

**Meeting of the Central Valley Flood Protection Board
December 2, 2011**

Staff Report

**California Department of Transportation, District 10
Highway 99 at North Fork of South Littlejohn Creek Bridge Widening
(29-0017), San Joaquin County**

1.0 – ITEM

Consider approval of Permit No. 18663 (Attachment B)

2.0 – APPLICANT

California Department of Transportation (Caltrans), District 10

3.0 – LOCATION

The project is along Highway 99 at the North Fork of South Littlejohn's Creek in San Joaquin County. (North fork of South Littlejohn's Creek, San Joaquin County, see Attachment A)

4.0 – DESCRIPTION

Applicant proposes to widen the existing bridge crossing over the North Fork of South Little Johns Creek by 35 ft, 4 in within the median to provide an additional 12 ft lane and 10 ft shoulder in each direction of travel, separated by a concrete barrier (Type 60A Modified). Existing concrete slope protection within the north and south abutments will be removed and replaced within the same footprint (114 CY total) and will include a cut off wall extended to a depth of 6 ft. Along the north abutment, concrete slope protection will placed 74 ft west and 68 ft east of the SR 99 centerline. Along the south abutment, the concrete slope protection limits are 63 ft west and 77 ft east of the SR 99 centerline. Vegetation within the project footprint will be cleared and re-vegetated after construction with native grasses.

5.0 – PROJECT ANALYSIS

The overall design of the proposed project, as described in Section 4.0, is found to be in compliance with California Code of Regulations (CCR), Title 23 standards as described in Sections 5.1 and 5.2 below. The widened structures will increase traffic flow through this reach of the Highway (see Attachment D for Proposed Design).

5.1 – Hydraulic Analysis

The proposed project was analyzed using a one-dimensional hydraulic model with a 100-yr design flow of 965-cfs. The design flows yield a velocity range from 2.98 to 3.91-feet-per-second. There are no adverse hydraulic impacts for the proposed project because there is a 0.00-foot change in WSE and a velocity change of 0.00-feet-per-second (see Attachment C for Hydraulic Summary Table and Profile). Total scour (sum of the contraction and local scour) for both the left and right abutments is estimated at 0.00-feet and 4.67-feet for both Pier 1 and Pier 2. The estimated pier scour is negligible because of the placement of rock-slope-protection as scour mitigation for the piers.

The freeboard for the widened structure is 2.00-feet on the upstream end and 1.85-feet on the downstream end. CCR, Title 23 requires 2-feet of freeboard over the design flood plane for minor stream crossings for new structures. This project does not remove and replace the existing bridge, as it only proposes a median widening. Therefore, the proposed bridge widening is in compliance with Title 23, the bridge's soffit must not be lower than the existing soffits, as outlined in Section 128(a)(10)(B) of Title 23, as shown below.

“When an existing bridge being widened does not meet the clearance requirement above the design flood plane, the bottom structural members of the added section may be no lower than the bottom structural members of the existing bridge, except as may be caused by the extension of existing sloped structural members.”

The proposed project has no adverse hydraulic impacts (as outlined above) and is therefore, in compliance with CCR, Title 23.

5.2 – Geotechnical Analysis

Upon completion of staff review of the design plans, staff is in agreement with the applicant's conclusion that this project does not bear any significant geotechnical impacts on the floodway and all work to be completed will be done in a manner that

does not pose a threat to the structural integrity of the channel, structures, or floodway. All earthwork shall be completed in compliance with Permit No. 18663 (Attachment B) and Title 23 Standards.

5.3 – Additional Staff Analysis

Based upon staff's review of the project, as described by the applicant, no plantings other than that of native grasses shall be planted in place of removed vegetation. This is displayed in Special Condition FOURTEEN of Permit No. 18663. If the applicant wishes to plant anything other than native grasses they must submit a separate application to obtain a separate permit from the Board. The submittal would have to include planting plans, long-term management plans, and show that the hydraulics support any proposed vegetation at full grow-out.

6.0 – AGENCY COMMENTS AND ENDORSEMENTS

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

- A U.S. Army Corps of Engineers comment letter is expected to be received prior to the December 2, 2011 Board meeting and shall be incorporated by reference to Permit No. 18663 as Exhibit A.
- A letter from San Joaquin County Flood Control and Water Conservation District, dated January 12, 2011, contains conditions that have been incorporated by reference to Permit No. 18663 as Exhibit B.

7.0 – CEQA ANALYSIS

Board staff has prepared the following CEQA Findings:

The Board, as a responsible agency under CEQA, has reviewed Draft and Final Initial Study/Mitigated Negative Declaration (IS/MND, SCH Number: 2009112045, November 2009, March 2010) and the Mitigation Monitoring Plan for the State Route 99 Manteca Widening Project prepared by the lead agency, Caltrans. These documents, including project design, may be viewed or downloaded from the Central Valley Flood Protection Board website at <http://www.cvfpb.ca.gov/meetings/2011/12-02-2011.cfm> under a link for this agenda item. These documents are also available for review in hard copy at the Board and the Caltrans District 10 offices.

Caltrans has determined that the project would not have a significant effect on the environment and adopted the IS/MND on March 18, 2010 and subsequently filed a Notice of Determination on March 26, 2010 with the State Clearinghouse. Board staff finds that although the proposed project could have a potentially significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. The project proponent has incorporated mandatory mitigation measures into the project plans to avoid identified impacts or to mitigate such impacts to a point where no significant impacts will occur. These mitigation measures are included in the project proponent's Mitigation Monitoring Plan and address impacts to biological resources, hazards and hazardous materials, and noise. The description of the mitigation measures are further described in the adopted Mitigation Monitoring Plan.

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 work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

This project does not have significant impacts on the State Plan of Flood Control, as the project does not impair the structural or hydraulic functions of the system.

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 projected future events that would impact this project.

