

**Meeting of the Central Valley Flood Protection Board
February 22, 2013
Staff Report
Pacific Gas and Electric
Final Permit to Authorize Relocation of Utility Poles
in Support of the West Sacramento Flood Control Agency's
California Highway Patrol Academy Early Implementation Project, Yolo County**

1.0 – ITEM

Consider approval of Permit No. 18725 (Attachment B)

2.0 – APPLICANT

Pacific Gas and Electric (PG&E)

3.0 – LOCATION

The project is located in West Sacramento adjacent to the CHP Academy, landward of the landward toe of the right (west) bank levee of the Sacramento River, north of Interstate 80 in Yolo County (see Attachment A for Location Maps).

4.0 – PROJECT DESCRIPTION

PG&E is requesting final authorization via encroachment permit for their recently completed relocation of twenty two power poles in West Sacramento. The relocations were previously authorized by the Chief Engineer to maintain at least ten feet of setback from the levee toe following the West Sacramento Area Flood Control Agency's Levee raising and strengthening project, pursuant to the Work Authorization for Utility Relocations Associated with Permit No. 18313-1 BD.

5.0 – PROJECT ANALYSIS

5.1 – Authority of the Board

- California Code of Regulations, Title 23 (CCR 23), §6 – Need for a Permit; §120 – Levees; §123 – Pipelines, Conduits, and Utility Lines
- The proposed project is located on the landside of a federally constructed project levee, which is maintained by Reclamation District No. 537 (RD 537).

5.2 – Project Background

The pole relocations were authorized by the Chief Engineer in support of the West Sacramento Area Flood Control Agency's (WSAFCA) California Highway Patrol (CHP) Early Implementation Project (EIP) under Permit No. 18313-1, issued on July 12, 2011 (see Exhibit C to Draft Permit No. 18725).

On September 23, 2011 the Board staff authorized WSAFCA to relocate twenty two Pacific Gas and Electric Company (PG&E) utility poles landward of the levee toe within the recently constructed WSAFCA Project. The relocation of the utility poles is a supporting component of the WSAFCA Project.

5.3 – Project Design

Permit No. 18725 will permit the authorized work as described above and as shown in Attachment C – Project Plans. The authorized work consists of relocating twenty two PG&E power poles (which prior to relocation either encroached into the levee prism or were within 10 feet of the new landside levee toe) to a minimum of 10 feet landward of the new landside levee toe. This work complies with CCR 23, §123 and relocated encroachments that would have been out of compliance with current standards had they not been relocated.

5.4 – Hydraulic Analysis

No work within the floodway or waterside of the levee was performed under the previous authorization issued to PG&E (covered under this application). Staff concludes that the work completed under this application has no adverse hydraulic affect on the State Plan of Flood Control and is hydraulically compliant with CCR 23.

5.5 – Geotechnical Analysis

All fill, excavation, and utility pole relocation was completed in compliance with Draft Permit No. 18725 and CCR 23. Staff concludes that the work completed under this application has no adverse geotechnical affects on the State Plan of Flood Control and is geotechnically compliant with CCR 23.

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 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 as Exhibit B.
- RD 537 has endorsed the project as proposed by PG&E with no conditions.

7.0 –CEQA ANALYSIS

Board staff has prepared the following CEQA Findings:

The Board, acting as a responsible agency under CEQA, has independently reviewed the Draft Environmental Impact Statement/Draft Environmental Impact Report (DEIS/DEIR) (SCH No. 2007102130, May 2010) and Final Environmental Impact Statement/Final Environmental Impact Report (FEIS/FEIR, December 2010) for the West Sacramento Levee Improvements Program – CHP Academy prepared and submitted by the lead agency, West Sacramento Area Flood Control Agency. WSAFCA determined that the project would have a significant effect on the environment and adopted Resolution 11-03-01 dated March 10 ,2011(which includes a Statement of Facts, Findings, and Mitigation Measures, Statement of Overriding Considerations, and Mitigation Monitoring and Reporting Program).These documents including project design and WSAFCA resolutions may be viewed or downloaded from the Central Valley Flood Protection Board website at <http://www.cvfpb.ca.gov/meetings/2013/2-22-2013.cfm> under a link for this agenda item. The documents are also available for review in hard copy at the Board and WSAFCA offices.

The Board previously approved construction of the CHP Academy – West Sacramento Levee Improvement Project on May 26, 2011 through Permit No. 18313-1 and Resolution 2011-17 and made appropriate CEQA findings. The Board finds that the proposed relocation of utility poles is within the scope of the previously adopted DEIR and FEIR and therefore constitutes a subsequent activity to the DEIR and FEIR. The Board further finds that no new environmental effects could occur and no new mitigation measures are required pursuant to CEQA Guidelines section 15162. Therefore no new environmental document is required pursuant to CEQA Guidelines section 15163.

The documents and other materials which constitute the record of the 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

- 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.

- 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 CCR 23 have been applied to the review of this permit.

- 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:

This project has no adverse effect on facilities of the State Plan of Flood Control and is consistent with the Central Valley Flood Protection Plan.

- 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 Resolution No. 2013-02, in substantially the form provided, which:

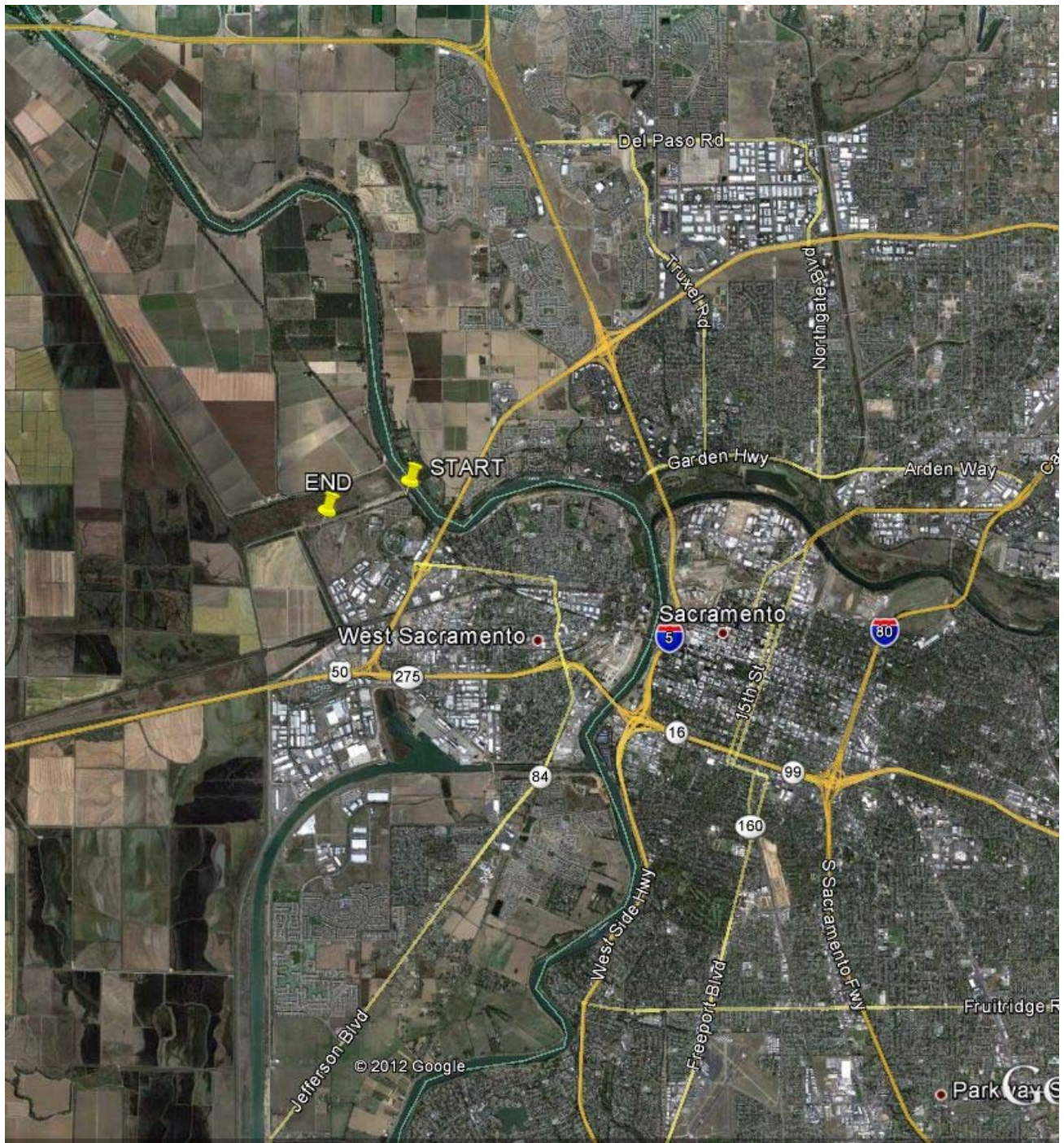
- adopts the CEQA findings;
- approves Permit No. 18725 conditioned upon receipt of a USACE comment letter indicating that the District Engineer has no objections to the project, subject to conditions;
- and direct staff to take the necessary actions to execute the permit; and file a Notice of Determination with the State Clearinghouse.

10.0 – LIST OF ATTACHMENTS

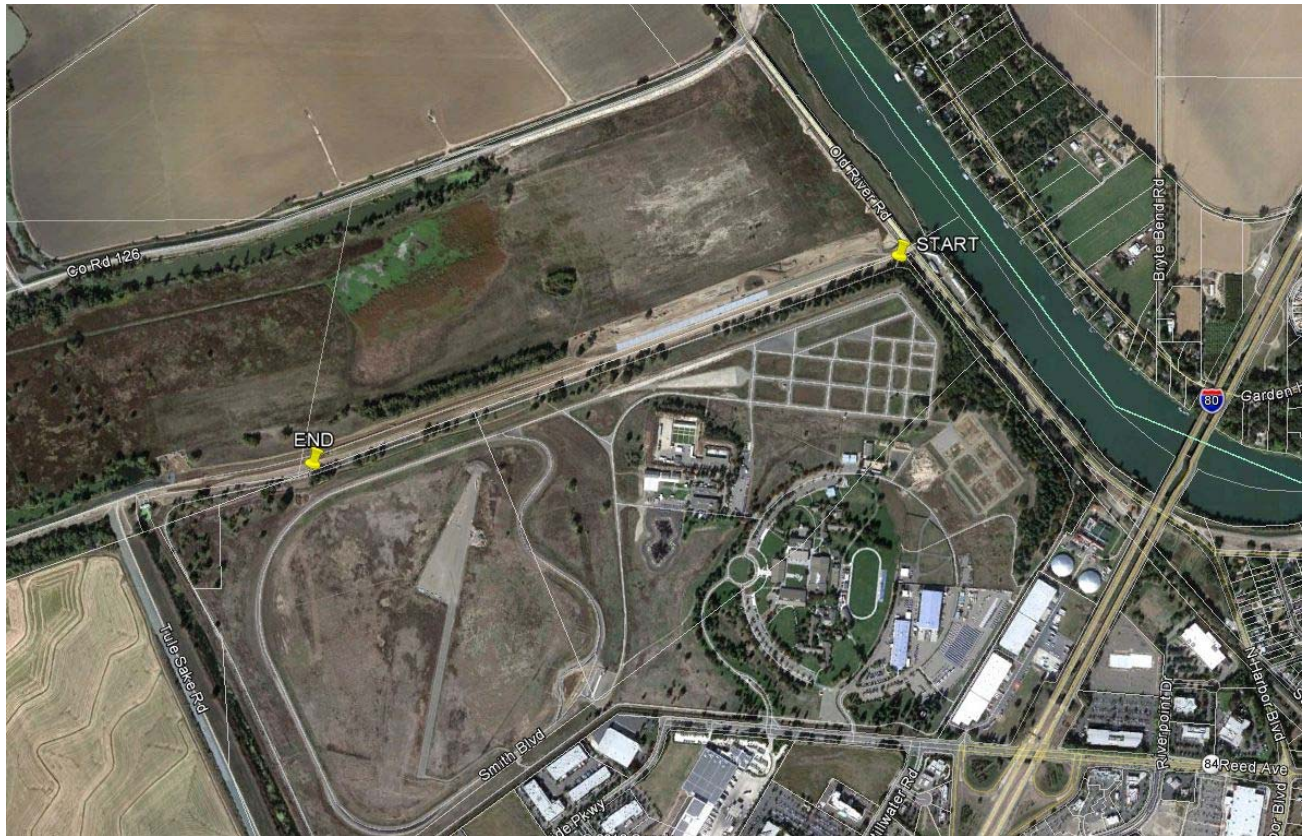
- A. Location Maps
- B. Draft Permit No. 18725
 - Exhibit A: Chief Engineer Authorization Letter to WSAFCA (issued September 23, 2011)
 - Exhibit B: USACE Comment Letter (expected prior to February 22, 2013 Board meeting)
 - Exhibit C: Issued Permit No. 18313-1 BD
- C. Project Plans and Photographs
- D. Resolution No. 2013-02

Reviewed by:	Nancy Moricz, PE
Environmental Review:	James Herota, Environmental Scientist
Document Review:	Eric R. Butler, PE – Projects and Environmental Branch Chief
	Len Marino, PE – Chief Engineer

Project Vicinity



Project Location



DRAFT

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

PERMIT NO. 18725 BD

This Permit is issued to:

Pacific Gas and Electric Company
2730 Gateway Oaks #220
Sacramento, California 95833

To provide final authorization via encroachment permit for their recently completed relocation of twenty two power poles in West Sacramento. The relocations were previously authorized by the Chief Engineer to maintain at least ten feet of setback from the levee toe following the West Sacramento Area Flood Control Agency's Levee raising and strengthening project, pursuant to the Work Authorization for Utility Relocations Associated with Permit No. 18313-1 BD. The project is located in West Sacramento, adjacent to the CHP Academy, north of I-80 (Section 25, T9N, R3E, MDB&M, Reclamation District 537, Sacramento River and Bypass, Yolo 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. 18725 BD

THIRTEEN: All work completed under this permit, as directed by the general and special conditions herein, shall be accomplished to ensure that the work is not injurious to adopted plans of flood control, regulated streams, and designated floodways under Board jurisdiction, as defined in California Code of Regulations, Title 23. This permit only applies to the completion of work in the project description located within, or adjacent to and having bearing on Board jurisdiction, and which directly or indirectly affects the Board's jurisdiction. This special condition shall apply to all subsequent conditions herein.

FOURTEEN: 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 Central Valley Flood Protection Board, the Department of Water Resources, 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. This condition shall supersede condition TEN, above.

FIFTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein and the authorization letter issued to Pacific Gas and Electric on September 23, 2011, which is attached to this permit as Exhibit A and is incorporated by reference. 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.

SIXTEEN: No further work, other than that covered by this application, shall be performed in the project area without prior approval of the Central Valley Flood Protection Board.

SEVENTEEN: 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.

EIGHTEEN: 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.

NINETEEN: The permittee agrees to incur all costs for compliance with local, State, and federal permitting and resolve conflicts between any of the terms and conditions that agencies might impose under the laws and regulations it administers and enforces.

TWENTY: The Central Valley Flood Protection Board and the 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.

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

TWENTY-THREE: 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.

TWENTY-FOUR: Except with respect to the activities expressly allowed under this permit, the work area shall be restored to the condition that existed prior to start of work.

TWENTY-FIVE: The proposed utility poles and guy anchors shall be located a minimum distance of 10 feet from the landward levee toe.

TWENTY-SIX: A minimum clearance of 21 feet shall be provided between the levee crown and the overhead wire crossing. Power cables over 750 volts shall have a minimum clearance of 25 feet.

TWENTY-SEVEN: The void left by the removal of the existing power poles shall be backfilled and compacted to a density equal to that of the adjacent undisturbed material.

TWENTY-EIGHT: 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.

TWENTY-NINE: 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: The permittee shall submit as-built drawings to the Department of Water Resources' Flood Project Inspection Section, located at 3310 El Camino Ave, Room 256, Sacramento, California, 95821, within 90 days of the issuance of this permit.

THIRTY-ONE: 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.

THIRTY-TWO: 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.

THIRTY-THREE: The permittee shall comply with the conditions set forth in the Department of the Army (U.S. Army Corps of Engineers, Sacramento District) letter dated XXXXXXX, which is attached to this permit as Exhibit B and is incorporated by reference.

THIRTY-FOUR: No prior work authorized under this permit shall conflict with any general or special conditions contained in Permit No. 18313-1 BD, issued on July 12, 2011 to the West Sacramento Area Flood Control Agency. Permit No. 18313-1 BD is attached to this permit as Exhibit C and is incorporated by reference.

CENTRAL VALLEY FLOOD PROTECTION BOARD

3310 El Camino Ave., Rm. 151
SACRAMENTO, CA 95821
(916) 574-0609 FAX: (916) 574-0682
PERMITS: (916) 574-2380 FAX: (916) 574-0682

**RECEIVED****SEP 26 2011****PUBLIC WORKS DEPARTMENT**

September 23, 2011

Mr. Michael Bessette, P. E.
Flood Protection Manager
West Sacramento Area Flood Control Agency (WSAFCA)
1110 West Capitol Avenue, 2nd Floor
West Sacramento, California 95671

Subject: Work Authorization for Utility Relocations Associated with Permit No.18313-1 BD, WSAFCA California Highway Patrol (CHP) Academy Early Implementation Project

Dear Mr. Bessette:

The Central Valley Flood Protection Board (CVFPB) staff has reviewed your request to carry out the proposed relocation of the following Pacific Gas and Electric (PG&E) electric power lines (works) as shown in the relocation plans. Completion of these works is necessary before construction of certain portions of the WSAFCA CHP Early Implementation Project can be constructed. The authorized works shall include the following:

Remove 22 existing PG&E power poles and relocate/replace the poles landward of the levee toe, in order to maintain 10-feet of clearance between the relocated/replaced pole alignment and the new project levee toe in order to provide appropriate clearances. The power poles may be used as a joint utility line, with AT&T and others, as long as any other users, not stated above, comply with the conditions set forth in this authorization.

Staff has reviewed the proposed works and has no objection to the modifications and relocation of the PG&E utilities subject to the following conditions:

- All conditions of Permit Number 18313-1 BD shall remain in effect.
- WSAFCA 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 all claims and damages related to the CVFPB's authorization of these works. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.
- The project work area and any damage to the levee system and other flood control structures resulting from these works shall be repaired at WSAFCA's expense and shall be restored to at least the same condition that existed prior to commencement of work.

Mr. Michael Bessette
September 22, 2011
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- The State of California, its officers, agents, and employees shall not be held liable for any damages resulting from the construction of these works.
- All modifications/relocation shall be done in accordance with the submitted plans and drawings, which are attached to this letter. No further work, other than that which is authorized by this letter, shall be done in the area without the prior authorization of the CVFPB.
- The proposed utility poles and guy anchors shall be located a minimum distance of 10 feet from the levee toe.
- A minimum clearance of 21 feet shall be provided between the levee crown and any overhead wire crossing. Power cables over 750 volts shall have a minimum clearance of 25 feet.
- The void left by the removal of the existing power poles shall be backfilled and compacted to a density equal to that of the adjacent undisturbed material.
- Any disturbance of the adjacent levee prism will be repaired to the pre-construction condition and to the satisfaction of the State EIP inspector.
- WSAFCA acknowledges that upon issuance of this authorization, WSAFCA shall ensure that PG&E and any joint utility users submit a separate permit application within thirty (30) days from work completion, for the works stated in this letter.
- This letter of authorization does not exempt WSAFCA from obtaining permits and /or authorizations from any federal, State, or local agencies that may have jurisdiction; or to comply with any requirements of the California Environmental Quality Act (CEQA).
- Any joint utility users, not listed in this authorization, must comply with the conditions set forth in this authorization and in Permit No. 18313-1.
- The Executive Officer of the CVFPB shall reserve the right to revoke this authorization upon consideration of actual field conditions.

Should you have any questions regarding this letter, you can contact CVFPB staff engineer, Ms. Nancy Moricz via email at nmoricz@water.ca.gov, or myself at (916) 574-0608, or via email at lmario@water.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Nancy Moricz for" or similar, written in a cursive style.

Len Marino, PE
Chief Engineer

Attachments: Location, Plans and Drawings (17 Sheets)

Mr. Michael Bessette
September 22, 2011
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cc: (Please see attached list)

cc: Ms. Meegan Nagy, Chief
Flood Protection & Navigation Section
U.S. Army Corps of Engineers
Sacramento District
1325 J Street
Sacramento, California 95814-2922

Mr. Keith Swanson, P.E.
Chief of the Flood Maintenance Office
California Department of Water Resources
3310 El Camino Avenue, Room 112
Sacramento, California 95821

Mr. Lonn Maier
Pacific Gas & Electric Company
2730 Gateway Oaks Dr., Room 220
Sacramento, California 95833

ATTACHMENT B – Exhibit B: Corps Letter

The letter have not been received by Board staff; however, it is expected to arrive prior to the Board Meeting on February 22, 2013

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

PERMIT NO. 18313-1 BD

This Permit is issued to:

West Sacramento Area Flood Control Agency
1420 Merkley Avenue
West Sacramento, California 95691

To strengthen and/or raise approximately 6,200 linear-feet of project levee by constructing approximately 4,400 linear-feet of 25 to 70-foot-deep by 3-foot-wide slurry cutoff wall; flatten the landside and waterside levee slopes to 2.75:1 (H:V) and 3:1 (H:V), respectively, by shifting the levee prism 10 to 20 feet landward; place concrete, rip-rap, or seeded slope protection, and install 8 piezometers along the left (south) bank levee of the Sacramento Bypass. The project is located in West Sacramento, adjacent to the CHP Academy, north of I-80 (Section 29&30, T9N, R4E, MDB&M, Maintenance Area 4, Sacramento Bypass, Yolo 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: **JUL 12 2011**



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

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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. 18313-1 BD

THIRTEEN: Within three years from completion of the construction of the work authorized under this permit, the permittee shall provide the Sacramento and San Joaquin Drainage District, acting by and through the Central Valley Flood Protection Board of the State of California, a permanent easement and/or a joint use agreement granting all flood control rights upon, over and across the property that is or will be occupied by the existing or to-be-constructed levee including the area of the cutoff wall and levee raise and realignment fill areas. The easement must include the following: 1) the levee section; 2) an area ten (10) feet in width from the waterside levee toe; the area ten (10) feet in width adjacent to the existing and new landward levee toes, if the areas are not presently encumbered by a Central Valley Flood Protection Board easement. For information regarding existing Central Valley Flood Protection Board Easements, please contact Angelica Aguilar at (916) 653-5782.

FOURTEEN: No construction work within the easement or rights of way, both existing and to be provided under this permit, of flood control features, including levees and seepage berms shall be done during the flood season from November 1 to April 15 without prior approval of the Central Valley Flood Protection Board.

FIFTEEN: All work approved by this permit shall be in accordance with the (100%) 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.

SIXTEEN: All addendums or other changes made to the submitted drawings or specifications by the permittee after issuance of this permit are subject to submittal and review for approval by the Central Valley Flood Protection Board prior to incorporation into the permitted project. Upon review and approval of any new submitted drawings or specifications the permit shall be revised, if needed, prior

to construction related to the proposed changes. The Central Valley Flood Protection Board shall have up to 90 days after receipt of any documents, plans, drawings, and specifications for the review process. The Central Valley Flood Protection Board and/or the Department of Water Resources may extend this review period by written notification.

SEVENTEEN: There shall be no plantings within the project area under this permit, except that of native grasses, which may be required for slope protection. The permittee shall be required to apply for a separate or modified permit for any proposed plantings within the floodway.

EIGHTEEN: 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.

NINETEEN: 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.

TWENTY: The mitigation measures approved by the CEQA lead agency and the permittee are found in its Mitigation and Monitoring Reporting Program (MMRP) adopted by the CEQA lead agency. The permittee shall implement all such mitigation measures.

TWENTY-ONE: 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-TWO: All proposed recreational features and asphalt pavement on the finished levee and the recreational / pedestrian ramps and roads will be maintained in total by the City of West Sacramento.

TWENTY-THREE: The permittee shall provide construction supervision and inspection services acceptable to the Central Valley Flood Protection Board.

TWENTY-FOUR: The permittee shall contact the U.S. Army Corps of Engineers regarding inspection of the project during construction as the proposed work is an alteration to the existing Federal Flood Control Project that will be incorporated into the Sacramento River Flood Control Project, an adopted plan of flood control.

TWENTY-FIVE: Prior to commencement of excavation, the permittee shall create a photo record, including associated descriptions, of the levee conditions. The photo record shall be certified (signed and stamped) by a licensed land surveyor or professional engineer, registered in the State of California, and submitted to the Central Valley Flood Protection Board within 30 days of beginning the

project.

TWENTY-SIX: If FEMA certification of the levee by the Corps of Engineers is being considered, the project proponent should contact the U. S. Army Corps of Engineers regarding inspection of this project during construction for FEMA certification purposes.

TWENTY-SEVEN: The stability of the levee shall be maintained at all times during construction.

