

**Meeting of the Central Valley Flood Protection Board
August 24, 2012
Staff Report – Encroachment Permit
Javid T. And Amna J. Siddiqui
Irrigation system and appurtenances, Sacramento County**

1.0 – ITEM

Consider approval of Permit No. 18747. (Attachment B with Exhibit(s) A & B)

2.0 – APPLICANT

Javid T. And Amna J. Siddiqui

3.0 – LOCATION

This project is located on the east, left bank levee of the Sacramento River at river mile 69.15 which is approximately 1.4 miles downstream of the I-5 Bridge crossing of the Sacramento River, Sacramento County. Additionally, the project is within Reclamation District 1000 in Unit No. 1 at Levee Mile 9.85. (See Attachment(s) A)

4.0 – DESCRIPTION

The project consists of removing and replacing an existing pump with support frames from the channel and waterward berm and removing and replacing an existing discharge pipe through the levee and on the landward levee toe. (See Attachment C)

5.0 – PROJECT ANALYSIS

Replacement of the discharge pipe is necessitated by SAFCA's Natomas Levee Improvement Project and the replacement of the pump is to provide a more economical water supply as the pump is outdated.

The replacement of the pump and discharge pipe will conform to Title 23 and will not have any effect on the flood control system.

5.1 – Hydraulic Analysis

This project replaces in-kind (with minor improvements) an existing encroachment which is listed as an original feature in the Corps Operation & Maintenance Manual for this section of the Sacramento River Flood Control Project and therefore a hydraulic analysis is unwarranted.

5.2 – Geotechnical Analysis

The scope of work for this project does not require a geotechnical analysis.

6.0 – AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies are shown below:

- The U.S. Army Corps of Engineers 208.10 comment letter has been received for this application. The USACE District Engineer has no objection to the project, subject to conditions. The letter is incorporated into the permit as Exhibit A.
- Reclamation District 1000 has endorsed this project, a copy of which is incorporated into Attachment B as Exhibit B.

7.0 – CEQA ANALYSIS

Board staff has prepared the following CEQA Findings:

The Board, acting as a responsible agency under CEQA, has independently reviewed Draft Environmental Impact Statement /Draft Environmental Impact Report (DEIS/DEIR) (SCH No. 2009032097, August 2009) and the FEIS/EIR (SCH No. 2009032097, November 2009) on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project, prepared by the lead agency, Sacramento Area Flood Control Agency (SAFCA) and the SAFCA Resolution 09-156 dated November 13, 2009 (which includes a Statement of Facts, Findings, and Mitigation Measures, Statement of

Overriding Considerations, and Mitigation Monitoring and Reporting Program) for the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project. These documents including project design and may be viewed or downloaded from the Central Valley Flood Protection Board website at <http://www.cvpfb.ca.gov/meetings/2012/07-27-2012> under a link for this agenda item. The documents are also available for review in hard copy at the Board and SAFCA offices.

The significant impacts and the mitigation measures to reduce them to less than significant are adopted in the SAFCA Resolution 09-156 dated November 13, 2009 (which includes a Statement of Facts, Findings, Impacts and Mitigation Measures, Statement of Overriding Considerations and Mitigation Monitoring and Reporting Program). Based on its independent review of the EIR, and SAFCA Resolution 09-156, the Board finds that for each of the significant impacts described, changes or alterations have been required in, or incorporated into, the project which avoid or substantially lessen the significant environmental effects as identified in the EIR. Moreover, such changes or alterations are within the responsibility and jurisdictions of another public agency, the SAFCA, and such changes have been adopted by that agency.

7.1 – Significant Unavoidable Adverse Impacts of the Project

The following impacts of the proposed project remain significant following adoption and implementation of the mitigation measures described in the EIR:

Mitigation has been adopted for each of these impacts, although it does not reduce the impact to less than significant. The impacts and mitigation measures are set forth in more detail in the FEIS/EIR and SAFCA findings.

- A. Agricultural Resources - The project would covert farmland from agricultural production to nonagricultural uses resulting in conflicts with lands under Williamson Act contracts;
- B. Land Use - Residents and businesses would experience temporary disruption due to road closures, detours, construction, and boat launch facility temporary closure;
- C. Geology, Soils and Mineral Resources - Economically valuable minerals, if present, could be removed from a portion of the Fisherman's Lake Borrow Area;

- D. Biological Resources - Loss of woodland habitats (short-term [10–15 years] would result until replacement plantings mature) and impacts on Swainson’s hawk and other special-status birds;
- E. Cultural Resources - Potential damage or disturbance to known prehistoric resources or previously undiscovered cultural resources, including human remains from ground-disturbance or other construction-related activities;
- F. Transportation - Temporary increase in traffic on local roadways;
- G. Air Quality - The project would result in temporary construction related emissions of reactive organic gases, nitrogen oxides, and particulate matter;
- H. Noise - The project would result in temporary generation of temporary, short-term construction noise, exposure of sensitive receptors to excessive ground-borne vibration and increased traffic noise from construction and hauling activities;
- I. Visual Resources - The project would result in the alteration of scenic vistas, scenic resources, and existing visual character of the project area and new sources of light and glare during construction.

The Board further finds that none of the significant unavoidable adverse impacts of the project are within the Board’s jurisdiction. The Board also finds that the specific economic, legal, social, technological or other benefits of the project, as listed above, outweigh the unavoidable adverse environmental effects, which are considered to be “acceptable.”

7.2 – Statement of Overriding Considerations

The Board has independently considered the significant and unavoidable environmental impacts of the proposed project. The Board finds that there is an immediate need to protect the people and property at risk in the project area. The Natomas Basin floodplain is occupied by over 83,000 residents and \$10 billion in damageable property. The area is presently vulnerable to flooding in a less than 100-year flood event along the Sacramento River or American River. The Natomas Basin is a deep floodplain and depending on the circumstances, flood depths in the Natomas Basin could reach life-threatening levels. The disruption in transportation that would result from a major flood would affect the Sacramento International Airport, interstate and state highways, and rail service.

The health and safety benefits of the project, which would significantly reduce the risk of an uncontrolled flood in the Natomas Basin that would result in a catastrophic loss of property and threat to residents of the area, outweigh the remaining unavoidable environmental impacts.

The documents and other materials which constitute the record of the Central Valley Flood Board's proceedings in this matter are in the custody of Jay Punia, Executive Officer, Central Valley Flood Protection Board, 3310 El Camino Ave., Rm. 151, Sacramento, California 95821.

8.0 – SECTION 8610.5 CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the facilities authorized under this permit as regulated by Title 23 have been applied to the review of this application.

3. Effects of the decision on the facilities of the State Plan of Flood Control, and consistency of the proposed project with the Central Valley Flood Protection Plan as adopted by Board Resolution 2012-25 on June 29, 2012:

The project as proposed will not have an adverse effect on facilities of the State Plan of Flood Control and is consistent with the Central Valley Flood Protection Plan.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

There are no foreseeable detrimental effects to the adopted plan of flood control relative to the permitting of this project due to reasonable projected future events.