9.0 – STAFF RECOMMENDATION

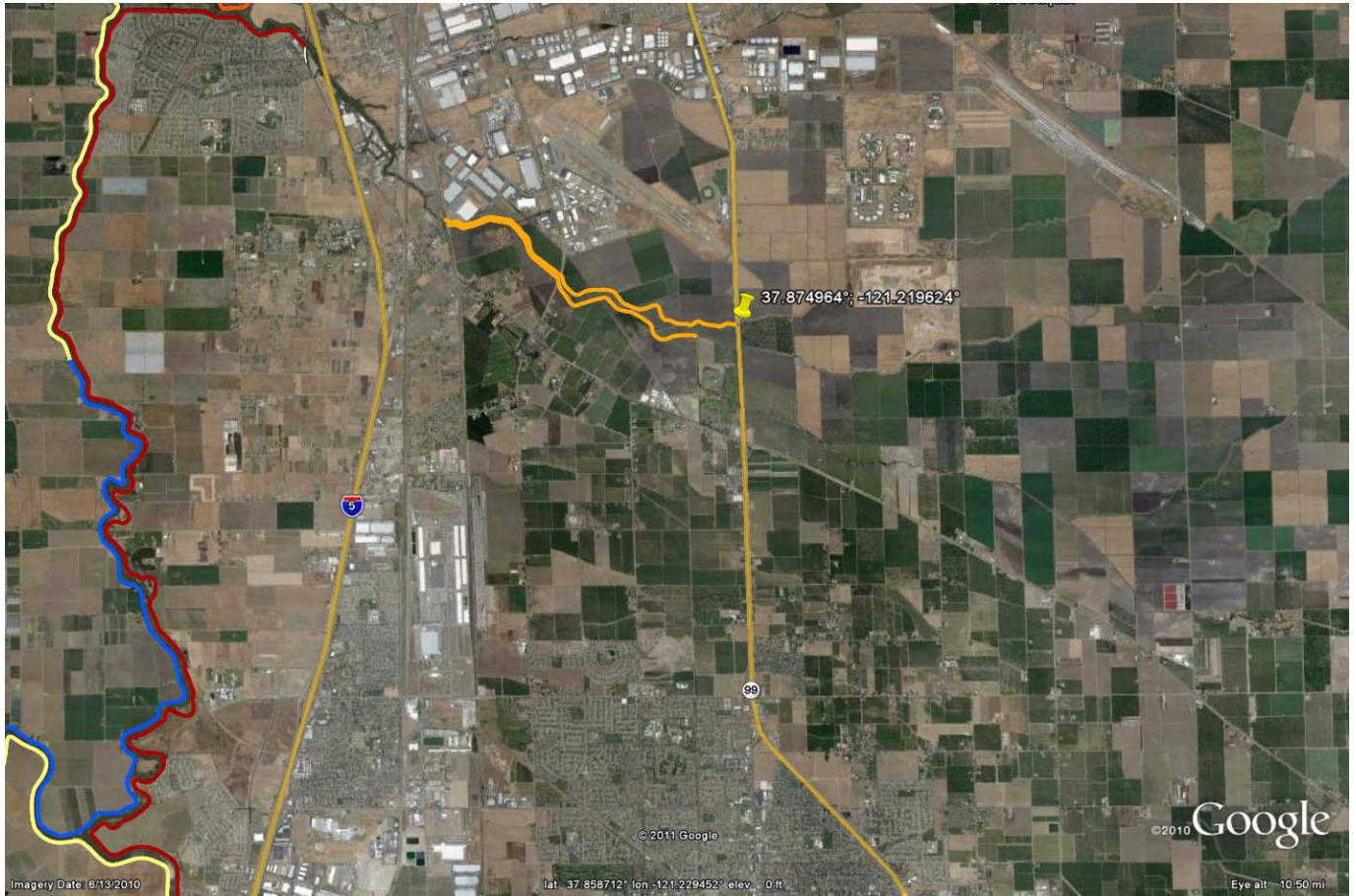
Staff recommends that the Board adopt the Board’s CEQA Findings, approve Permit No. 18663 (Attachment B) upon receipt of a favorable Corps letter, and direct the Executive Officer to take necessary actions to prepare and execute the permit and prepare and file a Notice of Determination with the State Clearinghouse.

10.0 – LIST OF ATTACHMENTS

- A. Location Map
- B. Draft Permit No. 18663
 - Exhibit A: Corps Comment Letter (expected prior to 12-2-11 meeting)
 - Exhibit B: San Joaquin County Water Conservation District Letter (dated 1-12-11)
- C. Hydraulic Summary Table and Profile
- D. Proposed Plans
- E. San Joaquin County Debris Clearance Letter

| | |
|-----------------------|---|
| Design Review: | Nancy C. Moricz, P.E. |
| Environmental Review: | James Herota, E.S. Andrea Mauro, E.S. |
| Document Review: | David R. Williams, P.E. – Senior Engineer, WR Eric R. Butler, P.E. – Supervising Engineer, WR Len Marino, P.E. – Chief Engineer, WR |

Location Maps



DRAFT

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

PERMIT NO. 18663 BD

This Permit is issued to:

California Department of Transportation
2015 East Shields Avenue, Suite 100-A
Fresno, California 93726-5428

To widen the existing bridge crossing over the North Fork South Little Johns Creek by 35 ft, 4 in within the median to provide an additional 12 ft lane and 10 ft shoulder in each direction of travel, separated by a concrete barrier (Type 60A Modified). Existing concrete slope protection within the north and south abutments will be removed and replaced within the same footprint (114 CY total) and will include a cut off wall extended to a depth of 6 ft. Along the north abutment, concrete slope protection will placed 74 ft west and 68 ft east of the SR 99 centerline. Along the south abutment, the concrete slope protection limits are 63 ft west and 77 ft east of the SR 99 centerline. Vegetation within the project footprint will be cleared and re-vegetated after construction with native grasses. North Fork South Littlejohns Creek and SR99 (Section 29, T1S, R7E, W, San Joaquin County Flood Control and Water Conservation District, Littlejohns Creek, San Joaquin 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. 18663 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 approval of the Central Valley Flood Protection Board.

FOURTEEN: There shall be no plantings within the project area under this permit, except that of native grasses, which may be required for slope protection.

FIFTEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities 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

SIXTEEN: 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.