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

THIRTY: The permittee shall cooperate with the Central Valley Flood Protection Board to ensure that any encroachment that must be relocated, modified or otherwise altered to accommodate construction of the improvements permitted herein are relocated, modified or otherwise altered in a manner that complies with current applicable state and federal standards. If the affected encroachment has an existing Board permit or is subject to some other applicable Board authorization, the permittee shall cooperate with the Board to ensure the permit or other authorization is appropriately amended to reflect the changed condition as shown on as-built drawings for the encroachment and the overall project. If the encroachment does not have a Board permit or other Board authorization, the permittee shall cooperate with the Board to determine whether a Board permit is required. If so, permittee shall cooperate with the Board to ensure that required permit application is made and, if granted, the permit reflects the changed condition as shown on as-built drawings for the encroachment and the overall project.

THIRTY-ONE: During demolition of the project, any and all anticipated or unanticipated conditions encountered which may impact levee integrity or flood control shall be brought to the attention of the Flood Project Inspector immediately and prior to continuation. Any encountered abandoned encroachments shall be completely removed or properly abandoned under the direction of the Department of Water Resources Inspector and the Early Implementation Project (EIP) Construction Supervisor.

THIRTY-TWO: The permittee shall be responsible for all damages due to settlement, consolidation, or heave from any construction-induced activities.

THIRTY-THREE: A profile of the levee crown roadway and access ramp that will be utilized for access to and from the borrow area shall be submitted to the Central Valley Flood Protection Board prior to commencement of construction.

THIRTY-FOUR: The haul ramps and utilized levee crown roadway shall be maintained in a manner prescribed by the authorized representative of the Department of Water Resources, or any other agency responsible for maintenance.

THIRTY-FIVE: Any damage to the levee section, crown, roadway, or access ramps that will be utilized for access for this project shall be promptly repaired to the condition that existed prior to this

project.

THIRTY-SIX: Excavations below the design flood plane and within the levee section or within fifty (50) feet of the projected waterward and landward levee slopes, excluding the cutoff wall trench, shall have side slopes no steeper than 1 horizontal to 1 vertical. Flatter slopes may be required to ensure stability of the excavation.

THIRTY-SEVEN: Fluid pressures and flow rates shall be carefully monitored and controlled to minimize the potential for hydrofracturing.

THIRTY-EIGHT: Excess bentonite or other cutoff wall fluids shall be properly disposed of outside of the floodway. The bentonite or other cutoff wall fluids shall not be used as backfill material for levee reconstruction.

THIRTY-NINE: Fill on the levee slope shall be keyed into the existing levee section with each lift.

FORTY: Fill material shall be placed only within the area indicated on the approved plans.

FORTY-ONE: All fill material shall be impervious material with a minimum of 30 percent or more passing the No. 200 sieve, a plasticity index of 8 to 30, and a liquid limit of less than 55 and free of lumps or stones exceeding 3 inches in greatest dimension, vegetative matter, or other unsatisfactory material.

FORTY-TWO: Density tests by a certified soils laboratory will be required to verify compaction of backfill within the floodway and within 10 feet of the levee toes.

FORTY-THREE: The fill surface area shall be graded to direct drainage away from the toe of the levee.

FORTY-FOUR: Backfill material for excavations within the, existing and to be constructed, levee section and within ten (10) feet of the levee toes shall be placed in 4- to 6-inch layers, moisture conditioned above optimum moisture content, and compacted to a minimum of 95 percent relative compaction as measured by ASTM Method D698.

FORTY-FIVE: The slopes of the proposed levee shall be no steeper than 3 horizontal to 1 vertical on the water side and 2 horizontal to 1 vertical on the land side.

FORTY-SIX: Any pipe or conduit being reinstalled in the levee section and within fifty (50) feet of both the waterward and landward levee toes shall meet Title 23 standards.

FORTY-SEVEN: Where appropriate the new and reconstructed levee crown roadway and access ramps shall be surfaced with a minimum of 4 inches of compacted, Class 2, aggregate base (Caltrans Specification 26-1.02A).

FORTY-EIGHT: Aggregate base material shall be compacted to a relative compaction of not less than 95 percent per ASTM Method D1557-91, with a moisture content sufficient to obtain the required compaction.

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

FIFTY: 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.

FIFTY-ONE: 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.

FIFTY-TWO: In the event existing revetment on the channel bank or levee slope is disturbed or displaced, it shall be restored to its original condition upon completion of the proposed installation.

FIFTY-THREE: The permittee shall replant or reseed the levee slopes to restore sod, grass, or other non-woody ground covers if damaged during project work.

FIFTY-FOUR: All fencing, gates and signs removed during construction of this project shall be replaced in kind and at the original locations. If it is necessary to relocate any fence, gate or sign, the permittee is required to obtain written approval from the Central Valley Flood Protection Board prior to installation at a new location.

FIFTY-FIVE: All temporary fencing, gates and signs shall be removed upon completion of the project.

FIFTY-SIX: All debris generated by this project shall be disposed of outside the floodway and off the levee section.

FIFTY-SEVEN: 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 with the exception of habitat debris, which may remain.

FIFTY-EIGHT: 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.

FIFTY-NINE: In the event that permitted improvements cause levee or bank erosion injurious to the adopted plan of flood control to occur 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.

SIXTY: Any vegetative material, living or dead, that interferes with the successful execution, functioning, maintenance, or operation of the adopted plan of flood control must be removed by the permittee at permittee's expense upon request by the Central Valley Flood Protection Board or Department of Water Resources. If the permittee does not remove such vegetation or trees upon request, the Central Valley Flood Protection Board reserves the right to remove such at the permittee's expense.

SIXTY-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.

SIXTY-TWO: The permitted encroachment(s) shall not interfere with operation and maintenance of the current 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.

SIXTY-THREE: The permittee acknowledges that some portions of the levee improvements may be overbuilt to account for settlement and that upon adoption of the updated Central Valley Flood Protection Plan, the permittee shall perform a levee crown profile survey of all levee crown covered by this permit and said profile shall be compared to the levee crown profile adopted in the updated Central Valley Flood Protection Plan. The permittee shall ensure that the levee crown does not exceed the updated Central Valley Flood Protection Plan profile.

SIXTY-FOUR: According to the permittee, the improvements herein permitted will control flood flows from a storm with a probability of occurrence of 0.005 in any year (200-year protection). Permittee's design assumed that non-urban existing levees upstream of Natomas will not be raised above the current design for the Sacramento River Flood Control Project as shown on the 1957 profile. Permittee's design flow therefore, reflects upstream flood water losses from levee overtopping where the water surface elevation for the permittee's design storm exceeds the top of levee elevation shown on the 1957 profile. Permittee acknowledges that a Central Valley Flood Protection Plan will be developed, adopted, and regularly updated by the State and the plan and subsequent updates could include improvements that would change the flow and water level associated with permittee's design storm, possibly reducing the level of protection provided by the permitted improvements. Permittee agrees to participate in future modifications to the West Sacramento levees as may be required by the Central Valley Flood Protection Plan and its subsequent updates. Permittee's level of participation shall be equivalent to the level required of other local jurisdictions by the plan. Permittee further agrees that should the Plan include measures that reduce the level of protection provided by the permitted improvements, permittee shall have no basis for a claim of hydraulic impacts.

SIXTY-FIVE: Upon completion of the project, the permittee shall perform a levee crown profile survey and create a photo record, including associated descriptions, of "as-built" levee conditions. The levee crown profile survey and photo record shall be certified (signed and stamped) by a licensed land surveyor or professional engineer, registered in the State of California, and submitted to the Central Valley Flood Protection Board within 120 days of project completion.

SIXTY-SIX: Within 120 days of completion of the project, the permittee shall submit to the Central Valley Flood Protection Board a certification report, stamped and signed by a professional civil engineer registered in the State of California, certifying the work was performed and inspected in accordance with the Central Valley Flood Protection Board permit conditions and submitted drawings and specifications.

SIXTY-SEVEN: Within 120 days of completion of the project, the permittee shall submit to the Central

Valley Flood Protection Board proposed revision to the U.S. Army Corps of Engineers, Supplement to Standard Operation and Maintenance Manual, West Sacramento River Flood Control Project, and the associated "as-built" drawings for system alterations that are to be incorporated into the federal West Sacramento River Flood Control Project.

SIXTY-EIGHT: The permittee is responsible for all liability associated with damage to the permitted facilities resulting from flood fight, operation, maintenance, inspection or emergency repair and shall defend, indemnify, and hold the Central Valley Flood Protection Board, the Department of Water Resources, the State of California, and Maintenance Area 4, including their agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "agencies"), 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 agencies expressly reserve the right to supplement or take over their defense, in their sole discretion.

SIXTY-NINE: This permit is not valid until the Central Valley Flood Protection Board has received 33 U.S.C. Section 408 approval and letter of permission from the U.S. Army Corps of Engineers (Corps). The permittee shall comply with all conditions set forth in the letter of permission from the Corps, when it is received, which shall be attached to this permit as Exhibit A and incorporated by reference.

SEVENTY: The permittee shall comply with all conditions set forth in the comments from Maintenance Area-4 dated May 10, 2011, which is attached to this permit as Exhibit B and is incorporated by reference.

SEVENTY-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. The applicant is also required to contact the Early Implementation Project (EIP) Construction Supervisor by telephone, (916) 574-2646 to initiate inspection of the work.

SEVENTY-TWO: 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.

SEVENTY-THREE: If the permittee or successor does not comply with the conditions of the permit and an enforcement by the Central Valley Flood Protection Board is required, the permittee or successor shall be responsible for bearing all costs associated with the enforcement action, including reasonable attorney's fees.

SEVENTY-FOUR: 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.

SEVENTY-FIVE: Any additional encroachment(s) in the floodway, on or in the levee section, and within ten (10) feet of the landside levee toe and berm toes, require an approved permit from the Central Valley Flood Protection Board and shall be in compliance with the Central Valley Flood Protection Board's regulations (Title 23 California Code of Regulations).

SEVENTY-SIX: By acceptance of this permit, the permittee (West Sacramento Area Flood Control Agency) acknowledges the authority of the Central Valley Flood Protection Board to regulate all future encroachments along this levee reach, including those that may encroach upon alterations approved by this permit to incorporation into the federal West Sacramento River Flood Control Project by the U.S. Army Corps of Engineers.

SEVENTY-SEVEN: The applicant must adopt a resolution within 18 months from the date of issuance of this permit, that complies with Board Resolution No. 11-15, regarding the Board's Joint Powers Agreement (JPA) Policy, and the resolution must be to the satisfaction of the Board.

SEVENTY-EIGHT: Prior to construction, the applicant, West Sacramento Area Flood Control Agency (WSAFCA), shall have obtained legal possession of all property where work to be performed under this permit is located.

SEVENTY-NINE: Survey markers are to be installed to delineate easement boundaries and a GIS shapefile of the boundaries is to be provided to DWR within 120 days from construction completion.

EIGHTY: A copy of this permit shall be included as an attachment to any Long-Term Management Plan for the permitted project area.

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



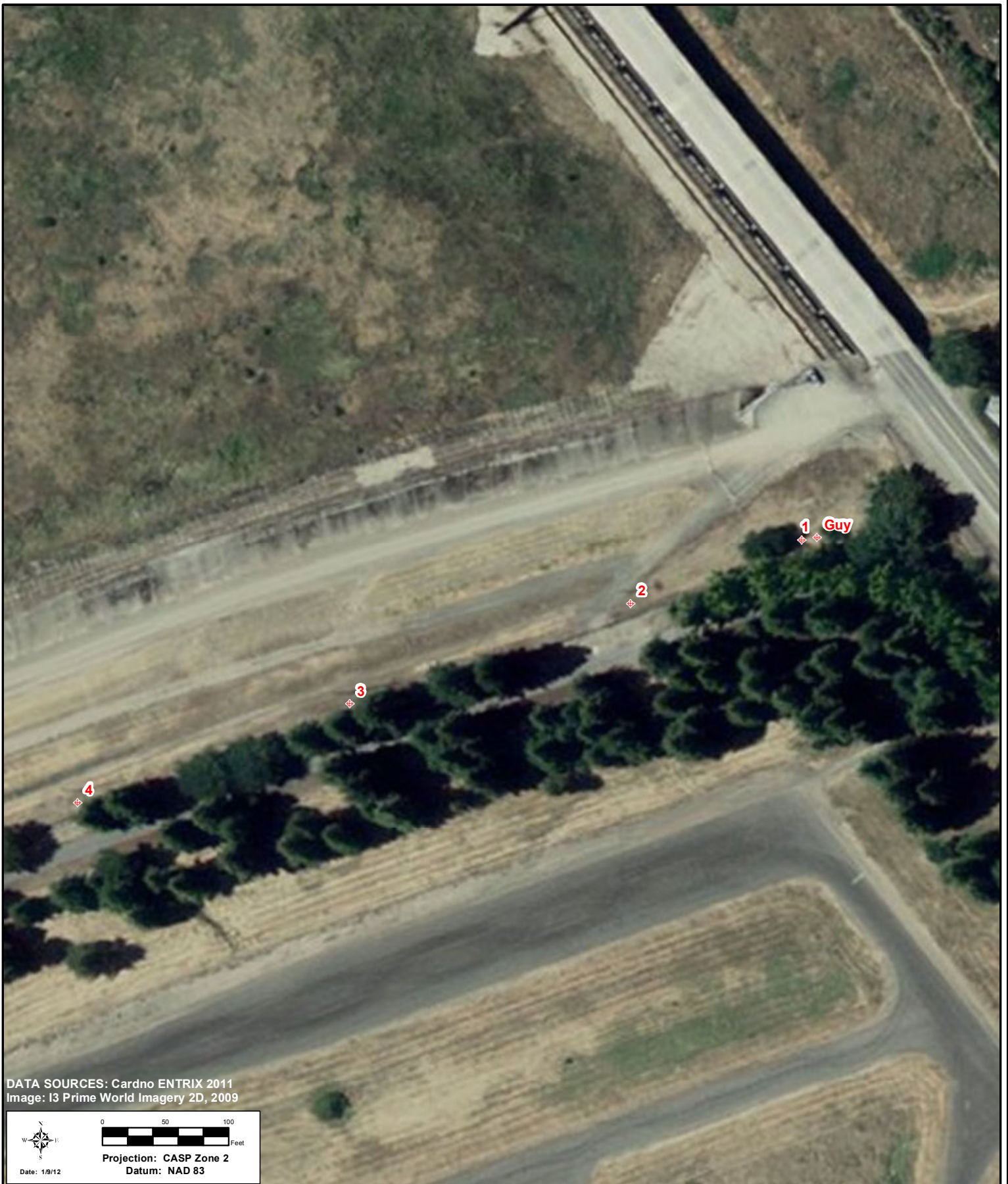
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PG&E Pole Replacement
CHP Academy

Overview Map
Sheet 1 of 8

GPS Data 6 January 2012



DATA SOURCES: Cardno ENTRIX 2011
Image: I3 Prime World Imagery 2D, 2009



Date: 1/9/12



Projection: CASP Zone 2
Datum: NAD 83



GPS Point



PG&E Pole Replacement
CHP Academy

Sheet 2 of 8

GPS Data 6 January 2012



DATA SOURCES: Cardno ENTRIX 2011
Image: I3 Prime World Imagery 2D, 2009



Date: 1/9/12



Projection: CASP Zone 2
Datum: NAD 83



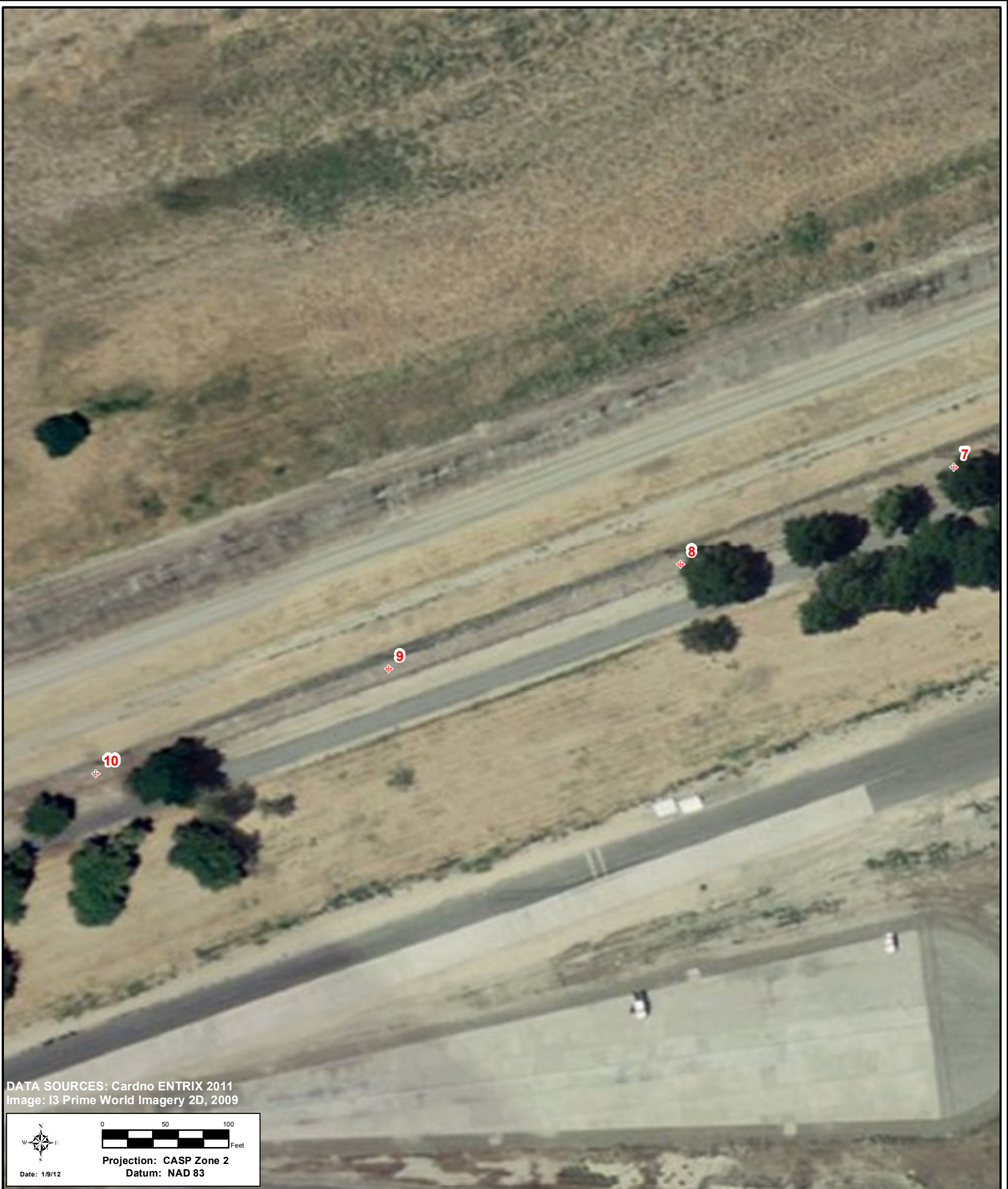
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PG&E Pole Replacement
CHP Academy

Sheet 3 of 8

GPS Data 6 January 2012



DATA SOURCES: Cardno ENTRIX 2011
Image: I3 Prime World Imagery 2D, 2009



Date: 1/9/12



Projection: CASP Zone 2
Datum: NAD 83



GPS Point



PG&E Pole Replacement
CHP Academy

Sheet 4 of 8

GPS Data 6 January 2012



DATA SOURCES: Cardno ENTRIX 2011
Image: I3 Prime World Imagery 2D, 2009



Date: 1/9/12



Projection: CASP Zone 2
Datum: NAD 83



GPS Point



PG&E Pole Replacement
CHP Academy

Sheet 5 of 8

GPS Data 6 January 2012



DATA SOURCES: Cardno ENTRIX 2011
Image: I3 Prime World Imagery 2D, 2009



Date: 1/9/12



Projection: CASP Zone 2
Datum: NAD 83



GPS Point



PG&E Pole Replacement
CHP Academy

Sheet 6 of 8

GPS Data 6 January 2012



DATA SOURCES: Cardno ENTRIX 2011
Image: I3 Prime World Imagery 2D, 2009



Date: 1/9/12



Projection: CASP Zone 2
Datum: NAD 83



GPS Point




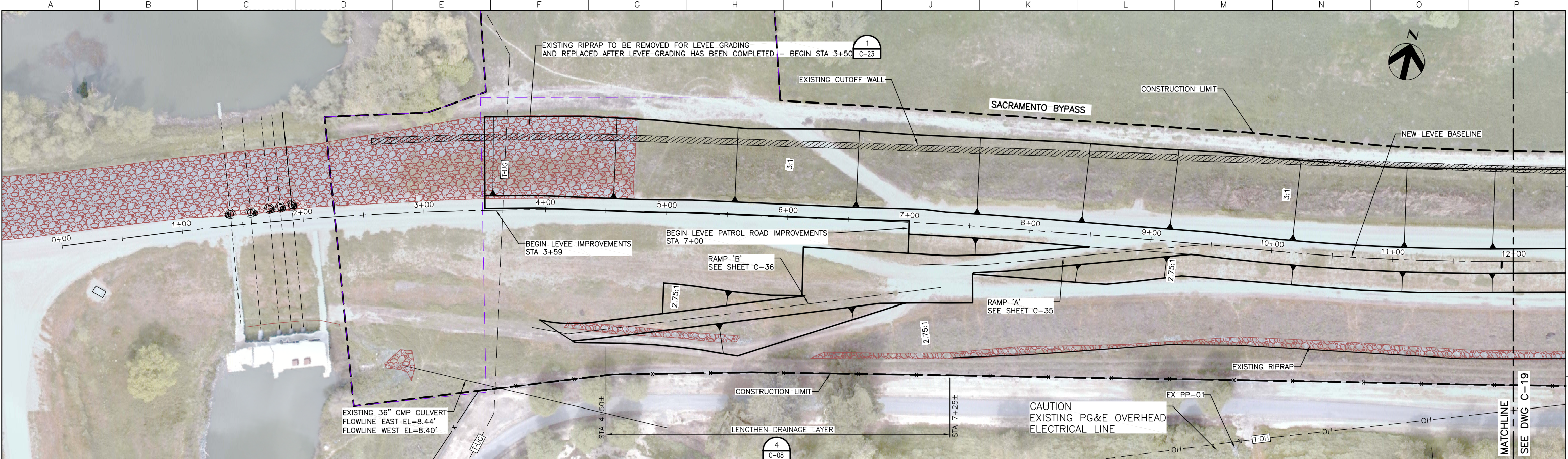
PG&E Pole Replacement
CHP Academy

Sheet 7 of 8

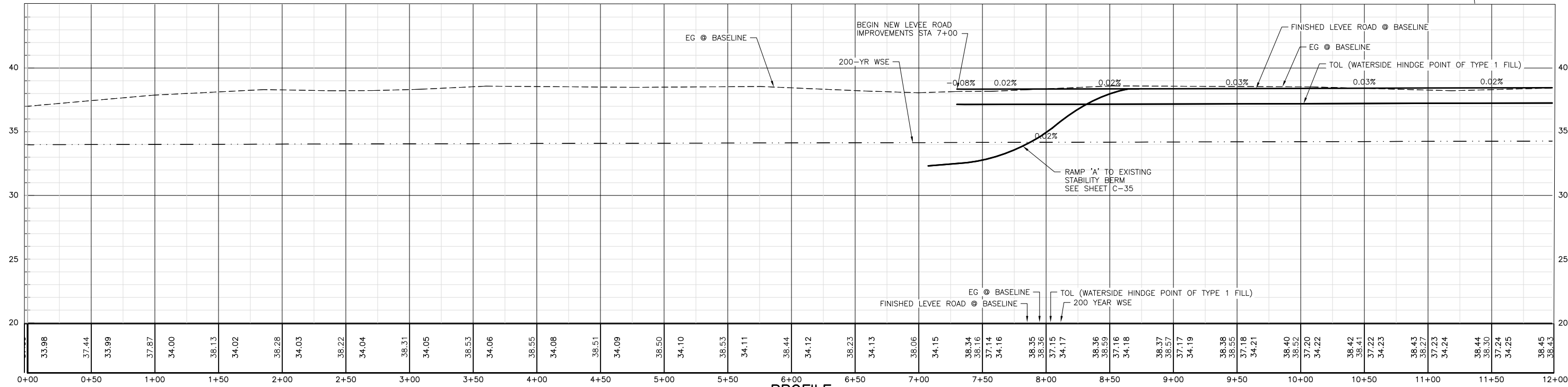
GPS Data 6 January 2012



	<p>GPS Point</p>	 <p>PG&E Pole Replacement CHP Academy</p> <p>Sheet 8 of 8</p> <p>GPS Data 6 January 2012</p>
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PLAN
SCALE: 1" = 40'



PROFILE
SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'

POWER POLE RELOCATION		05/06/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

VERTICAL DATUM CORRECTION EQUATION: NAVD 88 = NGVD29 + 2.6'



Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

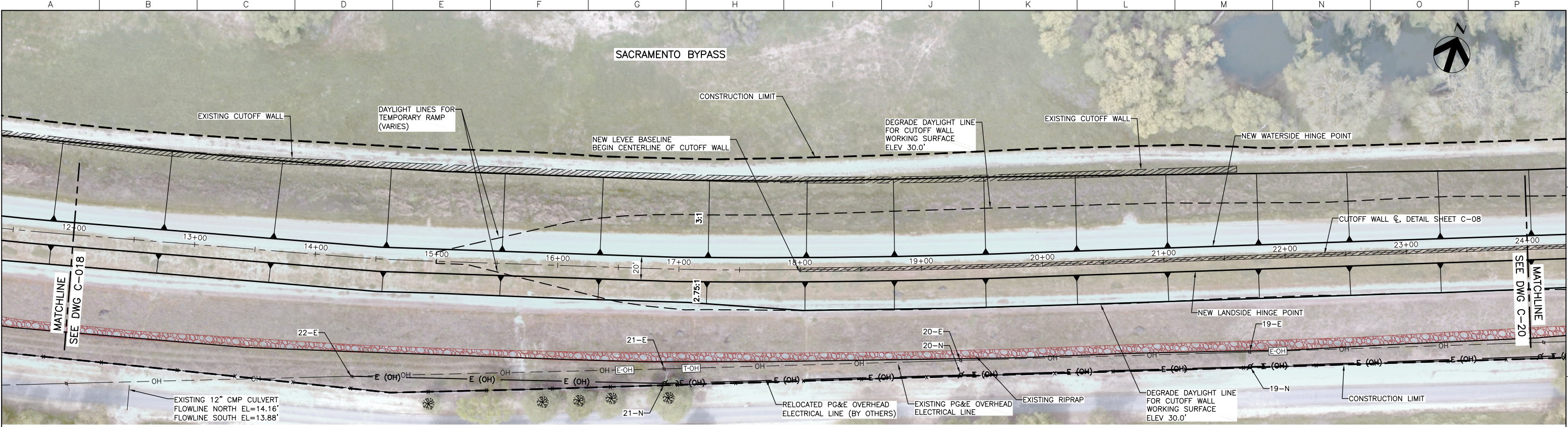
West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

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Drawing No.		Issue	
C-18		X	

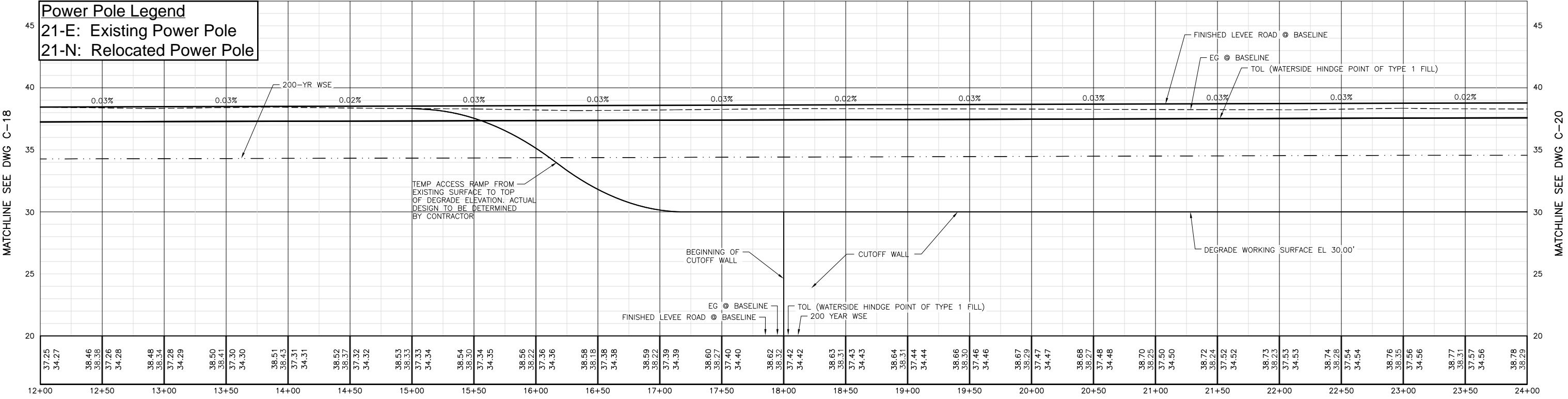
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MATCHLINE SEE DWG C-19

Attachment C - Plans and Photographs



PLAN
SCALE: 1" = 40'



PROFILE
SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'

C:\pwworking\sac\00135698\47-01C-019.dwg
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Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

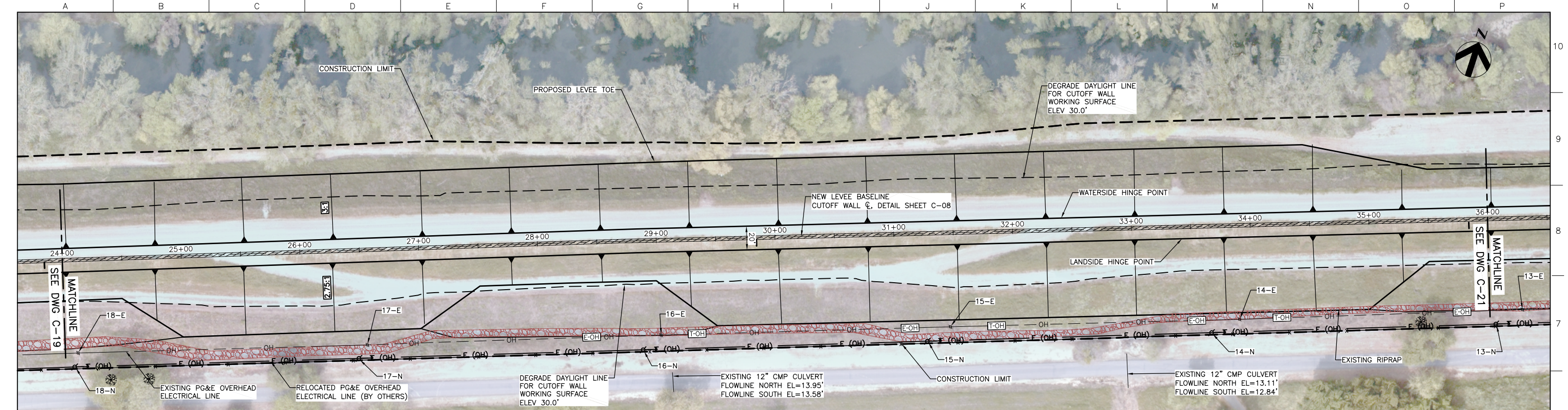
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VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION: NAVD 88 = NGVD29 + 2.6'



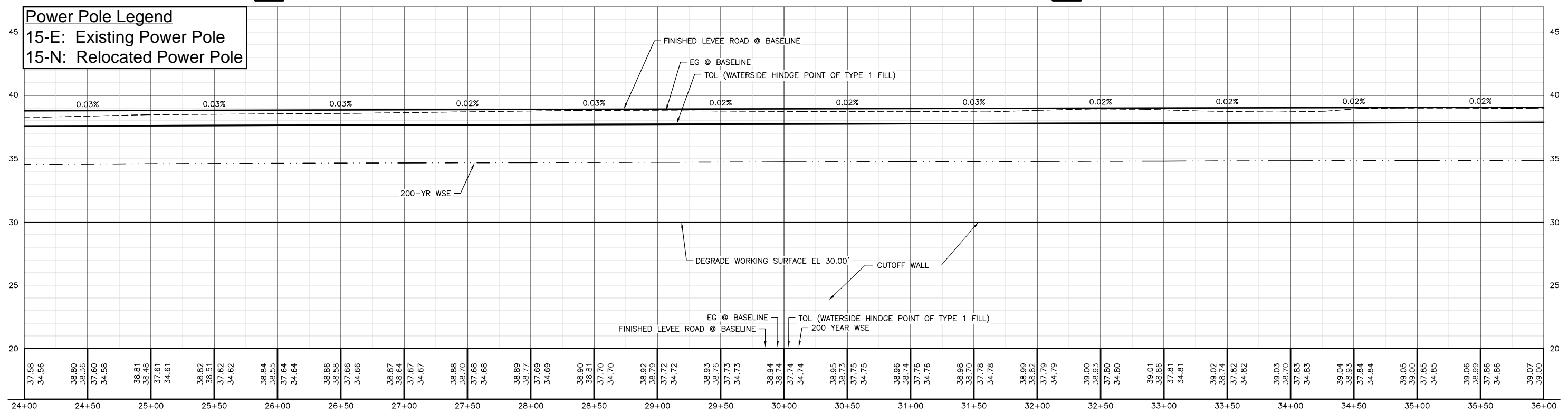
Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS LEVEE - PLAN AND PROFILE STA 12+00 TO 24+00			
Date	APRIL 2011	Project No.	007436-68914-141
Scale	1" = 40'	File Name	47-01C-019.dwg
Drawing No.		Issue	
C-19		X	



Power Pole Legend
15-E: Existing Power Pole
15-N: Relocated Power Pole



PROFILE
SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'

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Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

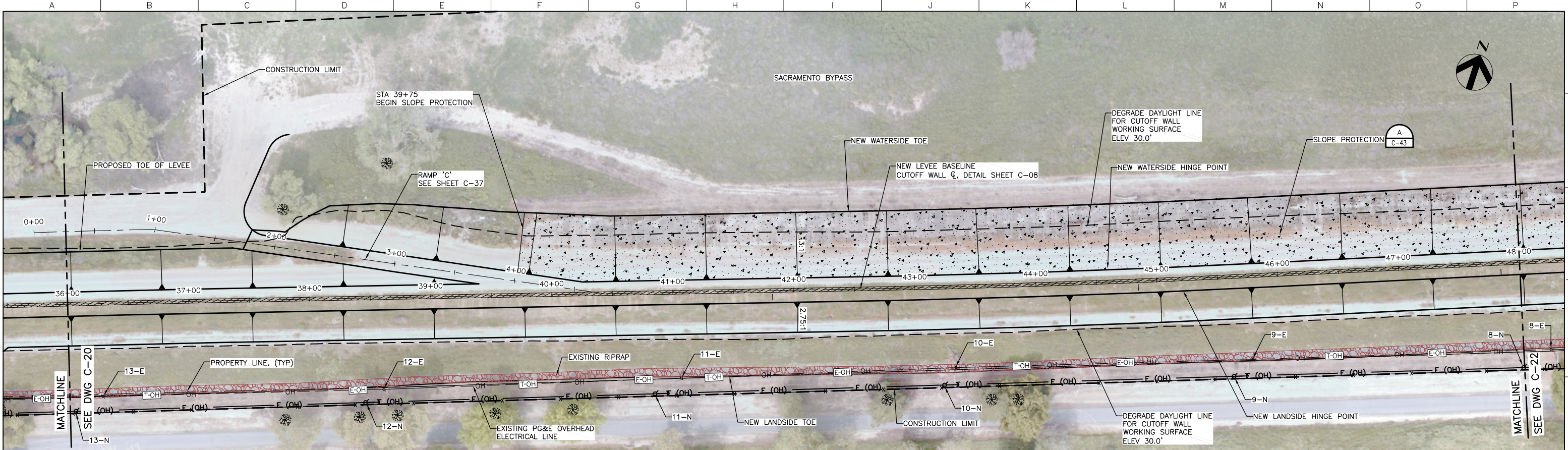
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VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION: NAVD 88 = NGVD29 + 2.6'



Project Manager	E. NAGY
Designed	M. VECCHIO
Checked	J. HESS
Drawn	V. RUSSO

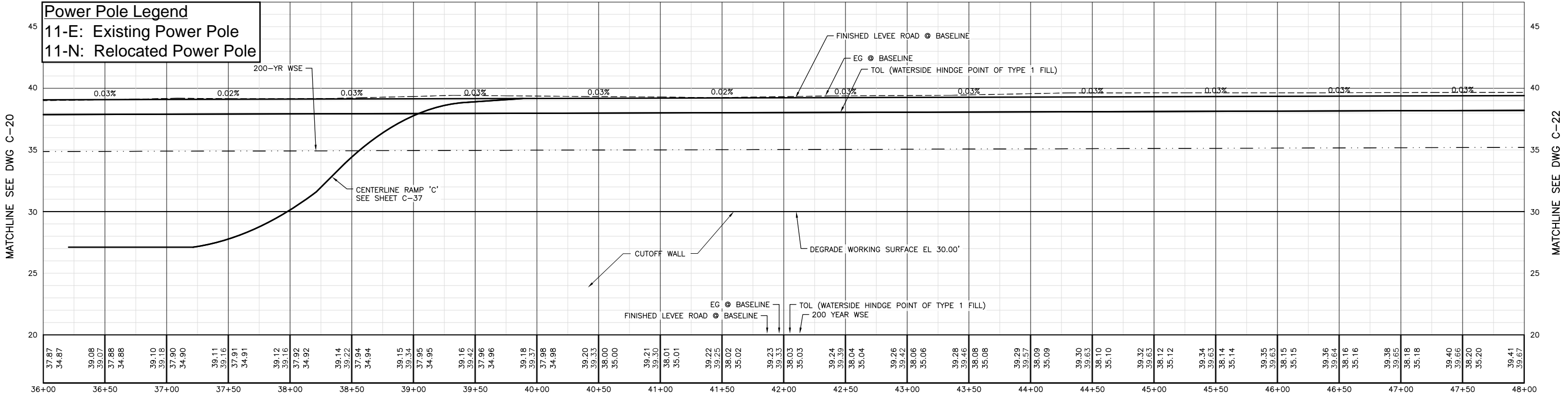
West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS LEVEE - PLAN AND PROFILE STA 24+00 TO 36+00			
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Scale	1" = 40'	File Name	48-01C-020.dwg
Drawing No.		Issue	
C-20		X	



PLAN

SCALE: 1" = 40'



PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'

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ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'

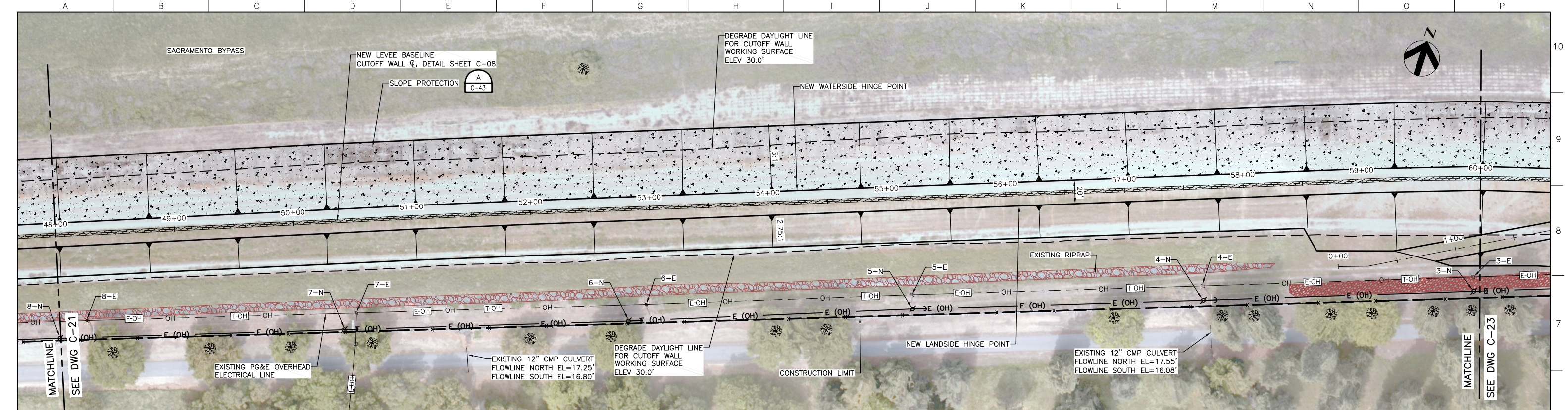


Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

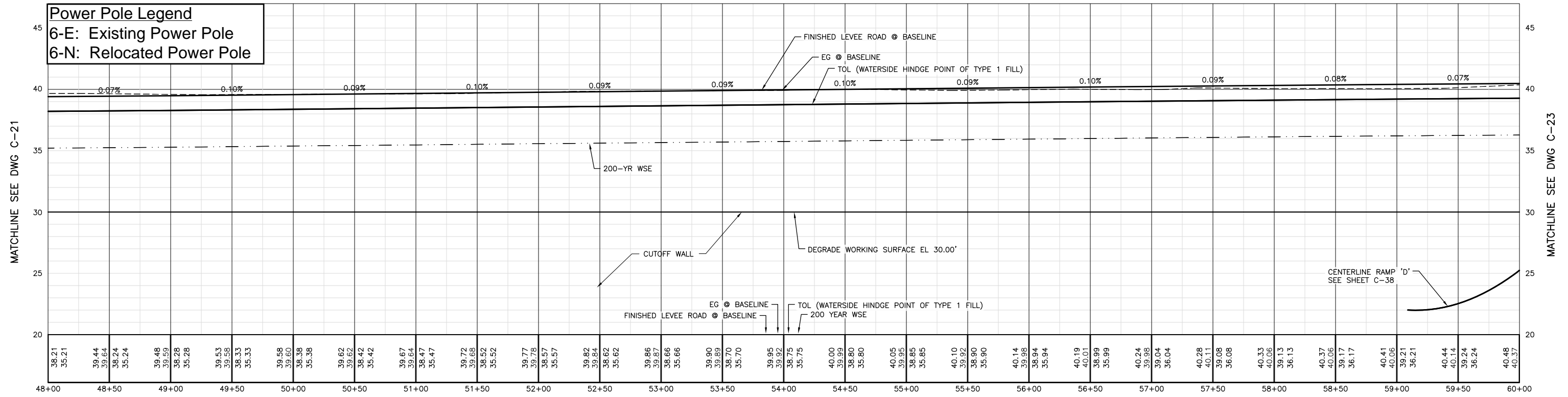
West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
LEVEE - PLAN AND PROFILE
STA 36+00 TO 48+00

Date	APRIL 2011	Project No.	007436-68914-141	Drawing No.	C-21	Issue	X
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PLAN
SCALE: 1" = 40'



PROFILE
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	ISSUED FOR BIDS					04/08/11	VFR	JGH	RCH/MJV	EEN
Description		Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.				

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

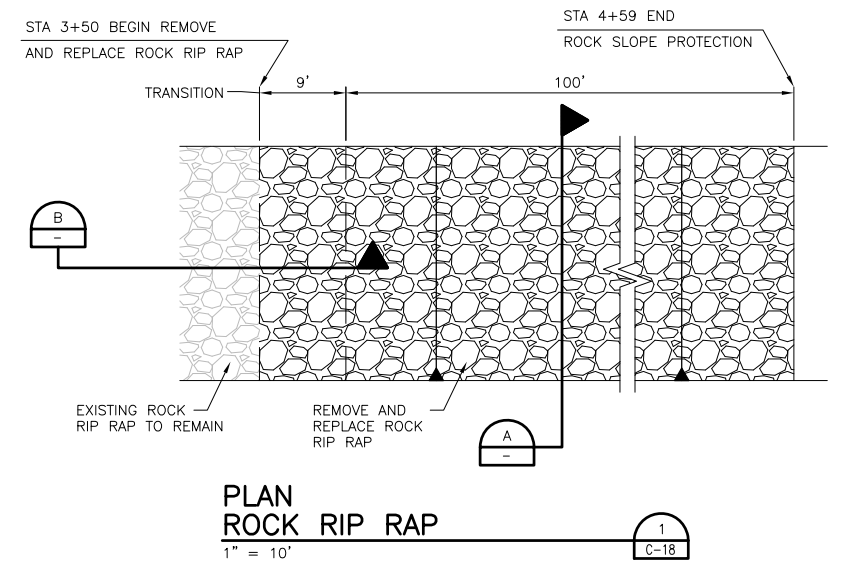
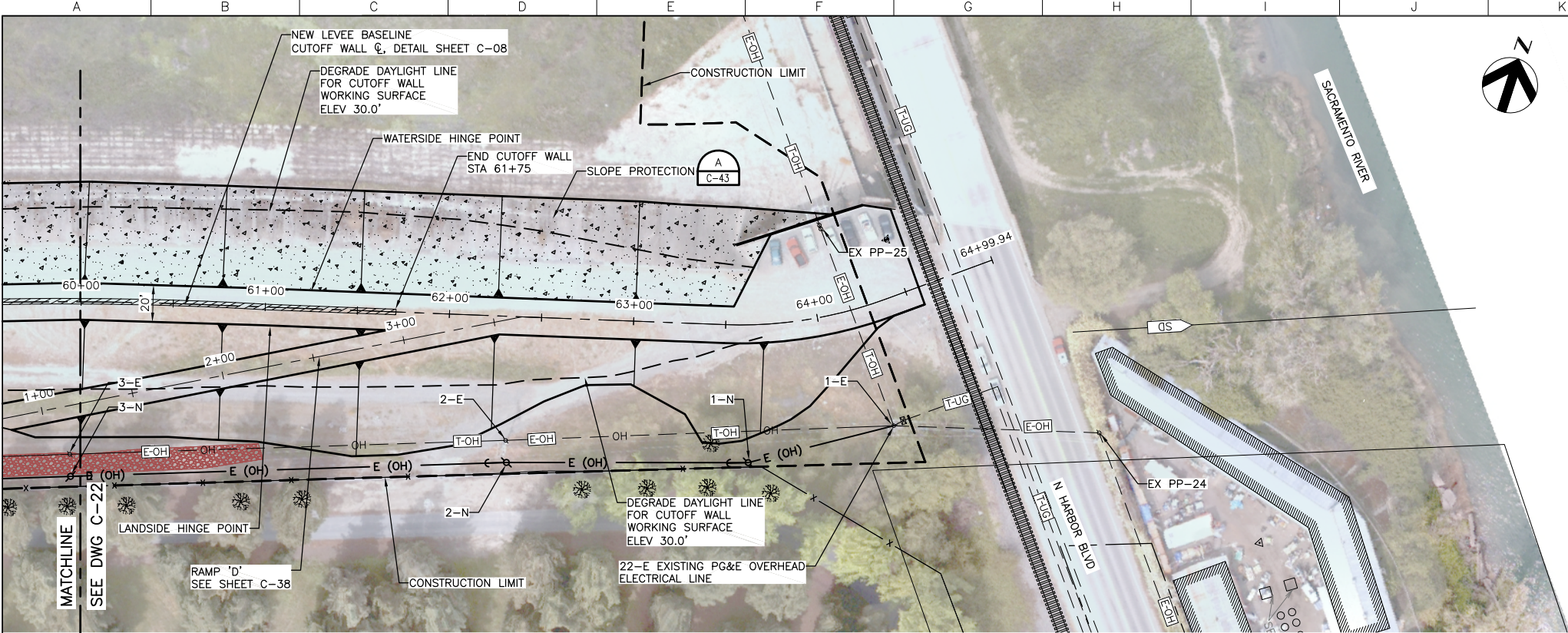
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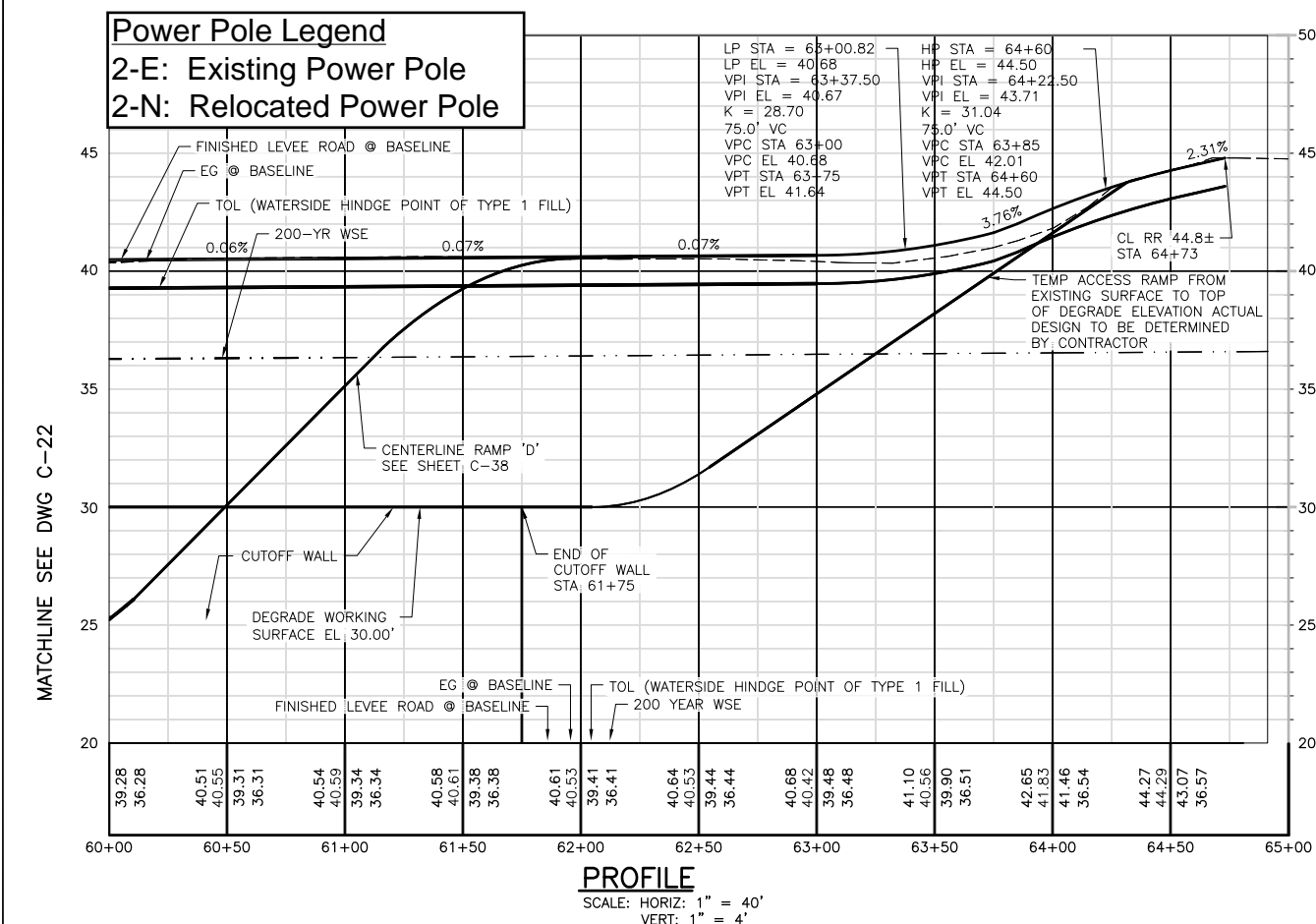
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Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
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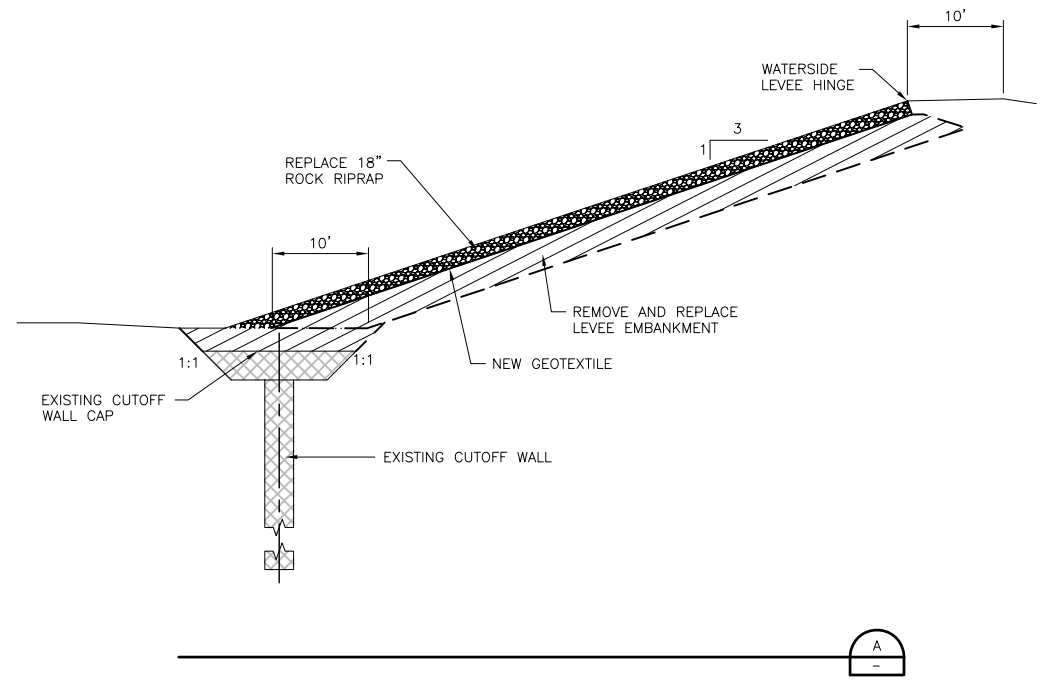
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Scale	1" = 40'	File Name	50-01C-022.dwg
Drawing No.	C-22	Issue	X



