

**SUBMITTAL TO THE FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM: 11.10
(ID # 13635)

MEETING DATE:

Tuesday, October 20, 2020

FROM: FLOOD CONTROL DISTRICT:

SUBJECT: FLOOD CONTROL DISTRICT: Review and Determine That Emergency Conditions Continue and There is a Need to Continue the Apple Fire and El Dorado Emergency Actions; Receive and File the Report of the Apple Fire and El Dorado Fire Emergency Actions in the Areas of Cherry Valley, Highland Springs, Banning Canyon, Mias Canyon and Banning Bench in Unincorporated Riverside County and the Cities of Beaumont and Banning; Receive and File the Emergency Protection Agreement between the Riverside County Flood Control and Water Conservation District and Granite Construction Company for Emergency Contract Work on the Emergency Protection Project, Nothing Further is Required Under CEQA, District 5. [\$219,422 – 100% District Funds] (4/5 vote required)

RECOMMENDED MOTION: That the Board of Supervisors:

1. Find that nothing further is required pursuant to the California Environmental Quality Act ("CEQA") for the Emergency Actions by the Riverside County Flood Control and Water Conservation District ("District") as it relates to the Apple Fire and El Dorado Fire, because these actions are exempt under CEQA as detailed in the Notice of Exemption approved by the Board of Supervisors on October 6, 2020 (Agenda Item No. 11.4);
2. Review and determine that emergency conditions continue and there is a need to continue the Apple Fire and El Dorado Fire Emergency Actions ("Emergency Actions");
3. Receive and file the report of the Emergency Actions taken without solicitation of bids, as authorized by California Public Contract Code Section 22050 and Resolution No. F94-39;

ACTION: Policy, 4/5 Vote Required

Jason Uhley, GENERAL MGR-CHF FLD CNTRL ENG

10/7/2020

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Hewitt, seconded by Supervisor Jeffries and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
Nays: None
Absent: None
Date: October 20, 2020
xc: Flood

Kecia R. Harper
Clerk of the Board

By:
Deputy

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4. Receive and file the Emergency Protection Agreement between the District and Granite Construction Company for emergency contract work on the Emergency Protection Project ("Emergency Project") without solicitation of bids, as authorized by California Public Contract Code Section 22050 and Resolution No. F94-39; and
5. Authorize the use of District funds in the amount of \$219,422 for the Emergency Actions.

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 219,422	\$ 0	\$ 219,422	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS:			Budget Adjustment: No	
District Funds - 100% (See Additional Fiscal Information)			For Fiscal Year: 20/21	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

In the event of an emergency, California Public Contract Code Section 22050 and the District's Resolution No. F94-39, adopted by the Board of Supervisors on November 22, 1994 (Agenda Item No. 9.4), delegates to the General Manager-Chief Engineer the authority to repair or replace a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services and supplies for those purposes without giving notice for bids to let contracts.

The Fires

- Apple Fire
 - Date of Origin: July 31, 2020
 - Location: Oak Glen/Cherry Valley
 - Size: Over 33,000 acres in the Counties of Riverside and San Bernardino
 - The Riverside County Board of Supervisors adopted Resolution No. 20120-190 on August 4, 2020 (Agenda Item No. 3.73) proclaiming the existence of a "Local Emergency" in Riverside County.
 - Governor Gavin Newsom declared a statewide emergency due to wildfires burning throughout the state, including the Apple Fire on August 18, 2020.

- El Dorado Fire
 - Date of Origin: September 5, 2020
 - Location: Yucaipa Ridge area, West Oak Glen, San Bernardino Mountains
 - Size: Over 22,000 acres, within the County of San Bernardino and portions of the County of Riverside
 - An emergency proclamation for San Bernardino County due to the El Dorado Fire was issued by Governor Gavin Newsom on September 6, 2020.