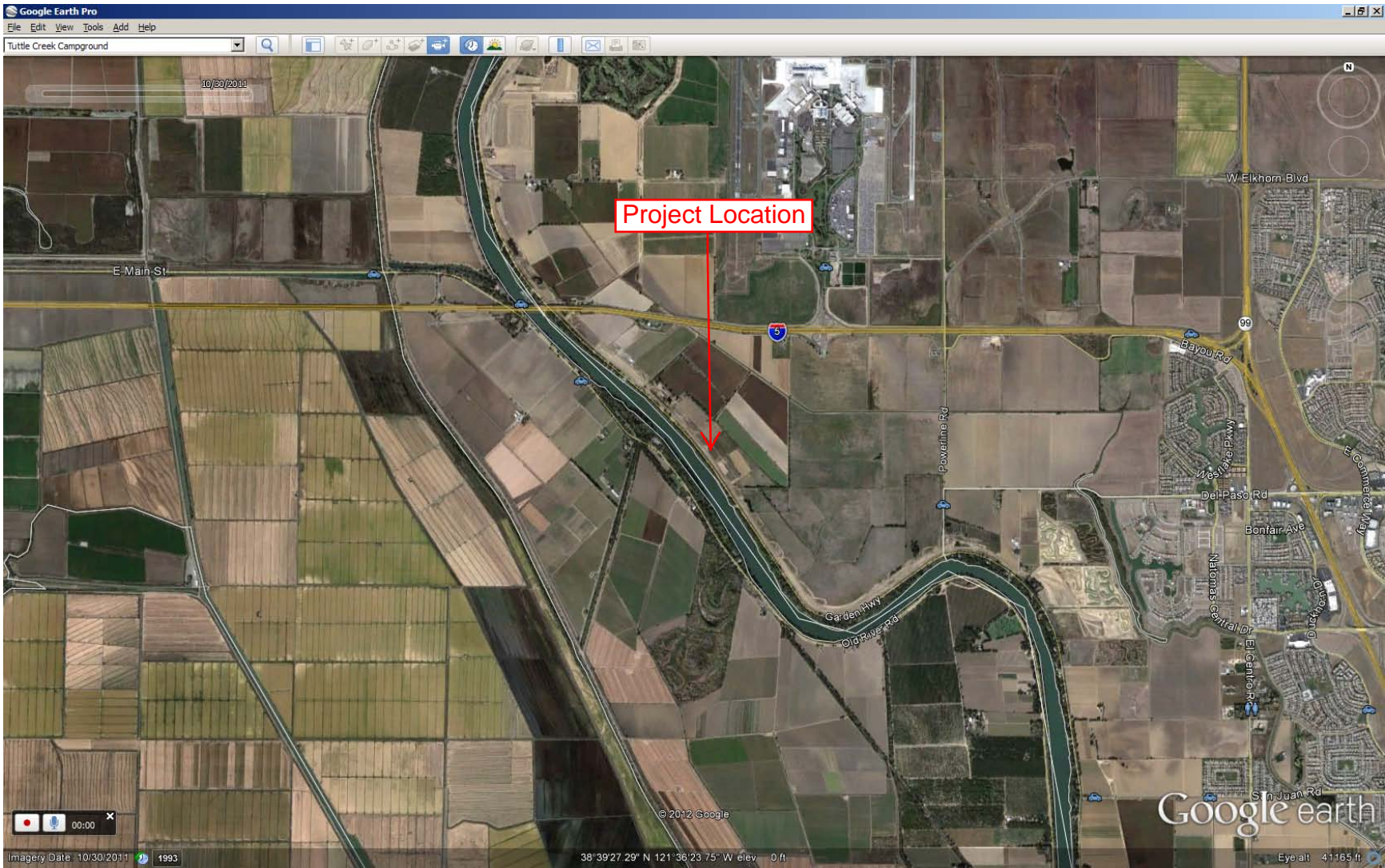
9.0 – STAFF RECOMMENDATION

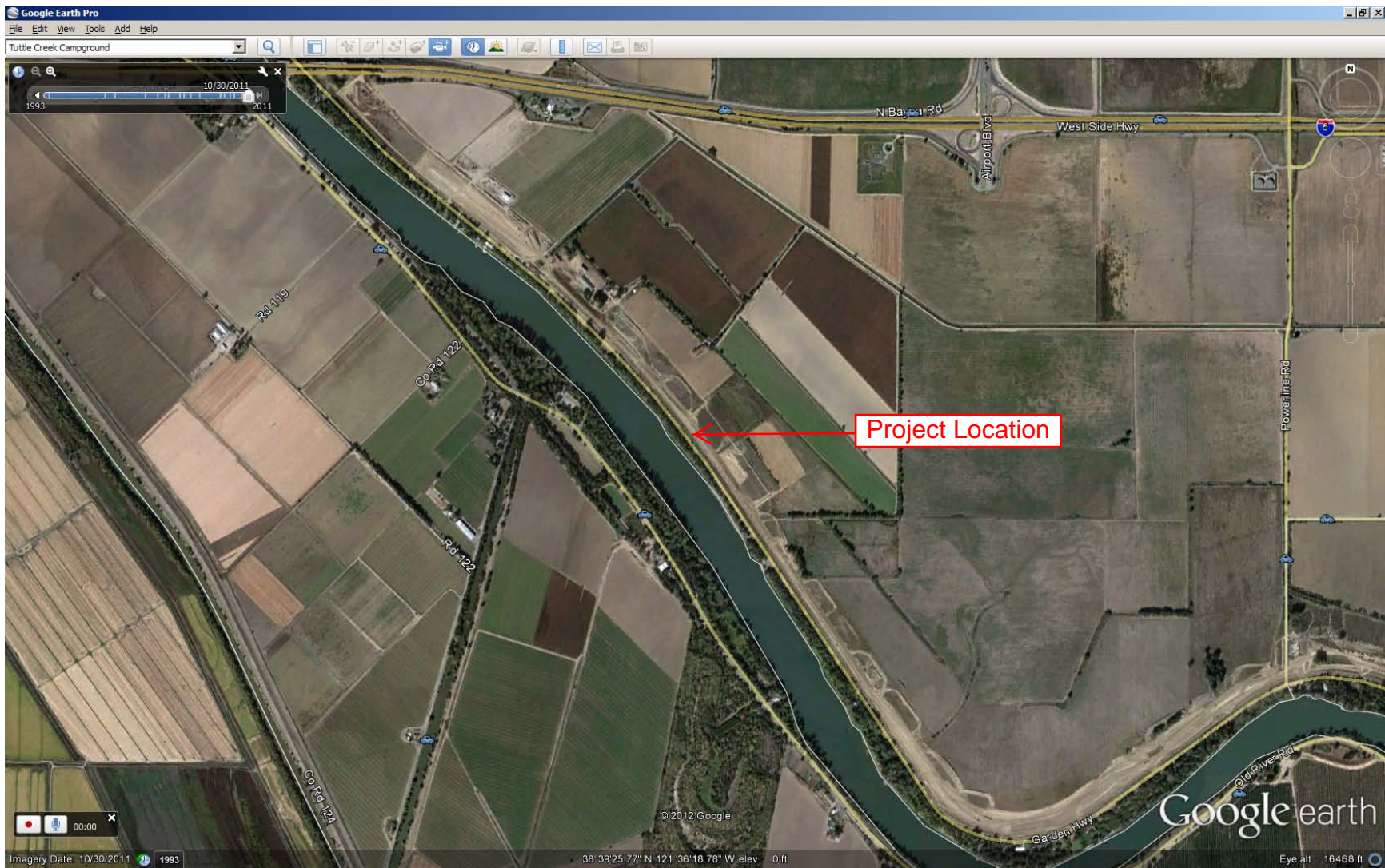
Staff recommends that the Board adopt the CEQA findings, approve Resolution 2012-41 (attachment D), approve the permit and direct staff to file a Notice of Determination with the State Clearinghouse.

10.0 – LIST OF ATTACHMENTS

- A. Location Maps and Photos
- B. Draft Permit No. 18742 with Exhibit(s) A & B
- C. Design Drawings
- D. Resolution 2012- 41

Design Review:	Sterling Sorenson
Environmental Review:	James Herota / Andrea Mauro
Document Review:	Gary W. Lemon P.E., Len Marino P.E.







Photograph 1: Siddiqui River Pump existing pump house (River Mile 69.15)



Photograph 2: Sacramento River east levee looking north along waterside from Siddiqui River Pump.



Photograph 3: Looking west from top of new adjacent levee at Siddiqui River Pump.



Photograph 4: Looking east from top of new adjacent levee at Siddiqui River Pump.

STATE OF CALIFORNIA
THE RESOURCES AGENCY
THE CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 18747 BD

This Permit is issued to:

Javed T. and Amna J. Siddiqui
1808 J Street
Sacramento, California 95811

Construction of a private irrigation system including a river pump, pipe through the levee and appurtenant structures. The project is located in Sacramento County on the east bank of the Sacramento River on Garden Highway approximately 1.4 miles downstream of the Interstate 5 crossing at RM 69.2. (Section 1, T9N, R3E, MDB&M, Reclamation District 1000, Sacramento River, Sacramento County).

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

(SEAL)

Dated: _____

Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 days' notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 18747 BD

THIRTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior written approval of the Central Valley Flood Protection Board.

FOURTEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the herein permitted encroachment and shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California; including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

FIFTEEN: The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Central Valley Flood Protection Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

SIXTEEN: The Central Valley Flood Protection Board, the California Department of Water Resources and Reclamation District 1000 shall not be held liable for any damage(s) to the herein permitted encroachment(s) resulting from release(s) of water from reservoirs, flood fight, operation, maintenance, inspection, or emergency repair.

SEVENTEEN: The permittee shall contact the Department of Water Resources by telephone, (916)

574-0609, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

EIGHTEEN: No construction work of any kind shall be done during the flood season from November 1st to April 15th without prior written approval of the Central Valley Flood Protection Board.

NINETEEN: All cleared trees and brush shall be completely burned or removed from the floodway, and downed trees or brush shall not remain in the floodway during the flood season from November 1st to April 15th.

TWENTY: The permittee shall be responsible for repair of any damages to the project levee and other flood control facilities due to construction, operation, or maintenance of the proposed project.

TWENTY-ONE: No material stockpiles, temporary buildings, or equipment shall remain in the floodway during the flood season from November 1st to April 15th.

TWENTY-TWO: Pipe installed in the levee section and within 10 feet of the levee toes shall be new steel and at least 10 gauge for up to 12-inch diameter and 7 gauge for up to 30-inch diameter pipe. Steel pipe shall be corrosion-proofed externally with a coating of coal-tar enamel; asphalt-saturated felt wrap; cement mortar; or PVC or polyethylene tape wrapped to a thickness of 30 mils. Steel pipe shall be corrosion-proofed internally with a continuous lining of cement mortar or asphalt.

TWENTY-THREE: All pipe joints within the levee section shall be butt welded or threaded.

TWENTY-FOUR: The pipe shall be placed in the center of an open trench 2 feet wider than the diameter of the pipe or 2 times the diameter, whichever is greater.

TWENTY-FIVE: The pipe shall be placed in an open cut with side slopes of 1 horizontal to 1 vertical or flatter.

TWENTY-SIX: Any excavations made in the levee section or within 10 feet of the levee toes shall be backfilled in 4- to 6-inch layers with impervious material with 20 percent or more passing the No. 200 sieve, a plasticity index of 8 or more, and a liquid limit of less than 50 and free of lumps or stones exceeding 3 inches in greatest dimension, vegetative matter, or other unsatisfactory material. Backfill material shall be compacted in 4- to 6-inch layers to a minimum of 90 percent relative compaction as measured by ASTM Method D1557-91.

TWENTY-SEVEN: Compaction tests by a certified soils laboratory will be required to verify compaction of backfill within the levee section or within 15 feet of the levee toe.

TWENTY-EIGHT: The pipeline shall be tested and confirmed free of leaks by X-ray, pressure tests, or other approved methods during construction or anytime after construction upon request by the Central Valley Flood Protection Board.

TWENTY-NINE: All debris generated by this project shall be properly disposed of outside the flood control project works.

THIRTY: In the event that erosion, injurious to the adopted plan of flood control, occurs at or adjacent

to the herein permitted encroachment, the permittee shall repair the eroded area and propose measures, to be approved by the Central Valley Flood Protection Board, to prevent further erosion.

THIRTY-ONE: The permittee shall maintain the herein permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by any authorized representative of the Central Valley Flood Protection Board, the California Department of Water Resources and/or any other agency responsible for maintenance.

THIRTY-TWO: The herein permitted encroachment(s) shall not interfere with operation and maintenance of the flood control project works. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the project works to interfere, the permittee shall be required, at permittee's cost and expense, to modify or remove the permitted encroachment(s) under direction of the Central Valley Flood Protection Board or Department of Water Resources. If the permittee does not comply, the Central Valley Flood Protection Board may modify or remove the encroachment(s) at the permittee's expense.

THIRTY-THREE: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

THIRTY-FOUR: The mitigation measures approved by the CEQA lead agency and the permittee are found in the Mitigation Monitoring and Reporting Plan (MMRP) adopted by the CEQA lead agency. The permittee shall implement all such mitigation measures as allowed by law under CEQA Guidelines, Title 14, California Code of Regulations Sections 15000 - 15387.

THIRTY-FIVE: The permittee shall comply with all conditions set forth in the U.S. Army Corps of Engineers 208.10 comment letter dated August 09, 2012, which is attached to this permit as Exhibit A and is incorporated by reference.

THIRTY-SIX: The permittee shall comply with all conditions set forth in the letter from Reclamation District 1000 which is attached to this permit as Exhibit B and is incorporated by reference.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. Army Engineer District, Sacramento
Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

AUG 09 2012

Flood Protection and Navigation Section (18747)

Mr. Jay Punia, Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Room 151
Sacramento, California 95821

Dear Mr. Punia:

We have reviewed a permit application by Javed T. and Amna J. Siddiqui (application number 18747). This project includes constructing a private irrigation system including a river pump, pipe through levee and appurtenant structures. This project also includes placing rock slope protection. This project is located on the east bank of the Sacramento River on Garden Highway 1.4 miles downstream of the Interstate 5 crossing, near River Mile 69.2, at 38.6596°N 121.6063°W, in Sacramento County, California.

The District Engineer has no objection to approval of this application by your Board from a flood control standpoint, subject to the following conditions:

- a. That no excavation shall be made or remain in the project levee and channel during the flood season of November 1 to April 15 unless otherwise approved in writing by your Board.
- b. That, as shown on the application drawing C-205, sheet 20, the invert of the steel pipe through the levee section shall be above elevation 39.9 feet.
- c. That the proposed pipe shall be equipped with a positive closure device at the waterside levee hinge.
- d. That the positive closure device shall be inspected periodically to ensure it is functioning properly.
- e. That the proposed work shall not interfere with the integrity or hydraulic capacity of the flood risk reduction project; easement access; or maintenance, inspection, and flood fighting procedures.
- f. That the levee shall be reconstructed to the existing lines and grade with levee fill similar to the soil used for the existing adjacent levee and compacted to a minimum

95% of the maximum density obtained by the standard proctor test at a moisture content between -1 and +3 percent of the optimum moisture content, per ASTM D 698.

g. That the material for the levee backfill, shall have a maximum particle size of 2 inches, at least 30% fines passing the #200 sieve, a liquid limit less than 45, and a plasticity index between 8 and 40.

h. That the proposed pipe in the levee section shall be buried at least 2 feet below the levee crown. If it is necessary to raise the levee crown to provide a minimum of two feet of cover over the top of the proposed pipe, the fill shall be uniformly transitioned on a 1 on 10 slope or flatter on each side of the proposed pipe and feathered into the existing grade.

i. That in the event trees and brush are cleared, they shall be properly disposed of either by complete burning or complete removal outside the limits of the project right-of-way.

j. That all vegetation removed shall be properly grubbed. All roots greater than ½ inch in diameter shall be completely removed and the levee embankment returned to existing lines and grade.

k. That the proposed pipe crossing shall be designed and constructed in accordance with the U.S. Army Corps of Engineers' Engineering Manual (EM) 1110-2-1913, Design Guidance Standard Operating Procedure #3, and California Code of Regulations Title 23 Waters, Division 1 Reclamation Board.

l. That the proposed pipe shall be designed and constructed to prevent 1) flotation, 2) scour or embankment erosion, 3) damage from debris, particularly during flood flows, 4) leakage, 5) seepage along the proposed pipe, 6) corrosion, and 7) damage from vehicular loads.

m. That the pipe shall be clearly marked in the field such that the location can be easily established in a flood event/emergency repair action.

n. That the condition of the pipe shall be verified using video or sonar equipment at least once every five years or by annual pressure readings showing no significant loss in pressure. The results of the inspection shall be submitted through the Central Valley Flood Protection Board to the Department of Water Resources, Flood Project Integrity and Inspection Branch and this office.

o. That in the event erosion occurs at the site, the applicant shall repair the eroded areas and place adequate bank protection to prevent future erosion.

p. That any existing unused piping shall be completely removed from the project right-of-way.

q. That the proposed bank protection work shall be placed uniformly and properly transitioned into the natural bank.

r. That the proposed work shall not change the streamflow velocity in such a way that might cause damage to the existing waterside levee nor reduce the channel flow capacity.

s. That the cut made in the levee section shall be excavated at a slope no steeper than 2H:1V.

A Section 10 and/or Section 404 permit (2010-907) has been issued for this work.

A copy of this letter is being furnished to Mr. Don Rasmussen, Chief, Flood Project Integrity and Inspection Branch, 3310 El Camino Avenue, Suite LL30, Sacramento, CA 95821.

