Meeting of the Central Valley Flood Protection Board June 28, 2013

Staff Report – Encroachment Permit

SAFCA, Natomas Levee Improvement Program Sacramento River East Levee Phase 1G and 2E Drainage Swale Grading Project, Sacramento County

<u>1.0 – ITEM</u>

Consider approval of Permit No. 18159-7-1 (Attachment B).

2.0 - APPLICANT

Sacramento Area Flood Control Agency (SAFCA)

3.0 - LOCATION

The project is located at the intersection of Garden Highway and Power Line Road along the Sacramento River East Levee at Station 639+50 (see Attachment A). The work is within the footprint of work conducted under Central Valley Flood Protection Board (Board) Permit No. 18159-7 for SAFCA's Sacramento River East Levee Phase 3 Improvement Project, Reaches 10 through 12B.

4.0 – DESCRIPTION

The project is a component of SAFCA's Sacramento River East Levee, Phase 1G and 2E Drainage Swale Grading Project.

The proposed drainage improvements include construction of two drainage inlets, one drainage outlet, associated piping, one drainage outfall, and rock slope protection between the new adjacent levee and Garden Highway (see Attachments A and D).

The following work is proposed under this permit:

- Existing temporary piping and rock slope protection placed during construction of the adjacent levee will be demolished and removed or abandoned in place per Drawing No. G-201, Drain 29 - Site Demolition along the waterside and landside of the existing adjacent levee and Garden Highway.
- Construction of a new inlet between the new adjacent levee and Garden Highway embankment, a new outlet on the waterside slope of Garden Highway, and a new inlet with rock slope protection at the waterside toe per Drawing No. C-404, Drain 29 - Improvements.
- A 24-inch reinforced concrete pipe (RCP) and a corrugated aluminized steel pipe (CASP) will extend between the inlets and the drainage outfall at the Sacramento River bank. The drainage outfall will be protected with rock slope protection around the outfall and along the bank slope.

The following Construction Drawings are applicable to this permit (Attachment D):

- G-001, Title Sheet and Location Map
- G-008, Key Map
- G-201, Drain 29 Site Demolition
- C-404, Drain 29 Plan and Profile
- C-405, Typical Drainage Details (1 of 2)
- C-406, Typical Drainage Details (2 of 2)

5.0 - PROJECT ANALYSIS

5.1 – Authority of the Board

- California Code of Regulations, Title 23, Division 1 (CCR 23), § 6, Need for a Permit
- CCR 23, § 106, Existing Encroachments within an Adopted Plan of Flood Control
- CCR 23, § 112, Streams Regulated and Nonpermissible Work Periods
- CCR 23, § 116, Borrow and Excavation Activities Land and Channel
- CCR 23, § 120, Levees
- CCR 23, § 121, Erosion Control
- CCR 23, § 123, Pipelines, Conduits, and Utility Lines
- CCR 23, § 124, Abandoned Pipelines and Conduits

Board staff finds that the overall design of the proposed project is in compliance with CCR 23 standards as described in Sections 5.2 and 5.3 below.

5.2 - Hydraulic Analysis

The proposed work along Garden Highway at Powerline Road is on both landside and waterside of the levee. Board permit No. 18159-7 approved construction of drainage structures designed to handle a 25-year storm event. However, the existing and newly proposed drainage extensions will handle a 100-year storm event without failing the levee.

Board staff reviewed the proposed replacement and partial abandonment of the existing 10-inch diameter drainage pipeline with a new 24-inch diameter drainage line, and determined that the proposed improvements will have no adverse hydraulic impacts to the as-built drainage features or other facilities of the Sacramento River Flood Control Project.

5.2.1 – Drainage Pipes

Two types of drain pipes are proposed on the waterside of the levee:

24-inch diameter reinforced concrete pipe (RCP) with controlled low strength material (CLSM) encasement 6-inches above and below the pipe.

CCR 23 § 123(g)(6) (A), (B), (C), (D) will apply

- (A) RCP meets ASTM C76-90. OK
- (B) Pipe joints are encased in concrete. OK
- (C) The cylinders are welded. OK
- (D) The pipe is encased above the springline (the mid-point) in undisturbed soil. OK

24 -inch diameter corrugated aluminized steel pipe (CASP), 14 gauge with field-applied bituminous external coating.

CCR 23 § 123(g)(7) will apply as modified

- (1) The CASP pipe is outside the levee prism. OK
- (2) The 20-foot section of pipe is non-jointed except at the connection with the RCP. OK
- (3) The pipe is corrosion proof due to the bituminous external coating. OK
- (4) The steel pipe will not be externally loaded due to its location at the hinge point. OK
- (5) The pipe is designed for 14-gauge steel. CCR 23 requires 7-gauge within the levee prism. The location of this pipe is outside the levee prism and unloaded, therefore Board staff concurs with the specified lesser gauge steel.