The burn areas of the two fires include the steep terrain and canyons that drain toward the areas of Cherry Valley, Highland Springs, Banning Canyon, Mias Canyon and Banning Bench in

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Unincorporated Riverside County and the cities of Beaumont and Banning ("Post-Fire Risk Area"). The fires have burned several canyons, which can produce dangerous mud and debris flows and increase the risk of flooding in populated areas during the upcoming rainy season. The District's existing facilities in the area – including but not limited to Noble Creek, Little San Geronio Creek, Highland Springs Channel, Banning Levee and Cabazon Channel – provide flood protection for much of the adjacent communities during large storm events. However, due to the vast burn area in the canyons, these facilities have a high potential to receive significant levels of mud and vegetative debris from the burnt watershed during storm events. Debris flows and/or blockage of or damage to the flood control facilities could result in a critical threat to life and property in the adjacent communities in the Post-Fire Risk Area.

With localized thunderstorms (which have a probability to trigger mud and debris flows in the burn area) forecasted within the Apple Fire and El Dorado Fire burn areas, the General Manager-Chief Engineer, in accordance with California Public Contract Code Section 22050 and the District's Resolution No. F94-39, found that the emergency will not permit a delay in the implementation of the Emergency Actions resulting from a competitive solicitation for bids. As the burn areas of the two fires overlap at the eastern perimeter of the El Dorado Fire and the western perimeter of the Apple Fire and affect some of the same watersheds, the District has grouped the two fires into the same response.

On September 15, 2020 (Agenda Item No. 11.2) and October 6, 2020 (Agenda Item No. 11.4), the Board of Supervisors made motions to (i) receive and file the Emergency Actions, (ii) authorize the use of District funds for the Emergency Actions and (iii) determine the need to continue the Emergency Actions.

The District has taken the following additional Emergency Actions:

Current Emergency Actions

- Purchased stormwater barrier bags; and
- Retained one contractor (Granite Construction Company) on an emergency basis to help implement the Emergency Project in the Post Fire Risk Area.

Total costs associated with these Emergency Actions are \$219,422. In this action, the District is requesting Board approval for authorization to use District funds for these necessary costs. It is requested that the Board of Supervisors review and determine that emergency conditions continue and determine there is a need to continue the Emergency Actions.

In addition to the Emergency Actions, the District:

- Has initiated proactive maintenance and enhancement of District facilities, including Noble Creek, to prepare for expected impacts from flooding, mud and debris events; and
- Is continuing to evaluate potential emergency projects that may be needed to restore existing District facilities in the Post Fire Risk Area after flood, mud or debris events; and
- Is identifying agencies that the District may need to partner with to facilitate emergency mitigation actions to protect or enhance District infrastructure; and

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- Is continuing to coordinate with and provide data to the United States Forest Service's Burn Area Emergency Response Team and CALFire Watershed Emergency Response Team, who are responsible for assessing the severity of the burn, identifying areas at risk and subsequently providing the rainfall frequency thresholds that would trigger mud or debris flow within the impacted canyons; and
- Is continuing to coordinate with the Riverside County Emergency Management Department to provide information to guide the development of the Concept of Operations plan that will coordinate information sharing, public communication, and coordinated multi-agency preparation and response to events; and
- Is sharing information with local agencies to assist them with the preparation of their community outreach and individual mitigation and response activities for the coming winter.

Environmental Analysis

Nothing further is required because the Emergency Actions are exempt under CEQA as detailed in the Notice of Exemption ("NOE") approved by the Board of Supervisors on October 6, 2020 (Agenda Item No. 11.4). The Board of Supervisors recognized the Apple Fire as a local emergency on August 4, 2020. The Governor declared a state of emergency for the wildfires burning statewide, including the Apple Fire, on August 18, 2020 and the El Dorado Fire on September 6, 2020. Therefore, no further analysis is required under CEQA.

Prev. Agn. Ref.: 9.4 of 11/22/94
 MT#13394 11.2 of 09/15/2020
 MT#13542 11.4 of 10/06/2020

Impact on Residents and Businesses

The conditions in the burn areas of the fires have left the communities in the Post-Fire Risk Area vulnerable to flooding and mud flows during storm events. In the event of a storm, the Post-Fire Risk Area may be negatively impacted if these measures are not taken to protect the communities.