Sincerely,



Rick L. Poepelman, P.E.
Chief, Engineering Division



RECLAMATION
DISTRICT 1000

Permit Conditions

Permit Application No. Unnumbered

Location: Sacramento River RM 69.2L (approx)

Applicant: Javed Siddiqui

Description: Private irrigation system including river pump, pipe through levee and appurtenant structures

CONDITIONS:

1. Maintenance of all encroaching structures, facilities, vegetation or any other items or matters approved under this permit shall remain the responsibility of the Permittee.
2. Permittee may be required, at the Permittee's sole cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted work if such removal, alteration, relocation or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if the encroaching facilities interferes with the District's ability to operate and maintain its flood control facilities or if the encroaching facilities are damaged by any cause.
3. Permittee(s) hereby agree(s) to indemnify and hold and save the District and its employees harmless from any damage, costs or liability, including all costs of defense, which may arise as result of the exercise of this Permit.
4. Permittee(s) agree(s) to replace or repair any District property used and/or damaged as a result of the exercise of this Permit
5. During construction, Permittee shall provide access for District personnel, vehicles and equipment at all times to allow for the District to conduct its operation and maintenance responsibilities.
6. Permittee shall obtain all necessary permits and regulatory approvals for the proposed work
7. Permittee shall notify the District one week in advance of the start of construction.

8. Permittee shall replace all existing pipe through Garden Highway and waterward to the proposed pump including pipe through existing pump house all to the satisfaction of the District and CVFPB.
9. Permittee shall remain responsible for any damages to the flood control system caused by the permitted encroachment including, but not limited to, settlement, erosion or other damages. Any such damage shall be repaired prior to the next flood season to the satisfaction of the District.
10. Permittee is responsible for maintaining the integrity of the pipe through the levee and shall demonstrate the pipe's integrity to the satisfaction of the District, Central Valley Flood Protection Board (CVFPB) and Corps of Engineer's. This shall require periodic inspections and/or testing of the pipe as required by the District, CVFPB and Corps of Engineers. Costs of all such inspections and/or testing shall be the responsible of the Permittee.
11. Permittee shall replace any pipe section which is damaged or otherwise deemed unacceptable as reasonably determined by the District, CVFPB and Corps of Engineers prior to its continued use.

Resolution No. 2010-02

WHEREAS, Reclamation District No. 1000 (District) operates and maintains levees under the authority of the California Central Valley Flood Protection Board (CCVFPB) and the California Water Code; and

WHEREAS, the CCVFPB and Title 23 of the California Water Code require any encroachment on or adjacent to the levee or within the designated floodway have an encroachment permit be issued by the CCVFPB with appropriate conditions to insure they do not impede or impair the operations and maintenance of the flood control system; and

WHEREAS, such permit applications are reviewed and endorsed by the local maintaining agency responsible for the operations and maintenance of the levee system where the encroachment is proposed and allows for conditions to be included in the permits to address issues including, but not limited to, operations, maintenance, public safety and flood emergency response; and

WHEREAS, endorsement of the permit applications for levees surrounding the Natomas basin are the purview of the District and various actions through the years by past District Boards have granted authority to the General Manager to endorse permit applications; and

WHEREAS, the Board desires to enumerate a clear policy on how future permit applications are to be reviewed and endorsed by the District

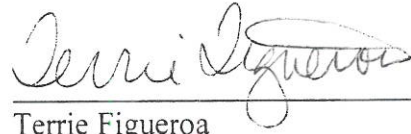
NOW, THEREFORE BE IT RESOLVED:

The Reclamation District No. 1000 Board of Trustees desires to delegate their authority to endorse encroachment permit applications to the District General Manager for routine encroachments and those which do not involve District policy issues. A determination as to which permits will be endorsed by the General Manager shall be left to his or her judgment, provided however, that all such endorsements shall be presented to the Board of Trustees at the next scheduled Board meeting.

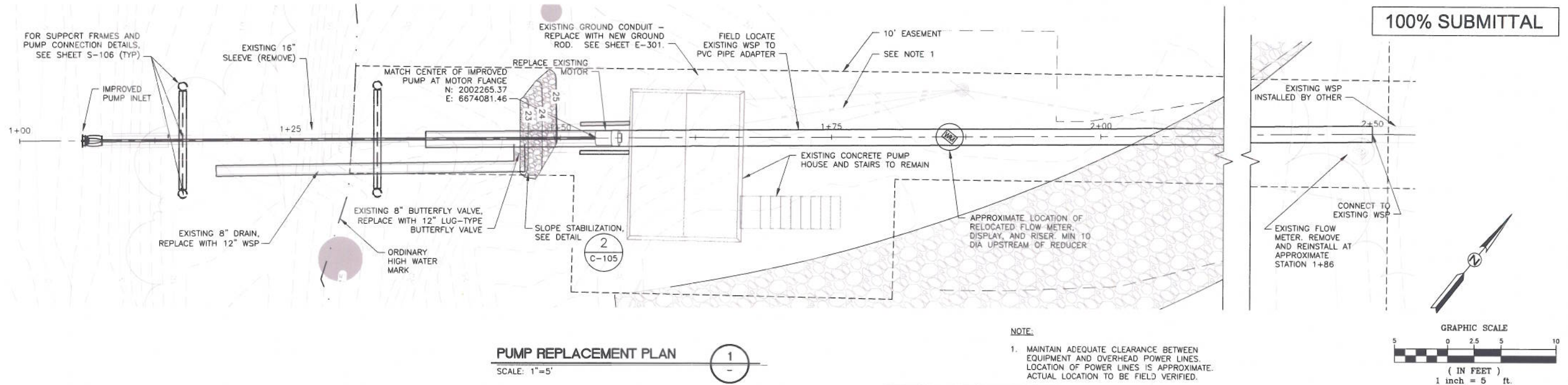
Those permit applications which are not routine in nature, present policy issues or are likely to be controversial shall be brought to the Board for consideration and action at which time the Board may delegate signature authority to the General Manager if approved. This will include all permit applications where the General Manager is recommending denial to the California Central Valley Flood Protection Board.

CERTIFICATION

I, Terrie Figueroa, Secretary of Reclamation District No, 1000, hereby certify that the foregoing Resolution 2010-02 was duly adopted by the Board of Trustees of Reclamation District No, 1000 at a regular meeting held January 8, 2010 and made a part of the minutes thereof.

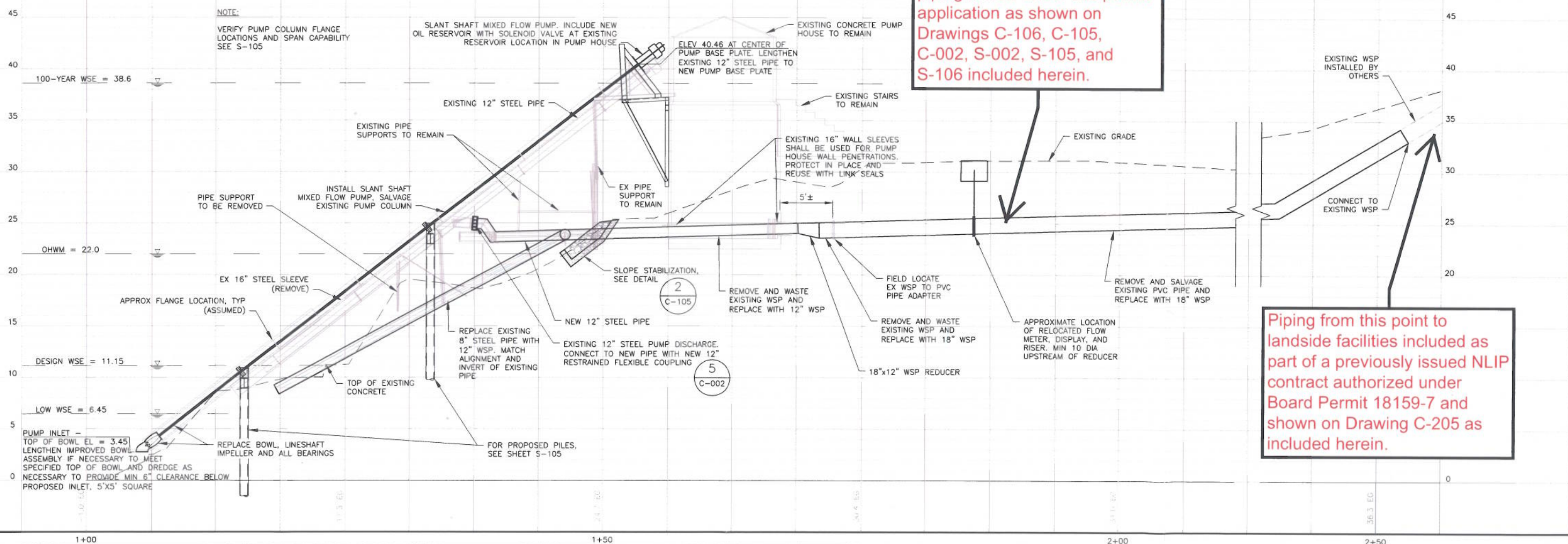
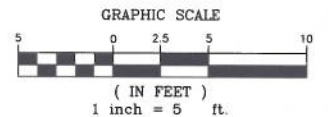
A handwritten signature in cursive script, appearing to read "Terrie Figueroa", written over a horizontal line.

Terrie Figueroa
District Secretary



PUMP REPLACEMENT PLAN
SCALE: 1"=5'

NOTE:
1. MAINTAIN ADEQUATE CLEARANCE BETWEEN EQUIPMENT AND OVERHEAD POWER LINES. LOCATION OF POWER LINES IS APPROXIMATE. ACTUAL LOCATION TO BE FIELD VERIFIED.



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REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
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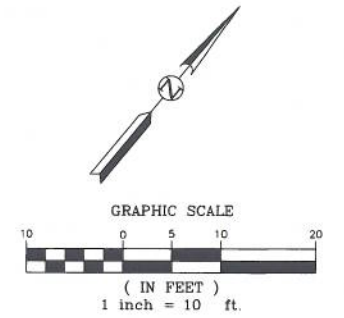
DESIGNED BY: JRA
DRAWN BY: STAFF
CHECKED BY: GJK
IN CHARGE: SRS
DATE: 3/15/12



Mead & Hunt
Mead & Hunt, Inc.
180 Promenade Circle, Suite 240
Sacramento, CA 95834
916.971.3961
www.meadhunt.com

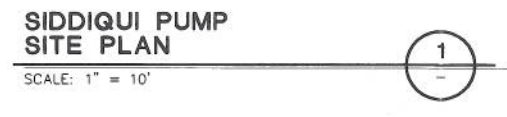
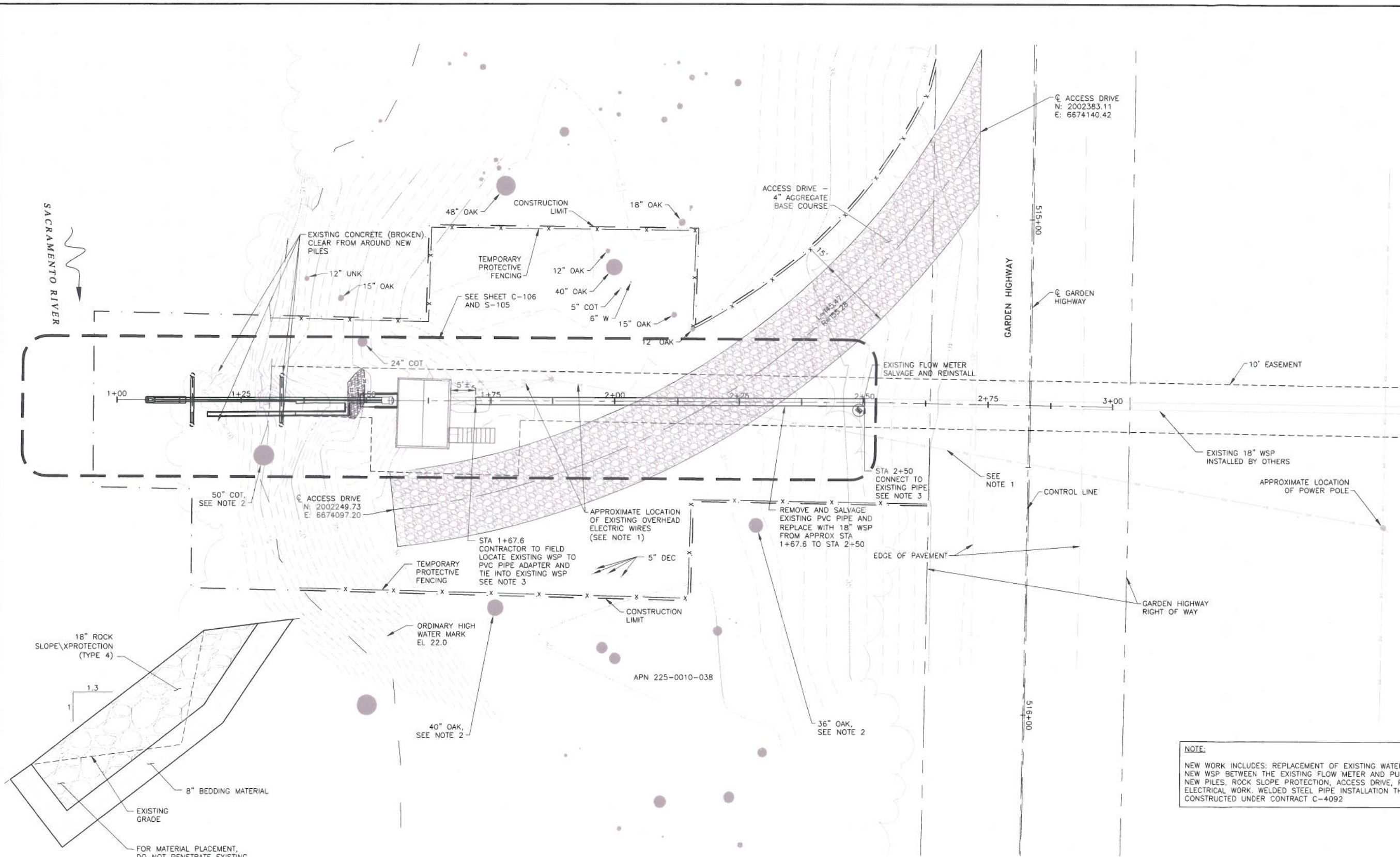
SAFCA
VOL 2: SREL PHASES 1F AND 3C IMPROVEMENT PLANS
RIVER PUMP REPLACEMENT
SIDDIQUI PLAN AND PROFILE