PLAN
SCALE: 1" = 40'



TRANSITION
ROCK RIP RAP REMOVE AND REPLACE
1" = 10'



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ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

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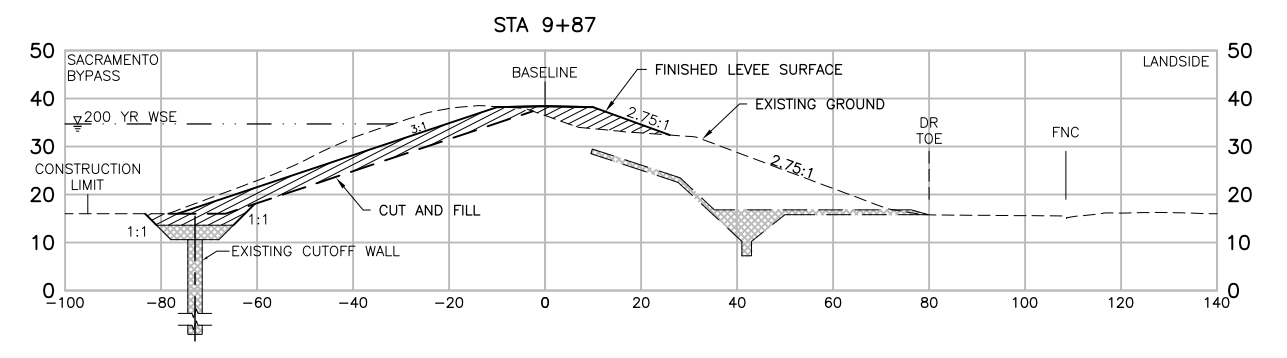
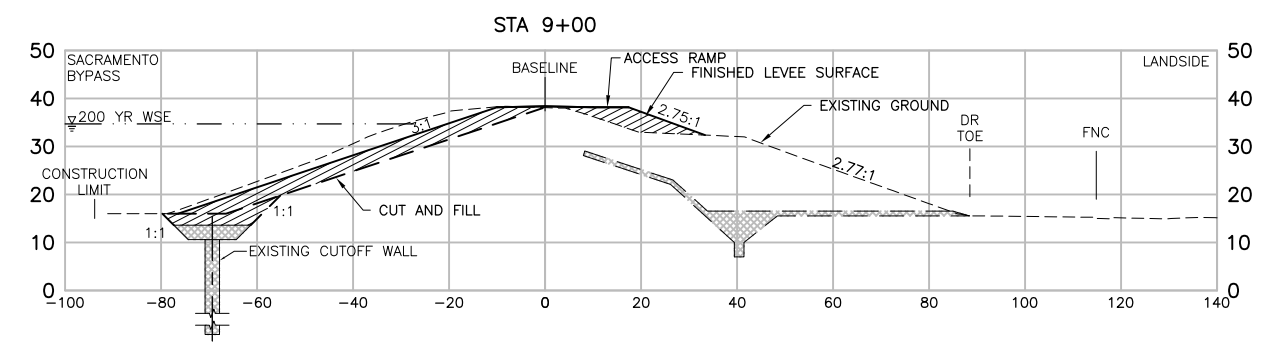
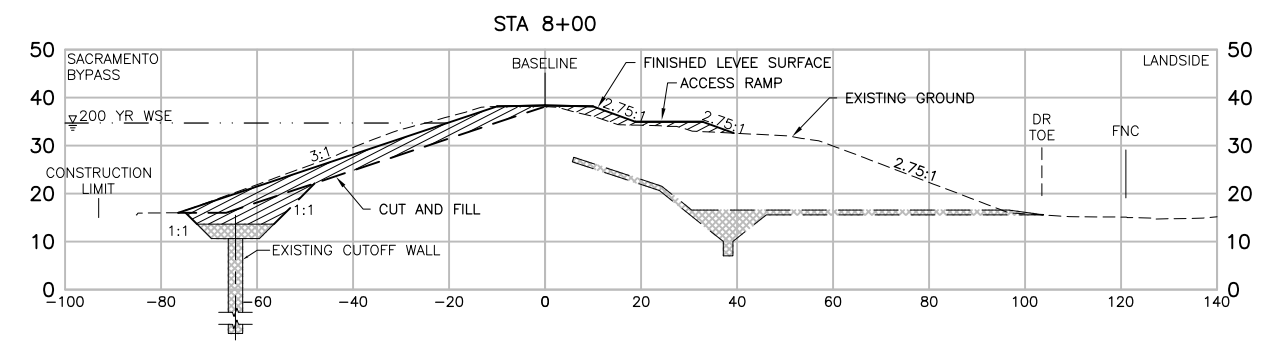
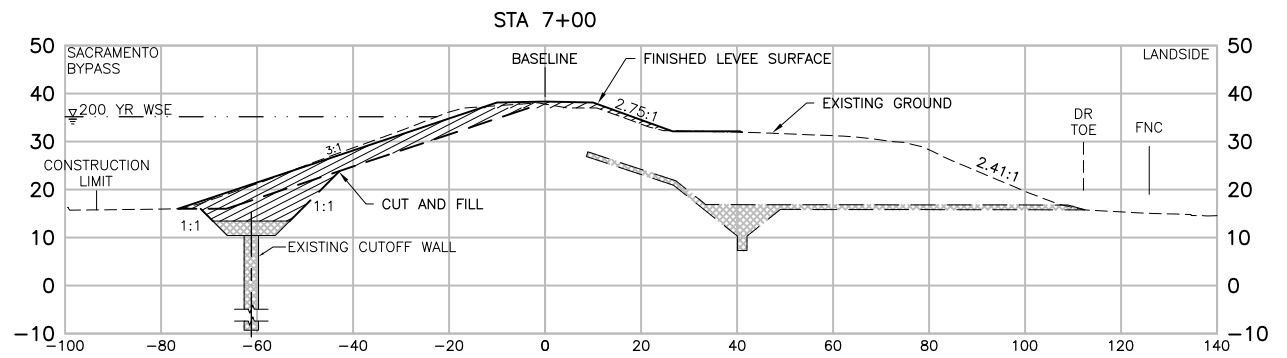
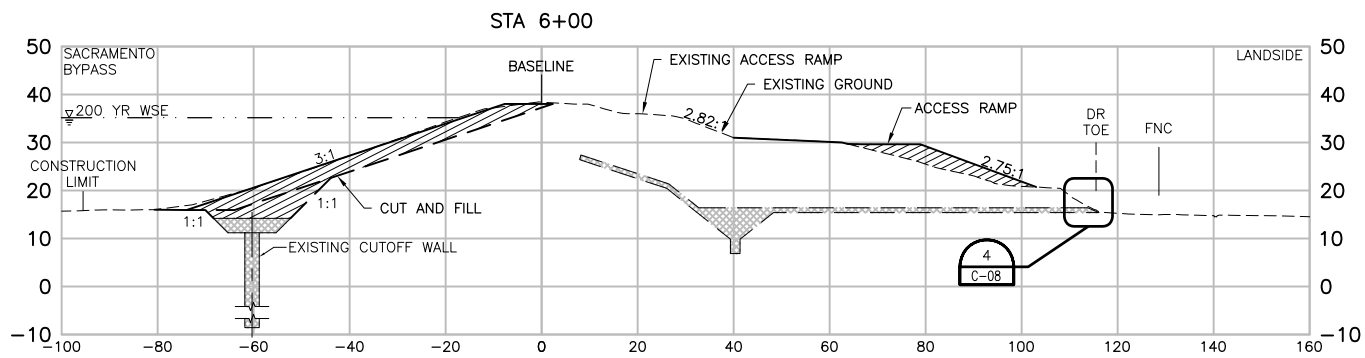
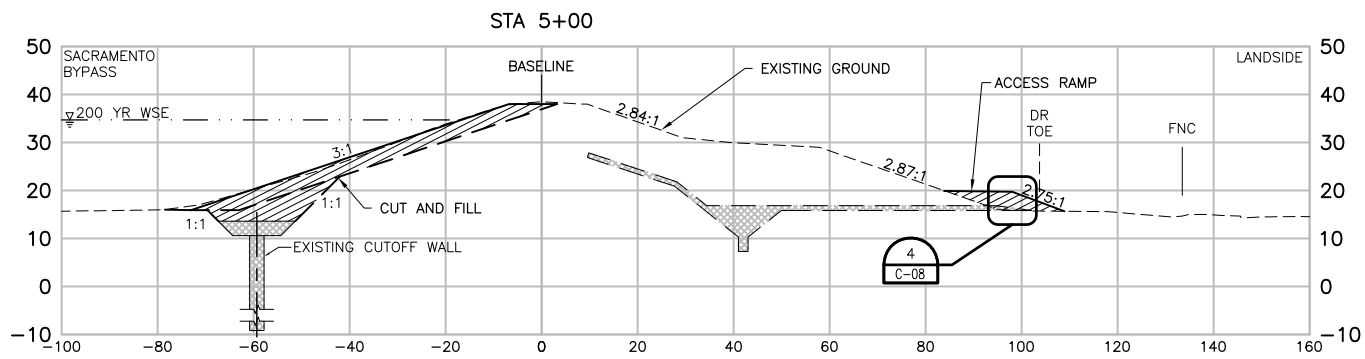
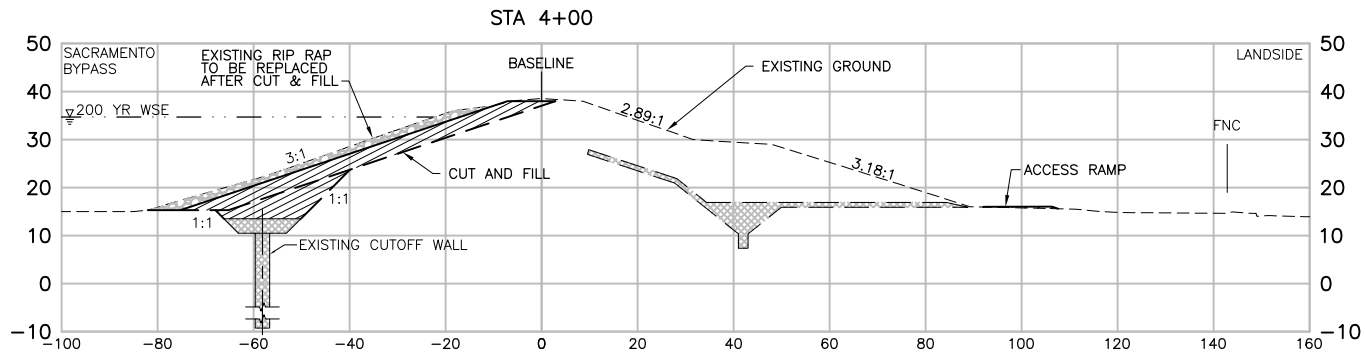
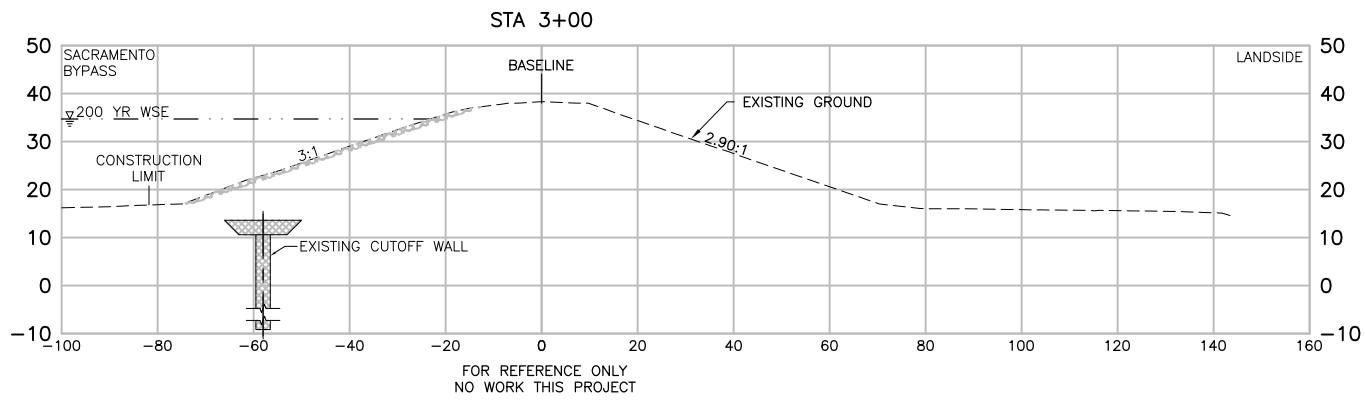


Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS LEVEE - PLAN AND PROFILE STA 60+00 TO 65+00			
Date	APRIL 2011	Project No.	007436-68914-141
Scale	1" = 40'	File Name	51-01C-023.dwg
Drawing No.	C-23	Issue	X

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04-06-11 ACOLLINS 11:23:12

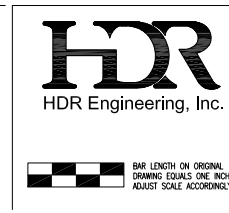
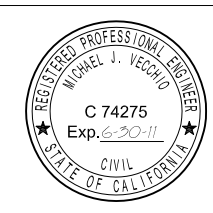


POWER POLE RELOCATION		05/05/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'

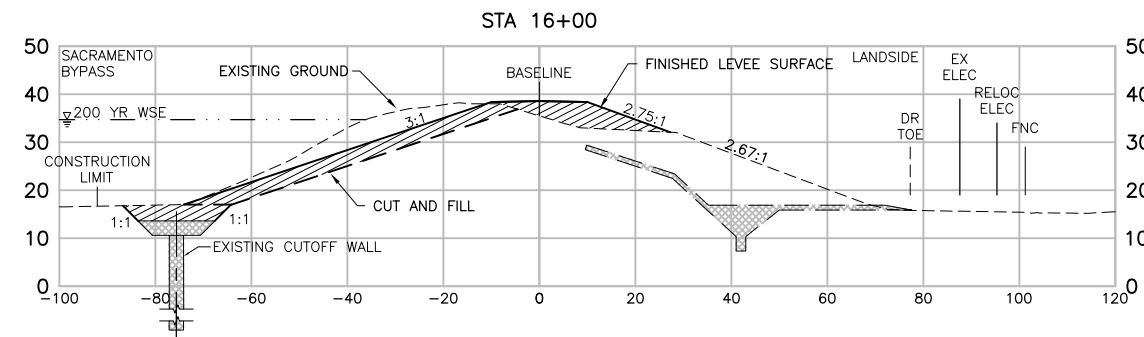
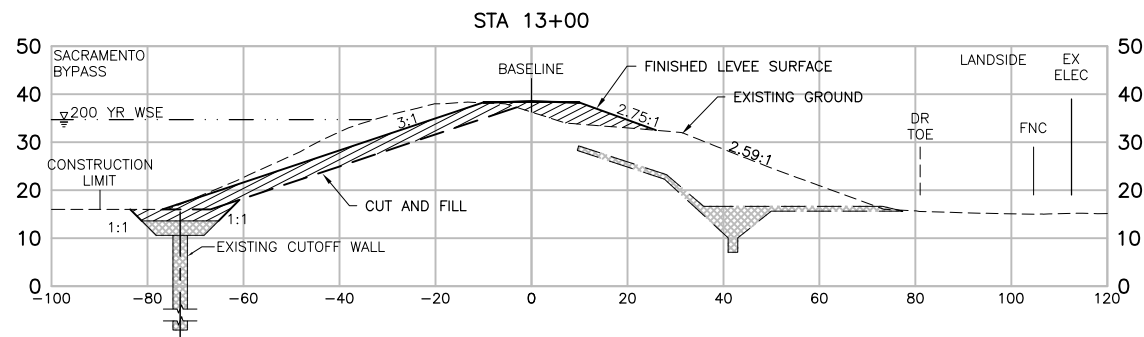
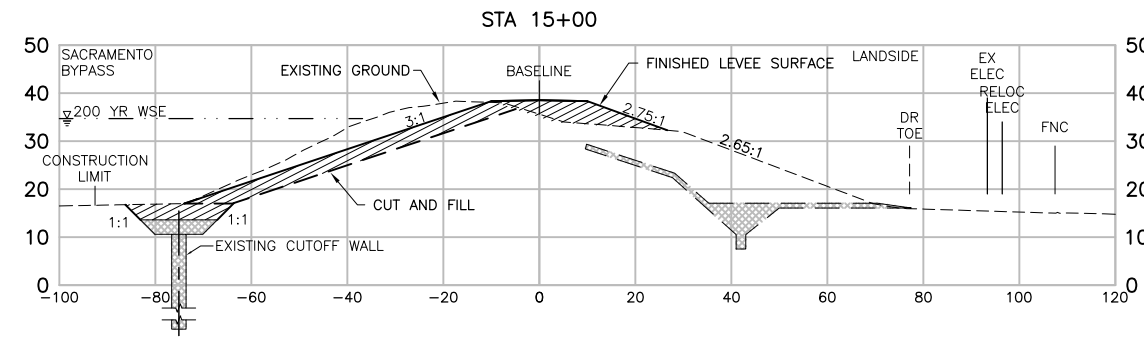
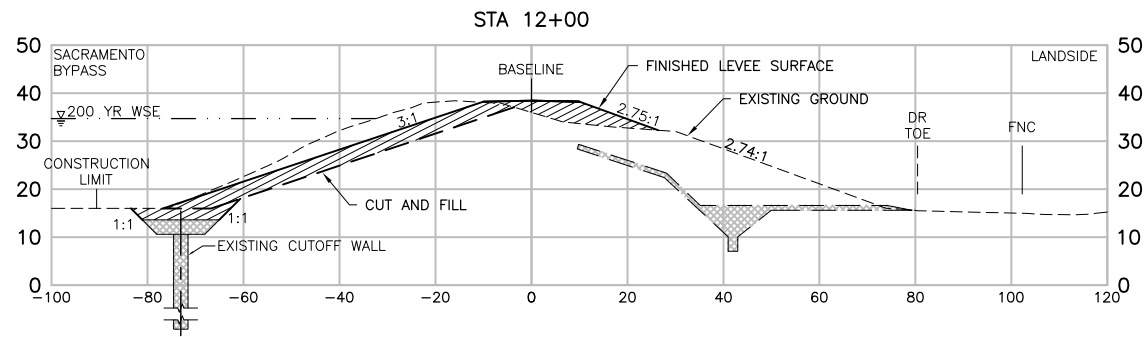
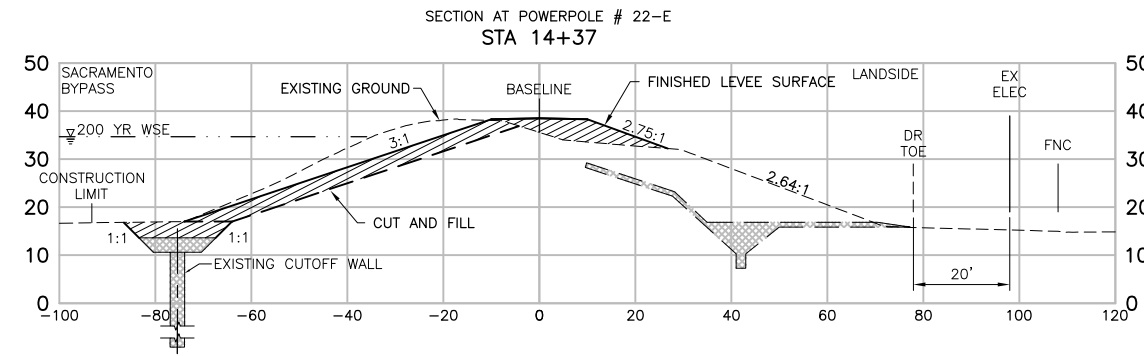
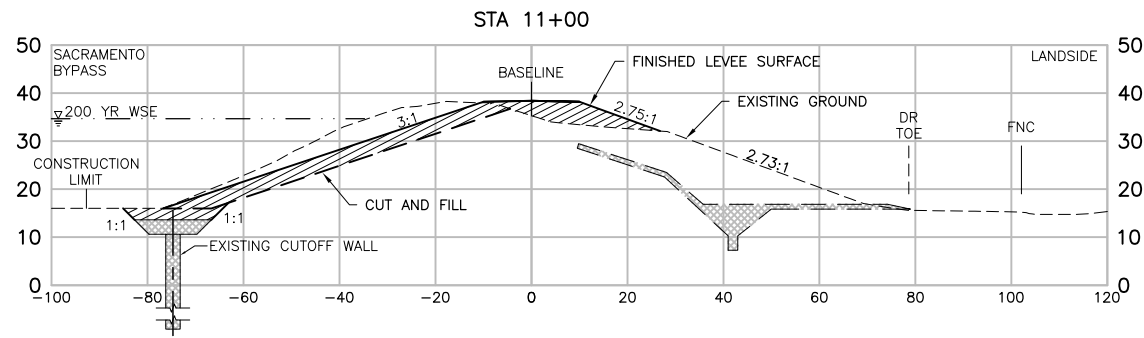
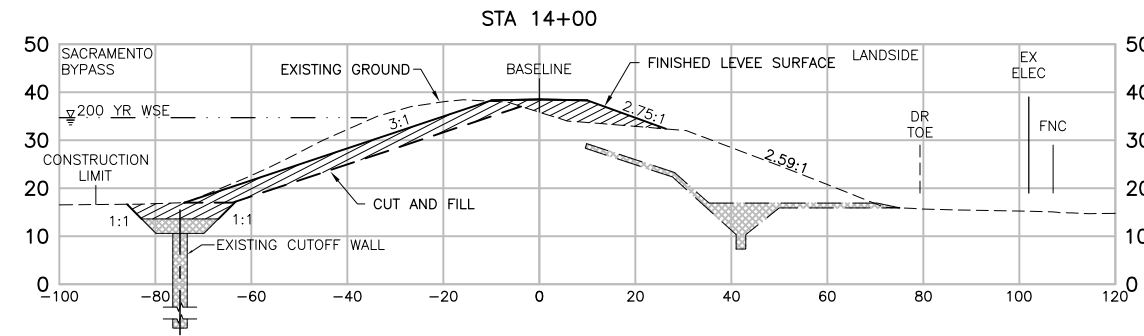
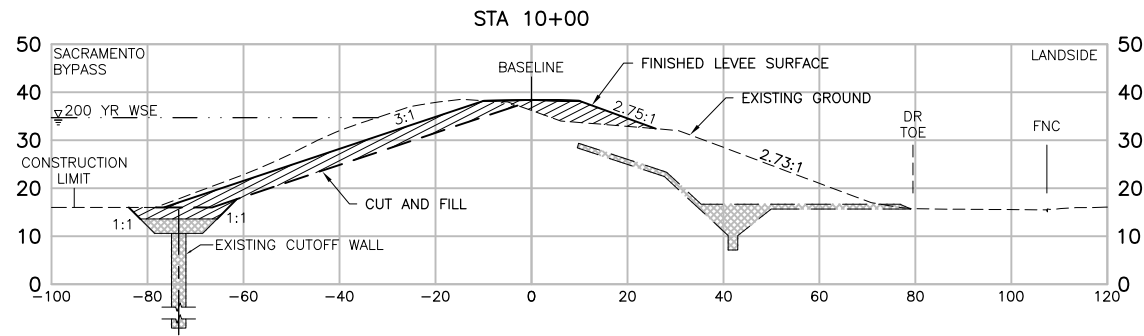


Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS CROSS SECTIONS STA 3+00 TO 9+87			
Date	APRIL 2011	Project No.	007436-68914-141
Scale	1" = 20'	File Name	52-01C-024.dwg
Drawing No.	C-24	Issue	X

C:\pwworking\sac\00135698\53-01C-025.dwg
04-06-11 ACOLLINS 11:24:35



HORIZONTAL DATUM IS THE
CALIFORNIA COORDINATE
SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS
NAVD 88

VERTICAL DATUM CORRECTION
EQUATION:
NAVD 88 = NGVD29 + 2.6'



Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 10+00 TO 16+00**

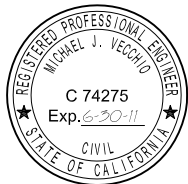
Date	APRIL 2011	Project No.	007436-68914-141	Drawing No.	C-25	Issue	X
Scale	1" = 20'	File Name	53-01C-025.dwg				

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04-06-11 ACOLLINS 11:26:03

POWER POLE RELOCATION		05/05/11	ACC		MJV	EEN			
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN			
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.			