SUPPLEMENTAL:

Additional Fiscal Information

A summary of the Emergency Actions and costs are listed below:

<u>Contractor/Vendor Name</u>	<u>Emergency Action Description</u>	<u>Cost</u>
1. HESCO Bastion	Purchase Stormwater Barrier Bags	\$19,421.50
2. Granite Construction Company	Emergency Protection Project	\$200,000.00
TOTAL		\$219,421.50

The District budgets for flood emergencies and/or unexpected contingencies to minimize risks to life and property. Sufficient funds are available in the District's Zone 5 budget for FY 2020-2021.

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SOURCE OF FUNDS: (Continued)

- 25150-947480-528060 Materials – Zone 5
- 25150-947480-548200 Infrastructure – Zone 5

ATTACHMENTS:

1. Emergency Protection Agreement with Granite Construction Company

RKM:rlp
P8/233950



Jason Farin, Principal Management Analyst 10/14/2020



Gregory H. Priamos, Director County Counsel 10/8/2020

EMERGENCY PROTECTION AGREEMENT
 Emergency Protection Project – Apple and El Dorado Fires
 Noble Creek Channel, Stage 90
 Project No. 5-0-00020-90

This Emergency Protection Agreement ("Agreement"), dated as of 10/7/2020 2020, is entered into by and between the RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, a body politic ("DISTRICT"), and GRANITE CONSTRUCTION COMPANY, a California corporation ("CONTRACTOR").

1. CONTRACTOR shall furnish all labor, materials, tools, equipment, transportation and services necessary to perform and complete in a workmanlike manner, in strict conformance with this Agreement and within fifteen (15) calendar days after receipt of a written Notice to Proceed from DISTRICT, the project as shown on District Drawing No. 5-0234, attached hereto and by this reference incorporated herein, as directed by DISTRICT.

2. CONTRACTOR shall obtain all necessary licenses and permits as may be necessary for said work. Sufficient evidence of having secured such licenses and permits shall be furnished to DISTRICT by CONTRACTOR.

3. CONTRACTOR hereby warrants that it is in possession of a valid, current, active Class "A" Contractor's License issued by the State of California and in good standing, and shall maintain said license throughout the period of the work.

4. PAYMENT

A. Except as such equipment, labor and/or materials and corresponding rate(s) as may be otherwise approved in writing by DISTRICT prior to commencing work, all work as directed by DISTRICT will be paid for on a force account basis as set forth in Section 9-1.04 of the Standard

Specifications of the State of California, Department of Transportation, 2018 edition as amended, hereinafter called "State Standard Specifications".

- B. The labor surcharge percentage and equipment rental rates will be based on the Department of Transportation publication entitled Labor Surcharge and Equipment Rental Rates which is in effect on the date upon which the work is accomplished. A copy of said Labor Surcharge and Equipment Rental Rates is on file at the District Office and is hereby incorporated herein in its entirety, and can be found at <https://dot.ca.gov/programs/construction/equipment-rental-rates-and-labor-surcharge>.
- C. All invoices shall itemize all charges to conform with the agreed upon equipment, labor and material rates as set forth in Section 9-1.04 of the State Standard Specifications.
- D. Except as otherwise specifically provided herein, CONTRACTOR shall not be eligible for any payment whatsoever, other than for the actual time usage and materials delivered, as approved by DISTRICT, of the equipment, labor and materials as set forth in Section 9-1.04 of the State Standard Specifications, or such equipment, labor and/or materials and corresponding rate(s) as may be otherwise approved in writing by DISTRICT prior to commencing work.
- E. DISTRICT payments to CONTRACTOR shall be made within twenty-one (21) days after receipt of corresponding DISTRICT approved invoices from CONTRACTOR.

F. Total payments by DISTRICT to CONTRACTOR for work performed under this Agreement shall not exceed the agreed upon sum of Two Hundred Thousand Dollars (\$200,000) unless a written amendment to this Agreement is executed by both parties prior to performance of additional work.

5. DISTRICT shall perform all survey and construction staking work which will be necessary for CONTRACTOR to perform the work as specified herein.