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. SHEET
C-106 13



NOTES:

1. MAINTAIN ADEQUATE CLEARANCE BETWEEN EQUIPMENT AND OVERHEAD POWER LINES. LOCATION OF POWER LINES IS APPROXIMATE. ACTUAL LOCATION TO BE FIELD VERIFIED.
2. TREE TRIMMING SHALL BE PERFORMED BY A CERTIFIED ARBORIST IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND SECTION 10-13 OF THE GENERAL SPECIFICATIONS.
3. CONTRACTOR TO FIELD LOCATE EXISTING 18" WSP AND PVC PIPE TO WSP ADAPTER ON LAND SIDE OF GARDEN HIGH WAY PRIOR TO PIPE FABRICATION AND SHOP DRAWING SUBMITTAL.



NOTE:
 NEW WORK INCLUDES: REPLACEMENT OF EXISTING WATERSIDE PIPING WITH NEW WSP BETWEEN THE EXISTING FLOW METER AND PUMP DISCHARGE, NEW PILES, ROCK SLOPE PROTECTION, ACCESS DRIVE, PUMP, MOTOR AND ELECTRICAL WORK. WELDED STEEL PIPE INSTALLATION THROUGH LEVEE IS CONSTRUCTED UNDER CONTRACT C-4092

100% SUBMITTAL

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
0	3/15/12	CLS	GJB	SRS	100% SUBMITTAL

DESIGNED BY: JRA
 DRAWN BY: STAFF
 CHECKED BY: GJK
 IN CHARGE: SRS
 DATE: 3/15/12

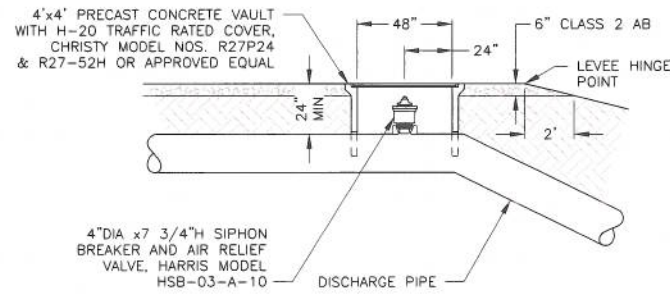


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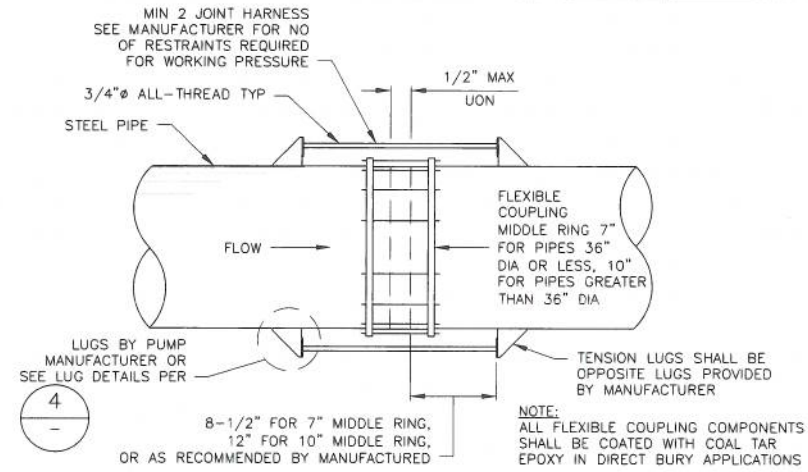
SAFCA
 VOL 2: SREL PHASES 1F AND 3C IMPROVEMENT PLANS
 RIVER PUMP REPLACEMENT
 SIDDQUI SITE PLAN

VERIFY SCALES
 BAR IS ONE INCH ON
 ORIGINAL DRAWING,
 ADJUST SCALES FOR
 REDUCED PLOTS
 0" 1"
 DRAWING NO. SHEET
 C-105 12

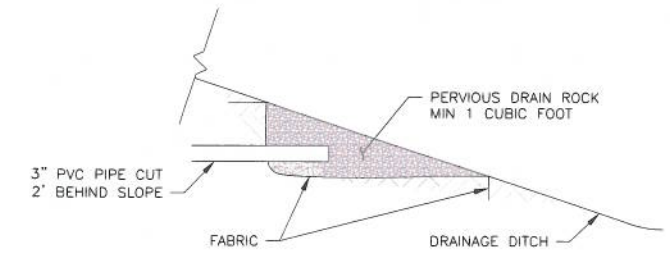
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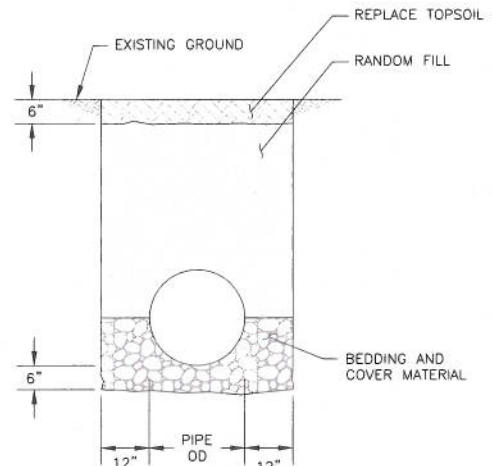
SIPHON BREAKER VAULT
SCALE: NTS



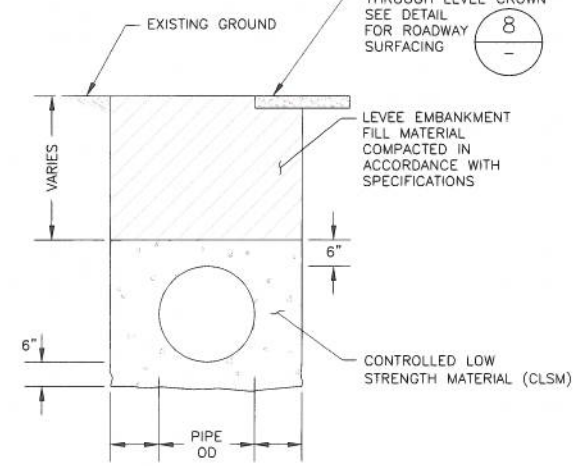
RESTRAINED FLEXIBLE COUPLING DETAIL
SCALE: 1"=1'-0"



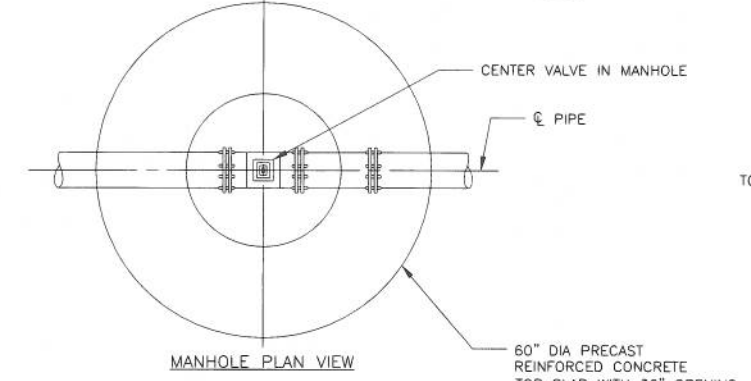
DRAIN PIPE DISCHARGE
SCALE: NTS



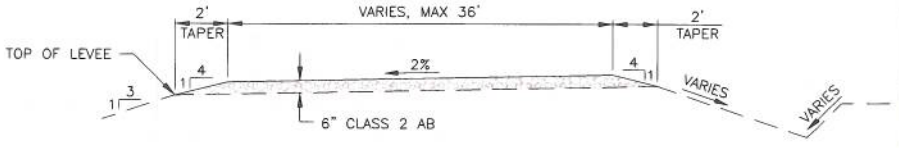
PIPE BACKFILL DETAIL
SCALE: 1/2"=1'-0"



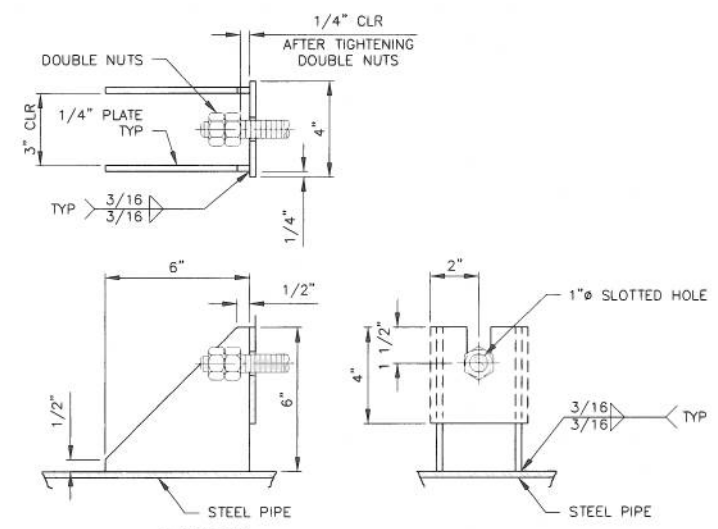
PIPE BACKFILL DETAIL THROUGH LEVEE
SCALE: 1/2"=1'-0"



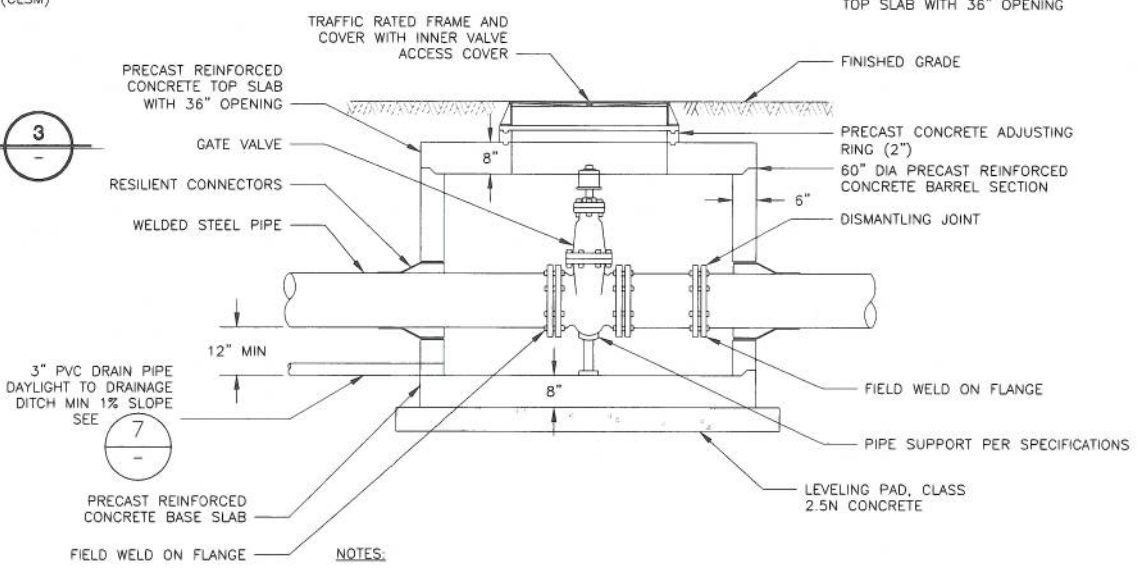
MANHOLE PLAN VIEW



TYPICAL LEVEE ROADWAY SURFACING
SCALE: NTS



TYPICAL TENSION LUG DETAILS
SCALE: 3"=1'-0"