SEVENTEEN: The mitigation measures approved by the CEQA lead agency and the permittee are found in the Final Initial Study/Mitigated Negative Declaration adopted by the CEQA lead agency. The permittee shall implement all such mitigation measures.

EIGHTEEN: The Central Valley Flood Protection Board and Department of Water Resources shall not be held liable for damages to the permitted encroachment(s) resulting from releases of water from reservoirs, flood fight, operation, maintenance, inspection, or emergency repair.

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

TWENTY: The permittee shall maintain the permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

TWENTY-ONE: 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.

TWENTY-TWO: Temporary staging, formwork, stockpiled material, equipment, and temporary buildings shall not remain in the floodway during the flood season from November 1 to April 15.

TWENTY-THREE: Prior to demolition and/or construction activities any and all easements, both temporary and permanent, shall be obtained by the applicant for any areas needed to complete construction that have not already been obtained.

TWENTY-FOUR: Prior to start of any demolition and/or construction activities within the floodway, the applicant shall provide the Central Valley Flood Protection Board with two sets of layout plans for any and all temporary, in channel cofferdam(s), gravel work pad(s), work trestle(s), scaffolding, piles, and/or other appurtenances that are to remain in the floodway during the flood season from November 1 through April 15.

TWENTY-FIVE: Debris that may accumulate on the permitted encroachment(s) and related facilities shall be cleared off and disposed of outside the floodway after each period of high water.

TWENTY-SIX: All debris generated by this project shall be disposed of outside the floodway.

TWENTY-SEVEN: 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 1 to April 15.

TWENTY-EIGHT: Fill material shall be placed only within the area indicated on the approved plans.

TWENTY-NINE: Backfill material for excavations shall be placed in 4- to 6-inch layers and compacted

to at least the density of the adjacent, firm, undisturbed material.

THIRTY: Density tests by a certified materials laboratory will be required to verify compaction of backfill within the regulated channel.

THIRTY-ONE: Revetment shall be uniformly placed and properly transitioned into the bank, levee slope, or adjacent revetment and in a manner which avoids segregation.

THIRTY-TWO: All revetment on the waterside of the levee or river bank shall be quarry stone and shall meet the design and grading requirements, as specified, in Title 23, Section 121.

THIRTY-THREE: The revetment shall not contain any reinforcing steel, floatable, or objectionable material. Asphalt or other petroleum-based products may not be used as fill or erosion protection on the levee section or within the floodway.

THIRTY-FOUR: The soffit of the bridges shall be no lower than that of the existing bridges.

THIRTY-FIVE: The work area shall be restored to the condition that existed prior to start of work.

THIRTY-SIX: The permittee shall provide supervision and inspection services acceptable to the Central Valley Flood Protection Board.

THIRTY-SEVEN: The permittee shall submit as-built drawings to the Department of Water Resources' Flood Project Inspection Section upon completion of the project.

THIRTY-EIGHT: In the event that levee or bank erosion injurious to the adopted plan of flood control occurs at or adjacent to the permitted encroachment(s), 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-NINE: If the project result(s) in an adverse hydraulic impact, the permittee shall provide appropriate mitigation measures, to be approved by the Central Valley Flood Protection Board, prior to implementation of mitigation measures.

FORTY: The permitted encroachment(s) shall not interfere with operation and maintenance of the present or future flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the flood control project 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.

FORTY-ONE: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if 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 damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

FORTY-TWO: 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.

FORTY-THREE: The permittee shall be responsible for securing any necessary permits incidental to habitat manipulation and restoration work completed in the flood control project, and will provide any biological surveying, monitoring, and reporting needed to satisfy those permits.

FORTY-FOUR: The permittee should contact the U.S. Army Corps of Engineers, Sacramento District, Regulatory Branch, 1325 J Street, Sacramento, California 95814, telephone (916) 557-5250, as compliance with Section 10 of the Rivers and Harbors Act and/or Section 404 of the Clean Water Act may be required.

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

FORTY-SIX: The permittee shall comply with all conditions set forth in the San Joaquin County Flood Control and Water Conservation District letter dated January 12, 2011 and the letter dated August 31, 2011 which is attached to this permit as Exhibit B and is incorporated by reference.

FORTY-SEVEN: This permit shall run with the land and all conditions are binding on permittee's successors and assigns.

ATTACHMENT B – Exhibit A: Corps Letter

The letter have not been received by Board staff; however, it is expected to arrive prior to the Board Meeting on December 2, 2011



SAN JOAQUIN COUNTY
**FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

THOMAS R. FLINN
DIRECTOR OF PUBLIC WORKS
FLOOD CONTROL ENGINEER

January 12, 2011

Central Valley Flood Protection Board
3310 El Camino Avenue
Sacramento, California 95821

Attention: Floodway Protection Section

SUBJECT: CENTRAL VALLEY FLOOD PROTECTION BOARD PERMIT APPLICATION OF
CALTRANS AT THE STATE HIGHWAY ROUTE 99 CROSSING OF THE NORTH FORK
OF SOUTH LITTLEJOHNS CREEK

Gentlemen:

Reference is made to the Central Valley Flood Protection Board Permit Application of the California Department of Transportation to widen State Highway Route 99 bridge over the North Fork of South Littlejohns Creek. The existing four-lane bridge will be widened within the median to add two lanes. Eight piles will be placed to support the proposed median. The project is located at the State Highway Route 99 crossing of the North Fork of South Littlejohns Creek, 2.1 miles south of Arch Road, in San Joaquin County, in Section 29, Township 1 South, Range 7 East, Mount Diablo Base and Meridian.