6. Time shall be of the essence of this Agreement. CONTRACTOR shall commence the work within one (1) day after receipt of a written Notice to Proceed from DISTRICT and shall complete the work within the time hereinabove specified, subject only to delays beyond the control of CONTRACTOR, provided that for good cause DISTRICT may temporarily interrupt the work and may also extend the time of completion. DISTRICT shall have the right to occupy the premises where the work is to be done during the period of restoration, which shall not be deemed as an acceptance of any part of the work. CONTRACTOR agrees to coordinate the work with any other work being done concurrently on the premises and to cooperate with DISTRICT and other contractors or workers concerned. If CONTRACTOR, without legal cause, should fail to prosecute the work diligently, DISTRICT may terminate this Agreement and finish the work, after providing two (2) days written notice to CONTRACTOR.

7. Reference is made to Chapter 1, Part 7, Division 2 of the California Labor Code (commencing with Section 1720). By this reference said Chapter 1 is incorporated herein with like effect as if it were here set forth in full. The parties recognize that said Chapter 1 deals with, among other things, discrimination, penalties and forfeitures, their disposition and enforcement, wages, working hours and securing workers' compensation insurance and directly affect the

method of prosecution of the work by CONTRACTOR and subject it under certain conditions to penalties and forfeitures. Execution of this Agreement by the parties constitutes their agreement to abide by said Chapter 1. Their stipulation as to all matters which they are required to stipulate as to by the provisions of said Chapter 1, constitutes CONTRACTOR's certification that it is aware of the provisions of said Chapter 1 and will comply with them and further constitutes CONTRACTOR's certification as follows: "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this contract." CONTRACTOR and its subcontractors shall comply with the provisions of Section 1777.5 of the California Labor Code regarding apprentices.

Pursuant to Labor Code Section 1771.1, any Contractor and subcontractors to be listed on public work construction contract are subject to Public Contract Code Section 4104 and shall not be eligible unless currently registered with the Department of Industrial Relations and qualified to perform public works pursuant to Labor Code Section 1725.5. No Contractor or subcontractor may be awarded a public works project or enter into a contract without proof of current registration to perform public works.

General prevailing rate of per diem wages and general prevailing rate of per diem wages for holiday and overtime work, including employer payments for health and welfare, pension, vacation, apprentices and similar purposes for each craft, classification or type of workman needed for execution of contracts under the jurisdiction of District have been obtained by the Board of Supervisors of the District from the Director of Industrial Relations of the State of California for

the area where the work is to be done. The said determinations are on file in the principal office of the District, and will be made available to any interested person upon request.

THIS PROJECT IS SUBJECT TO COMPLIANCE MONITORING AND ENFORCEMENT BY THE DEPARTMENT OF INDUSTRIAL RELATIONS. The awarded prime Contractor shall post job site notices, including a copy of the prevailing rate of per diem wages determinations made by the Director for the Department of Industrial Relations and other notices prescribed by regulations and comply with the provisions of the California Labor Code, including, without limitation, Sections 1771.4, 1773.1, 1773.2, 1774, 1775, 1776, and 1777.5. Contractor shall furnish the records specified in Labor Code Section 1776, including but limited to the certified payroll records, directly to the Labor Commissioner for the Department of Industrial Relations. CONTRACTOR shall post at the job site during the course of the work a copy of DISTRICT's "Determination of Prevailing Wage Rates", copies of said Determination are available from DISTRICT for this purpose.

8. CONTRACTOR shall obtain and maintain insurance in accordance to General Provisions Section 8.02.

9. Precaution shall be exercised at all times for the protection of persons, including employees and property. The safety provisions of applicable laws and building and construction codes shall be observed. CONTRACTOR shall maintain sufficient safeguards, such as railing, temporary walks, lights, etc., against the occurrence of accidents, injuries, damage or hurt to any person or property and shall also be responsible for the same if such should occur.

10. Reference to and/or incorporation into this Agreement of a particular law, statute, ordinance, rule or regulation is not, nor is it intended to be, a definitive statement of the law applicable to this Agreement and the accomplishment of the work. CONTRACTOR must keep

informed as to all such applicable federal, state, local law, etc. as it affects the conduct of the work and comply with such law, including but not limited to, having requisite licenses, obtaining necessary permits, paying necessary fees and taxes, posting notices and installing, operating and maintaining safety precautions and facilities. It is likewise CONTRACTOR's responsibility to ensure that its subcontractors also fully comply with such applicable law.