- NOTES:**
- PIPE PENETRATIONS THROUGH MANHOLE SHALL INCLUDE RESILIENT CONNECTORS.
 - VALVE VAULT MUST CONFORM TO ASTM C-478. ALL JOINTS (CASTING, ADJUSTING RINGS, TOP SLAB, BARREL SECTIONS, AND BASE SLAB) SHALL BE MADE WITH RUBBER GASKETS, ASTM C443.
 - VAULT SECTIONS TO BE TONGUE AND GROOVED.
 - NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED.
 - PIPE SUPPORT TO BE MOUNTED TO BASE WITH (4) 1/2" THREADED BOLTS (3 1/2" EMBEDMENT) INSTALLED WITH EPOXY.
 - PROVIDE RODENT SCREEN ON PIPE DRAIN AT OUTFALL.
 - INSTALL 3" WIDE REFLECTIVE MARKER AT DRAIN PIPE OUTFALL (HEIGHT=4' MIN)

VALVE VAULT DETAIL
SCALE: 1/2"=1'-0"

100% SUBMITTAL

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REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
0	3/15/12	CLS	GJB	SRS	100% SUBMITTAL

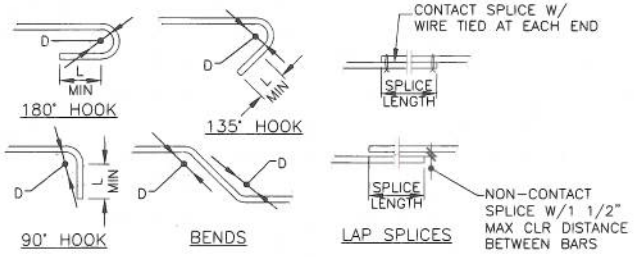
DESIGNED BY:	JFN
DRAWN BY:	STAFF
CHECKED BY:	GJB
IN CHARGE:	SRS
DATE:	3/15/12



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VOL 2: SREL PHASES 1F AND 3C IMPROVEMENT PLANS
COMMON DETAILS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS 0" = 1"
DRAWING NO. SHEET C-002 7



REINFORCING BAR BEND, LAP SPlice LENGTH AND STANDARD HOOK SCHEDULE

SIZE	MIN PIN DIA	"TOP" REINF SPLICE LENGTH	"OTHER" REINF SPLICE LENGTH	MIN 90 HOOK "L"	MIN 180 HOOK "L"
#3	2 1/4"	28"	22"	4 1/2"	2 1/2"
#4	3"	37"	29"	6"	2 1/2"
#5	3 3/4"	47"	36"	7 1/2"	2 1/2"
#6	4 1/2"	56"	43"	9"	3"
#7	5 1/4"	81"	63"	10 1/2"	3 1/2"
#8	6"	93"	72"	12"	4"
#9	9 1/2"	105"	81"	13 1/2"	4 1/2"
#10	10 3/4"	118"	91"	15 1/4"	5 1/4"
#11	12"	131"	101"	17"	5 3/4"

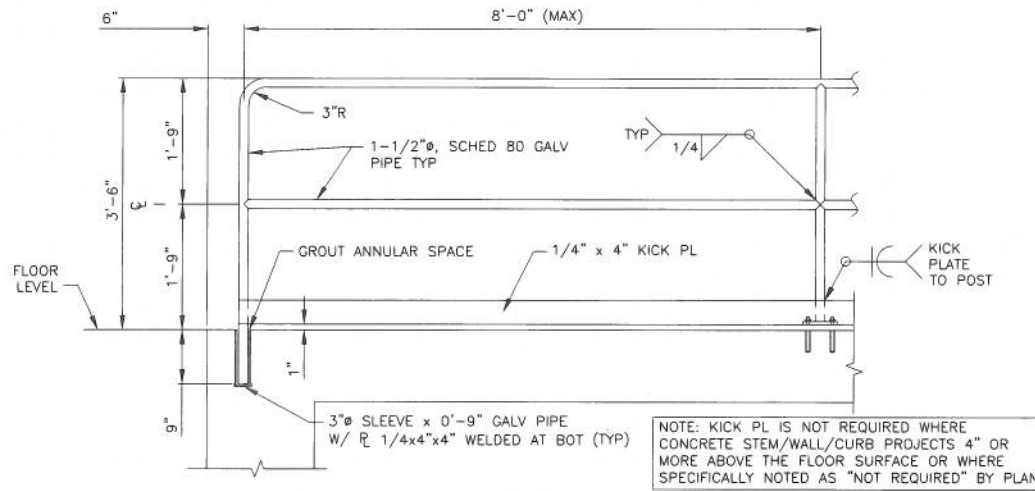
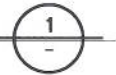
TIE, STIRRUP, HOOP AND CROSSTIE SCHEDULE

SIZE	MIN PIN DIA	MIN 90° HOOK "L"	MIN 135° HOOK "L"	LAP SPlice LENGTH
#3	1 1/2"	3"	3"	USE TYP REINF SCHEDULE
#4	2"	3"	3"	
#5	2 1/2"	3 3/4"	3 3/4"	

- NOTES:**
- THIS DETAIL SHALL BE USED WHERE REBAR SPlice LENGTHS AND DEVELOPMENTS ARE NOT SPECIFICALLY DETAILED/DIMENSIONED IN THE DRAWINGS.
 - SCHEDULE IS BASED ON ACI 318. LAP SPlices INDICATED ARE CLASS "B".
 - LAP SPlice LENGTHS GIVEN ARE APPLICABLE FOR NORMAL WEIGHT CONCRETE WITH A MINIMUM STRENGTH (f'c) OF 3000 PSI. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY TABLE VALUES BY 1.3.
 - "TOP" REINFORCEMENT IS DEFINED AS HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF FRESH CONCRETE CAST IN THE MEMBER BELOW THE SPlice.
 - WHERE BARS OF DIFFERENT SIZE ARE LAP SPliced, SPlice LENGTH SHALL BE THE SPlice LENGTH OF LARGER BAR.

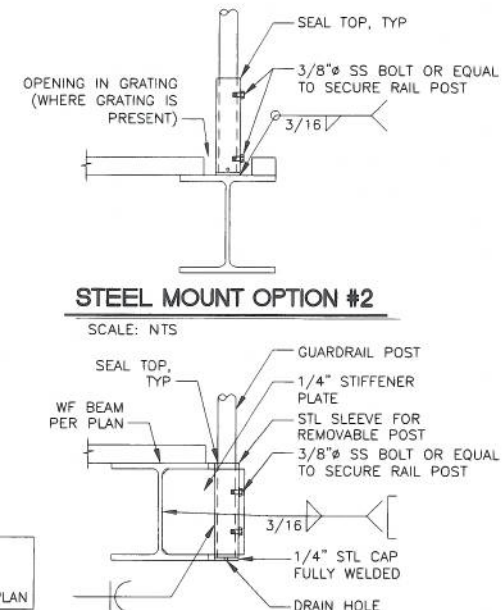
BAR BENDS, HOOKS AND SPICES

NOT TO SCALE



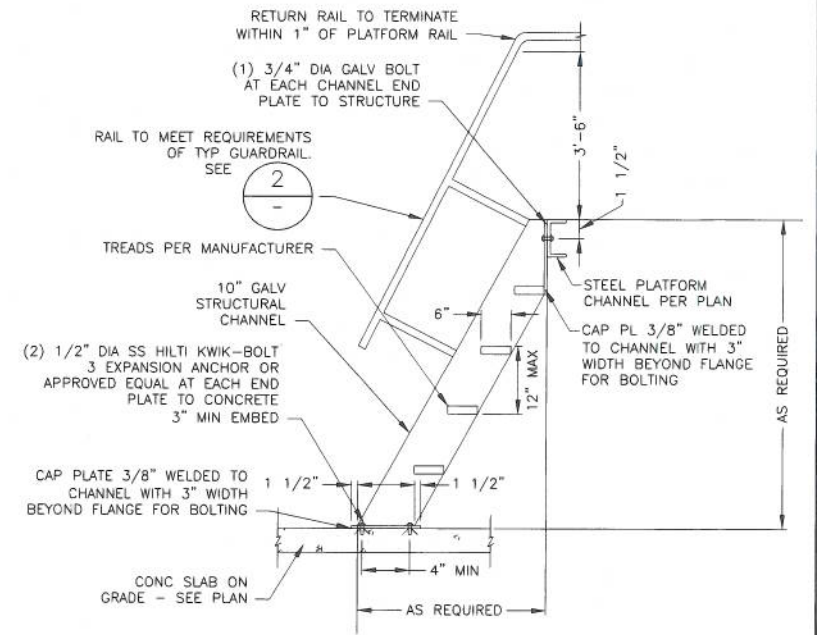
TYPICAL GUARDRAIL DETAIL

SCALE: NTS



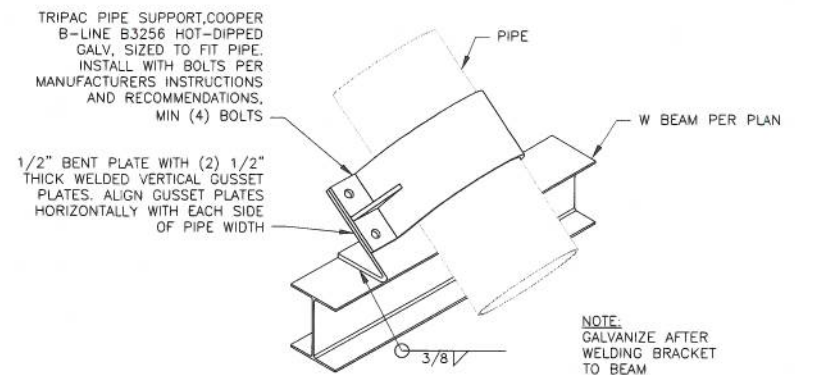
STEEL MOUNT OPTION #1

SCALE: NTS



TYPICAL STAIRWAY DETAIL

SCALE: NTS



BEAM TO PUMP COLUMN CONNECTION

SCALE: NTS



100% SUBMITTAL

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REV.	DATE	BY	CHK.	APPR.	DESCRIPTION	REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
0	3/15/12	CLS	GJB	SRS	100% SUBMITTAL						