5.3 – Geotechnical Analysis

Structural and Geotechnical impacts are negligible for the proposed work.

The proposed volume of excavated material is 319 cubic yards which is a minor quantity for a project of this size and scope. Material stockpile areas will be kept to a minimum size and duration along the landside of the existing adjacent levee. Excess material will be stockpiled in Disposal Area – 3, located east of the project site.

Board staff reviewed the design plans and agrees with the applicant's conclusion that the proposed project will result in no significant adverse geotechnical impacts to the Sacramento River floodway or levees. All project work will be done in a manner that will not pose a threat to the structural integrity of the Sacramento River Flood Control Project. Earthwork will be completed in compliance with the conditions of Draft Permit No. 18159-7-1 (Attachment B) and CCR 23 Standards.

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 <u>has not been received</u> 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 A.
- Reclamation District 1000 endorsed this application on January 23, 2013, subject to conditions, which are incorporated into the permit as <u>Exhibit B</u> (see Attachment B, <u>Exhibit B</u>).

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 Program Environmental Impact Report (EIR) (SCH No. 2009032097, August 2009) on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project prepared by the lead agency, SAFCA. SAFCA determined that the project

would have a significant effect on the environment and adopted Resolution 09-156 dated November 13, 2009 (which includes a Statement of Facts, Findings, and Mitigation Measures, Statement of Overriding Considerations, and Mitigation Monitoring and Reporting Program). These documents including project design and SAFCA resolutions may be viewed or downloaded from the Board's website at http://www.cvfpb.ca.gov/meetings/2013/06-28-2013.cfm under a link for this agenda item. The documents are also available for review in hard copy at the Board and SAFCA offices.

The Board previously approved construction of Reaches 10 through 12B of the NLIP Landside Improvements Project on September 23, 2010 through Permit No. 18159-7 and Resolution 2010-44 and made appropriate CEQA findings. The Board finds that the proposed drainage swale grading project is within the scope of the previously adopted Program 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.

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

8.0 – SECTION 8610.5 CONSIDERATIONS

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

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

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

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

- 3. Effects of the decision on the 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:
 - Since the proposed project does not impair the structural or hydraulic functions of the Sacramento River, the project has no adverse effect on facilities of the State Plan of Flood Control, and is consistent with the adopted 2012 Central Valley Flood Protection Plan.
- 4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

There are no foreseeable projected future events that would impact this project.

9.0 – LAND RIGHT-OF-WAY CONCRENS

The applicant is not required to acquire any new rights of way to construct the project. All work will be performed within the limits of construction of the previously permitted project (Permit No. 18159-7).

10.0 – STAFF RECOMMENDATION

Staff recommends that the Board adopt Resolution 2013-15 which:

- adopts the CEQA findings,
- approves the permit in substantially the form provided, conditioned upon receipt of a U.S. Army Corps of Engineers comment letter indicating that the District Engineer has no objection to the project, subject to conditions, and
- directs the Executive Officer to take the necessary actions to execute the permit and all related documents, and file a Notice of Determination with the State Clearinghouse.

11.0 - LIST OF ATTACHMENTS

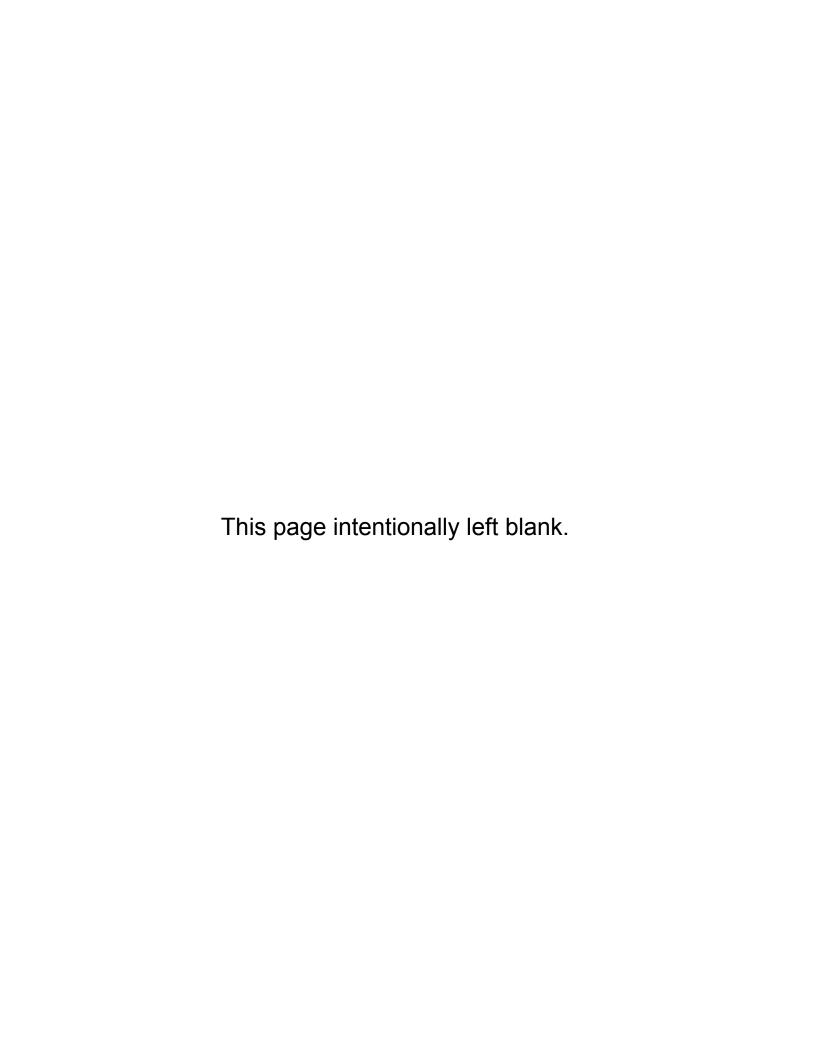
- A. Vicinity and Location Maps
- B. Draft Permit No. 18159-7-1
 - Exhibit A: USACE Comment Letter (placeholder)
 - Exhibit B: RD 1000 Endorsement
- C. Board Resolution 2013-15
- D. Drain 29 Site Demolition and Plan