The San Joaquin County Flood Control and Water Conservation District (District) has reviewed the Central Valley Flood Protection Board Permit application of the City of Stockton and endorses the project subject to the following conditions:

1. The District shall not be responsible for the maintenance of the facilities specified in this Permit.
2. The District shall not be held liable for damage(s) to the permitted encroachment(s) due to the District's operation, maintenance, flood fight, inspection, or emergency repairs.
3. The Permittee or the Successors-In-Interest shall be responsible for the modification or possible removal of the facilities, as requested by the District, if required for any future flood control plans at the Permittee's sole cost and expense.
4. The Permittee shall be liable for any damage to the North Fork of South Littlejohns Creek that may occur as a result of this project.
5. The project shall be constructed in accordance with the plans, dated June 11, 2010, submitted with the application, dated October 6, 2010. Any revisions to the project will require the submittal of the revised plans to the District for review and approval.
6. No work shall be allowed in the North Fork of South Littlejohns Creek channel between November 1st and April 15th without prior approval of the District.
7. The Permittee or Successors-In-Interest shall keep the encroachments properly maintained in accordance with applicable current or future local, State and Federal standards.

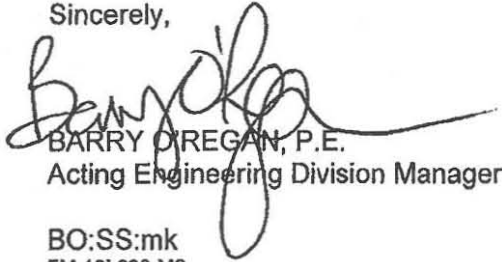
Central Valley Flood Protection Board -2-
NORTH FORK OF SOUTH LITTLEJOHNS CREEK

8. The piles shall be constructed parallel to the direction of flow, and inline with the existing supports.
9. Stockpiled materials, coffer dams, and construction equipment shall be removed from the floodway prior to November 1.
10. The Permittee shall restore the North Fork of South Littlejohns Creek's invert and banks to the condition that existed prior to commencement of work.
11. Upon completion of the project, the Permittee shall submit a hard copy and an electronic copy in AutoCAD and PDF format of the as-built drawings to:

San Joaquin County Flood Control and Water Conservation District
1810 East Hazelton Avenue
Stockton, CA 95205

If there are any questions regarding these comments, please contact me at (209) 953-7617.

Sincerely,



BARRY OREGAN, P.E.
Acting Engineering Division Manager

BO:SS:mk
FM-10L038-M2

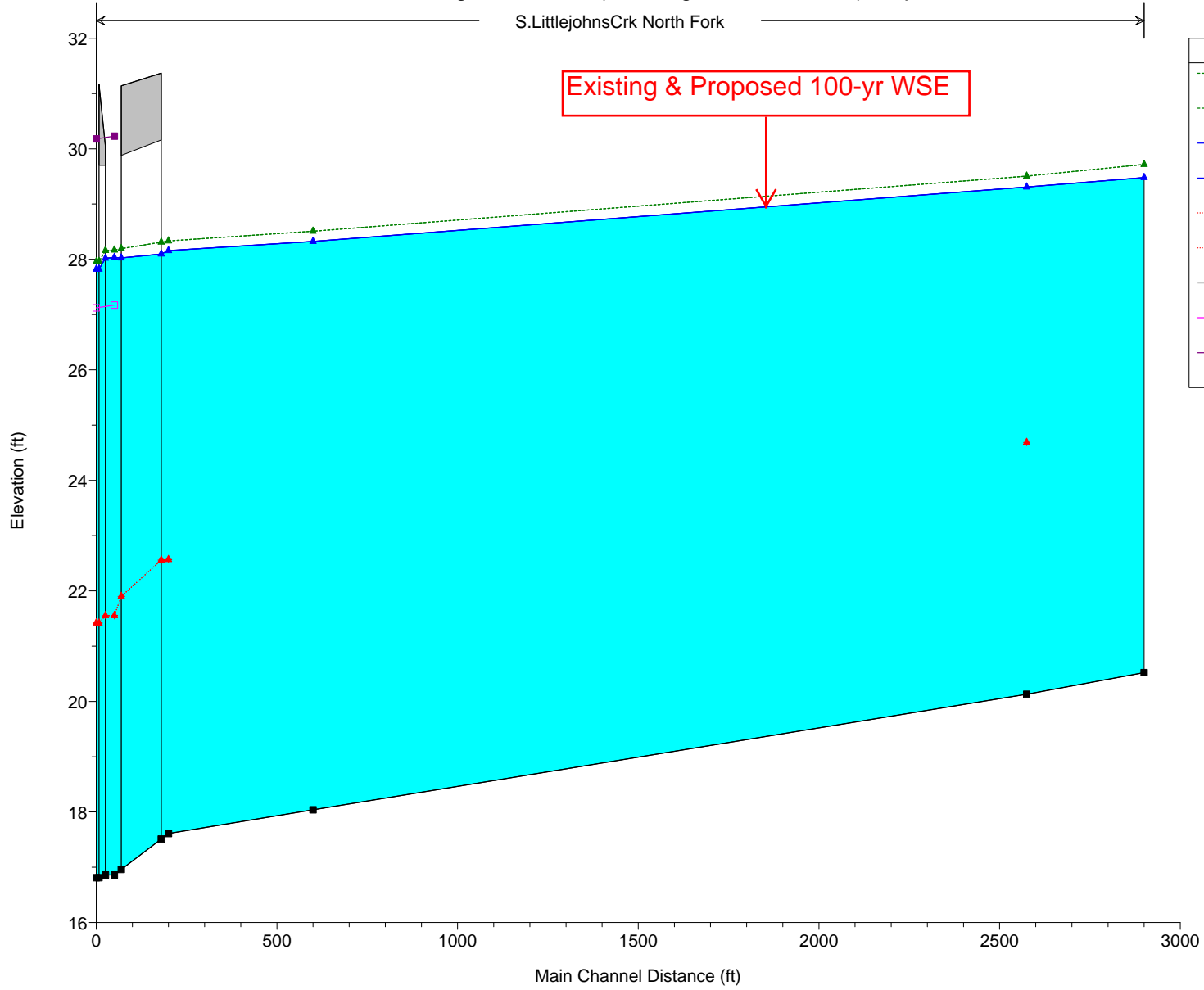
HEC-RAS River: S.LittlejohnsCrk Reach: North Fork Profile: 100Yr