DESIGNED BY: EDL
 DRAWN BY: STAFF
 CHECKED BY: EDL
 IN CHARGE: SRS
 DATE: 3/15/12

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REGISTERED PROFESSIONAL ENGINEER
 STEPHEN R. SULLIVAN
 50581
 JUN 2013
 CIVIL
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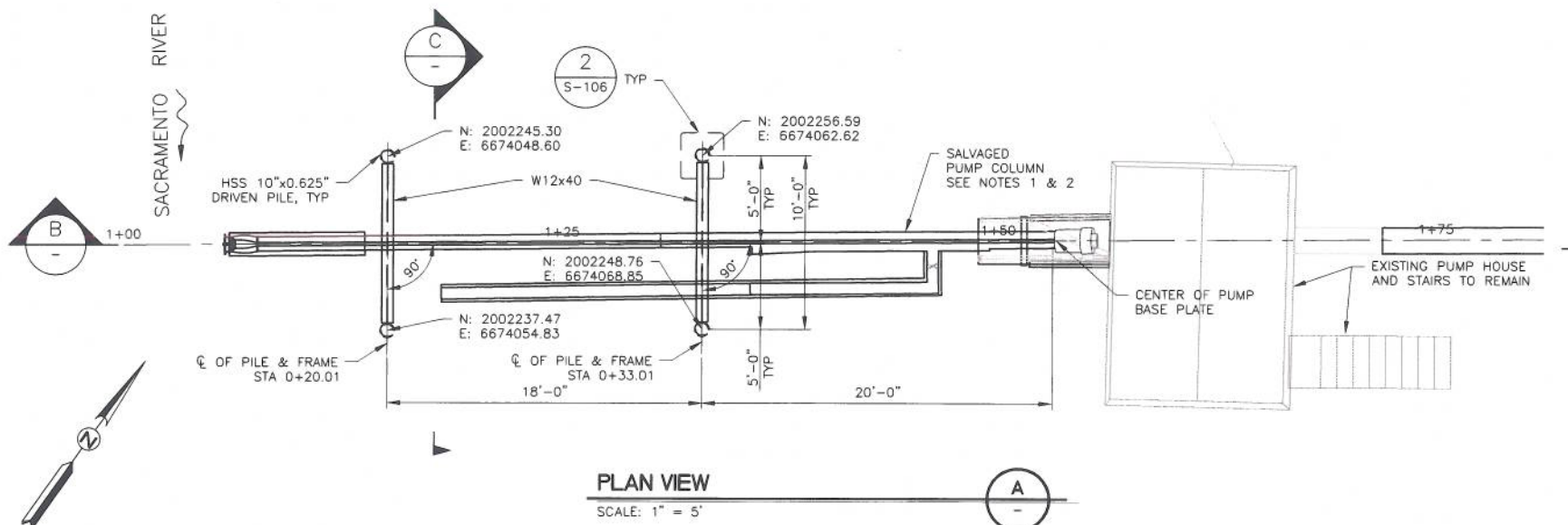
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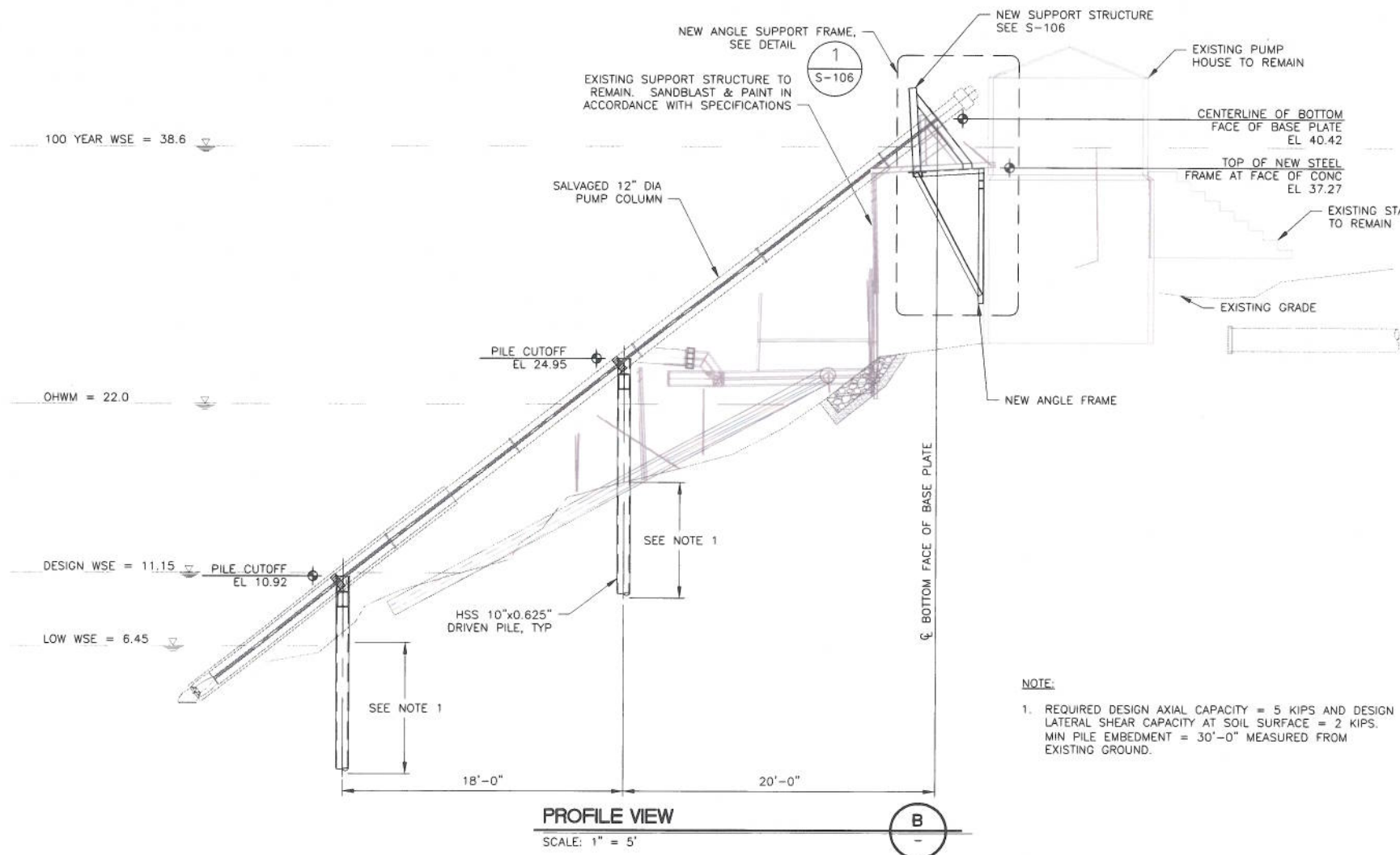
VOL 2: SREL PHASES 1F AND 3C IMPROVEMENT PLANS
 TYPICAL STRUCTURAL DETAILS

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0" = 1"

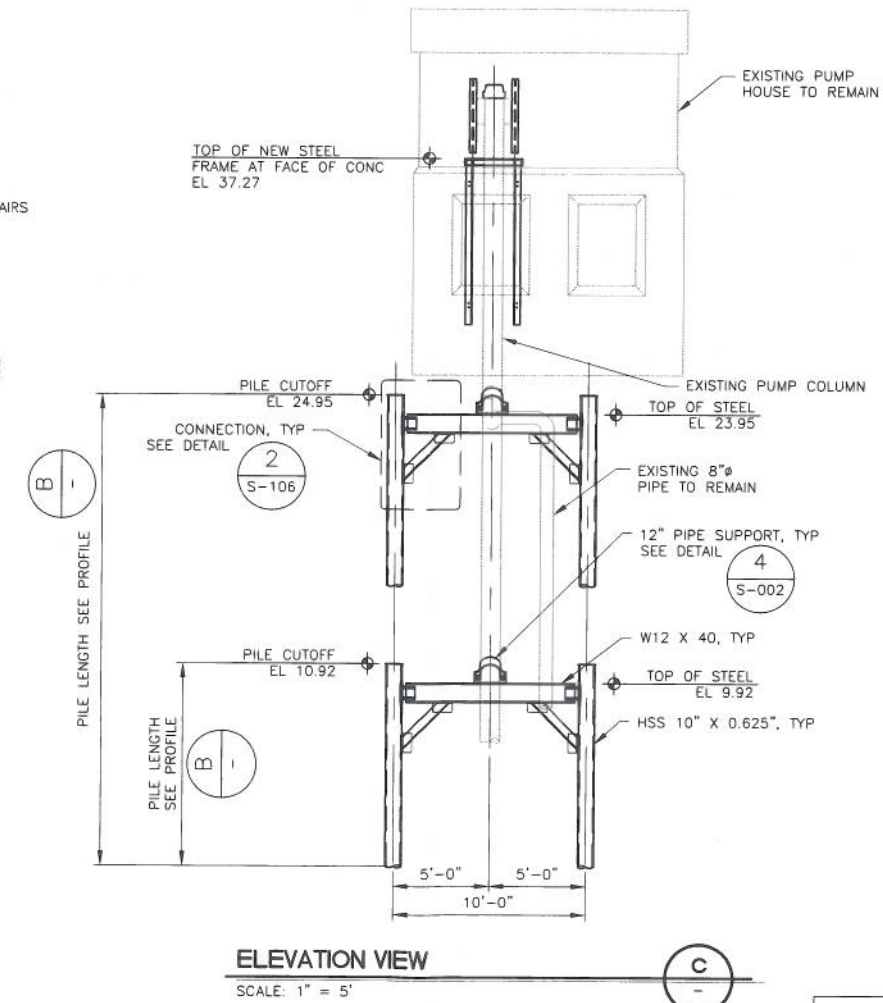
DRAWING NO. SHEET
 S-002 15



- NOTES:**
1. PRIOR TO PILE LAYOUT AND INSTALLATION, VERIFY PUMP COLUMN FLANGE LAYOUT AND SUPPORT CONFIGURATION. SUBMIT SHOP DRAWINGS FOR PUMP COLUMN INCLUDING PILE LOCATIONS, FLANGE DETAILS, AND REINFORCEMENT PROPOSED.
 2. PUMP COLUMN SHALL BE CAPABLE OF SUPPORTING ITS OWN WEIGHT PLUS A 500# GRAVITY POINT LOAD AND A 1500# LATERAL DEBRIS LOAD AT ANY POINT.



- NOTE:**
1. REQUIRED DESIGN AXIAL CAPACITY = 5 KIPS AND DESIGN LATERAL SHEAR CAPACITY AT SOIL SURFACE = 2 KIPS. MIN PILE EMBEDMENT = 30'-0" MEASURED FROM EXISTING GROUND.



100% SUBMITTAL

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REV.	DATE	BY	CHK.	APPR.	DESCRIPTION	REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
0	3/15/12	CLS	GJB	SRS	100% SUBMITTAL						

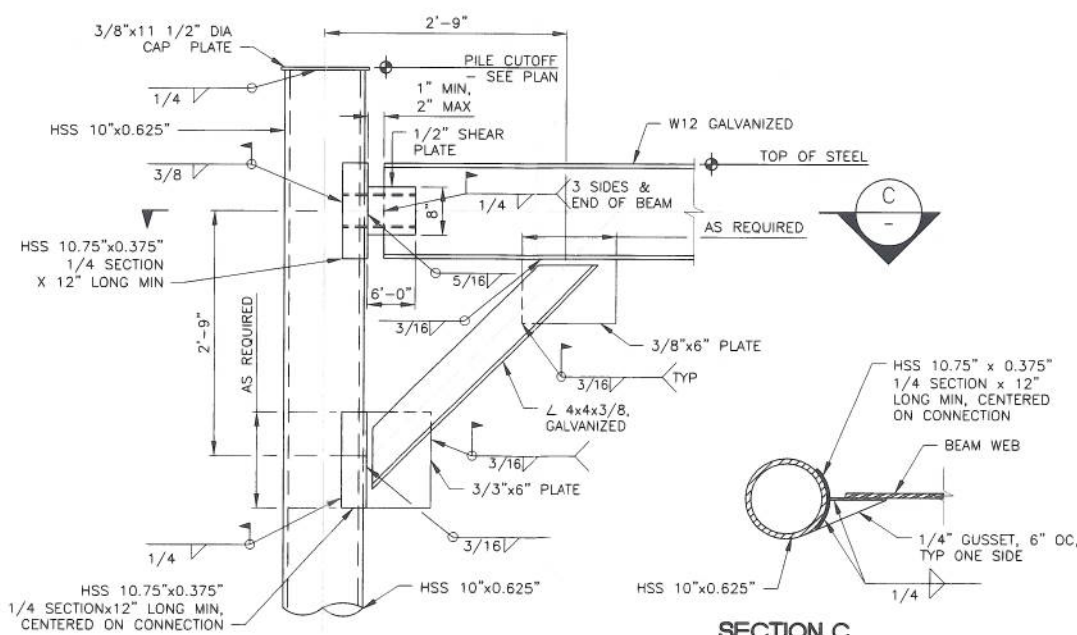
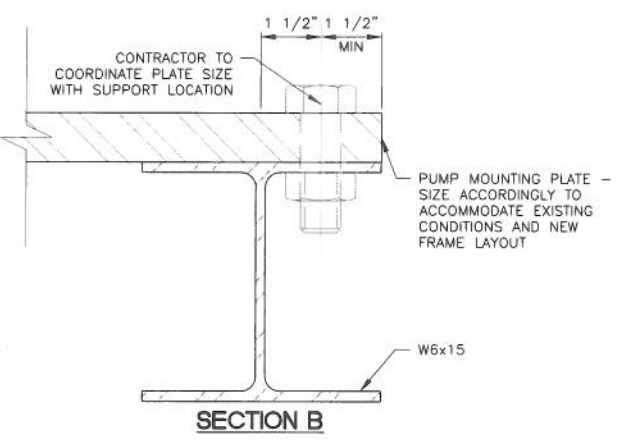
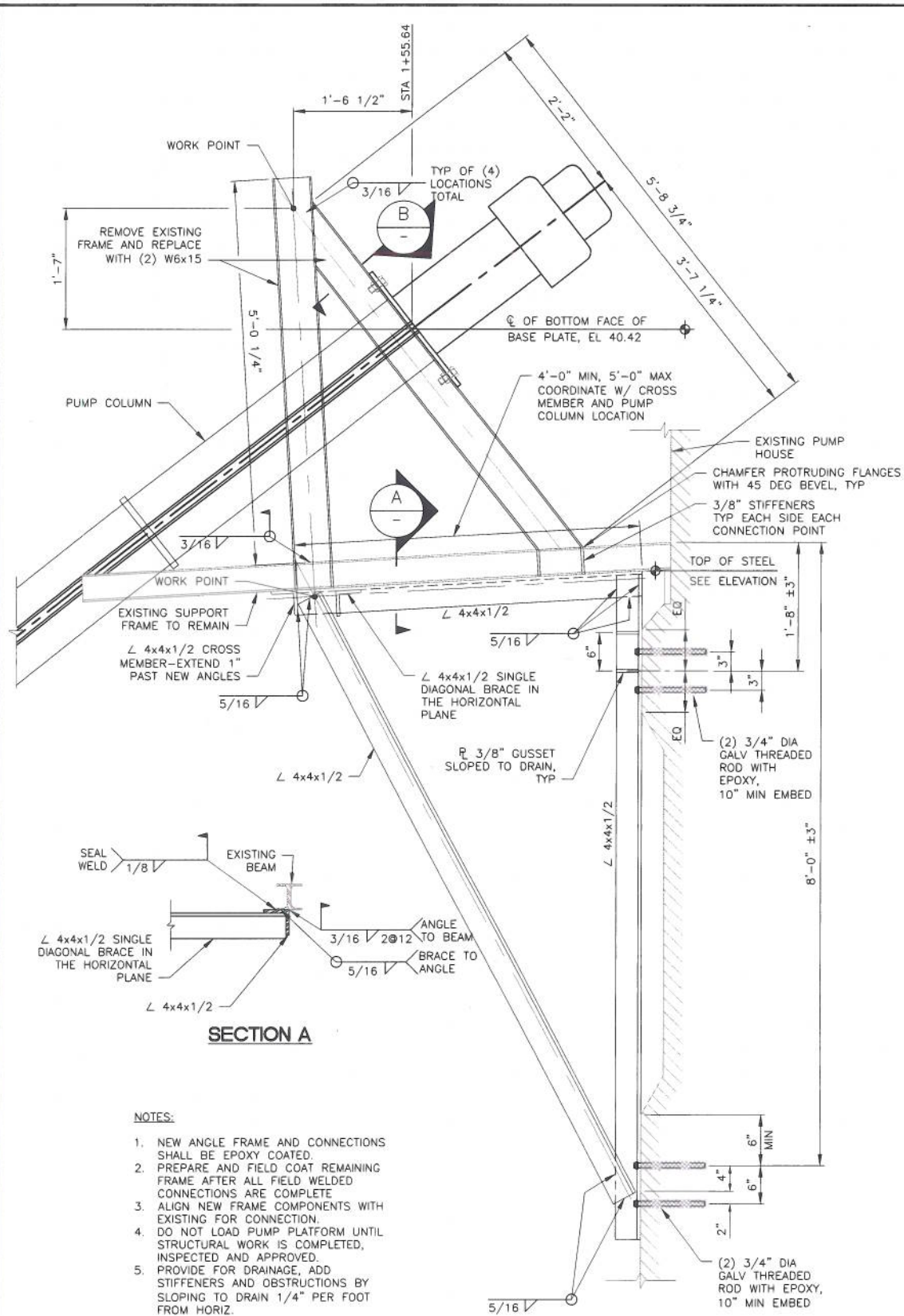
DESIGNED BY:	BPB
DRAWN BY:	STAFF
CHECKED BY:	EDL
IN CHARGE:	SRS
DATE:	3/15/12