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'

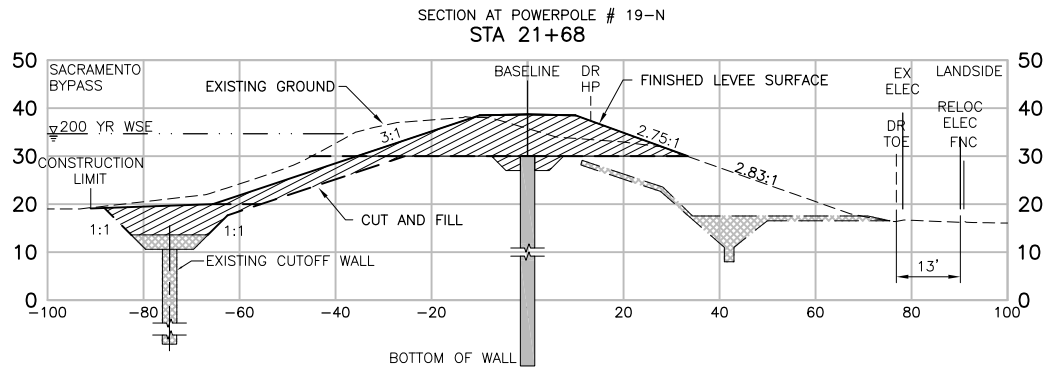
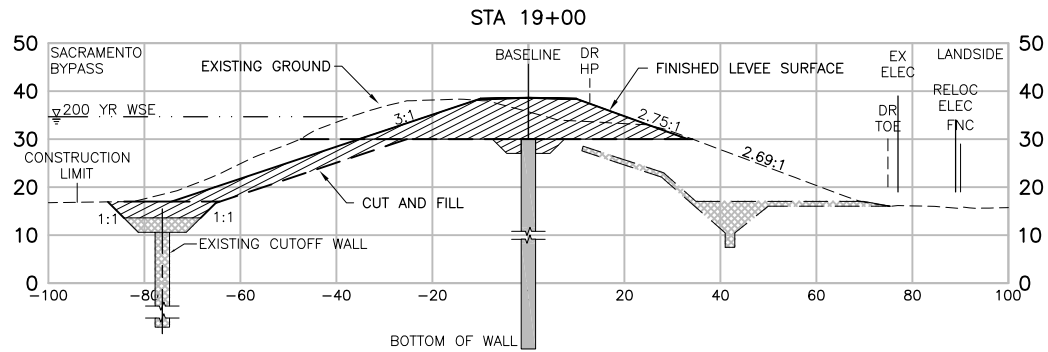
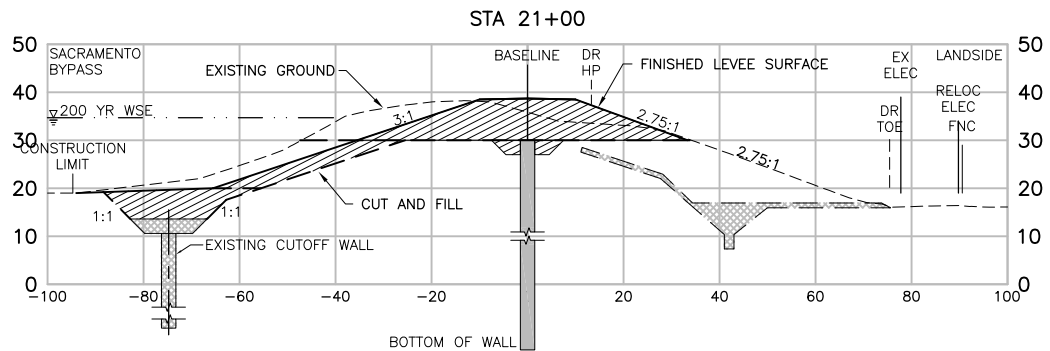
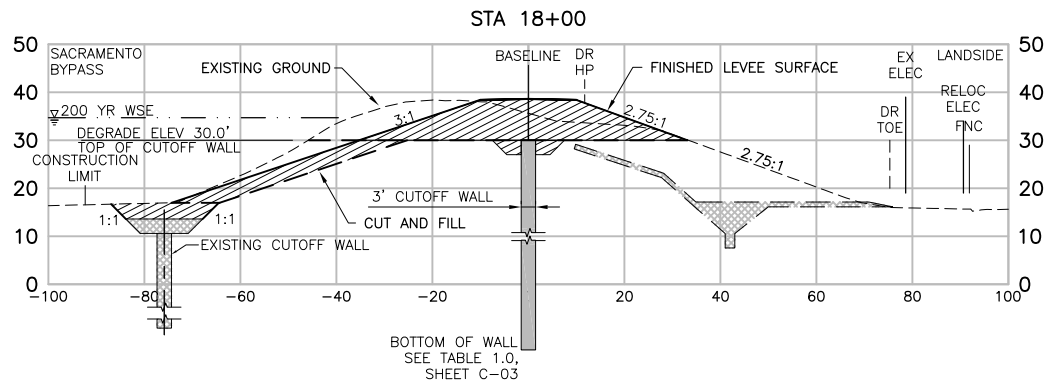
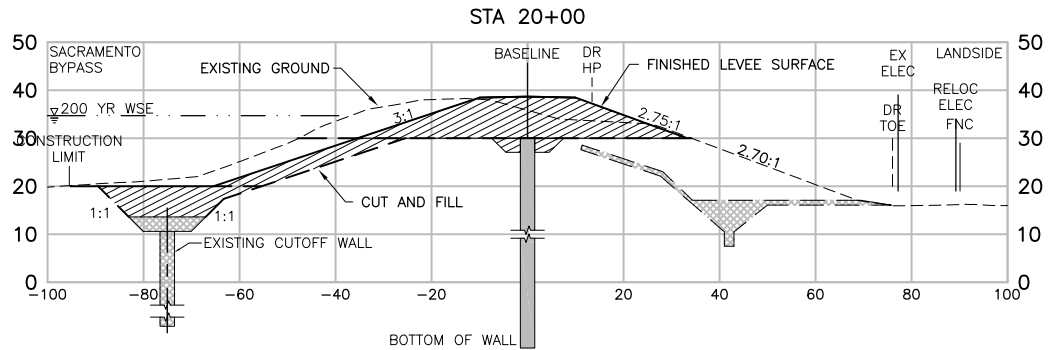
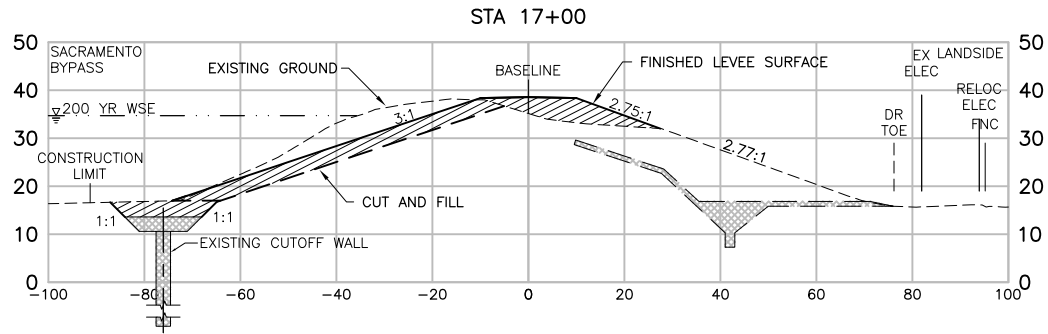
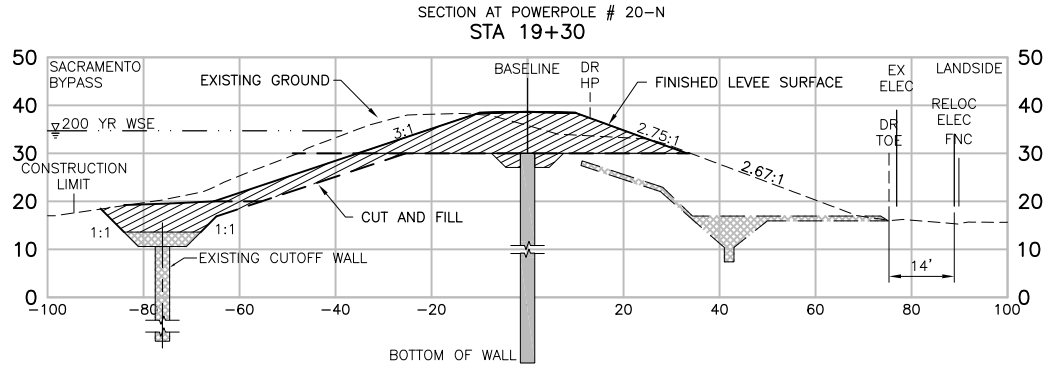
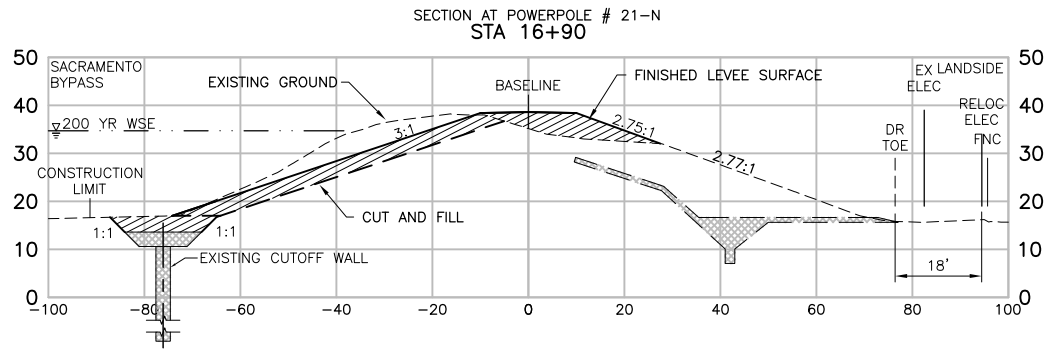


Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 16+91 TO 21+68**

Date	APRIL 2011	Project No.	007436-68914-141	Drawing No.	C-26	Issue	X
Scale	1" = 20'	File Name	54-01C-026.dwg				

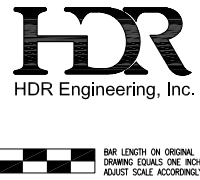
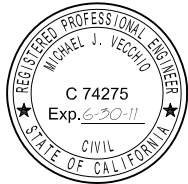


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04-06-11 ACOLLINS 11:28:05

POWER POLE RELOCATION		05/05/11	ACC		MJV	EEN			
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN			
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.			

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'

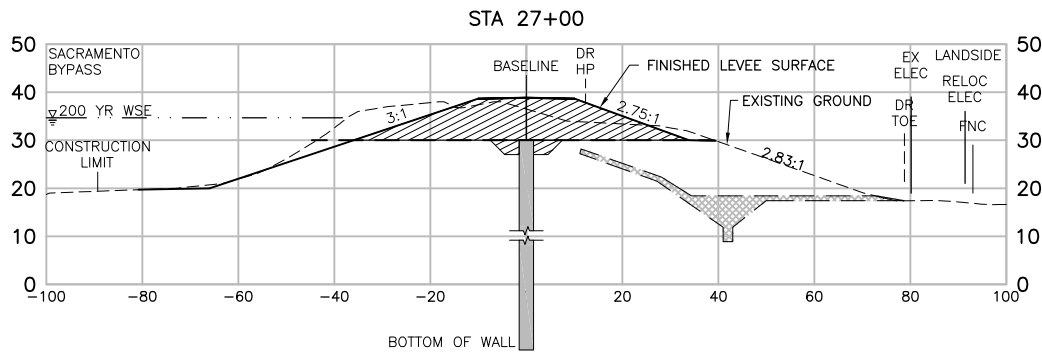
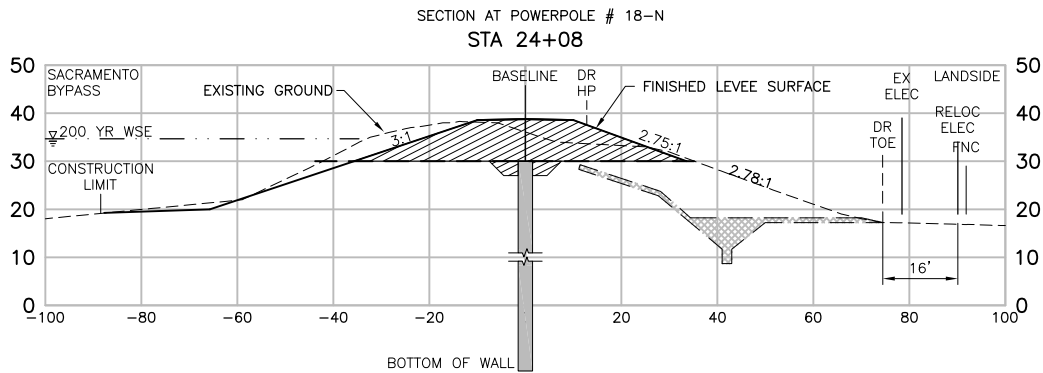
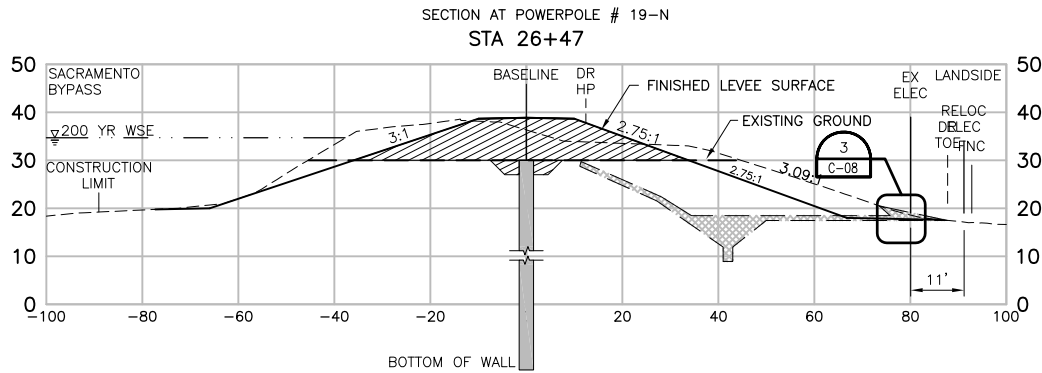
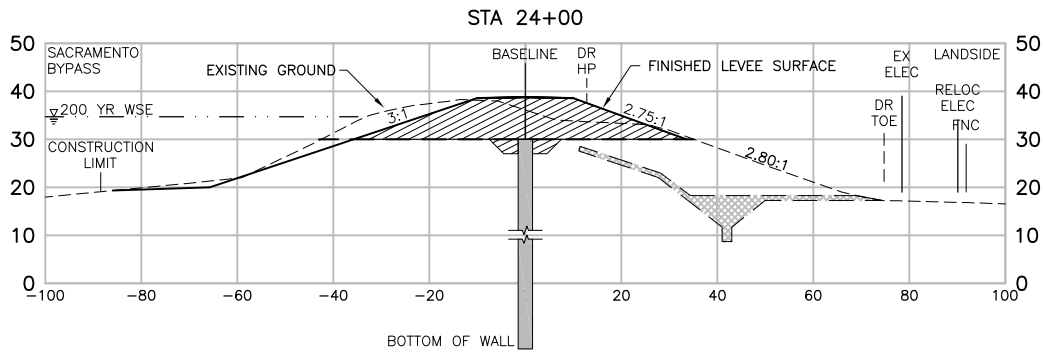
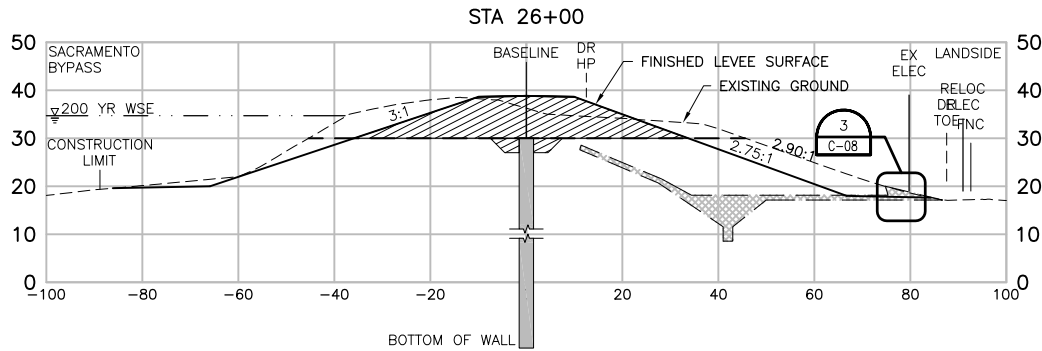
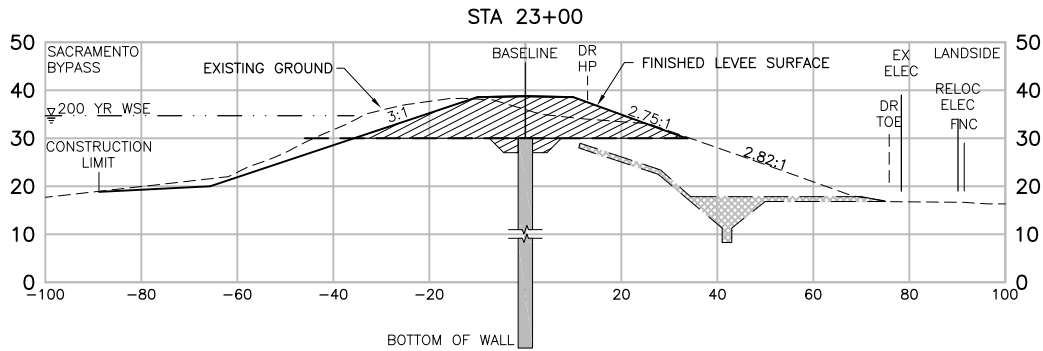
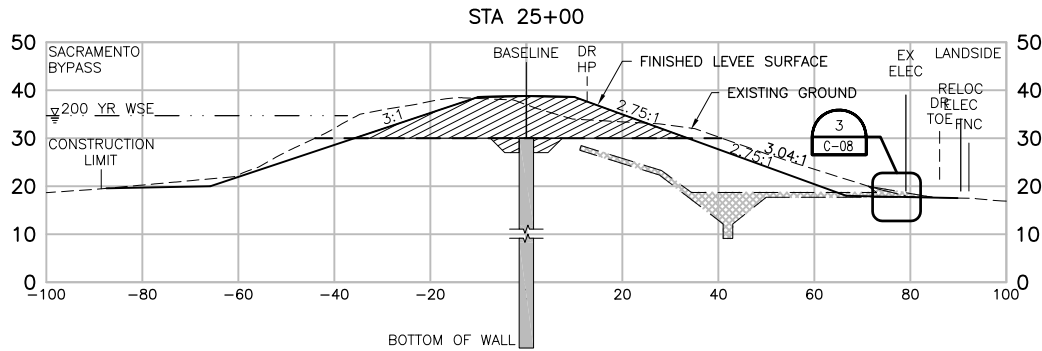
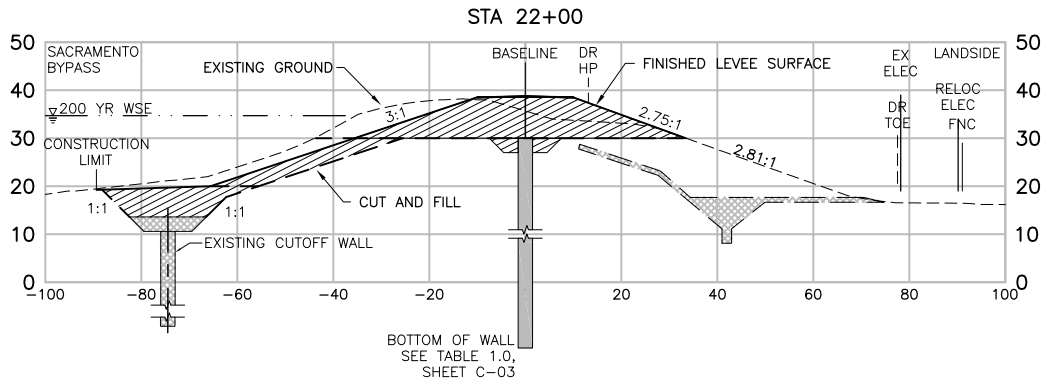


Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

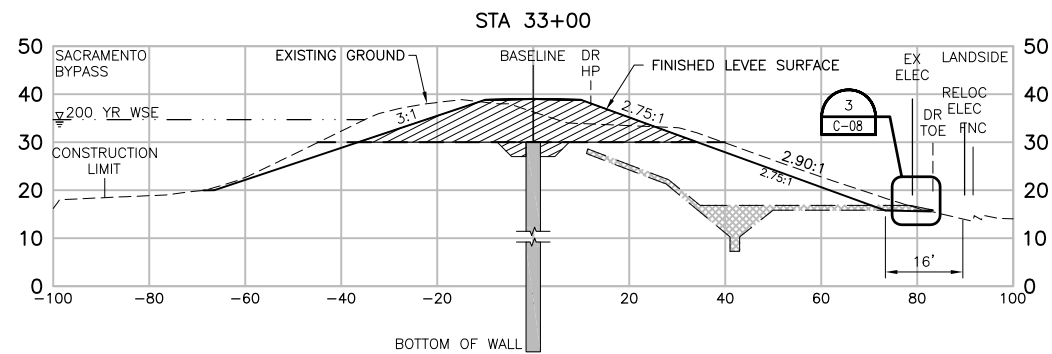
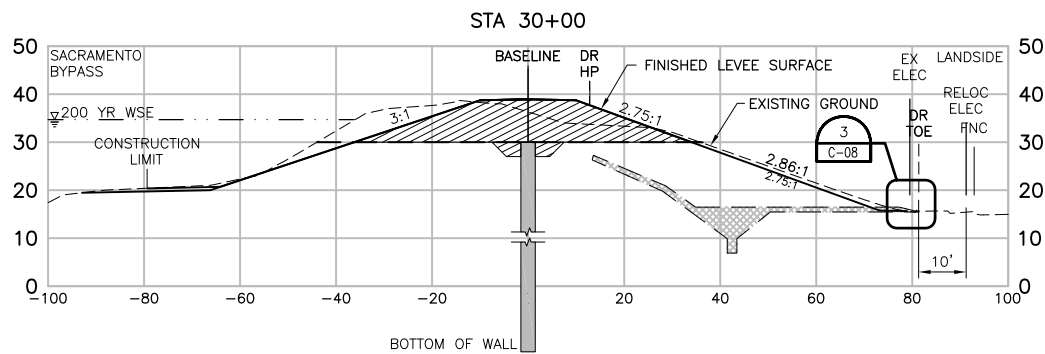
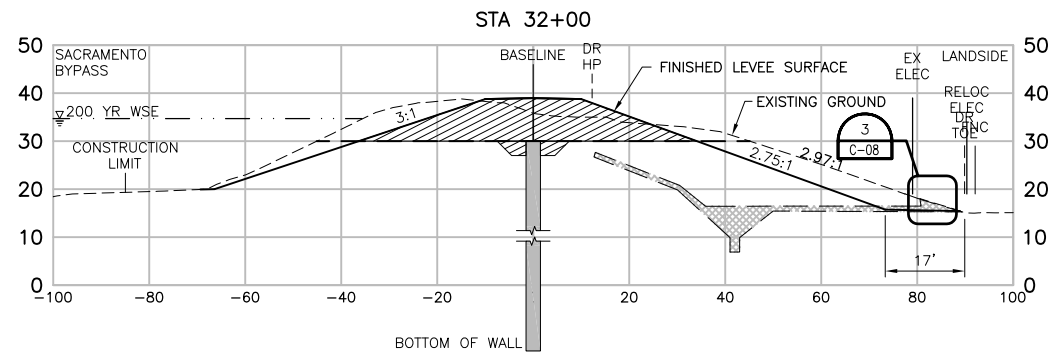
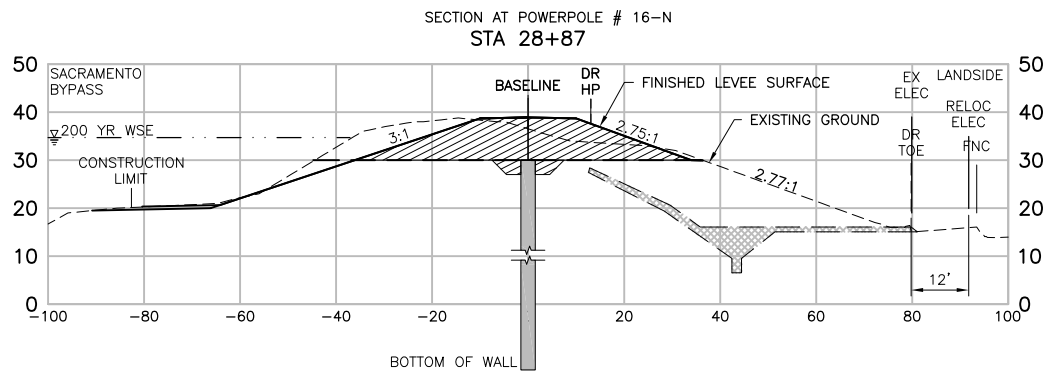
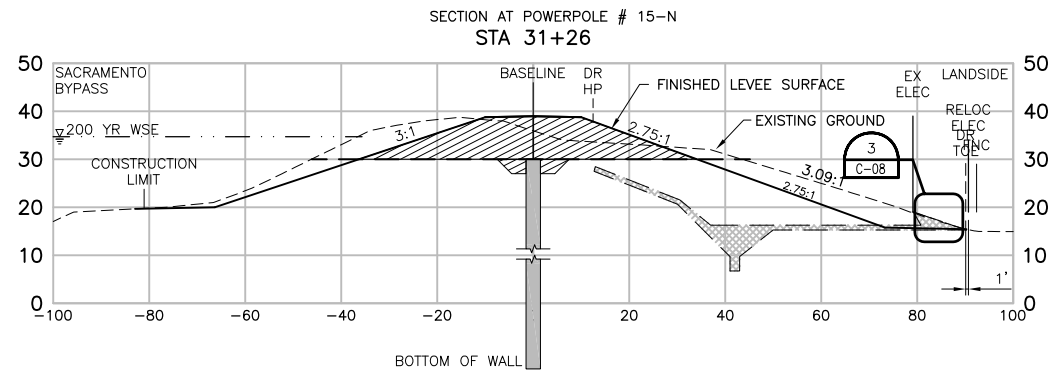
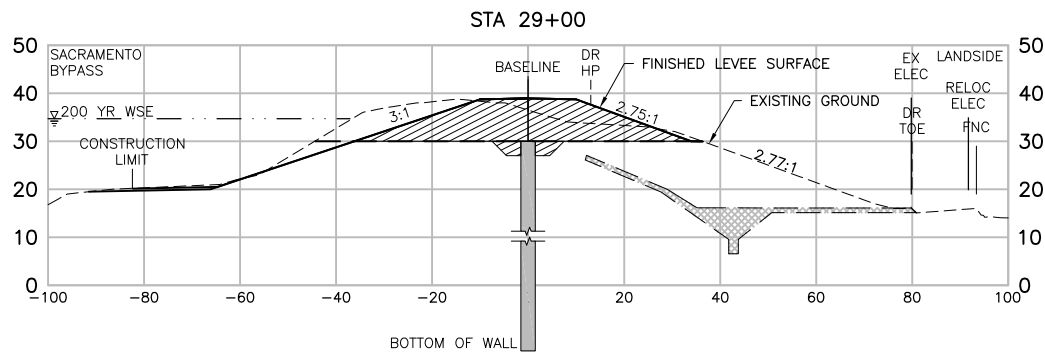
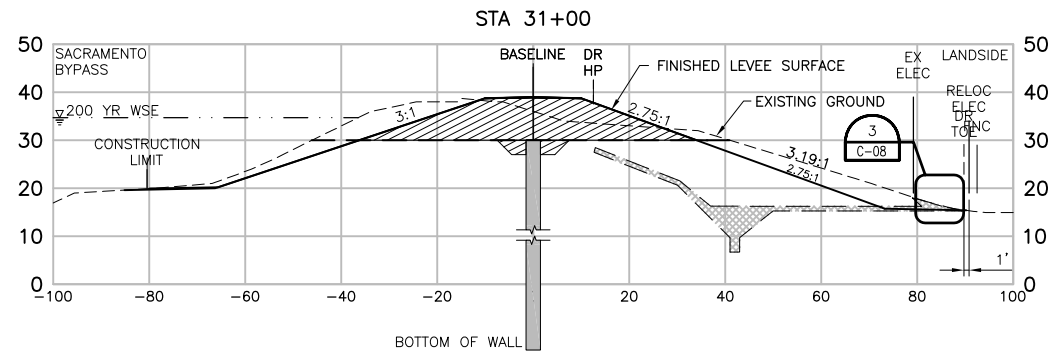
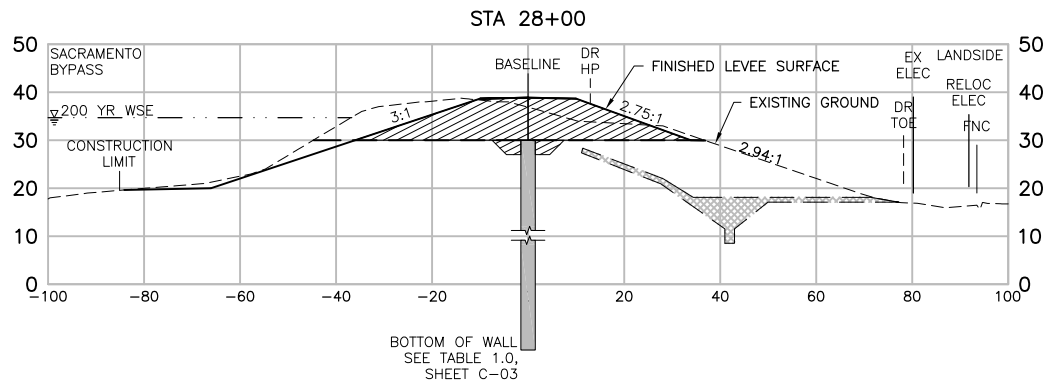
West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 22+00 TO 27+00**

Date	APRIL 2011	Project No.	007436-68914-141	Drawing No.	C-27	Issue	X
Scale	1" = 20'	File Name	55-01C-027.dwg				



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04-06-11 ACOLLINS 11:30:08

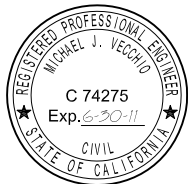


POWER POLE RELOCATION		05/05/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



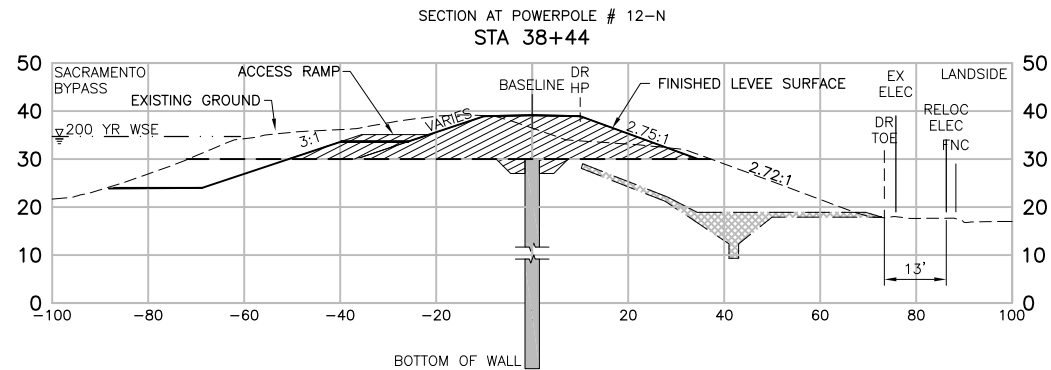
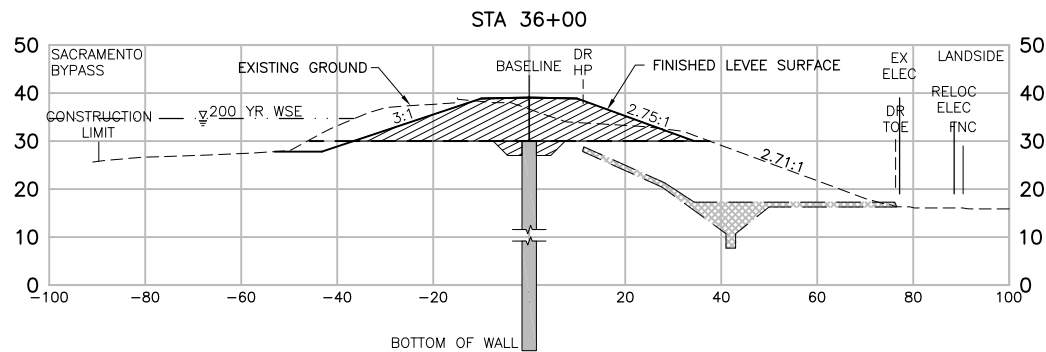
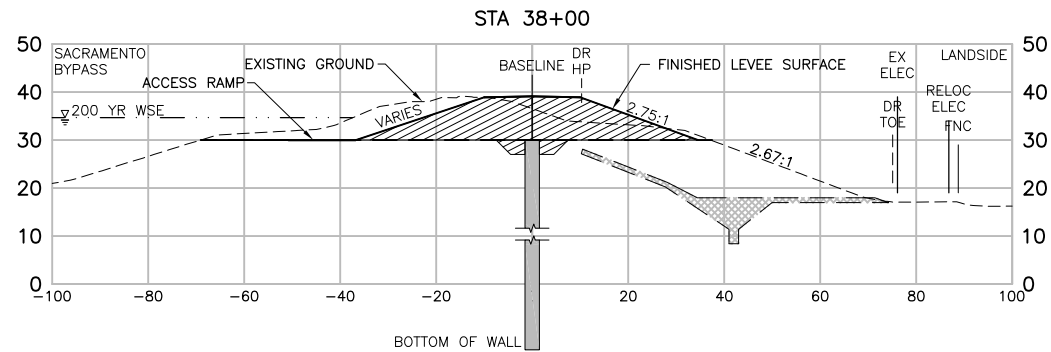
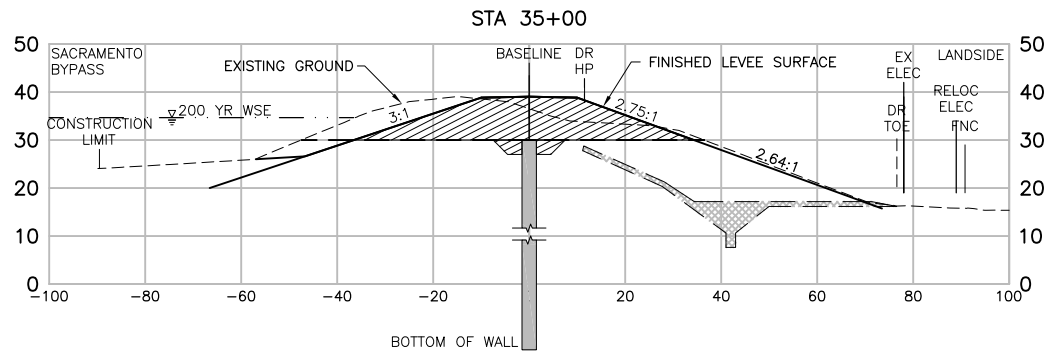
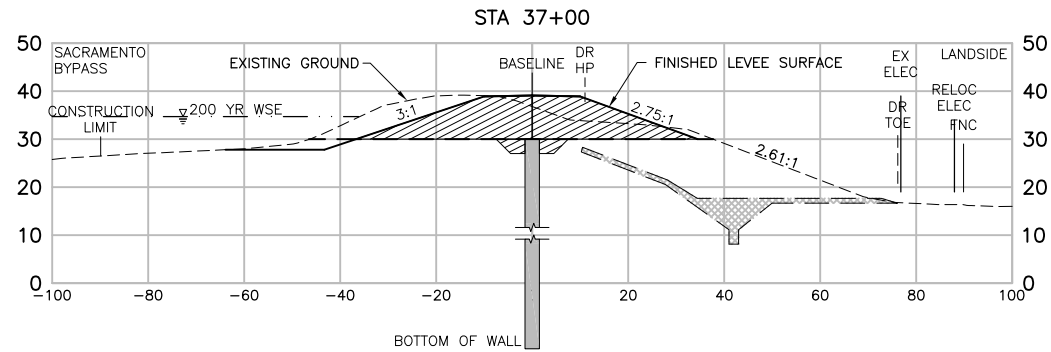
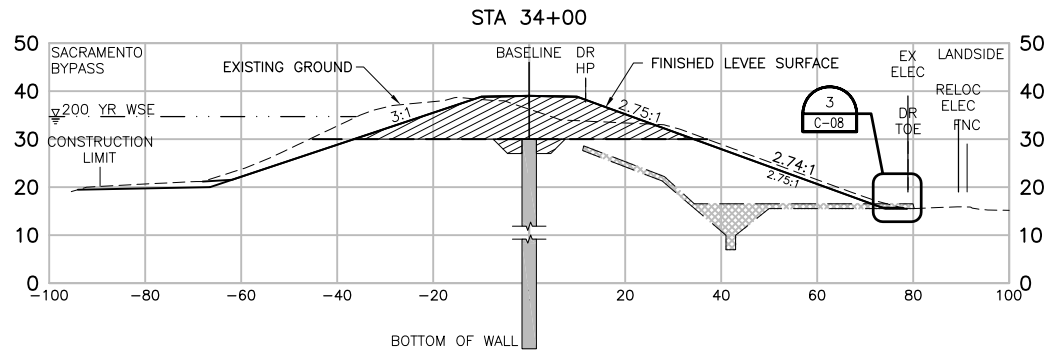
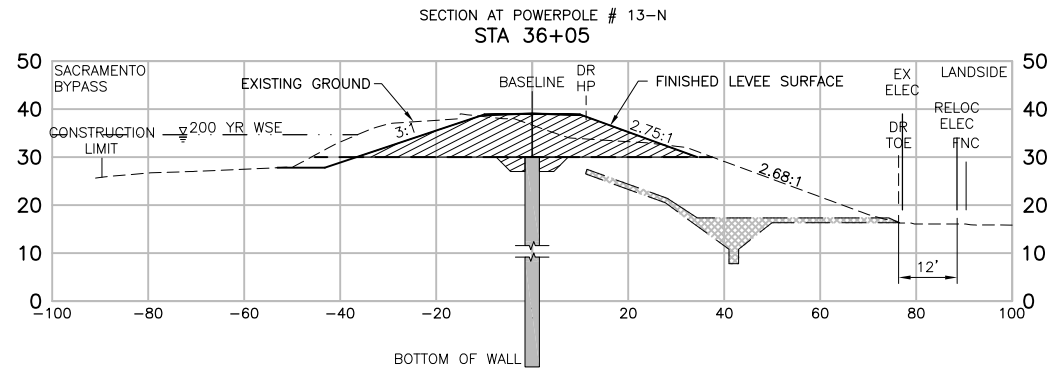
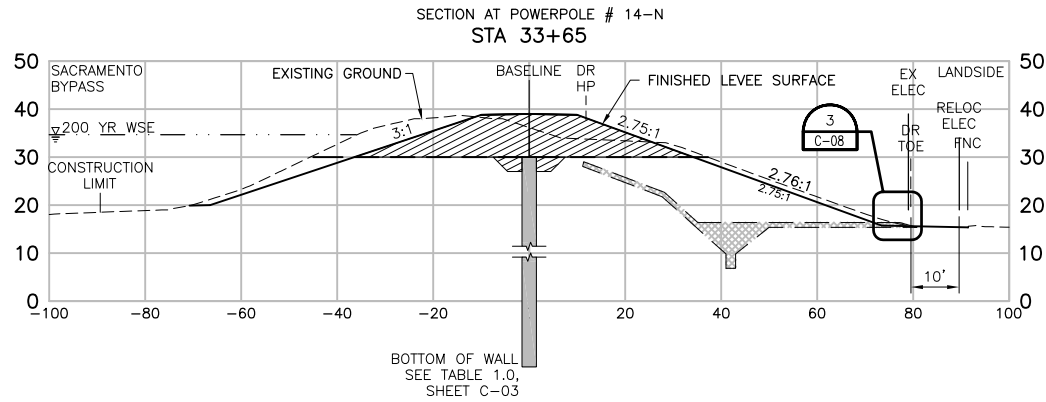
Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 28+00 TO 33+00**

Date	APRIL 2011	Project No.	007436-68914-141	Drawing No.	C-28	Issue	X
Scale	1" = 20'	File Name	56-01C-028.dwg				

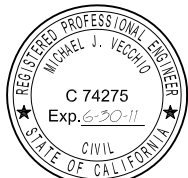
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04-06-11 ACOLLINS 11:31:31



POWER POLE RELOCATION		05/06/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



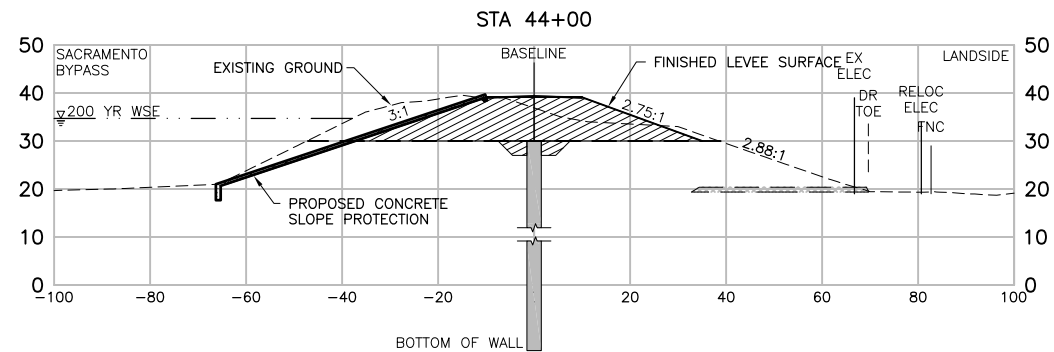
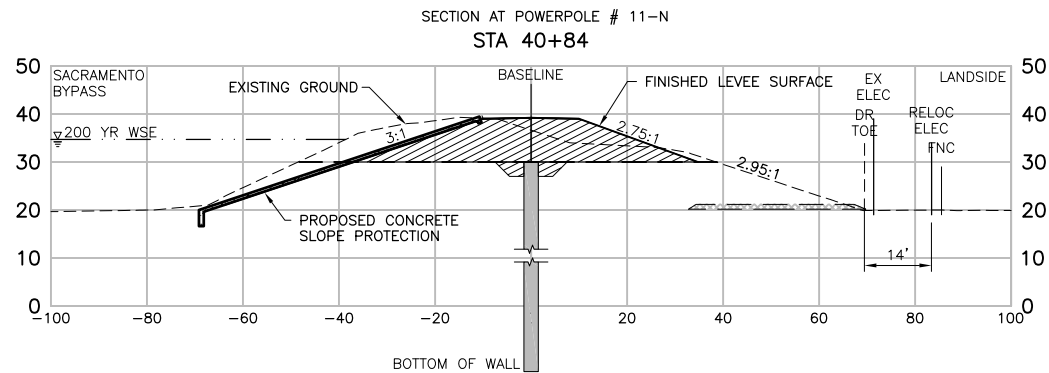
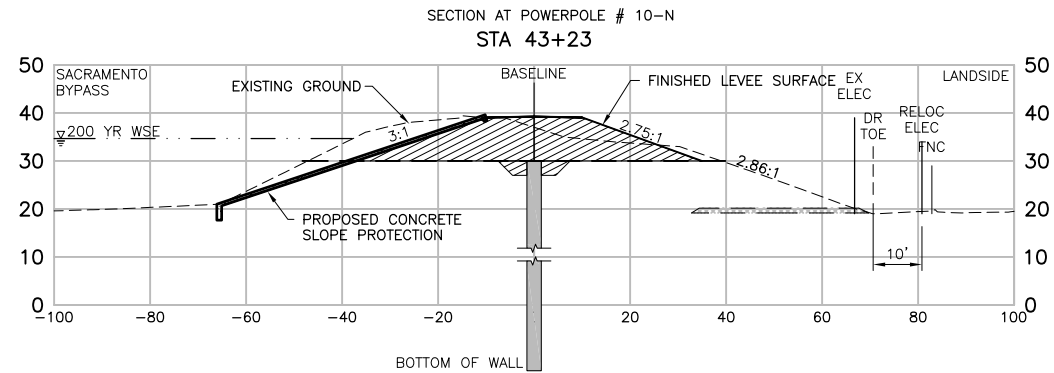
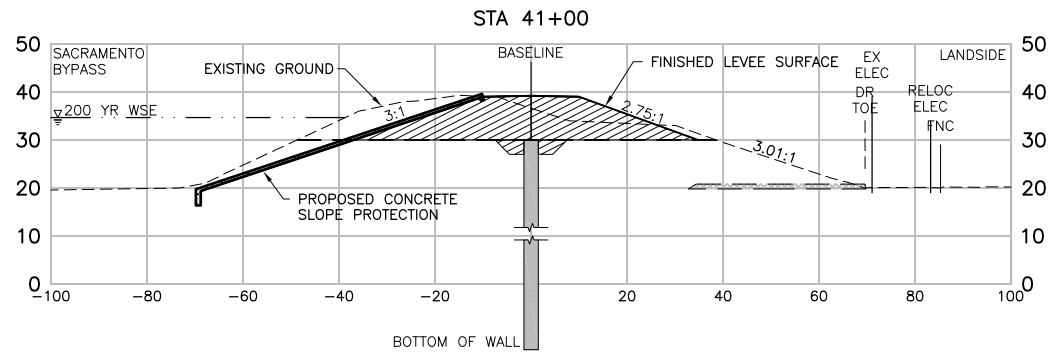
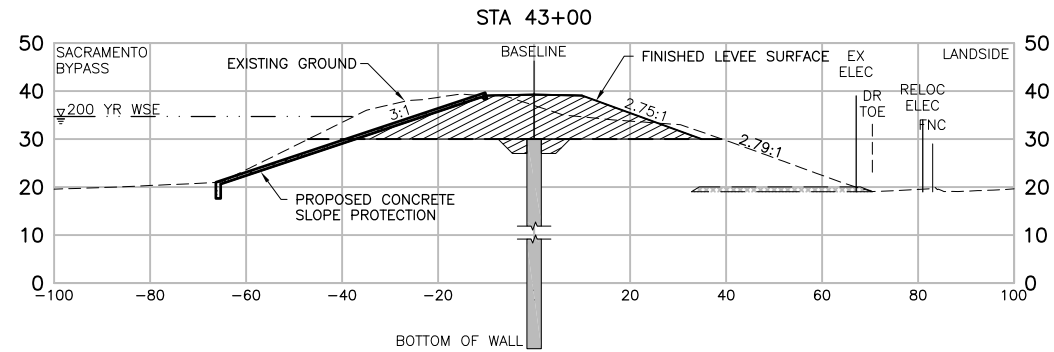
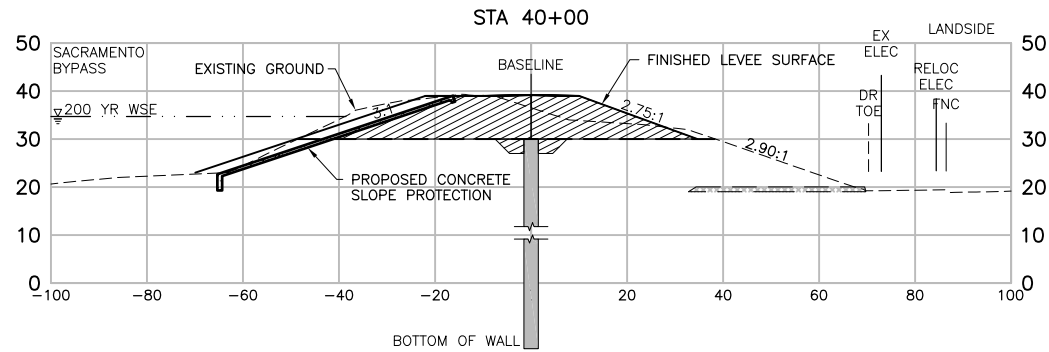
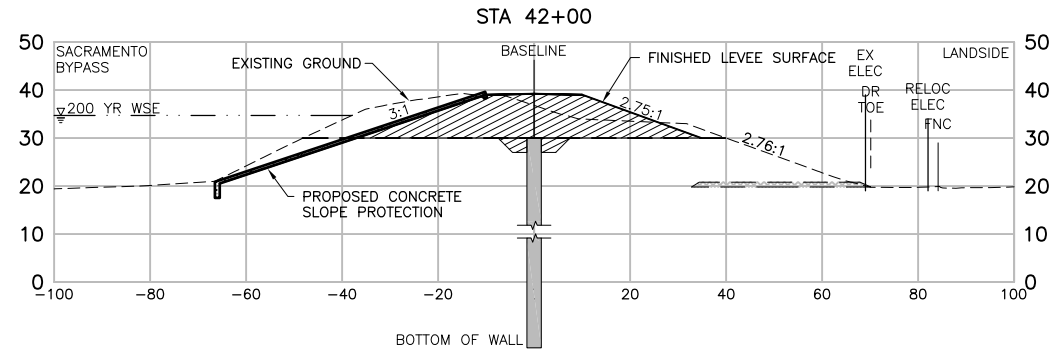
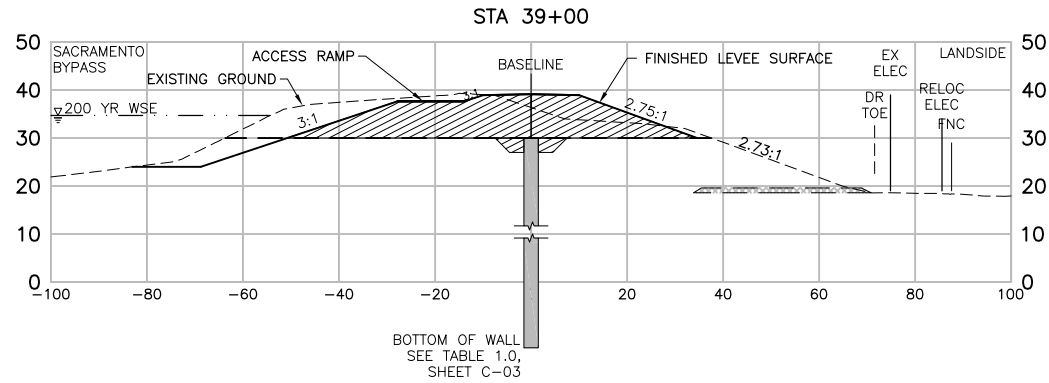
Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 33+90 to 38+60**