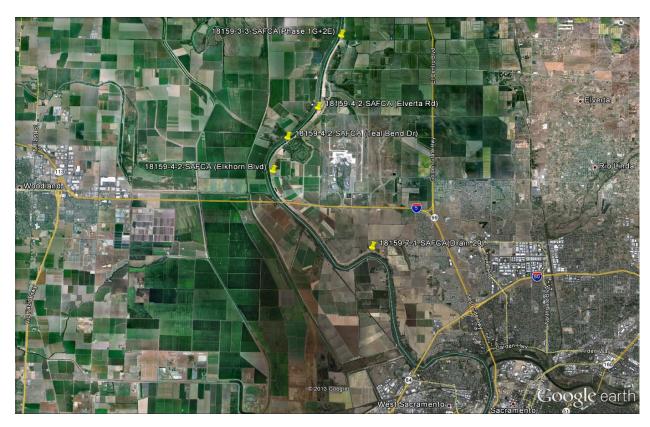
Technical Review: Sungho Lee, Engineer

Environmental Review: Andrea Mauro, Environmental Scientist
Document Review: David R. Williams, PE, Projects Section Chief

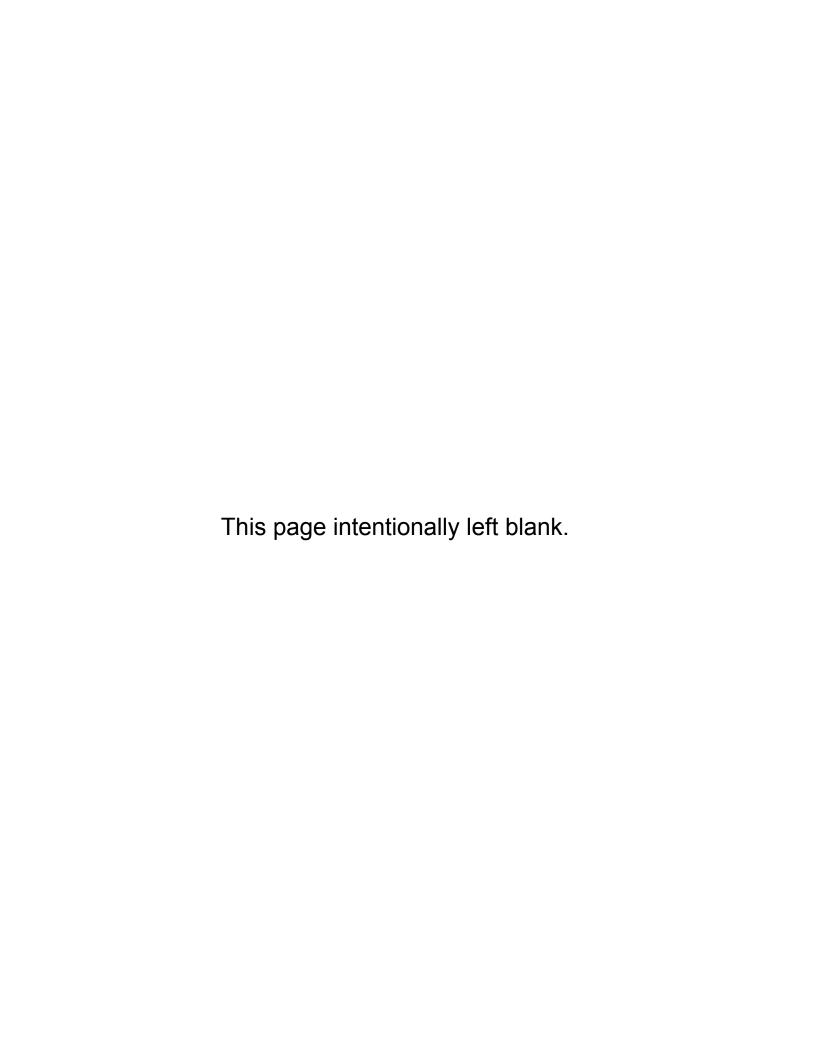
Eric Butler, PE, Projects and Environmental Branch Chief