| Reach | River Sta | Profile | Plan | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) | Crit W.S. (ft) | E.G. Elev (ft) | E.G. Slope (ft/ft) | Vel Chnl (ft/s) | Flow Area (sq ft) | Top Width (ft) | Froude # Chl |
|------------|-----------|------------|-----------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|--------------|
| North Fork | 196.0 | 100Yr | Existing | 965.00 | 20.52 | 29.48 | | 29.72 | 0.000675 | 3.91 | 249.13 | 48.73 | 0.29 |
| North Fork | 196.0 | 100Yr | Prop SR99 | 965.00 | 20.52 | 29.48 | | 29.72 | 0.000675 | 3.91 | 249.13 | 48.73 | 0.29 |
| North Fork | 192.75 | 100Yr | Existing | 965.00 | 20.13 | 29.31 | 24.69 | 29.51 | 0.000559 | 3.57 | 270.12 | 45.24 | 0.26 |
| North Fork | 192.75 | 100Yr | Prop SR99 | 965.00 | 20.13 | 29.31 | 24.69 | 29.51 | 0.000559 | 3.57 | 270.12 | 45.24 | 0.26 |
| North Fork | 173.0 | 100Yr | Existing | 965.00 | 18.04 | 28.32 | | 28.51 | 0.000456 | 3.45 | 282.73 | 46.40 | 0.24 |
| North Fork | 173.0 | 100Yr | Prop SR99 | 965.00 | 18.04 | 28.32 | | 28.51 | 0.000456 | 3.45 | 282.73 | 46.40 | 0.24 |
| North Fork | 169.0 | 100Yr | Existing | 965.00 | 17.61 | 28.16 | 22.57 | 28.33 | 0.000396 | 3.38 | 291.21 | 912.93 | 0.22 |
| North Fork | 169.0 | 100Yr | Prop SR99 | 965.00 | 17.61 | 28.16 | 22.57 | 28.33 | 0.000396 | 3.38 | 291.21 | 912.93 | 0.22 |
| North Fork | 168 | Highway 99 | | Bridge | | | | | | | | | |
| North Fork | 167.5 | 100Yr | Existing | 965.00 | 16.86 | 28.03 | 21.55 | 28.17 | 0.000275 | 3.00 | 356.99 | 943.94 | 0.19 |
| North Fork | 167.5 | 100Yr | Prop SR99 | 965.00 | 16.86 | 28.03 | 21.55 | 28.17 | 0.000275 | 3.00 | 356.99 | 943.94 | 0.19 |
| North Fork | 167.48 | | | Bridge | | | | | | | | | |
| North Fork | 167.45 | 100Yr | Existing | 965.00 | 16.81 | 27.82 | 21.42 | 27.95 | 0.000275 | 2.98 | 355.80 | 975.01 | 0.19 |
| North Fork | 167.45 | 100Yr | Prop SR99 | 965.00 | 16.81 | 27.82 | 21.42 | 27.95 | 0.000275 | 2.98 | 355.80 | 975.01 | 0.19 |

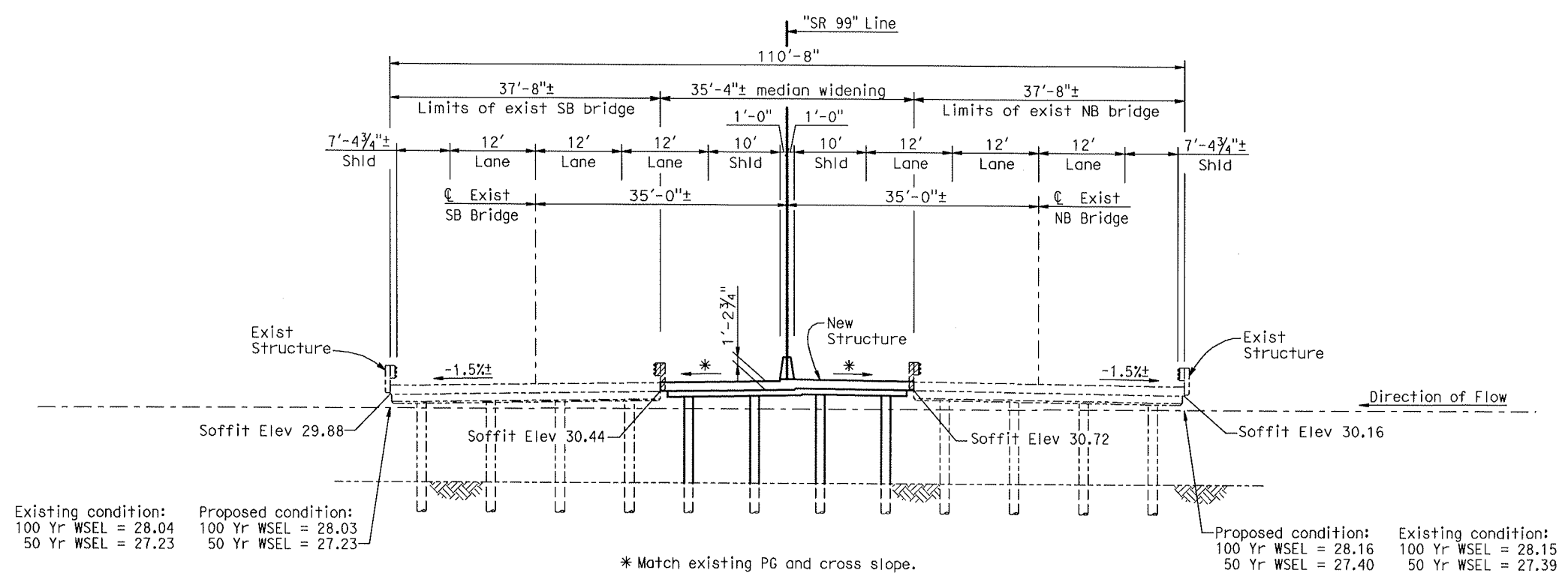
SR-99 Widening

Plan: 1) Existing 9/19/2011 2) Prop SR99 9/19/2011

S.LittlejohnsCrk North Fork



| Legend | |
|------------------------|------------------------|
| EG 100Yr - Existing | ▲ (Green Triangle) |
| EG 100Yr - Prop SR99 | ▲ (Blue Triangle) |
| WS 100Yr - Prop SR99 | — (Solid Blue Line) |
| WS 100Yr - Existing | — (Solid Green Line) |
| Crit 100Yr - Existing | ▲ (Red Triangle) |
| Crit 100Yr - Prop SR99 | ▲ (Red Triangle) |
| Ground | — (Solid Black Line) |
| Left Levee | — (Solid Magenta Line) |
| Right Levee | — (Solid Purple Line) |