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 VOL 2: SREL PHASES 1F AND 3C IMPROVEMENT PLANS
 RIVER PUMP REPLACEMENT
 SIDDIQUI PLAN AND PROFILE

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS 0" = 1"	
DRAWING NO.	SHEET
S-105	20



NEW ANGLE FRAME SUPPORT
SCALE: NTS

KNEE BRACE AT ROUND PILE
SCALE: NTS

100% SUBMITTAL

- NOTES:**
1. NEW ANGLE FRAME AND CONNECTIONS SHALL BE EPOXY COATED.
 2. PREPARE AND FIELD COAT REMAINING FRAME AFTER ALL FIELD WELDED CONNECTIONS ARE COMPLETE
 3. ALIGN NEW FRAME COMPONENTS WITH EXISTING FOR CONNECTION.
 4. DO NOT LOAD PUMP PLATFORM UNTIL STRUCTURAL WORK IS COMPLETED, INSPECTED AND APPROVED.
 5. PROVIDE FOR DRAINAGE, ADD STIFFENERS AND OBSTRUCTIONS BY SLOPING TO DRAIN 1/4\"/>

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REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
0	3/15/12	CLS	GJB	SRS	100% SUBMITTAL

DESIGNED BY: BPB
 DRAWN BY: STAFF
 CHECKED BY: EDL
 IN CHARGE: SRS
 DATE: 3/15/12

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REGISTERED PROFESSIONAL ENGINEER
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 Exp. JUN. 2013
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 STATE OF CALIFORNIA

SUBMITTED: _____ APPROVED: _____

SAFCA

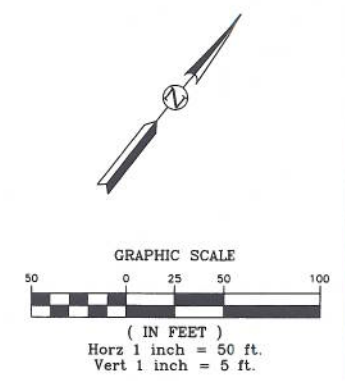
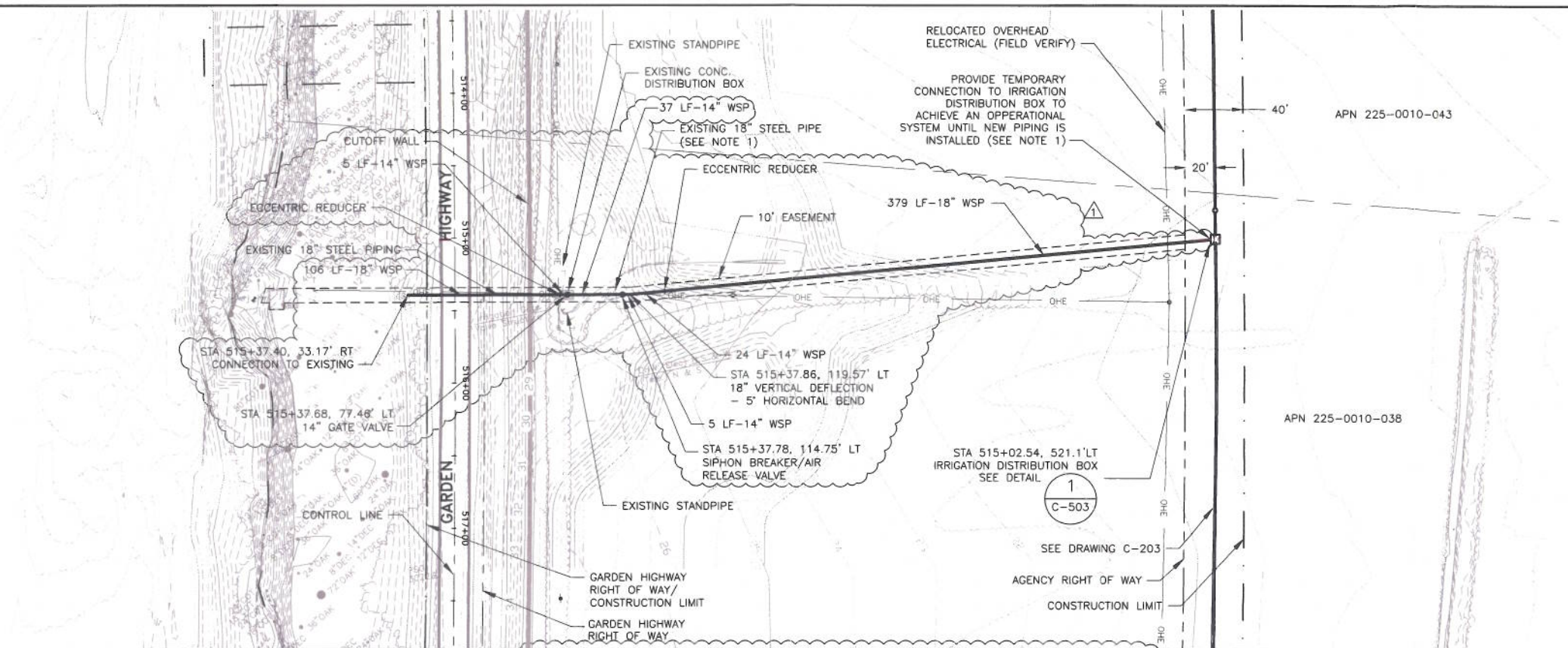
VOL 2: SREL PHASES 1F AND 3C IMPROVEMENT PLANS
 RIVER PUMP REPLACEMENT
 SIDDIQUI DETAILS

VERIFY SCALES
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 ORIGINAL DRAWING.
 ADJUST SCALES FOR
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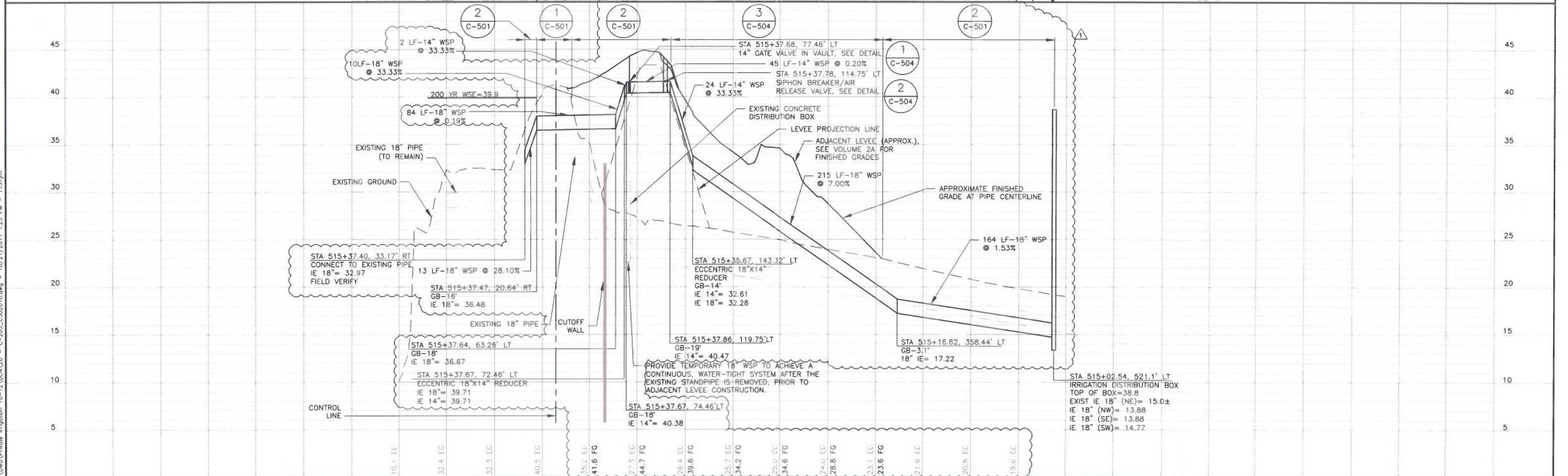
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S-106	21

- NOTES:**
- EXISTING 18" STEEL IRRIGATION LINE FROM PUMP DISCHARGE TO THE NEW IRRIGATION DISTRIBUTION BOX MUST REMAIN IN SERVICE UNTIL NEW 18" STEEL IRRIGATION LINE IS INSTALLED. INSTALLATION OF NEW LINE CANNOT OCCUR UNTIL THE ADJACENT LEVEE HAS SETTLED.
 - PIPE LENGTHS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY PRIOR TO FABRICATIONS.
 - REPAIR INTERIOR AND EXTERIOR COATINGS AT ALL FIELD WELDED PIPE JOINTS. INCLUDE HAND HOLES AS REQUIRED FOR REPAIR OF INTERIOR COATINGS.
 - SITE ACCESS SHALL BE FROM THE EXISTING ACCESS ROADWAY AT APPROXIMATE STA 514+50.
 - SEE VOLUME 2A FOR ADJACENT LEVEE CONSTRUCTION DETAILS. REMOVE AND WASTE INDICATED DISTRIBUTION BOX PRIOR TO ADJACENT LEVEE CONSTRUCTION. PROVIDE TEMPORARY PIPING TO ACHIEVE A CONTINUOUS, WATER-TIGHT SYSTEM WHEN THE EXISTING STANDPIPE IS REMOVED. THE IRRIGATION SYSTEM MUST REMAIN OPERABLE DURING THE LEVEE SETTLEMENT PERIOD.
 - SEE VOLUME 2A FOR DEMOLITION INFORMATION.