Len Marino, PE, Chief Engineer









DRAFT

STATE OF CALIFORNIA THE RESOURCES AGENCY

THE CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 18159-7-1 BD

This Permit is issued to:

Sacramento Area Flood Control Agency (SAFCA) 1007 7th Street, 7th Floor Sacramento, California 95814

The project is a component of SAFCA's Sacramento River East Levee, Phase 1G and 2E Drainage Swale Grading Project. The work includes construction of two (2) drainage inlets, one (1) drainage outfall on the Garden Highway waterside slope, associated piping, and rock slope protection at the outfall on the waterside slope.

The project is located in the vicinity of the intersection of Garden Highway and Power Line Road along the Sacramento River east levee. The work is within the footprint of the work conducted under Board Permit No. 18159-7 for SAFCA's Sacramento River East Levee Phase 3 Improvement Project, Reaches 10 through 12B (Section 6, T 9N, R4E, MDB&M, Reclamation District 1000, Sacramento River, Sacramento County).

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

as described above.

(SEAL)		
Dated:		
	Evacutive 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.

Attachment B, Draft Permit

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. 18159-7-1 BD

LIABILITIES / IMDEMNIFICATION

THIRTEEN: 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.

FOURTEEN: 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.

FIFTEEN: The Central Valley Flood Protection Board and Department of Water Resources shall not be held liable for any damages to the permitted encroachment(s) resulting from flood fight, operation,

maintenance, inspection, or emergency repair.

EASEMENT, LICENSE OR TEMPORARY ENTRY PERMIT

SIXTEEN: If the construction project extends onto land owned in fee and/or easement by the Sacramento and San Joaquin Drainage District acting by and through the Central Valley Flood Protection Board (hereafter Board), the permittee should secure an easement, license, or temporary entry permit from the Board prior to commencement of work. Contact Angelica Aguilar at (916) 653-5782.

PERMITTING AND AGENCY CONDITIONS

SEVENTEEN: The permittee shall comply with all conditions set forth in the letter from the Department of Army (U.S. Army Corps of Engineers, Sacramento District) dated xxxx, which is attached to this permit as Exhibit A and is incorporated by reference.

EIGHTEEN: 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.

NINETEEN: The permittee shall comply with all conditions set forth in the letter from Reclamation District 1000 dated January 23, 2013, which is attached to this permit as Exhibit B and is incorporated by reference.

PRE-CONSTRUCTION

TWENTY: The permittee shall contact the Board by telephone at (916) 574-0609, and the Board's Construction Supervisor at (916) 574-2646 to schedule a preconstruction conference. Failure to do so at least 20 working days prior to start of work may result in delay of the project.

TWENTY-ONE: 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 an existing federal flood control project that will be incorporated into the Sacramento River Flood Control Project, a facility of the State Plan of Flood Control.

TWENTY-TWO: The permittee shall provide construction supervision and inspection services acceptable to the Board.

CONSTRUCTION

TWENTY-THREE: All work approved by this permit shall be in accordance with the submitted six drawings (Drawings G-001, G-008, G-201, C-404 through 406). No other drawings will be considered under this permit. 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.

TWENTY-FOUR: No excavation shall be made or remain in the levee section during the flood season from November 1 to April 15 without prior approval of the Central Valley Flood Protection Board.

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

TWENTY-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 shall have side slopes no steeper than 1 horizontal to 1 vertical. Flatter slopes may be required to ensure stability of the excavation.

TWENTY-SEVEN: The fill surface areas shall be graded to direct drainage away from the toe of the levee.

TWENTY-EIGHT: At all times during construction, at least one lane of the levee crown roadway shall be kept clear for vehicular access.

TWENTY-NINE: The permittee shall ensure that all pipe joints are watertight.

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

CONSTRUCTION MATERIALS

THIRTY-ONE: CCR 23 Section 123(g)(6) (A), (B), (C), (D) will apply for 24-inch diameter Reinforced Concrete Pipe (RCP) with Controlled Low Strength Material (CLSM) encasement 6-inch above and below the pipe and CCR 23 Section 123(g)(7) will apply for 24-inch diameter Corrugated Aluminized Steel Pipe (CASP), 14 gauge with bituminous coating.