TYPICAL SECTION AT NORTH FORK SOUTH LITTLEJOHNS CREEK
1" = 10'



| | | | | | |
|------|--------|-------|--------------------------|----------|--------------|
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No | TOTAL SHEETS |
| 10 | SJ | 99 | 4.9/14.9 | | |

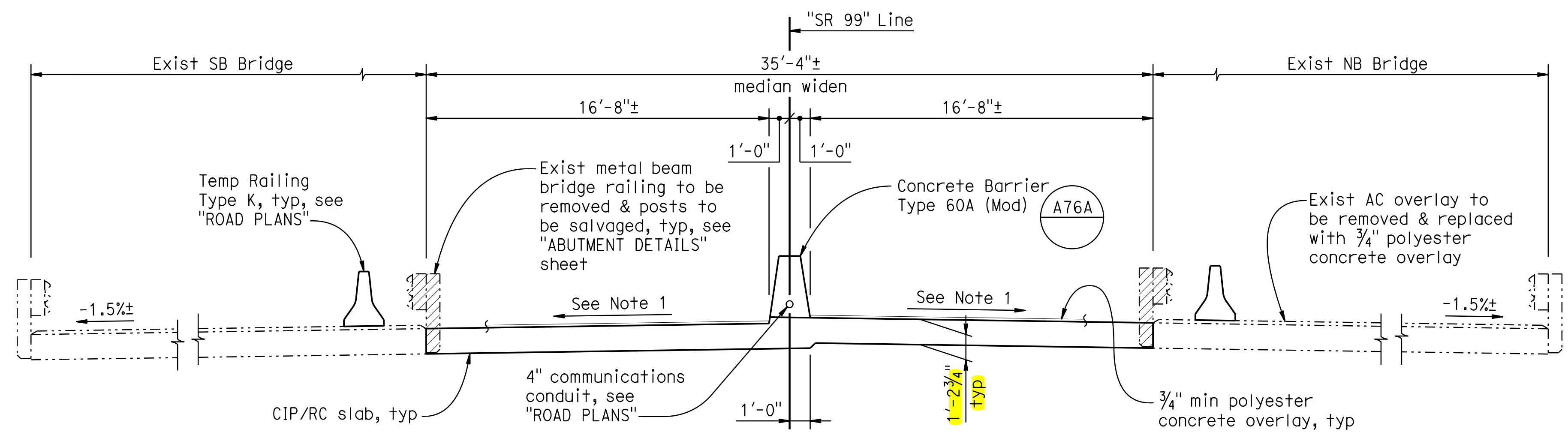
REGISTERED CIVIL ENGINEER
Titus Keng
 No. 45226
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

1-20-11
 DATE

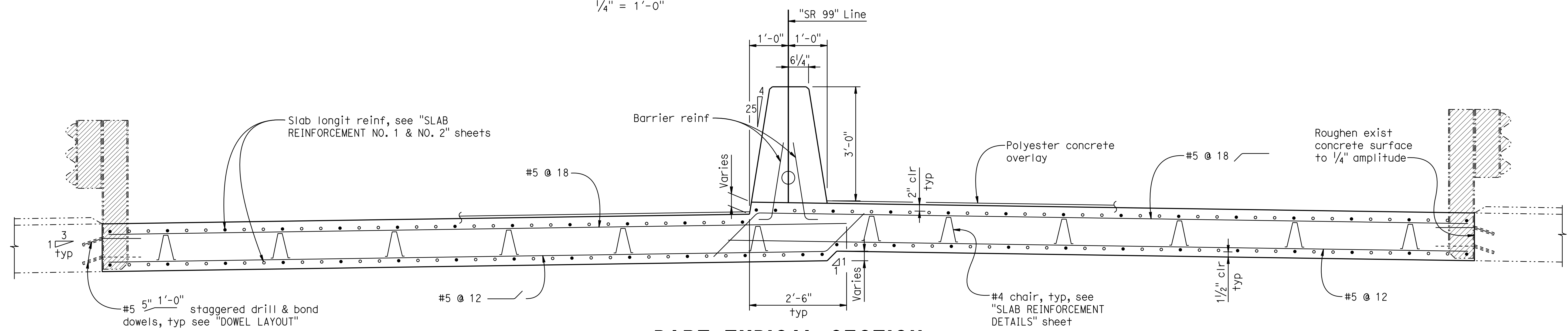
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