11. All materials used in the work, unless otherwise specified, shall be new, of the types and grades specified, and CONTRACTOR shall, if requested by DISTRICT, furnish evidence satisfactory to DISTRICT that such is the case. All workmanship shall be of the best quality and all workmen shall be suitably skilled in the work which they perform.

12. No materials or supplies for the work shall be purchased by CONTRACTOR or by any subcontractor subject to any chattel mortgage or under a conditional sale or other agreement by which an interest is retained by the seller. CONTRACTOR warrants that it has good title to all materials and supplies for which it accepts partial payment.

13. Neither the final certificate, final payment or any provision in this Agreement shall relieve CONTRACTOR of responsibility for faulty materials or workmanship, and CONTRACTOR shall remedy any defects due thereto and pay for any damage to other work resulting therefrom, which may appear or be discovered up to one year after recording of the Notice of Completion. DISTRICT shall give notice of observed defects with reasonable promptness, and CONTRACTOR shall proceed to remedy such defects immediately upon receiving such notification.

14. Except as specified in Section 4, no extra work shall be performed and no increase in or addition to the contract price shall be made without prior written agreement of the parties.

Failure to obtain such prior written agreement may result in CONTRACTOR not receiving any additional payment for such extra work.

15. This Agreement shall include the Instruction to Contractors (Emergency Work), the General Provisions, and Appendix "A" (Emergency Permits and Standard Permit Conditions and Requirements) and the documents referenced therein, attached hereto and by this reference incorporated herein, which constitutes the entire agreement between the parties hereto with respect to the subject matter hereof. Any modifications to the terms of this Agreement must be in writing and signed by the parties herein. Neither this Agreement nor any part thereof shall be assigned by CONTRACTOR without the prior written consent of DISTRICT. The contract documents ("Contract Documents") for this project are:

- a. This Agreement;
- b. Instructions To Contractors (Emergency Work), including Statement of Licensure, Iran Contracting Act Certification, Performance Bond, Payment Bond, and Workers' Compensation Contractor Certificate;
- c. General Provisions;
- d. Plans and Specifications;
- e. Appendices and any other documents included in or incorporated into the Contract Documents; and
- f. Orders, Instructions, Drawings and Plans issued by District during the course of the work in accordance with the provisions of the Contract Documents.

16. Any and all notices sent or required to be sent to either party shall be mailed by first class mail, postage prepaid, to the following addresses:

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
1995 Market Street
Riverside, CA 92501
Attn: Construction Management Section

GRANITE CONSTRUCTION COMPANY
38000 Monroe Street
Indio, CA 92203
Attn: Brad Williams

17. CONTRACTOR shall have and must pass down to any subcontractors the obligations to indemnify, hold harmless and defend the Indemnified Parties as further provided in Section 8.02 in the General Provisions of the Contract Documents.

18. This Agreement is to be construed in accordance with the laws of the State of California. If any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions shall be declared severable and shall be given full force and effect to the extent possible.

Any legal action, in law or in equity related to the performance or interpretation of this Agreement shall be filed only in the Superior Court of the State of California located in the County of Riverside, California, and the parties waive any provision of law providing for a change of venue to another location. Prior to the filing of any legal action, the parties shall be obligated to attend a mediation session with a neutral mediator or try to resolve the dispute.

19. Any waiver by DISTRICT of any breach of any one or more of the terms of this Agreement shall not be construed to be a waiver of any subsequent or other breach of the same or of any other term hereof. Failure on the part of DISTRICT to exact, full and complete compliance with any term of this Agreement shall not be construed as in any manner changing the terms hereof, or estopping DISTRICT from enforcement hereof.