THIRTY-TWO: Abandoned pipes within the levee section shall be removed from the levee section or completely filled with concrete in accordance with Central Valley Flood Protection Board standards. A detailed plan for filling the abandoned pipe with concrete shall be submitted to and approved by the Central Valley Flood Protection Board prior to commencing work.

THIRTY-THREE: Concrete backfill for abandoned pipes shall be at least a 3-sack cement mix with 6-to 8-inch slump and all aggregate smaller than the 3/8-inch sieve. Only the minimum pressure needed to fill the pipe with concrete shall be applied.

THIRTY-FOUR: In the event the abandoned pipe becomes exposed due to erosion, the permittee shall repair the erosion or remove the abandoned pipe as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

VEGETATION / ENVIRONMENTAL MITIATION

THIRTY-FIVE: The mitigation measures approved by the CEQA lead agency and the permittee are found in its Mitigation Monitoring and Reporting Program adopted by the CEQA lead agency. The permittee shall implement all such mitigation measures.

CONSTRUCTION COMPLETION

THIRTY-SIX: Upon completion of the project, the permittee shall submit a final completion letter and

as-built drawings to the Central Valley Flood Protection Board, 3310 El Camino Avenue, Suite 151, Sacramento, California 95821 and Department of Water Resources, Flood Project Inspection Section, 3310 El Camino Avenue, Suite 256, Sacramento, California 95821.

OPERATIONS AND MAINTENANCE

THIRTY-SEVEN: 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.

THIRTY-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 Central Valley Flood Protection Board, Department of Water Resources, or any other agency responsible for maintenance.

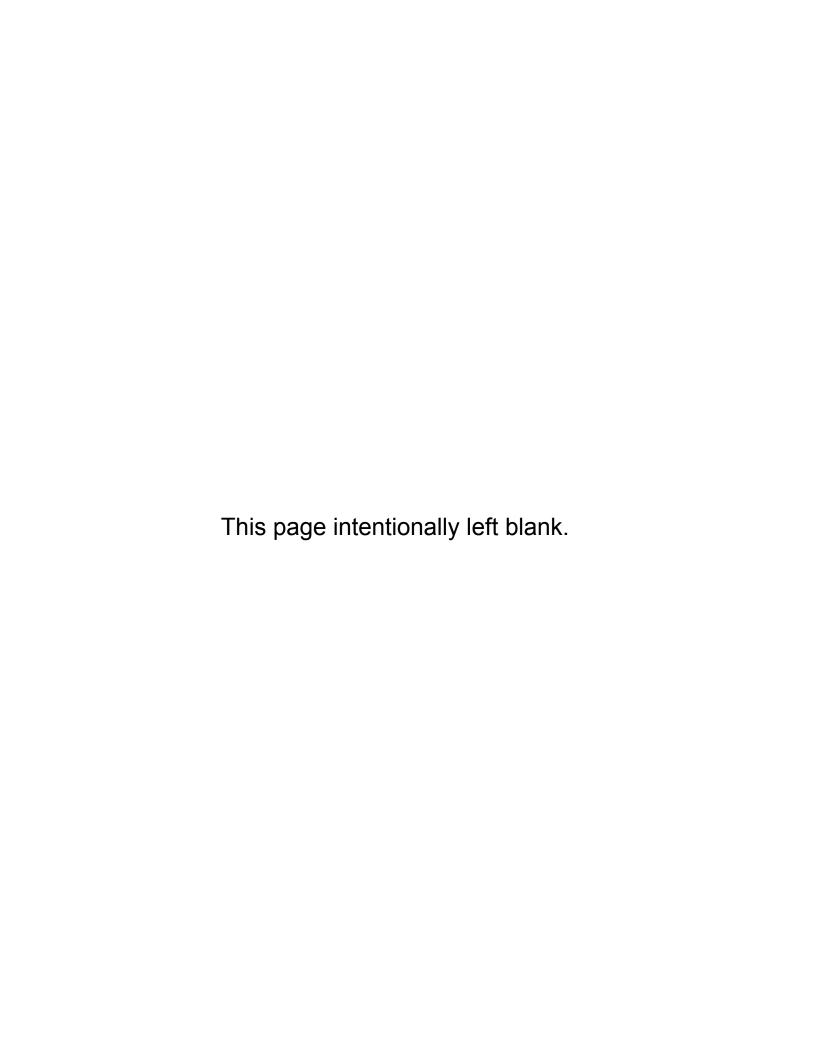
THIRTY-NINE: The permitted encroachment(s) shall not interfere with operation and maintenance of the flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the flood control project to interfere, the permittee shall be required, 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.