Date	APRIL 2011	Project No.	007436-68914-141	Drawing No.	C-29	Issue	X
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04-06-11 ACOLLINS 11:32:59

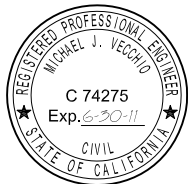


POWER POLE RELOCATION		05/05/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



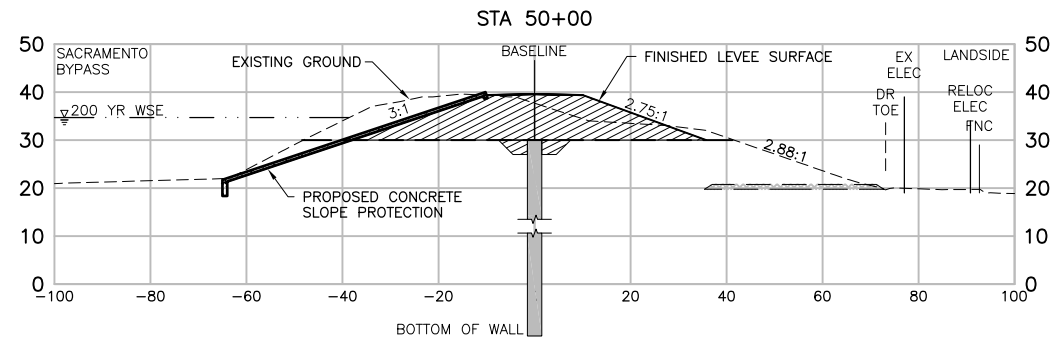
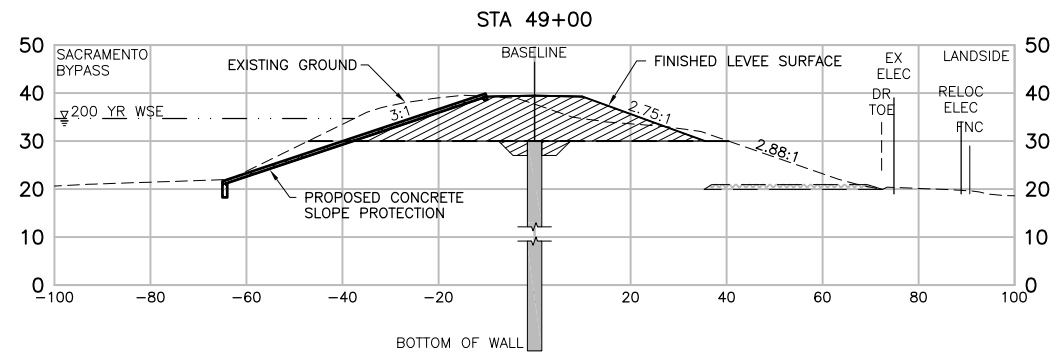
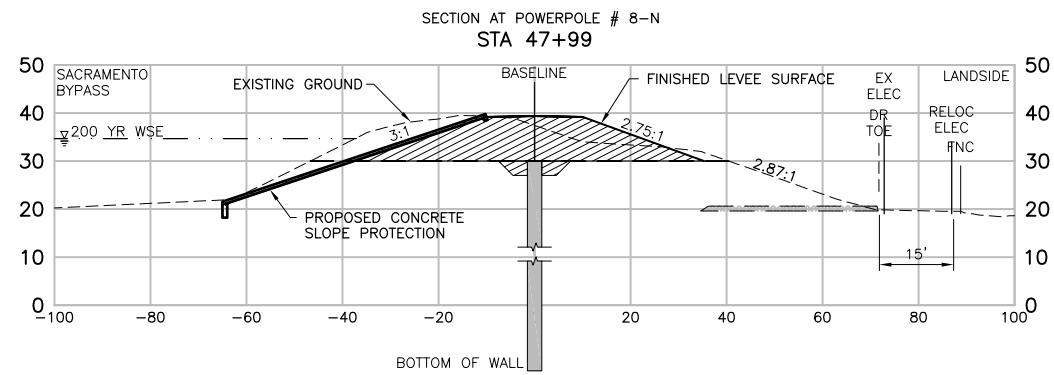
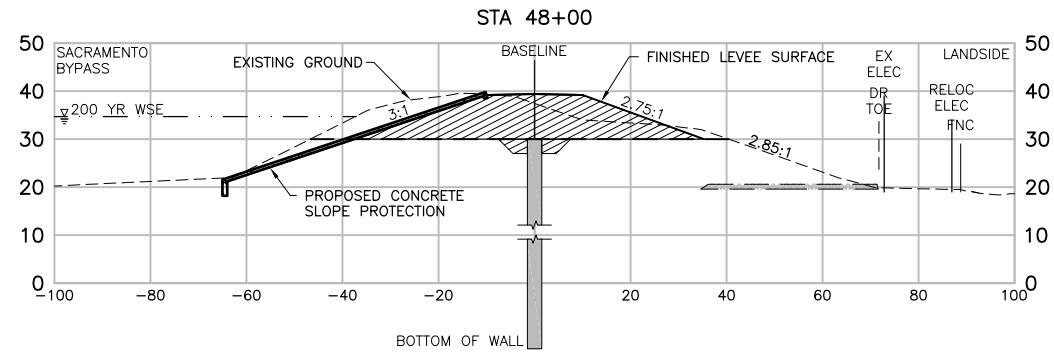
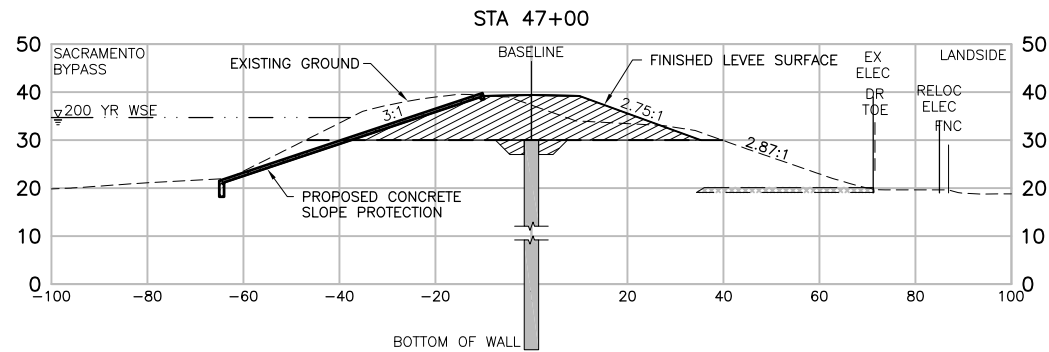
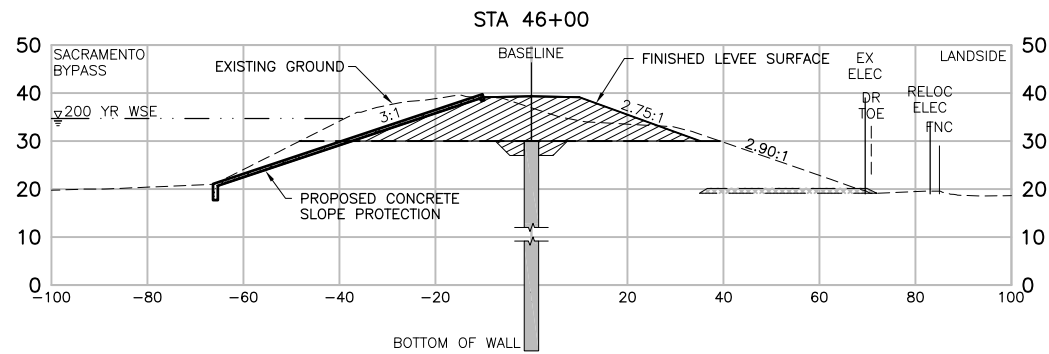
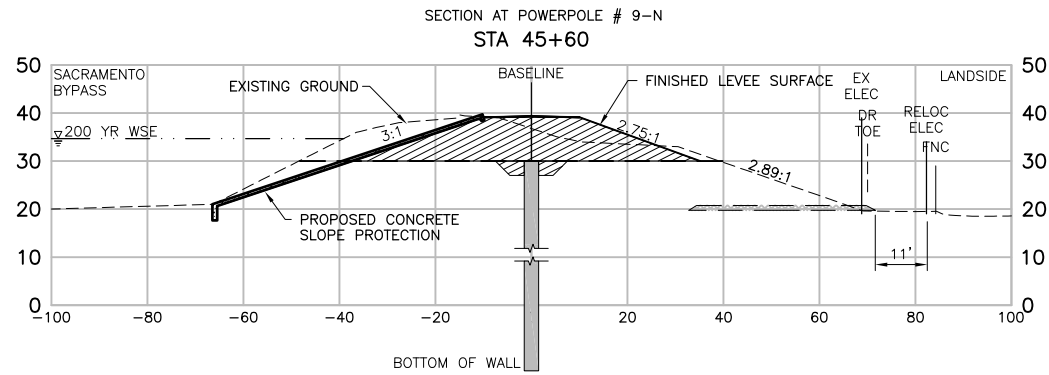
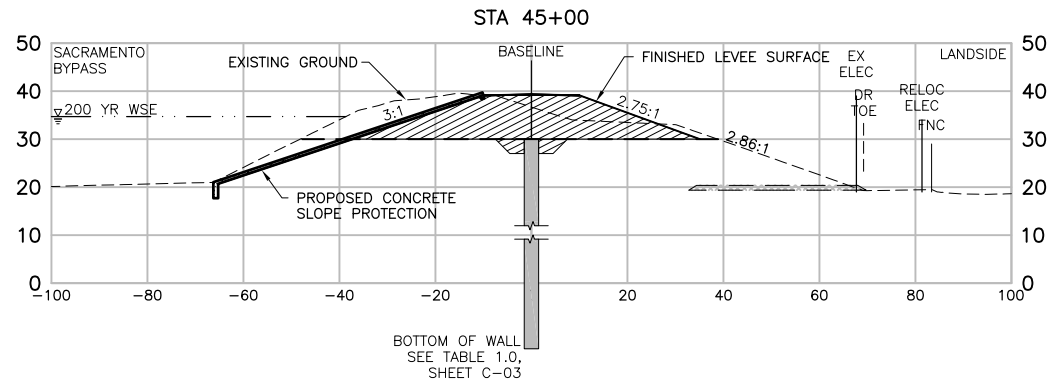
Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 39+00 to 44+00**

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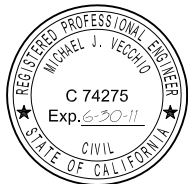
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POWER POLE RELOCATION		05/05/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88
VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



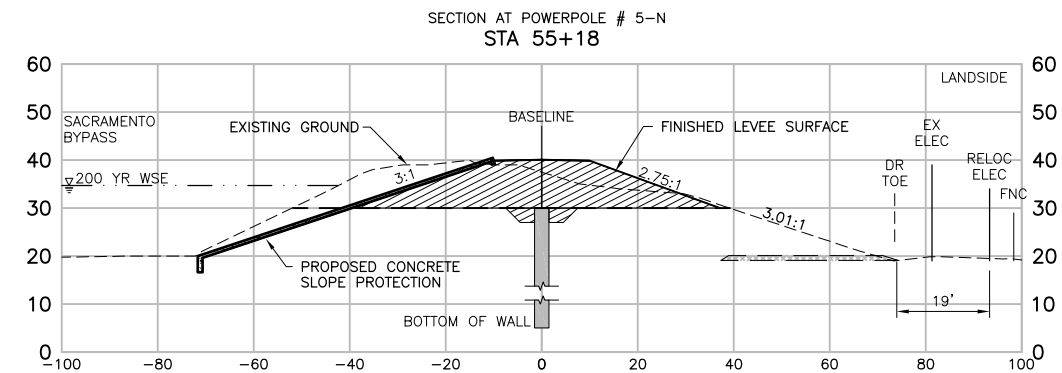
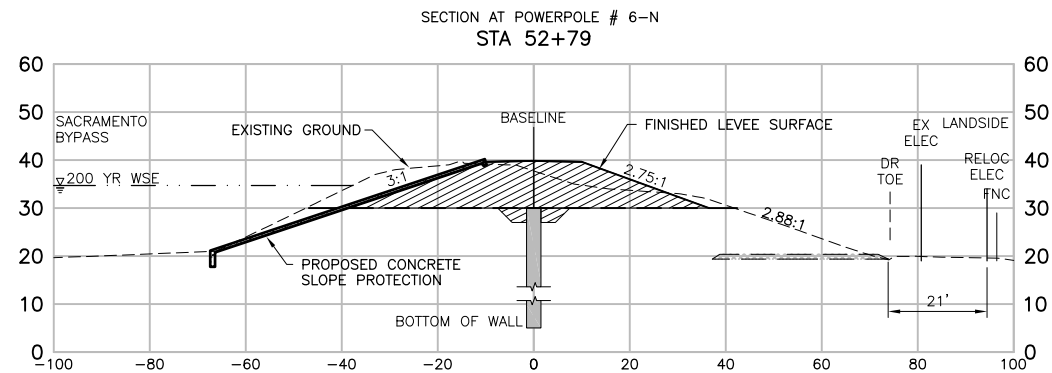
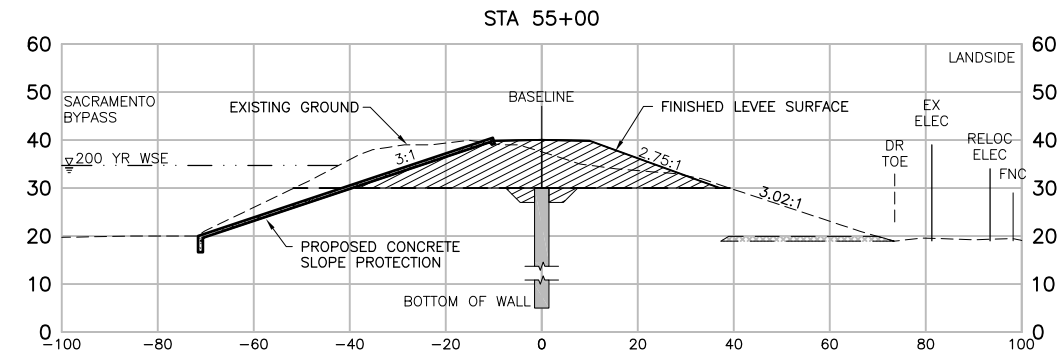
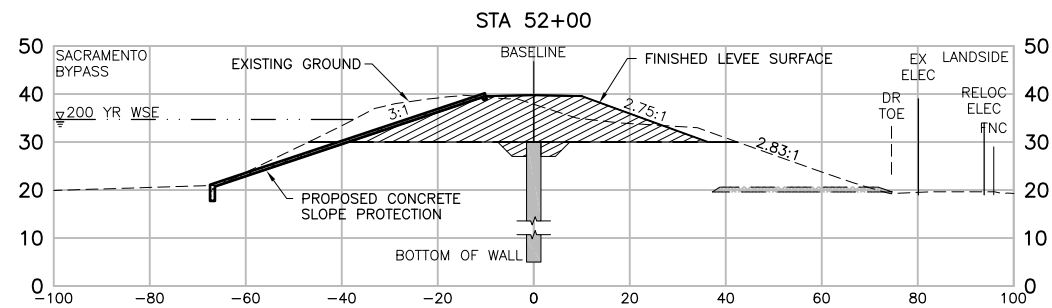
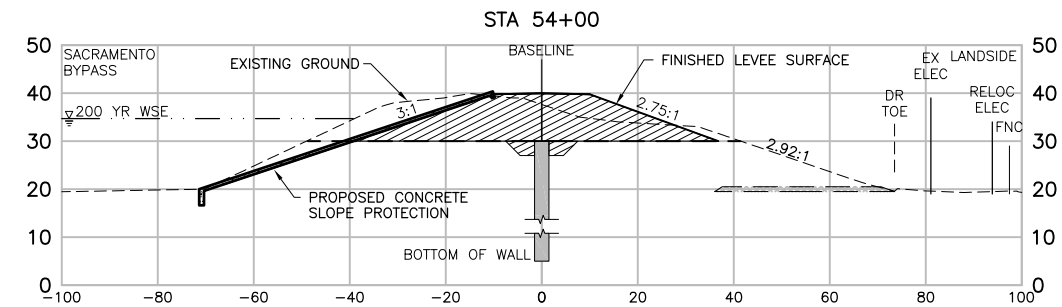
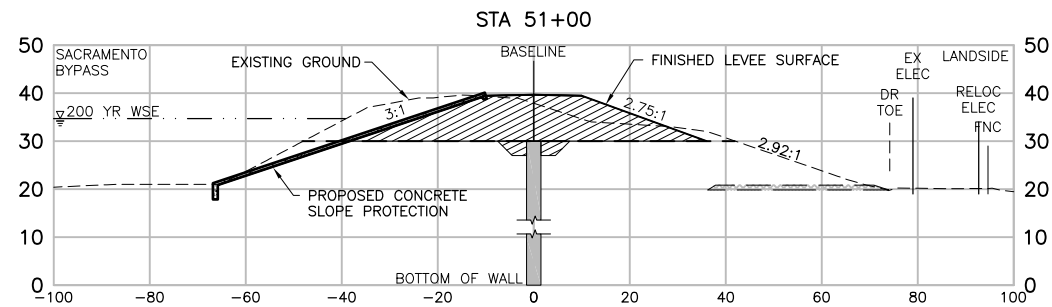
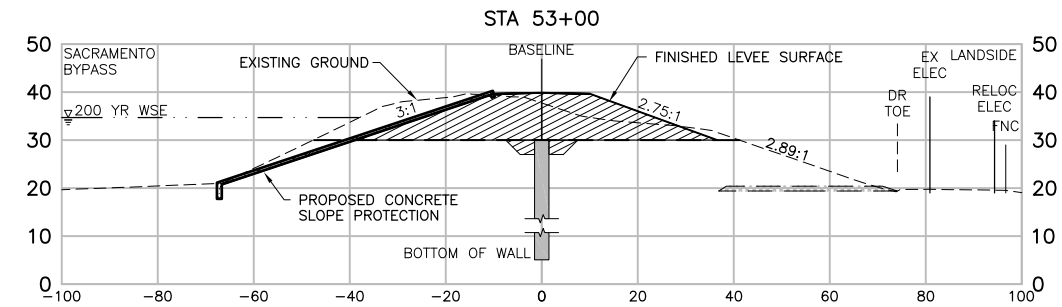
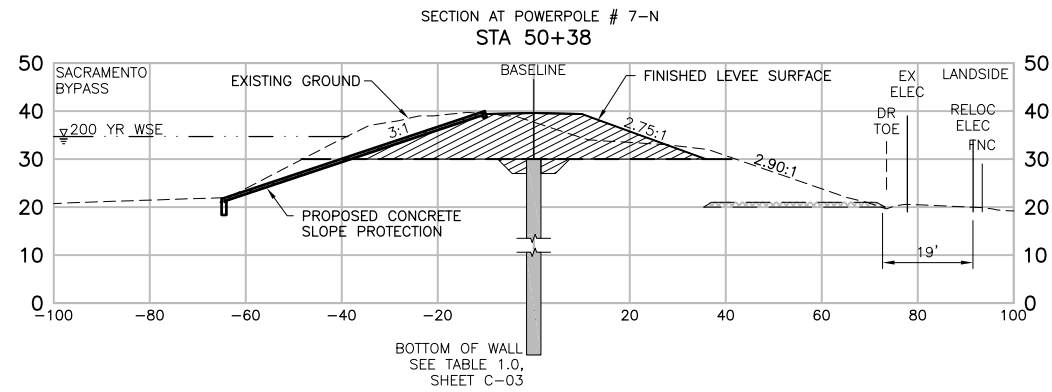
Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

**WEST SACRAMENTO EIP - C.H.P. ACADEMY
SACRAMENTO BYPASS
CROSS SECTIONS
STA 45+00 to 50+00**

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ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS CROSS SECTIONS STA 50+50 to 55+18			
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ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN			
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.			