20. This Agreement may be executed in any number of counterparts, each of which will be an original, but all of which together will constitute one instrument.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on

10/7/2020
(to be filled in by General Manager-Chief Engineer)

"DISTRICT"
**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

"CONTRACTOR"
**GRANITE CONSTRUCTION
COMPANY**



By: [Signature]
JASON E. UHLEY
General Manager-Chief Engineer

By: [Signature]
Name: Kenneth B. Olson
Title: Vice President

The following information must be provided concerning the CONTRACTOR:

APPROVED AS TO FORM:
GREGORY P. PRIAMOS
County Counsel

94-0519552
Employer State Tax ID #
89

By: [Signature]
SYNTHIA M. GUNZEL
Chief Deputy County Counsel

Contractor's License #
A.B,C2,C8,C10,C12,C21,C27,C29,C31,C35,C36,C39,C42,C45,C50,C51,C57
Contractor's License Classification
1000000085
DIR Registration #

Emergency Protection Agreement
Emergency Protection Project – Apple and El Dorado Fires
Noble Creek Channel, Stage 90
Project No. 5-0-00020-90
09/28/20
RKM:mcv

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on


(to be filled in by General Manager-Chief Engineer)

"DISTRICT"
**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

"CONTRACTOR"
**GRANITE CONSTRUCTION
COMPANY**



By: _____
JASON E. UHLEY
General Manager-Chief Engineer

By:  _____
Name: Kenneth B. Olson
Title: Vice President

The following information must be provided concerning the CONTRACTOR:

APPROVED AS TO FORM:
GREGORY P. PRIAMOS
County Counsel

94-0519552

Employer State Tax ID #
89

Contractor's License #

A,B,C2,C8,C10,C12,C21,C27,C29,C31,C35,C36,C39,C42, C45,C50,C51,C57

Contractor's License Classification

1000000085

DIR Registration #

By: _____
SYNTHIA M. GUNZEL
Chief Deputy County Counsel

Emergency Protection Agreement
Emergency Protection Project – Apple and El Dorado Fires
Noble Creek Channel, Stage 90
Project No. 5-0-00020-90
09/28/20
RKM:mcv

GRANITE CONSTRUCTION COMPANY

CERTIFICATE OF SECRETARY

I, M. Craig Hall, Secretary of GRANITE CONSTRUCTION COMPANY, a California corporation (the "Company"), do hereby certify that the following is a true and correct copy of resolutions duly adopted on February 7, 2020 by a Unanimous Written Consent of the Board of Directors in accordance with the provisions of Article III, Section 9 of the Bylaws of the Company; that the Directors acting were duly and regularly elected; and that the resolutions adopted have not been repealed and are still in full force and effect:

AUTHORIZATION TO EXECUTE DOCUMENTS AND AGREEMENTS

RESOLVED, that the below listed officers are authorized to execute and deliver on behalf of the Company all documents, agreements and undertakings required in connection with construction contract formation and operations of the Company:

James H. Roberts	President & Chief Executive Officer
Kyle T. Larkin	Executive Vice President, Chief Operating Officer & Assistant Secretary
Jigisha Desai	Senior Vice President, Chief Financial Officer & Assistant Secretary
Carlos F. Alegre	Senior Vice President of Operations Services & Assistant Secretary
Philip M. DeCocco	Senior Vice President of Human Resources & Assistant Secretary
M. Craig Hall	Senior Vice President, General Counsel, Corporate Compliance Officer & Secretary
James A. Radich	Senior Vice President, Group Manager & Assistant Secretary
Richard M. Rantala	Senior Vice President, Business Development & Assistant Secretary
James D. Richards	Senior Vice President, Group Manager & Assistant Secretary
Michael G. Tatusko	Senior Vice President, Group Manager & Assistant Secretary
Mathew C. Tyler	Senior Vice President, Federal Group Operations & Assistant Secretary
Robert C. VanGorder	Senior Vice President, Group Manager & Assistant Secretary
Michael W. Barker	Vice President, Controller, Assistant Financial Officer & Assistant Secretary
James D. Nickerson	Vice President & Assistant Secretary
Kenneth B. Olson	Vice President, Treasurer, Assistant Financial Officer & Assistant Secretary
Nicholas B. Blackburn	Director of Corporate Taxation & Assistant Secretary

RESOLVED FURTHER, that the authority provided for herein shall be in accordance with applicable policies, procedures and limits of authority previously approved and the Granite Construction Incorporated Delegation of Authority and Policy then in effect.