PROJECT ABANDONMENT, CHANGE IN PLAN OF FLOOD CONTROL

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

FORTY-ONE: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

END OF CONDITIONS





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

Flood Protection and Navigation Section

SAMPLE

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

Dear Mr. Punia:

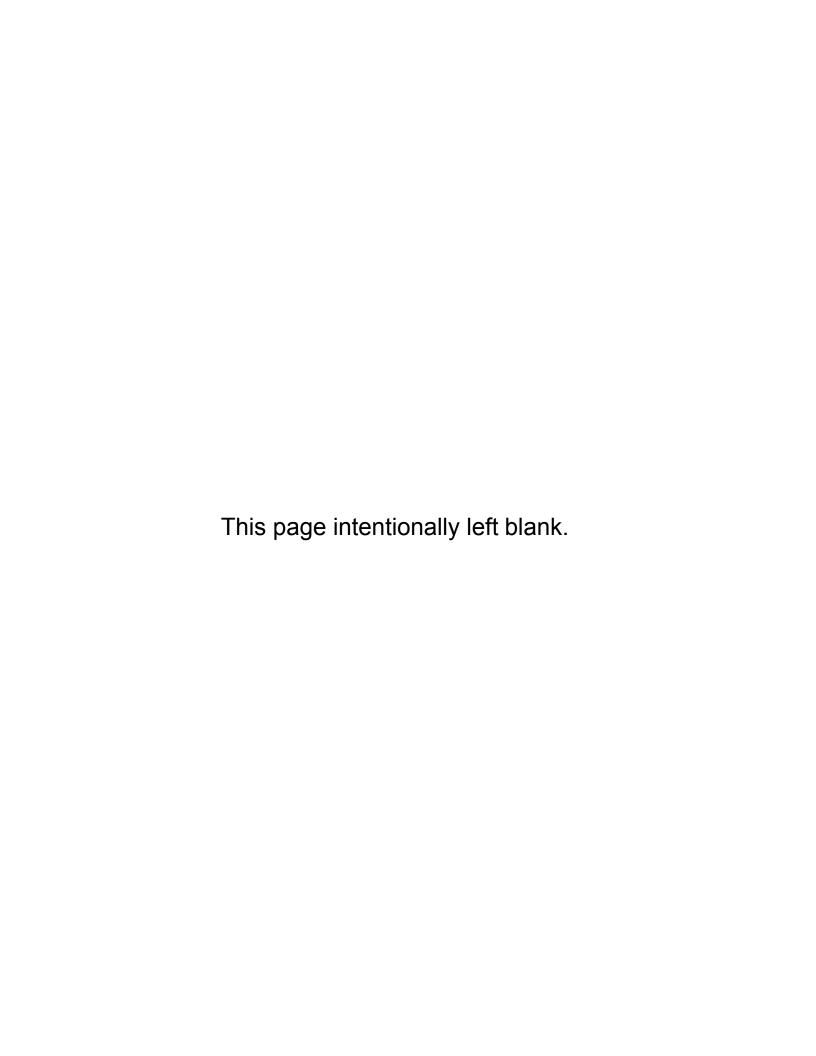
The Corps' comment letter for this encroachment permit application is anticipated soon.

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

Sincerely

Meegan G. Wagy, P.E.

Chief, Flood Protection and Navigation Section



State of California

ATTACHMENT B, EXHIBIT B - LETTER OF ENDORSEMENT

Application No. _

DEPARTMENT OF WATER RESOURCES
CENTRAL VALLEY FLOOD PROTECTION BOARD

California Natural Resources Agency

APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

 Description of proposed work: The project is known as the "Sacramento River East Levee Phase 1G and 2E Drainage Swale Grading Project, Contract 4155", it is a component of the Natomas Levee Improvement Program. The work proposed for coverage under this permit includes the construction of 2 drainage inlets, a drainage outfall, and associated piping between the new adjacent levee and Garden Highway just downstream of the intersection with Power Line Road. County, in Section See Attachment A , 2. Location: Sacramento (N) (S), Range See Attachment A (W), M. D. B. & M. Township: See Attachment A Sacramento Area Flood Control Agency of 1007 7th Street, 7th Floor Name of Applicant 95814 (916) 874-7606 Sacramento Telephone Number Zip Code City (916) 874-8289 Fax Number 4. Endorsement: (of Reclamation District) We, the Trustees of Reclamation District No. 1000 Name and District Number approve this plan, subject to the following conditions: Conditions Attached ☐ No Conditions Conditions listed on back of this form Trustee 5. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If add ional space is required, list names and addresses on back of the application form or an attached sheet. See Attachment A Name Address Zip Code



RECLAMATION DISTRICT 1000

Permit Conditions

Permit Application No. 18159-7-1

Location: Sacramento River (East Levee) Phase 1G and 2E Drainage Swale

Grading Project Contract 4155 SAFCA Natomas Levee

Improvement Project (Approx RM 74.7 to RM 70.0)

Applicant: Sacramento Area Flood Control Agency (SAFCA)

Description: Drainage Outfall Structure near Powerline Road

CONDITIONS:

- Maintenance of all encroaching structures, facilities, vegetation or any other items or matters approved under this permit shall remain the responsibility of the Permittee until accepted by the District or transferred to Sacramento County.
- 2. Permittee shall obtain all necessary permits and regulatory approvals for the proposed work.
- 3. Permittee shall coordinate with the District in the preparation of the project plans and specifications and with any modifications thereto. District shall review and approve final plans and specifications prior to construction and shall also review and approve all proposed modifications to the approved project plans and specifications prior to their construction. Field fitting improvements shall be approved by the District in the field.
- 4. Work on the levee or within the Sacramento River shall be done outside of the flood season (November 1 to April 15) unless otherwise approved by the Central Valley Flood Protection Board and the District.
- Permittee shall acquire necessary right of way for the improvements and convey said rights to the District for operation and maintenance of the flood control features the District is to operate and maintain to the satisfaction of the District.
- Permittee shall restore the levee, access roads, gates, fences and other associated flood control facilities to the satisfaction of the District upon completion of the work or prior to flood season.

 In event of an emergency, Permittee shall immediately restore the levee and access to the satisfaction of the District. 		

Resolution No. 2010-02

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

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

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

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

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

NOW, THEREFORE BE IT RESOLVED:

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

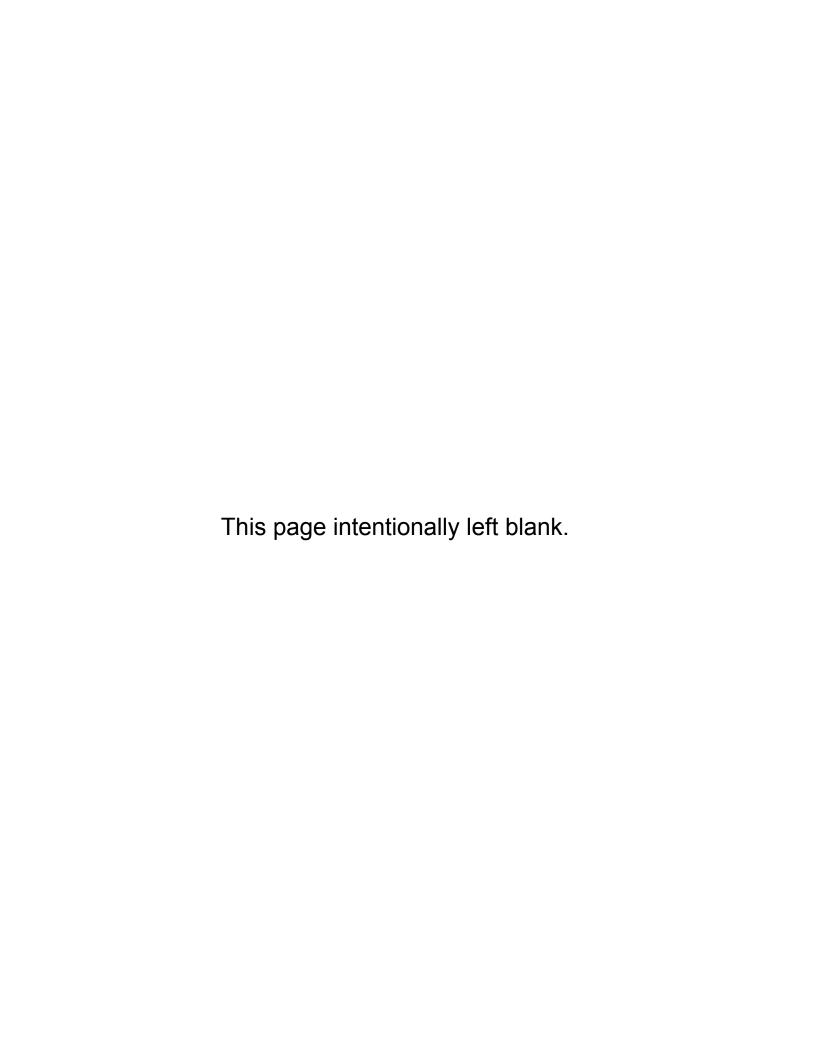
Those permit applications which are not routine in nature, present policy issues or are likely to be controversial shall be brought to the Board for consideration and action at which time the Board may delegate signature authority to the General Manager if approved. This will include all permit applications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

CERTIFICATION

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

errie Figueroa

District Secretary



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

RESOLUTION NO. 2013-15

FINDINGS AND DECISION AUTHORIZING ISSUANCE OF ENCROACHMENT PERMIT NO. 18159-7-1

SACRAMENTO AREA FLOOD CONTROL AGENCY SACRAMENTO RIVER EAST LEVEE REACHES 10 THROUGH 12B DRAINAGE SWALE GRADING PROJECT, SACRAMENTO COUNTY

WHEREAS, the Sacramento Area Flood Control Agency (SAFCA) proposed the Natomas Levee Improvement Program (NLIP), a comprehensive flood risk reduction program designed to provide a "200-year" level of protection to the Natomas Basin, and;