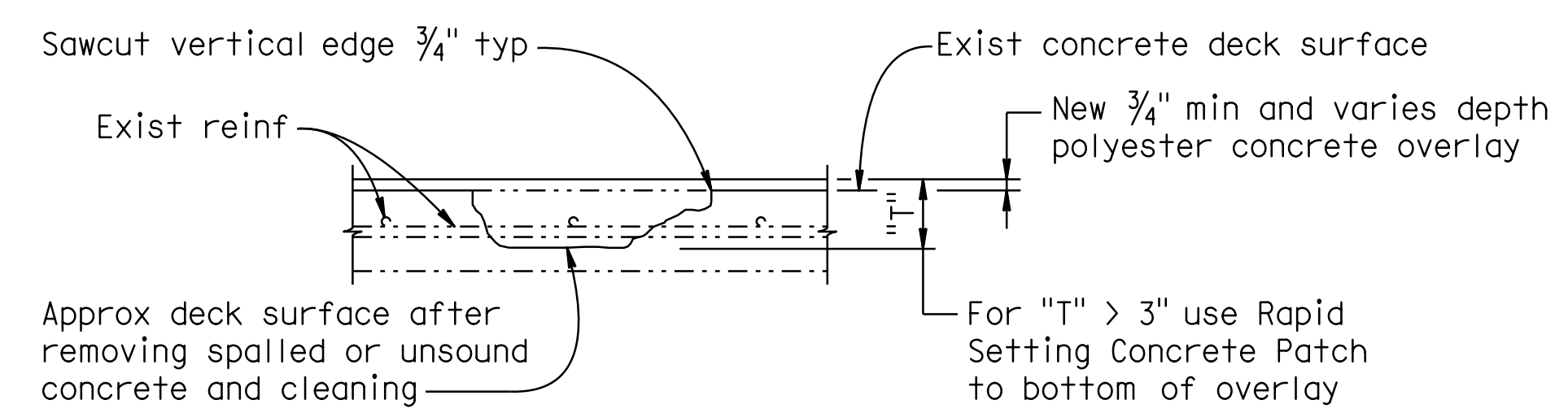
SAN JOAQUIN COUNCIL OF GOVERNMENTS
 555 E. WEBER AVE.
 STOCKTON, CA 95202
 HDR ENGINEERING, INC.
 2365 IRON POINT ROAD, SUITE 300
 FOLSOM, CA 95630



TYPICAL SECTION
 1/4" = 1'-0"



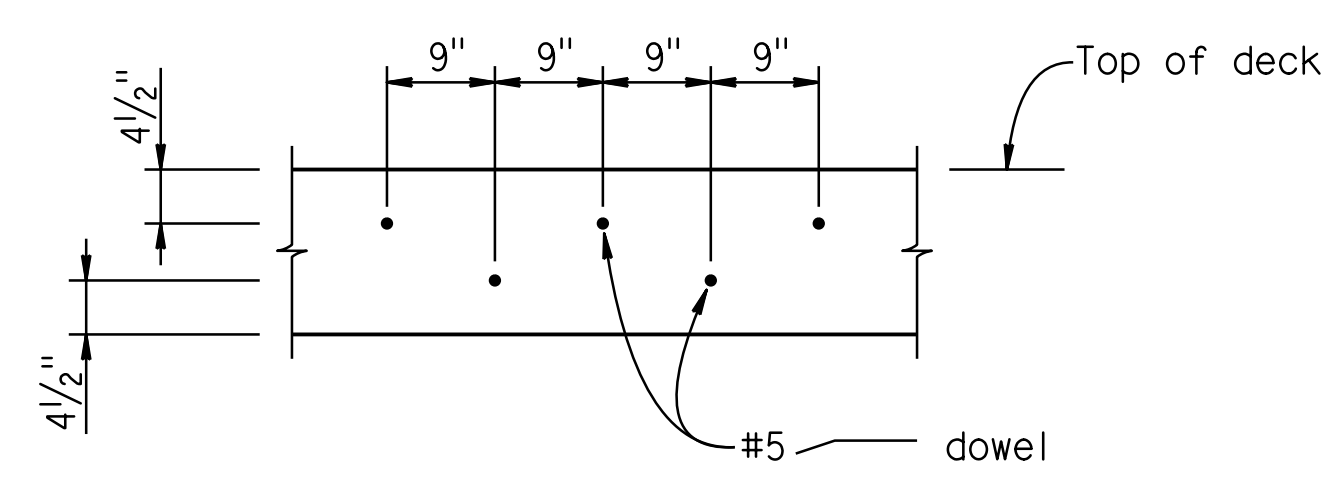
PART TYPICAL SECTION
 3/4" = 1'-0"



DECK OVERLAY DETAIL
 No Scale

Note: Reinforcement may be encountered during deck concrete removal. Location to be determined by Engineer.

| DECK REPAIR TABLE | |
|--|----------------------------|
| Remove unsound concrete and rapid setting concrete (patch) | |
| Approximate area damaged (percent) | Approximate depth (inches) |
| 2 | 3 |



DOWEL LAYOUT
 3/4" = 1'-0"

Notes:

1. Match exist grade and cross slope.
2. For additional information, see "SLAB REINFORCEMENT DETAILS" sheet.

Legend:

- ▨ Indicates limits of bridge removal (portion).
- Indicates existing structure.
- Indicates new structure.
- Indicates continuous bar.
- Indicates partial length bar.

Note:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any materials.

| | | | | | | |
|---|-------------------------|-----------------------|--|--|---|-------------------------|
| DESIGN OVERSIGHT | DESIGN BY: T KENG | CHECKED: J MANISCALCO | PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | BRIDGE NO. 29-0017 | LITTLE JOHN CREEK BRIDGE (WIDEN) TYPICAL SECTION | |
| SIGN OFF DATE | DETAILS BY: J VOUGHT | CHECKED: J MANISCALCO | | PROJECT ENGINEER JOHN A. KLEMUNES, JR. | | POST MILE 12.53 |
| DESIGN DETAIL SHEET (ENGLISH) (REV.7/16/10) | QUANTITIES BY: M KOCHLY | CHECKED: J NAUMAN | | UNIT: PROJECT NUMBER & PHASE: 10000204401 | | CONTRACT NO.: 10-0E6111 |

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

UNIT: 1455
 PROJECT NUMBER & PHASE: 10000204401
 CONTRACT NO.: 10-0E6111


DISREGARD PRINTS BEARING EARLIER REVISION DATES

| REVISION DATES | SHEET | OF |
|----------------|-------|----|
| 3-3-10 | 7 | 15 |

FILE => 29-0017-k-ts01.dgn

ATTACHMENT D - Proposed Plans
 USERNAME: jkumar DATE PLOTTED: 03-FEB-2011 TIME PLOTTED: 12:12


| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 10 | SJ | 99 | 4.9/14.2 | | |