AUTHORIZATION TO ATTEST DOCUMENTS AND AGREEMENTS

RESOLVED, that the below listed officers are authorized to attest documents, agreements and undertakings required in connection with construction contract formation and operations of the Company:

James H. Roberts	President & Chief Executive Officer
Kyle T. Larkin	Executive Vice President, Chief Operating Officer & Assistant Secretary
Jigisha Desai	Senior Vice President, Chief Financial Officer & Assistant Secretary
Carlos F. Alegre	Senior Vice President of Operations Services & Assistant Secretary
Philip M. DeCocco	Senior Vice President of Human Resources & Assistant Secretary
M. Craig Hall	Senior Vice President, General Counsel, Corporate Compliance Officer & Secretary
Kyle T. Larkin	Senior Vice President, Manager of Construction and Materials Operations & Assistant Secretary
James A. Radich	Senior Vice President, Group Manager & Assistant Secretary
Richard M. Rantala	Senior Vice President, Business Development & Assistant Secretary
James D. Richards	Senior Vice President, Group Manager & Assistant Secretary
Michael G. Tatusko	Senior Vice President, Group Manager & Assistant Secretary
Mathew C. Tyler	Senior Vice President, Federal Group Operations & Assistant Secretary
Robert C. VanGorder	Senior Vice President, Group Manager & Assistant Secretary
Michael W. Barker	Vice President, Controller, Assistant Financial Officer & Assistant Secretary
James D. Nickerson	Vice President & Assistant Secretary
Kenneth B. Olson	Vice President, Treasurer, Assistant Financial Officer & Assistant Secretary
Nicholas B. Blackburn	Director of Corporate Taxation & Assistant Secretary
Kenneth M. Smith	Group Counsel & Assistant Secretary
Jason M. Jasper	Group Counsel & Assistant Secretary
Eric J. Rietz	Group Counsel & Assistant Secretary

Dated: February 11, 2020



M. Craig Hall



GRANITE CONSTRUCTION COMPANY

CERTIFICATE OF SECRETARY

RESOLVED, that, effective January 1, 2020 through December 31, 2020, the individuals named on the attached Exhibit 1 are authorized to negotiate, execute and/or attest electronic and paper documents and contracts necessary for the conduct of the Company's affairs with respect to the submission and execution of construction project bids, bid proposals, bid addenda and all other bid-related documents prepared and submitted on behalf of the Company not to exceed \$25 million, relating to any and all domestic construction projects arising out of the Company's operations.

RESOLVED, that, effective January 1, 2020 through December 31, 2020, the individuals named on the attached Exhibit 2 are authorized to negotiate, execute and attest electronic and paper documents and contracts necessary for the conduct of the Company's affairs with respect to the submission and execution of construction project bids, bid proposals, bid addenda and all other bid-related documents prepared and submitted on behalf of the Company not to exceed \$75 million, relating to any and all domestic construction projects arising out of the Company's operations.

RESOLVED FURTHER, that the authority provided for herein shall be in accordance with applicable policies, procedures and limits of authority previously approved and the Granite Construction Incorporated Delegation of Authority and Policy then in effect.

I, M. Craig Hall, do hereby certify that I am duly qualified as Secretary of GRANITE CONSTRUCTION COMPANY, a California corporation (the "Company"); that the foregoing is a true and correct copy of resolutions duly adopted effective January 1, 2020 by unanimous written consent of the Executive Committee of the Board of Directors, held without a meeting in accordance with the provisions of Article III, Section 9 of the Bylaws of the Company; that the Directors acting were duly and regularly elected; and that the resolution adopted has not been modified or repealed and is still in full force and effect.