WHEREAS, the Central Valley Flood Protection Board (Board) approved Permit No. 18159-7 and made findings pursuant to the California Environmental Quality Act (CEQA) at the September 23, 2012 meeting for SAFCA's Sacramento River East Levee (SREL), NLIP Phase Phase 4a Landside Improvements Project to construct a combination of adjacent levee, seepage cutoff wall, seepage berm, reinforced concrete floodwall, drainage structures and outfalls through the existing Garden Highway Levee, and construction grading for related pumping plants along Reaches 10 through 12B by SAFCA designation of the existing left (east) bank levee of the Sacramento River; and

WHEREAS, SAFCA submitted Application No. 18159-7-1 to the Board on February 6, 2013 to construct drainage improvements including two (2) drainage inlets, a drainage outfall, and associated piping between the new adjacent levee and Garden Highway just downstream of the intersection with Power Line Road; and

WHEREAS, SAFCA as lead agency under the California Environmental Quality Act, Public Resources Code sections 21000 *et seq*. ("CEQA") prepared a Program Environmental Impact Report (EIR) on the Natomas Levees Improvement Program (NLIP), Phase 4a Landside Improvements Project (SCH No. 2009032097, August 2009) and a Mitigation Monitoring and Reporting Program (MMRP) (incorporated herein by reference and available at Board or SAFCA offices); and

WHEREAS, on November 13, 2009, SAFCA approved Resolution 09-156 for the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project, the MMRP, and approved findings and a statement of overriding considerations pursuant to the CEQA Guidelines (incorporated herein by reference); and

WHEREAS, SAFCA analyzed the grading and drainage improvements within Reaches 10 through 12B in the EIR and MMRP; and

WHEREAS, on January 23, 2013, Reclamation District 1000 endorsed application 18159-7-1; and

WHEREAS, the U.S. Army Corps of Engineers (USACE) approval has not been received for Permit Application No. 18159-7-1. Board staff anticipates the USACE approval of the project, subject to conditions, and upon receipt of the approval letter, staff will review to ensure conformity with the permit language and incorporate it into Permit 18159-7-1; and

WHEREAS, Board staff completed a technical review Permit Application No. 18159-7-1; and

WHEREAS, the Board conducted a public hearing on June 28, 2013 on Permit Application No. 18159-7-1 and has reviewed the reports of its staff, the documents and correspondence in its files, and the environmental documents prepared by SAFCA.

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 Board, as a responsible agency, has independently reviewed the analyses in the Program EIR on the NLIP Phase 4a Landside Improvements Project EIR (SCH No. 2009032097, August 2009), the MMRP on the NLIP Phase 4a Landside Improvements Project, and the SAFCA findings, and has reached its own conclusions regarding them.
- 4. The Board finds that the proposed drainage swale grading project is within the scope of the previously adopted Program EIR and therefore constitute 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. <u>Custodian of Record</u> 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. 18159-7-1 and technical

documentation provided by SAFCA on the NLIP Phase 4a Landside Improvements Project proposed improvements, past and present Staff Reports and attachments, the original Environmental Impact Report on the Natomas Levee Improvement Program, Phase 4a Landside Improvements Project (Draft and Final Versions), and SAFCA Resolution 09-156 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 Natomas levees, prior to the beginning of construction of the NLIP Landside Improvements Project, posed an unacceptable risk to life and property, the Board finds and concludes that the issuance of Encroachment Permit No. 18159-7-1 for installation of drainage swale grading project is in the public interest.
- 11. This resolution shall constitute the written decision of the Board in the matter of Permit No. 18159-7-1.

Approval of Encroachment Permit No. 18159-7-1

- 12. Based on the foregoing the Central Valley Flood Protection Board hereby approves issuance of Encroachment Permit No. 18159-7-1 in substantially the form provided as Staff Report Attachment B, conditioned upon receipt of a U.S. Army Corps of Engineers comment letter indicating that the District Engineer has no objection to the project, subject to conditions.
- 13. The Board directs the Executive Officer to take the necessary actions to prepare and execute Encroachment Permit No. 18159-7-1 and all related documents, and to prepare and file a Notice of Determination pursuant to CEQA for the drainage swale grading project, minor appurtenant components of the Natomas Levee Improvement Program, Phase 4a Improvements Project.

PASSED AND ADOPTED by vote of the Board on	, 2013
William H. Edgar President	
Jane Dolan Secretary	

TITLE SHEET AND LOCATION MAP

G-001

SACRAMENTO AREA FLOOD CONTROL AGENCY

PROJECT PLANS FOR CONSTRUCTION OF

NATOMAS LEVEE IMPROVEMENT PROGRAM

SACRAMENTO RIVER EAST LEVEE
PHASE 1G AND 2E IMPROVEMENT PROJECT

VOLUME 2

SACRAMENTO RIVER EAST LEVEE PHASE 1G AND 2E DRAINAGE SWALE GRADING PROJECT