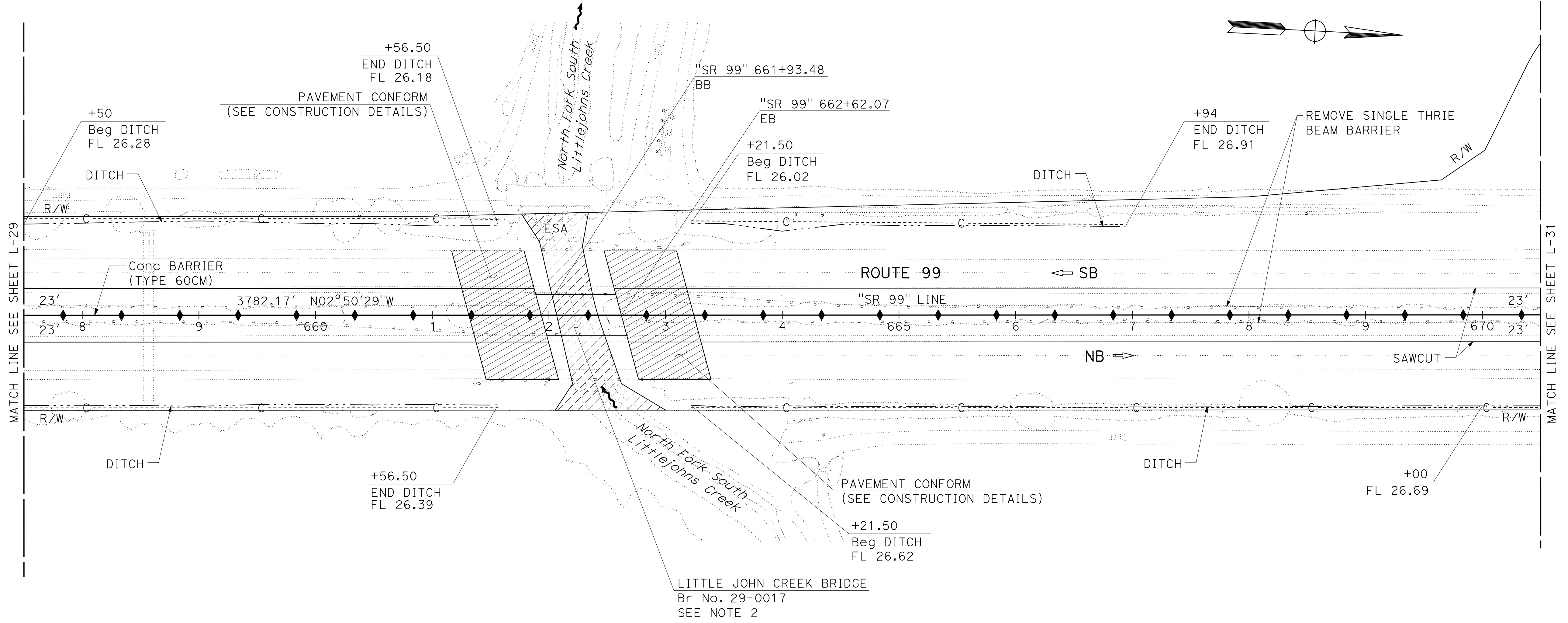
| | |
|--|----------------|
|  REGISTERED CIVIL ENGINEER | 3/7/11 DATE |
| PLANS APPROVAL DATE | |
| <small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small> | |
| HDR ENGINEERING, INC. 2365 IRON POINT ROAD SUITE 300 FOLSOM, CA 95630-8709 | |

| |
|---|
| REGISTERED PROFESSIONAL ENGINEER JOHN A. KLEMUNES No. 60728 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA |
|---|

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR LITTLE JOHN CREEK BRIDGE WIDENING, SEE STRUCTURAL PLANS.

| | | | |
|---|------------------|-------------|------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | DESIGNED BY | REVISOR | DATE |
|  | JAROSLAW J. KUSZ | TRY V. KHOU | |
| CONSULTANT | CHECKED BY | REVISOR | DATE |
| JOHN A. KLEMUNES | | | |
| FUNCTIONAL SUPERVISOR | DESIGNED BY | REVISOR | DATE |
| | | | |



LAYOUT
SCALE: 1"=50'

L-30



| | | | | | |
|---|--------|-------|--------------------------|---------------------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 10 | SJ | 99 | 4.9/14.2 | | |
| John A. Klemunes REGISTERED CIVIL ENGINEER DATE 3/7/11 | | | | PLANS APPROVAL DATE | |
| THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | | |
| HDR ENGINEERING, INC. 2365 IRON POINT ROAD SUITE 300 FOLSOM, CA 95630-8709 | | | | | |

REGISTERED PROFESSIONAL ENGINEER
 JOHN A. KLEMUNES
 No. 60728
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

| STATION | Exc | Emb | TOTAL |
|---------|-------|-----|-------|
| 660+00 | | | |
| 665+00 | 1,639 | 143 | |
| 670+00 | | | |
| TOTAL | | | |



SAN JOAQUIN COUNTY
**FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

THOMAS M. GAU
DIRECTOR OF PUBLIC WORKS
FLOOD CONTROL ENGINEER

August 31, 2011

David R. Williams, R.C.E.
Central Valley Flood Protection Board
Chief Levee Improvement Section
3310 El Camino Avenue, Room 151
Sacramento, California 95821

SUBJECT: SAN JOAQUIN COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT (DISTRICT) ENDORSEMENT FOR ENCROACHMENT APPLICATIONS NO. 18663 AND NO. 18664 FOR THE STATE HIGHWAY ROUTE 99 MANTECA WIDENING PROJECT AT THE SOUTH FORK OF SOUTH LITTLEJOHNS CREEK, AND AT THE NORTH FORK OF SOUTH LITTLEJOHNS CREEK

Dear Mr. Williams:

The District has reviewed the Central Valley Flood Protection Board Encroachment Permit Applications for the State Highway Route 99 Manteca Widening Project at the North Fork of South Littlejohns Creek (Permit No.18663), and the South Fork of South Littlejohns Creek (Permit No. 18664), and is not concerned that the project will encounter any debris problems at either of these crossing locations during a high-flow event. The District endorses these project applications.

If there are any questions or concerns regarding these endorsement statements, please contact us at (209) 953-7617.

Sincerely,



JOHN I. MAGUIRE
Engineering Services Manager

JIM:SS:to
FM-11H075-T1