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

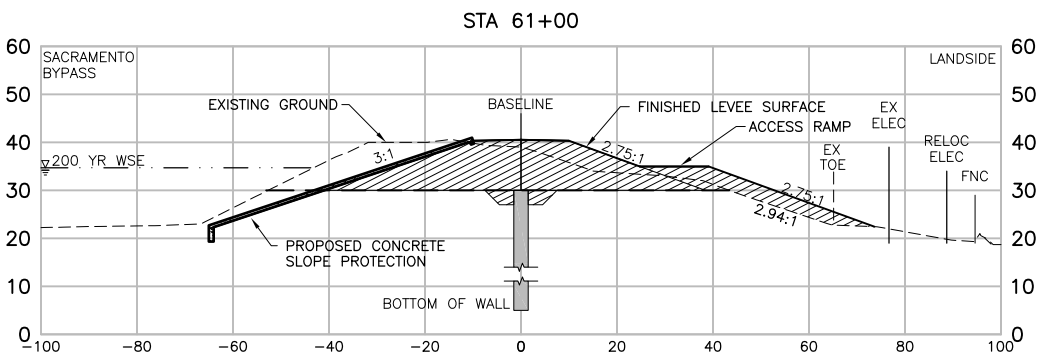
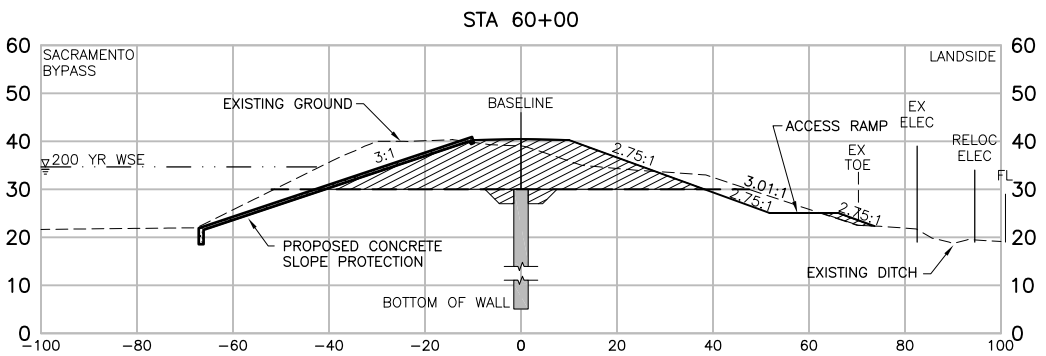
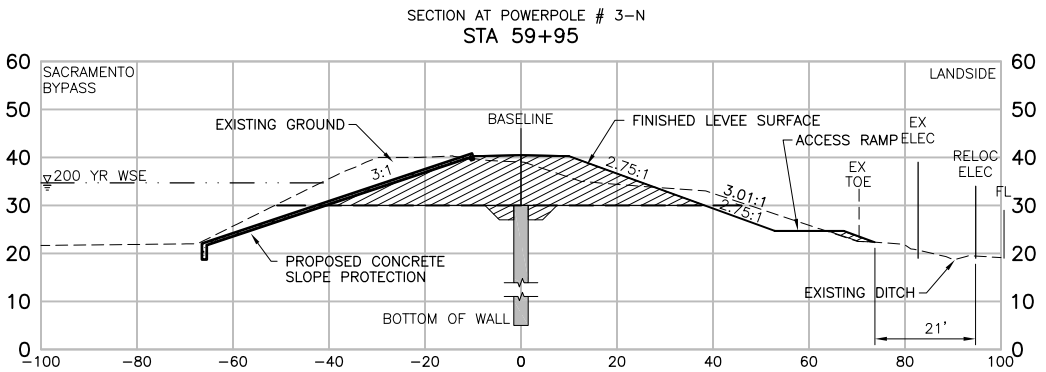
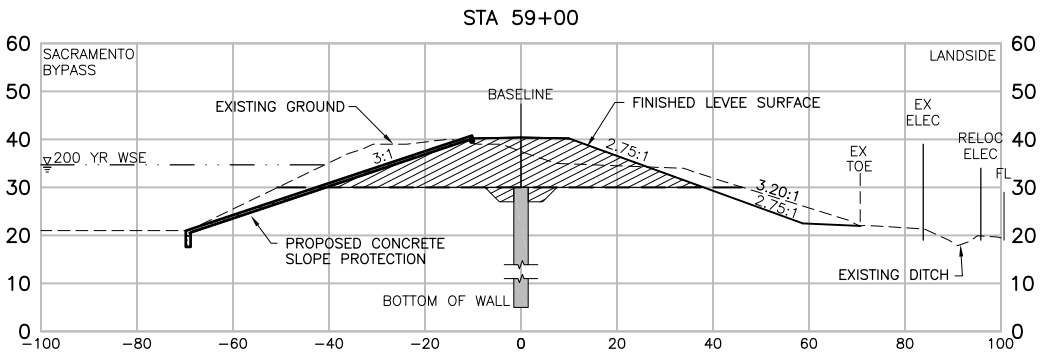
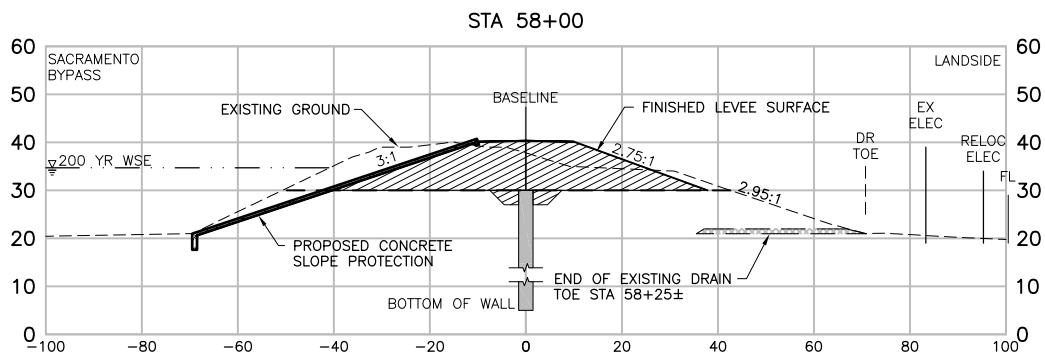
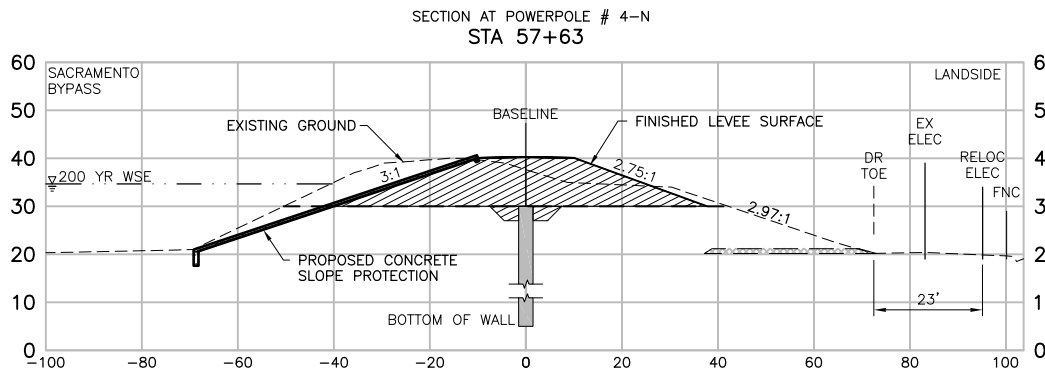
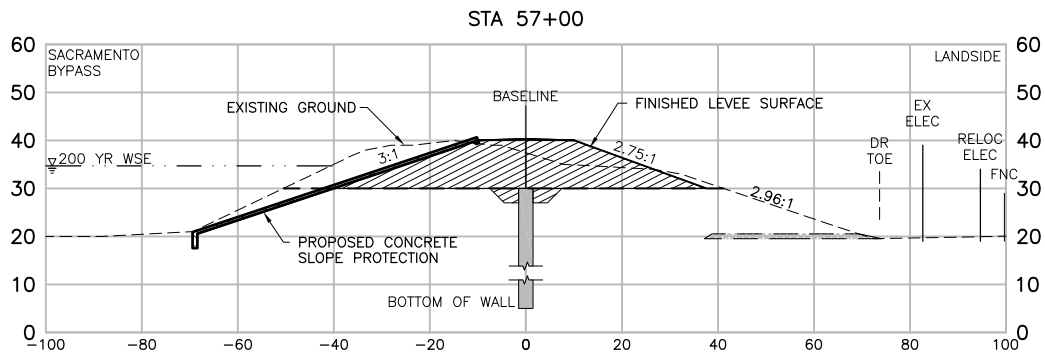
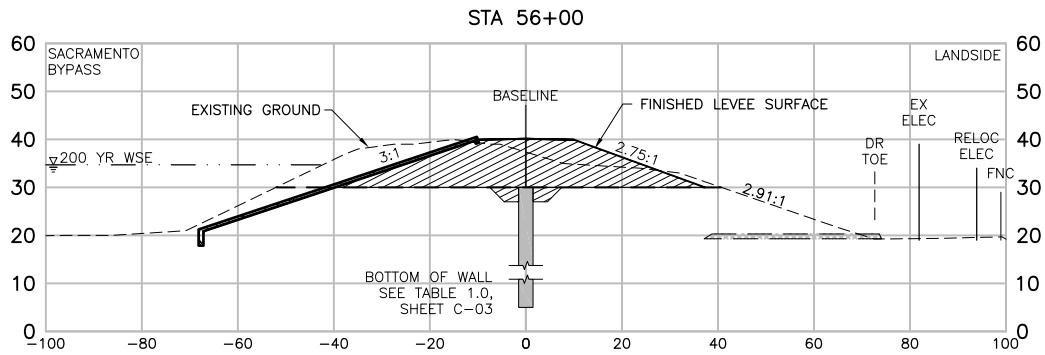
VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



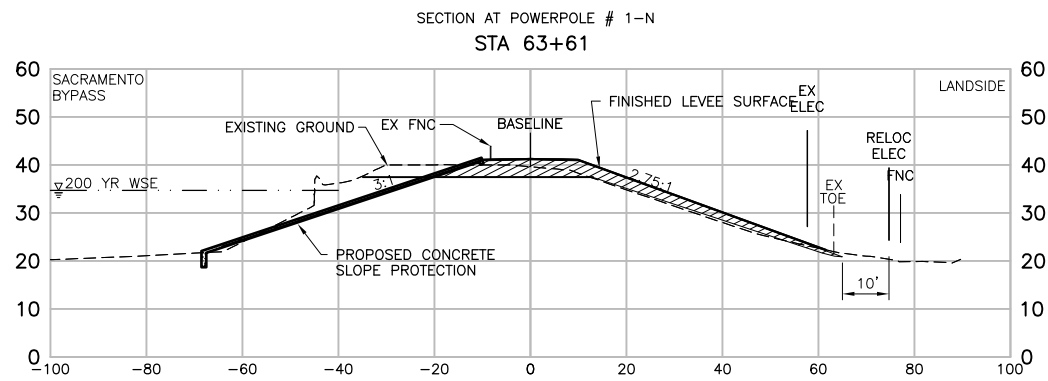
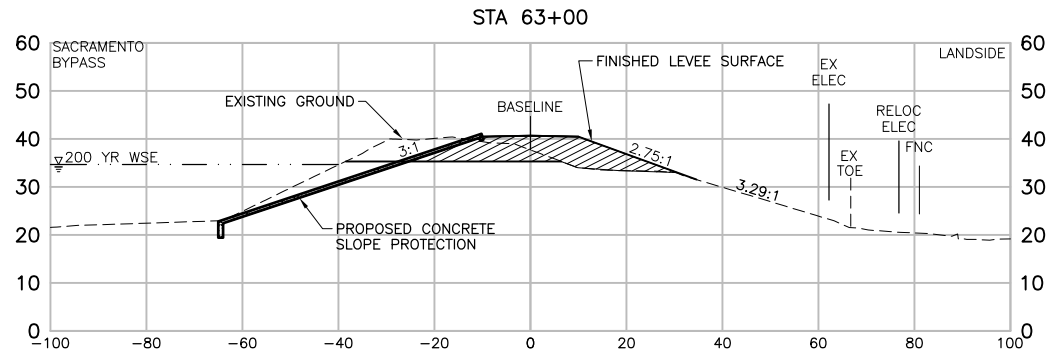
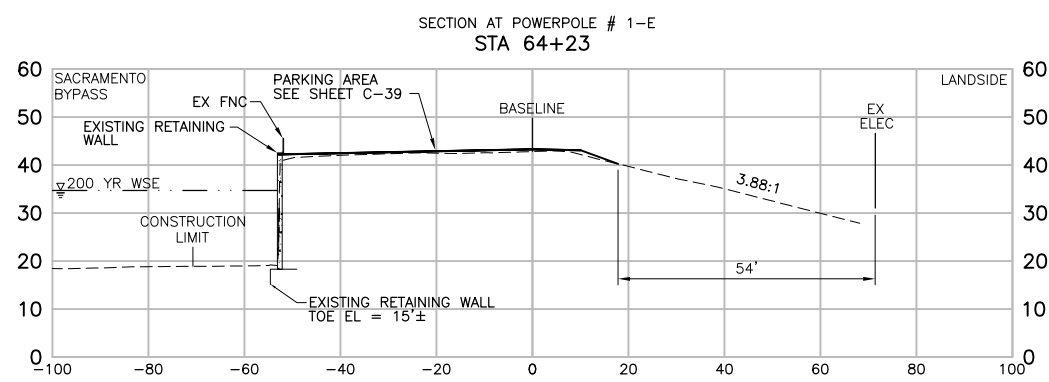
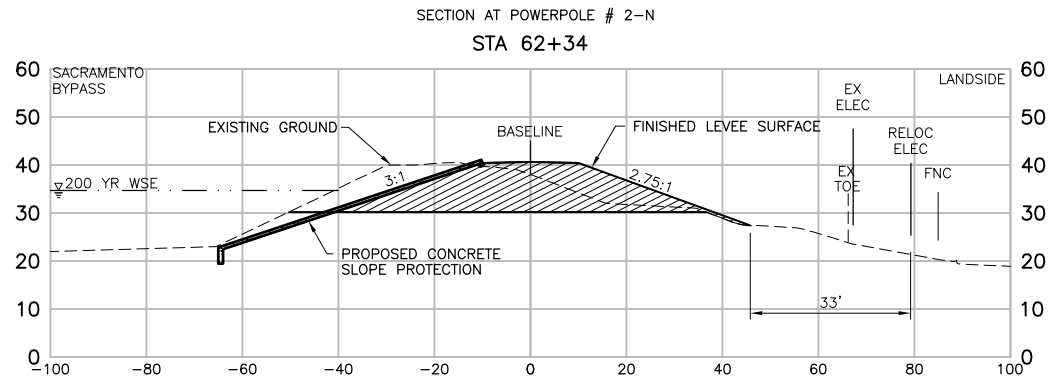
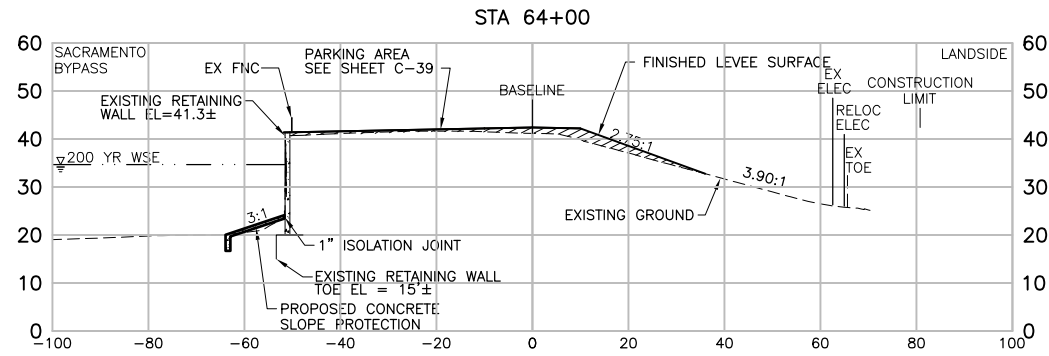
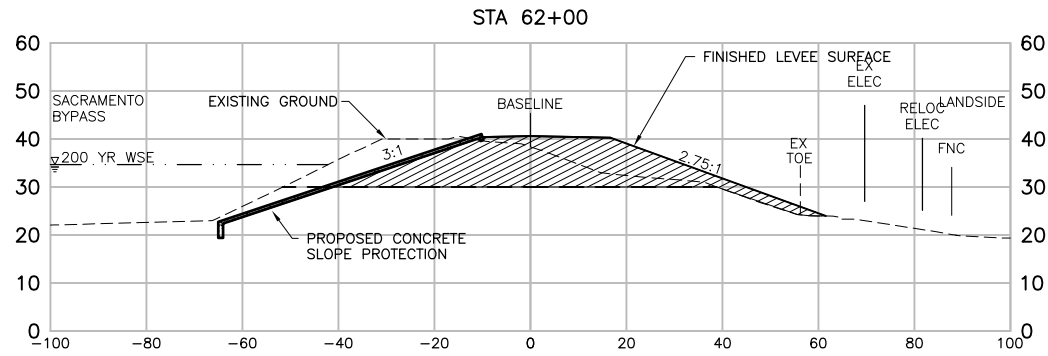
Project Manager	E. NAGY
Designed	M. VECCHIO
Designed	
Checked	J. HESS
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West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS CROSS SECTIONS STA 56+00 to 61+00			
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Scale	1" = 20'	File Name	61-01C-033.dwg
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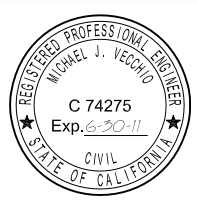


POWER POLE RELOCATION		05/06/11	ACC		MJV	EEN
ISSUED FOR BIDS		04/08/11	VFR	JGH	RCH/MJV	EEN
Issue No.	Description	Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.

HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2 (NAD 83)

VERTICAL DATUM IS NAVD 88

VERTICAL DATUM CORRECTION EQUATION:
NAVD 88 = NGVD29 + 2.6'



Project Manager	E. NAGY
Designed	M. VECCHIO
Checked	J. HESS
Drawn	V. RUSSO

West Sacramento Area Flood Control Agency
Levee Improvement Program
Early Implementation Project
C.H.P. Academy Site - Sacramento Bypass

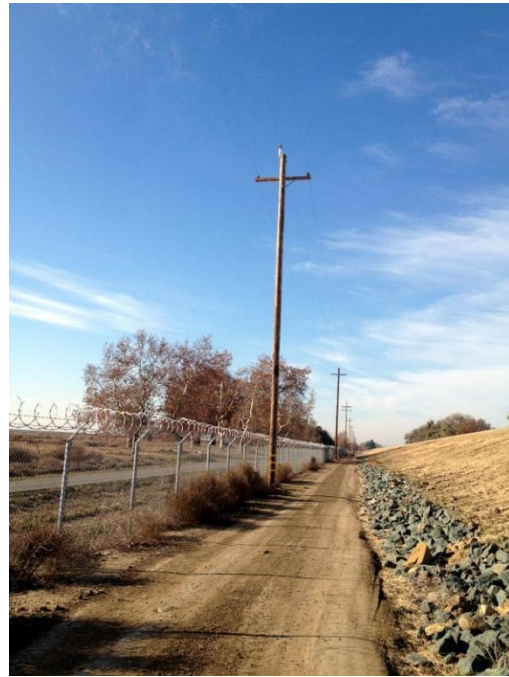
WEST SACRAMENTO EIP - C.H.P. ACADEMY SACRAMENTO BYPASS CROSS SECTIONS STA 62+00 to 64+30			
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Scale	1" = 20'	File Name	62-01C-034.dwg
Drawing No.	C-34	Issue	X

Attachment D:

Representative Photographs of Relocated Power Poles



Representative view of relocated power poles,
looking southeast.



Representative view of relocated power poles,
looking southeast.



Detail of backfilled soil surrounding relocated pole.



Representative photograph of vegetation removed
to accommodate power pole relocation.



Representative view of relocated transmission poles, looking northeast.



Representative view of cement slurry used to backfill hole resulting from pole relocation.

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

RESOLUTION NO. 2013-02

**FINDINGS AND DECISION AUTHORIZING ISSUANCE OF
ENCROACHMENT PERMIT NO. 18725**

**PACIFIC GAS AND ELECTRIC
UTILITY RELOCATION PROJECT, YOLO COUNTY**

WHEREAS, the West Sacramento Area Flood Control Agency (WSAFCA) proposed the West Sacramento Levee Improvement Program – CHP Academy and The Rivers Early Implementation Project (WSLIP), a comprehensive flood risk reduction program designed to provide a “200-year” level of flood protection to West Sacramento, and;

WHEREAS, the Central Valley Flood Protection Board (Board) previously approved Permit No. 18313-1 and made findings pursuant to the California Environmental Quality Act (CEQA) at the May 26, 2011 meeting for WSAFCA’s Early Implementation Project – CHP Academy to strengthen and/or raise approximately 6,200 linear-feet of project levee by constructing approximately 4,400 linear-feet of slurry cutoff wall; flatten the landside and waterside levee slopes by shifting the levee prism landward; place concrete, rip-rap, or seeded slope protection, and install piezometers along the left (south) bank levee of the Sacramento Bypass; and

WHEREAS, on September 23, 2011 the Board staff authorized WSAFCA to relocate twenty two Pacific Gas and Electric Company (PG&E) utility poles landward of the levee toe within the recently constructed WSLIP - CHP Academy Project. The relocation of the utility poles are minor components of the WSLIP project; and

WHEREAS, this authorization required PG&E to submit a separate encroachment permit application for the relocated poles; and

WHEREAS, PG&E submitted Application No. 18725 to the Board on August 22, 2012 to relocate the utility poles within the recently constructed WSLIP - CHP Academy Project. The relocation of the utility poles are minor components of the WSLIP project; and

WHEREAS, the project is located in West Sacramento, adjacent to the CHP Academy, north of I-80, Yolo County; and

WHEREAS, WSAFCA as lead agency under the California Environmental Quality Act, Public Resources Code sections 21000 *et seq.* (“CEQA”) prepared a Environmental Impact Report (EIR) on the West Sacramento Levee Improvement Program – CHP Academy and The Rivers Early Implementation Project (WSLIP) (SCH No. 2007102130, November 2007) and a

Mitigation Monitoring and Reporting Program (MMRP) (incorporated herein by reference and available at Board or WSAFCA offices); and

WHEREAS, On March 10, 2011, WSAFCA approved Resolution 11-03-01 for the West Sacramento Levee Improvement Program, the MMRP, and approved findings and a statement of overriding considerations pursuant to the CEQA Guidelines (incorporated herein by reference); and

WHEREAS, WSAFCA analyzed the relocation of utilities within the CHP Academy site in the EIR and MMRP; and

WHEREAS, on August 21, 2012, Reclamation District 537 endorsed application 18725; and

WHEREAS, The U.S. Army Corps of Engineers (USACE) comment letter was received on December 11, 2012 without objection to the proposed project subject to conditions, and that the letter has been incorporated it into the Permit as Exhibit A; and

WHEREAS, Board staff completed a technical review Permit Application No. 18725; and

WHEREAS, the Board conducted a public hearing on February 22, 2013 on Permit Application No. 18725 and has reviewed the reports of its staff, the documents and correspondence in its files, and the environmental documents prepared by WSAFCA and PG&E.

NOW, THEREFORE, BE IT RESOLVED THAT,

Findings of Fact

1. The 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. 2007102130, May 2010) and the FEIS/FEIR (SCH No. 2007102130, December 2010) on the CHP Academy Project, submitted by WSAFCA and has reached its own conclusions regarding them. Moreover, such changes or alterations are within the responsibility and jurisdiction of WSAFCA and such changes have been adopted by that agency.
4. The Board finds that the relocation of utility poles is within the scope of the previously adopted EIR and therefore constitutes a subsequent activity to the EIR. The Board further finds that no new environmental effects could occur and no new mitigation measures are

required pursuant to CEQA Guidelines section 15162. Therefore, no new environmental document is required pursuant to CEQA Guidelines section 15168.

5. **Custodian of Record** The custodian of the CEQA record for the Board is its Executive Officer, Jay Punia, at the Board offices at 3310 El Camino Avenue, Room 151, Sacramento, California 95821.

Considerations pursuant to Water Code section 8610.5

6. **Evidence Admitted into the Record.** The Board has considered all the evidence presented in this matter, including the original application for Permit Nos. 18725 and technical documentation provided by WSAFCA and PG&E on the West Sacramento Levee Improvement Program – CHP Academy and The Rivers Early Implementation Project proposed improvements, past and present Staff Reports and attachments, the original Environmental Impact Report on the West Sacramento Levee Improvements Program (Draft and Final Versions), and WSAFCA Resolution 11-03-01 including findings, Statement of Overriding Considerations, and 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.

7. **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.
8. **Effects on Facilities of the State Plan of Flood Control.** This project has no adverse effects on facilities of the State Plan of Flood Control, and is consistent with the adopted 2012 Central Valley Flood Protection Plan.
9. **Effects of Reasonably Projected Future Events.** There are no other foreseeable projected future events that would impact this project.

Other Findings/Conclusions regarding Issuance of the Permit.

10. Based on the foregoing and particularly on the evidence that the condition of the existing West Sacramento levees, prior to the beginning of construction of the West Sacramento Levee Improvements Program, poses an unacceptable risk to life and property, the Board finds and concludes that the issuance of Encroachment Permit No. 18725 for the relocation of utility poles is in the public interest.
11. This resolution shall constitute the written decision of the Board in the matter of Permit No. 18725.

Approval of Encroachment Permit No. 18725

12. Based on the foregoing the Central Valley Flood Protection Board hereby approves issuance of Encroachment Permit No. 18725 in substantially the form provided as Staff Report Attachment D.
13. The Board directs the Executive Officer to take the necessary actions to prepare and execute Encroachment Permit No. 18725 and all related documents, and to prepare and file a Notice of Determination pursuant to CEQA for relocation of 22 utility poles within the West Sacramento Levee Improvement Program – CHP Academy and The Rivers Early Implementation Project.

PASSED AND ADOPTED by vote of the Board on _____, 2013

William H. Edgar
President

Jane Dolan
Secretary