SACRAMENTO RIVER



FINAL LOCATION OF RELOCATED PRIVATE IRRIGATION FACILITIES SUBJECT TO FINAL AGENCY RIGHT OF WAY LOCATION



REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	10/21/11	GJK	JFN	SRS	DESIGN CHANGE NOTICE NO. 6
0	3/28/11	TR/GK	TR/GK	SRS	CONFORMED SET

DESIGNED BY: GJK
 DRAWN BY: JUG
 CHECKED BY: AKR
 IN CHARGE: SRS
 DATE: 3/28/11

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 Mead & Hunt, Inc.
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 fax: 916.971.0578
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REGISTERED PROFESSIONAL ENGINEER
 STEPHEN R. SULLIVAN
 50581
 Exp. JUN. 2013
 CIVIL
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TIM BUSCH SUBMITTED
 STEPHEN SULLIVAN APPROVED

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VOL 3A: SREL PHASE 3B IMPROVEMENT PLANS
 PRIVATE IRRIGATION PLAN AND PROFILE
 STA 514+00 TO 517+00

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 DRAWING NO. C-205 SHEET 20

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STATE OF CALIFORNIA
THE RESOURCES AGENCY
CENTRAL VALLEY FLOOD PROTECTION BOARD

RESOLUTION NO. 2012-41

FINDINGS AND DECISION AUTHORIZING ISSUANCE OF
ENCROACHMENT PERMIT NO. 18747
JAVID T. AND AMNA J. SIDDIQUI
IRRIGATION SYSTEM AND APPURTENANCES, SACRAMENTO COUNTY

WHEREAS, The Central Valley Flood Protection Board at the March 27, 2009 Meeting approved Permit No. 18159-7 Sacramento Area Flood Control Agency (SAFCA) Natomas Levee Improvement Program to construct a seepage cutoff wall, construct a seepage berm varying in width, and landside improvements on the landside slope of the existing left (east) bank levee of the Sacramento River; and

WHEREAS, Javid T. and Amna J. Siddiqui, submitted Application 18747 to the Central Valley Flood Protection Board on March 26, 2012, to remove and replace an existing pump with support frames from the channel and waterward berm and remove and replace an existing discharge pipe through the levee and on the landside levee toe; and

WHEREAS, The project location for Application 18747 is located in Sacramento County on the east bank of the Sacramento River on Garden Highway approximately 1.4 miles downstream of the Interstate 5 crossing at River Mile 69.15; and

WHEREAS, SAFCA as lead agency under the California Environmental Quality Act, Public Resources Code sections 21000 et seq. ("CEQA") prepared a Draft Environmental Impact Statement /Draft Environmental Impact Report (DEIS/DEIR) (SCH No. 2009032097, August 2009) and the FEIS/EIR (SCH No. 2009032097, November 2009) on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project, including a Mitigation Monitoring Reporting Plan (MMRP) (incorporated herein by reference and available at the Central Valley Flood Protection Board or SAFCA offices); and

WHEREAS, SAFCA as the lead agency determined that the project would have a significant effect on the environment and adopted Resolution 09-156 dated November 13, 2009 (which includes a Statement of Facts, Findings, and Mitigation Measures, Statement of Overriding Considerations, and Mitigation Monitoring and Reporting Program); and

WHEREAS, on February 21, 2012, Reclamation District 1000 endorsed Application 18747; and

WHEREAS, The U.S. Army Corps of Engineers (USACE) 208.10 comment letter has not been received for this application. Staff anticipates receipt of a letter indicating that the USACE District Engineer has no objection to the project, subject to conditions. Upon receipt of the letter,

staff will review to ensure conformity with the permit language and incorporate it into the Permit; and

WHEREAS, Board staff completed a technical review of Permit Application No. 18747; and

WHEREAS, the Board has conducted a public hearing on Permit Application No. 18747 and has reviewed the Reports of its staff, the documents and correspondence in its file, and the environmental documents prepared by SAFCA.

NOW, THEREFORE, BE IT RESOLVED THAT,

Findings of Fact.

1. The Central Valley Flood Protection Board hereby adopts as findings the facts set forth in the Staff Report.
2. The Board has reviewed all Attachments, Exhibits, Figures, and References listed in the Staff Report.

CEQA Findings.

3. The Central Valley Flood Protection Board, as a responsible agency, has independently reviewed the analyses in the Draft Environmental Impact Statement /Draft Environmental Impact Report (DEIS/DEIR) (SCH No. 2009032097, August 2009) and the FEIS/EIR (SCH No. 2009032097, November 2009) on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project submitted by SAFCA and has reached its own conclusions regarding them.
4. The Central Valley Flood Protection Board, after consideration of the Draft Environmental Impact Statement /Draft Environmental Impact Report (DEIS/DEIR) (SCH No. 2009032097, August 2009) and the FEIS/EIR (SCH No. 2009032097, November 2009) on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project submitted by SAFCA, the MMRP, and SAFCA Lead Agency findings, adopts the project description, analysis and findings which are relevant to activities authorized by issuance of a final encroachment permit consistent with Permit No. 18747.
5. **Findings regarding Significant Impacts.** Pursuant to CEQA Guidelines sections 15096(h) and 15091, the Central Valley Flood Protection Board determines that the SAFCA findings, referenced in the Staff Report, and incorporated herein by reference, summarizes the EIR and determinations regarding impacts of the modifications to the NLIP Phase 4a Landside Improvements Project, before and after mitigation. Having reviewed the EIR and the SAFCA findings, the Board makes its findings as follows:

a. **Findings regarding Significant and Unavoidable Impacts.**

The Central Valley Flood Protection Board finds that the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project, may have the following significant, unavoidable impacts, as more fully described in the FEIS/EIR and the SAFCA findings. Mitigation has been adopted for each of these impacts, although it does not reduce the impact to less than significant. The impacts and mitigation measures are set forth in more detail in the FEIS/EIR and SAFCA findings.

- A. Agricultural Resources - The project would covert farmland from agricultural production to nonagricultural uses resulting in conflicts with lands under Williamson Act contracts;
- B. Land Use - Residents and businesses would experience temporary disruption due to road closures, detours, construction, and boat launch facility temporary closure;
- C. Geology, Soils and Mineral Resources - Economically valuable minerals, if present, could be removed from a portion of the Fisherman's Lake Borrow Area;
- D. Biological Resources - Loss of woodland habitats (short-term [10–15 years] would result until replacement plantings mature) and impacts on Swainson's hawk and other special-status birds;
- E. Cultural Resources - Potential damage or disturbance to known prehistoric resources or previously undiscovered cultural resources, including human remains from ground-disturbance or other construction-related activities;
- F. Transportation - Temporary increase in traffic on local roadways;
- G. Air Quality - The project would result in temporary construction related emissions of reactive organic gases, nitrogen oxides, and particulate matter;
- H. Noise - The project would result in temporary generation of temporary, short-term construction noise, exposure of sensitive receptors to excessive ground-borne vibration and increased traffic noise from construction and hauling activities;
- I. Visual Resources - The project would result in the alteration of scenic vistas, scenic resources, and existing visual character of the project area and new sources of light and glare during construction.

Finding. The Board finds that changes or alterations have been required in, or incorporated into, the project which substantially lessen such impacts, as set forth more fully in the SAFCA findings, but that each of the above impacts remains significant after mitigation. Such mitigation measures are within the responsibility of another agency, SAFCA, and SAFCA can and should implement the described mitigation measures.

Specific economic, legal, social, technological or other considerations, make infeasible mitigation or alternatives that would have reduced these impacts to less than significant.

b. Findings regarding Significant Impacts that can be reduced to Less Than Significant.

The significant impacts and the mitigation measures to reduce them to less than significant are adopted in the SAFCA approved Resolution 09-156 for the Natomas Levee Improvement Program Phase 4a Landside Improvements Project dated November 13, 2009 (which includes a Statement of Facts, Findings, Impacts and Mitigation Measures, Statement of Overriding Considerations and Mitigation Monitoring and Reporting Program). Based on its independent review of the EIR and SAFCA Resolution 09-156, the Board finds that for each of the significant impacts described, changes or alterations have been required in, or incorporated into, the project which avoid or substantially lessen the significant environmental effects as identified in the EIR. Moreover, such changes or alterations are within the responsibility and jurisdiction of another public agency, or SAFCA, and such changes have been adopted by that agency. It is hereby determined that the impacts addressed by these mitigation measures will be mitigated to a less-than-significant level or avoided by incorporation of these mitigation measures into the project.

6. As a responsible agency, the Central Valley Flood Protection Board has responsibility for mitigating or avoiding only the direct or indirect environmental effects of those parts of the Project which it decides to carry out, finance, or approve. The Board confirms that it has reviewed the MMRP, and confirmed that SAFCA has adopted and committed to implementation of the measures identified therein. The Board agrees with the analysis in the MMRP and confirms that there are no feasible mitigation measures within its powers that would substantially lessen or avoid any significant effect the project would have on the environment. None of the mitigation measures in the MMRP require implementation by the Board directly, although continued implementation of the MMRP shall be made a condition of issuance of the Encroachment Permit. However, the measures in the MMRP may be modified to accommodate changed circumstances or new information not triggering the need for subsequent or supplemental analysis under CEQA Guidelines sections 15062 or 15063.
7. **Statement of Overriding Considerations.** Pursuant to CEQA Guidelines sections 15096(h) and 15093, the Board has balanced the economic, social, technological and other benefits of the Project described in application No. 18747, against its significant and unavoidable impacts, listed in paragraph 5(a) above, and finds that the benefits of the Project outweigh these impacts and they may, therefore, be considered “acceptable”.

The Central Valley Flood Protection Board finds that there is an immediate need to protect the people and property at risk in the project area. The Natomas Basin floodplain is occupied by over 83,000 residents and \$10 billion in damageable property. The area is presently vulnerable to flooding in a less than 100-year flood event along the Sacramento River or American River. The Natomas Basin is a deep floodplain and depending on the circumstances, flood depths in the Natomas Basin could reach life-threatening levels. The

disruption in transportation that would result from a major flood would affect the Sacramento International Airport, interstate and state highways, and rail service.

The health and safety benefits of the project, which would significantly reduce the risk of an uncontrolled flood in the Natomas Basin that would result in a catastrophic loss of property and threat to residents of the area, outweigh the remaining unavoidable environmental impacts.

8. **Custodian of Record.** The custodian of the CEQA record for the Board is its Executive Officer, Jay Punia, at the Central Valley Flood Protection Board Offices at 3310 El Camino Avenue, Room 151, Sacramento, California 95821.

Considerations pursuant to Water Code section 8610.5

9. **Evidence Admitted into the Record.** The Board has considered all the evidence presented in this matter, including the original application for Permit No. 18747 and technical documentation provided by SAFCA on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project past and present Staff Reports and attachments, the original Environmental Impact Report on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project (Draft and Final Versions), SAFCA Resolution 09-156 including findings, Statement of Overriding Considerations, the Mitigation Monitoring and Reporting Program.

The custodian of the file is Executive Officer Jay Punia at the Central Valley Flood Protection Board, 3310 El Camino Avenue, Room 151, Sacramento, California 95821.

10. **Best Available Science.** In making its findings, the Board has used the best available science relating to the issues presented by all parties and the design is in compliance with these standards.
11. **Effects on State Plan of Flood Control.** This project has no negative impacts on the State Plan of Flood Control.
12. **Effects of Reasonably Projected Future Events.** There are no foreseeable projected future events that would impact this project.

Other Findings/Conclusions regarding Issuance of the Permit.

13. Based on the foregoing and particularly on the evidence that the condition of the existing Natomas levees poses an unacceptable risk to life and property, the Board finds and concludes that the issuance of Encroachment Permit No. 18747 for the Javid T. and Amna J. Siddiqui Irrigation System and Appurtenances is in the public interest.

14. This resolution shall constitute the written decision of the Central Valley Flood Protection Board in the matter of Permit No. 18747.

Approval of Encroachment Permit No. 18747

15. Based on the foregoing, the Central Valley Flood Protection Board hereby conditionally approves issuance of Encroachment Permit No. 18747 in substantially the form provided as Staff Report Attachment B, subject to receipt of a letter indicating that the USACE District Engineer has no objection to the project, subject to conditions.

16. The Board directs the Executive Officer to take the necessary actions to prepare and execute Encroachment Permit No. 18747 and all related documents and to prepare and file a Notice of Determination under the California Environmental Quality Act for the Javid T. and Amna J. Siddiqui Irrigation System and Appurtenances.

PASSED AND ADOPTED by vote of the Board on _____, 2012

Bill Edgar
President

Jane Dolan
Secretary