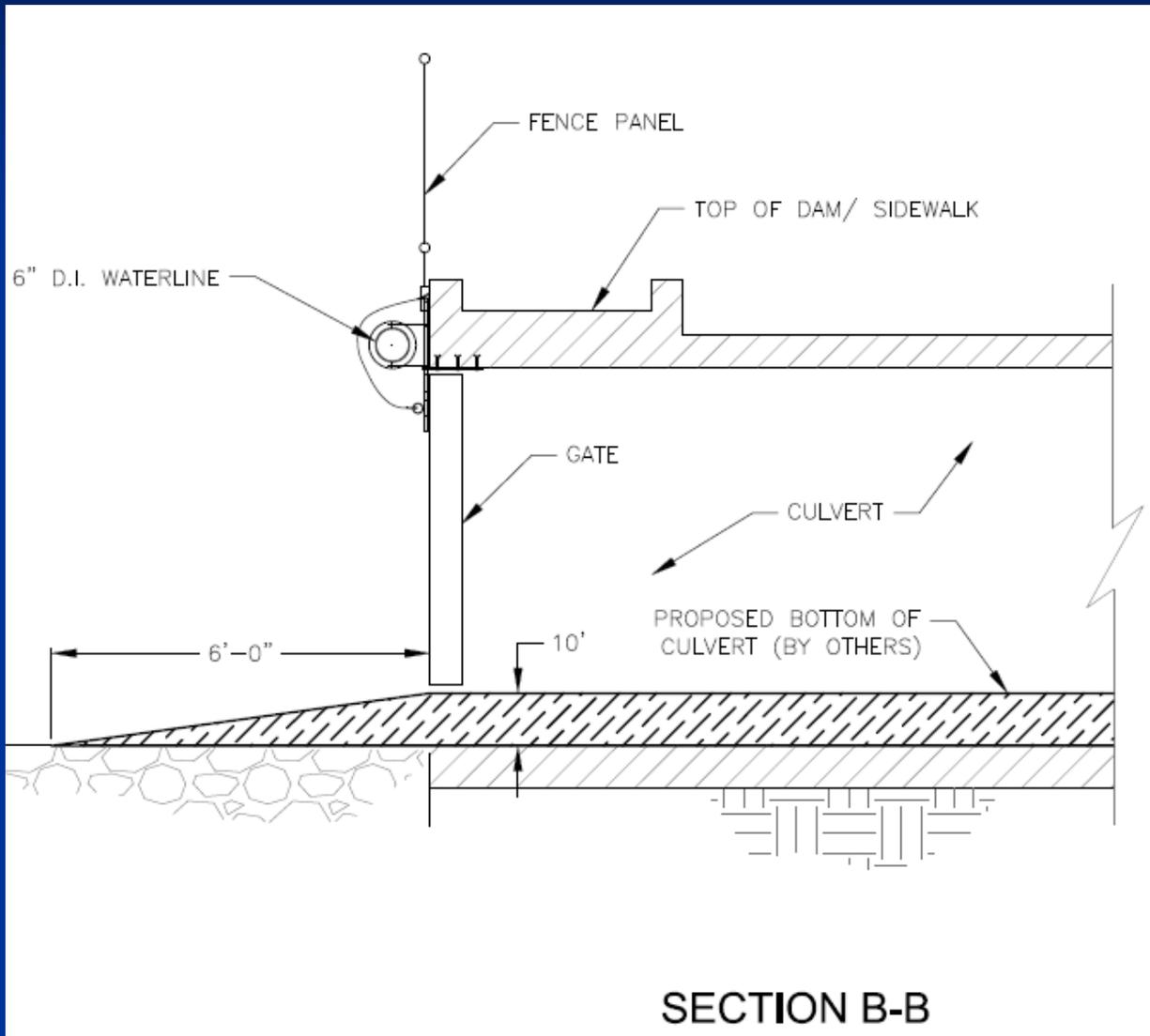
Existing Outlet Grate



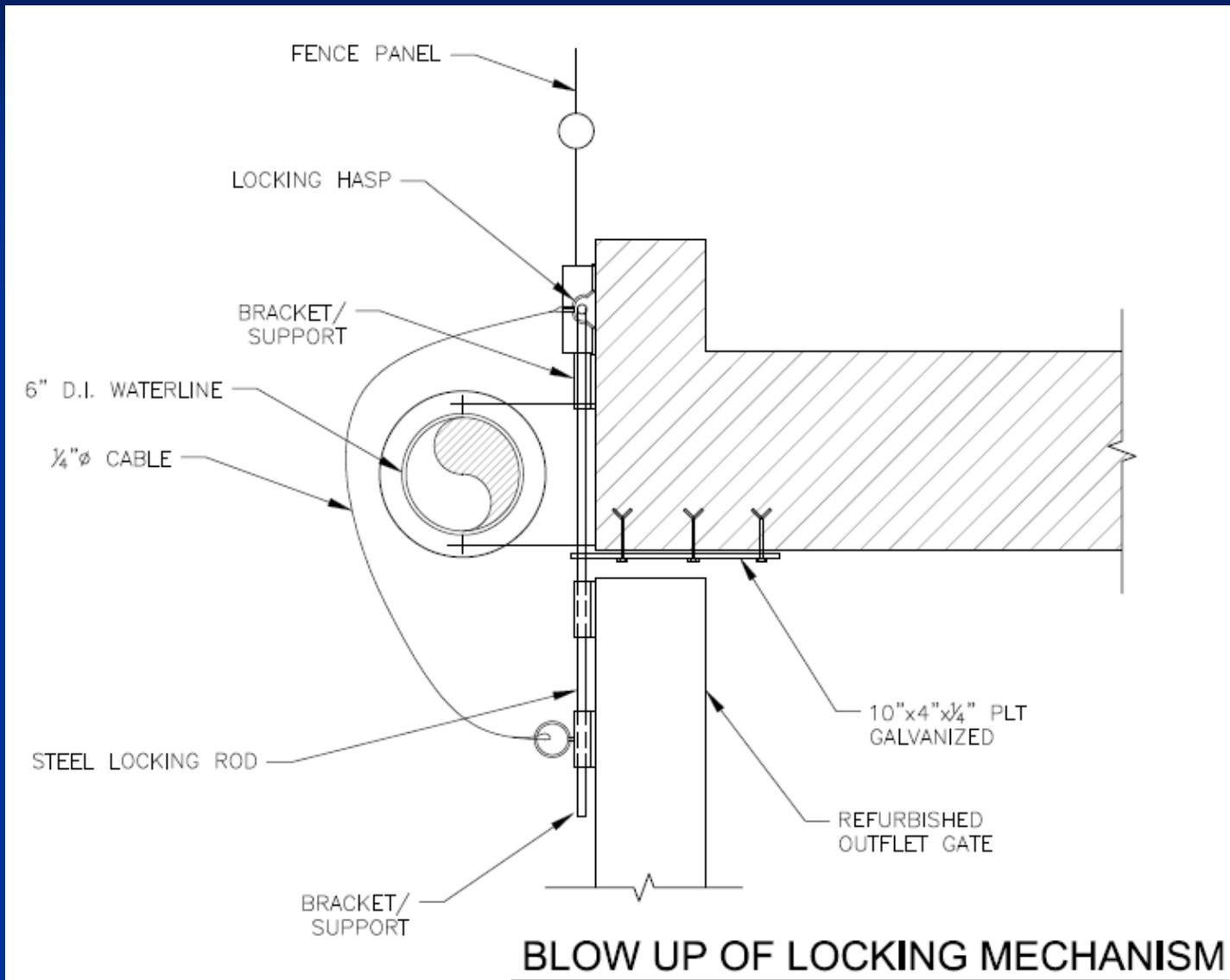
Existing Outlet Grate



Proposed Outlet Grate



Proposed Outlet Grate



Construction Cost and Schedule

- Cost estimate – \$150,000 - \$200,000
- Schedule
 - First Advertisement: March 5, 2012
 - Bid Opening: April 12, 2012
 - Construction Start: July, 2012
 - 15 weeks to completion

What's Next?

- Design Phase
- Permitting Phase
- Bid/Award Phase - Council
- Start Construction