Dated: January 1, 2020



M. Craig Hall



EXHIBIT 1

AUTHORIZED SIGNERS
Granite Construction Company
California Group
Desert Cities Region

AUTHORIZED SIGNERS

Brad J. Williams, VP Desert Cities Region
Brian Caris, Senior Project Manager
Joseph P. Richardson, Regional Chief Estimator
Jeff J. Mercer, Construction Manager
Muin Mustafa, Construction Manager
Emir Kocaballi, Construction Manager
Fausto Gonzalez, Project Manager
Rudy Barela, Regional Controller

ATTESTORS

Brian Caris, Senior Project Manager
Joseph P. Richardson, Regional Chief Estimator
Jeff J. Mercer, Construction Manager
Muin Mustafa, Construction Manager
Emir Kocaballi, Construction Manager
Carley L. Cechin, Project Manager
Fausto Gonzalez, Project Manager
Rudy Barela, Regional Controller
Carolyn Maness, Estimating Assistant

EXHIBIT 2

AUTHORIZED SIGNERS
Granite Construction Company
California Group

AUTHORIZED SIGNERS
Brent Fogg, VP Coastal Region
Carter Rohrbough, VP Valley Region
Larry Camilleri, VP Central Region
Scott McArthur, VP Northern Los Angeles Region
John Boies, VP South Coast Region
Brad J. Williams, VP Desert Cities Region
Bradly Estes, VP Construction Materials

INSTRUCTIONS TO CONTRACTORS (EMERGENCY WORK)

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INSTRUCTIONS TO CONTRACTORS (EMERGENCY WORK)

DEFINITIONS

Capitalized terms used on the Contract Documents shall have the meanings assigned to them in the Construction Agreement, Bonds, other Forms, General Provisions, and Specifications and Contract Documents that are included in the Contract Documents. Capitalized terms not so defined shall have the meanings assigned to them in, or if none is assigned as reasonably interpreted according to the context of, the portion of the Contract Documents where such terms are used.

INSPECTION OF SITE

Contractors must examine the site and acquaint themselves with all conditions affecting the work. Information derived from maps, plans or specifications, or from the Chief Engineer or his assistants, will not relieve the Contractor from properly carrying out all the terms of the written contract.

QUALIFICATIONS OF CONTRACTORS

A Contractor must be licensed under laws of California, as evidenced by the submittal of the Statement of Licensure. No award will be made to any Contractor who cannot give satisfactory assurance to the District as to his own ability to carry out the contract, both from his financial standing and by reason of his previous experience as a Contractor on work of the nature contemplated in the contract. The Contractor may be required to submit his record of work of similar nature to that proposed under these specifications, and unfamiliarity with the type of work may be sufficient cause for rejection.

CONTRACTOR LICENSE AND REGISTRATION

Contractors for this project shall have an active and in good standing Class "A" Contractor's license from the State of California in order to be considered eligible for the contract award. The license(s) shall remain active and in good standing throughout the entire duration of the project.

In accordance with the Labor Code (especially Sections 1725.5 and 1771.1), all Contractors and Subcontractors must register as a "Public Works Contractor" with the Department of Industrial Relations (DIR) using the online application. Contractor's and Subcontractor's DIR Registration Number must be listed in the Contract Documents. This project is subject to compliance monitoring and enforcement by the DIR.

ANTI-DISCRIMINATION

It is the policy of the District that, in connection with all work performed under the Construction Agreement, there be no discrimination against any prospective or active employee engaged in the Work because of race, color, ancestry, national origin, religious creed, sex, age, marital status, or sexual preference. The Contractor agrees to comply with applicable Federal and California laws including, but not limited to, the California Fair Employment Practice Act, beginning with Labor Code Section 1410, and Labor Code Section 1735. In addition, the Contractor agrees to require like compliance by any subcontractors employed on the Work.

REQUIRED SUBMITTALS

There are a number of forms and other documents required as submittals by the Contractor during the various stages of the project. Contractor shall submit the following documents upon request by the District:

- (1) Emergency Protection Agreement duly executed by the authorized delegate of the Contractor;
- (2) Performance Bond and Payment Bond (issued by Surety);
- (3) Statement of Licensure;
- (4) Evidence of Insurance and endorsements, as specified by the Contract Documents; and
- (5) Workers' Compensation Certificate, in the form specified by the Contract Documents.

SUBLETTING AND SUBCONTRACTING

Contractors are required, pursuant to the Subletting and Subcontracting Fair Practices Act (commencing with Section 4100 of the Public Contract Code) to list the name and location of place of business of each subcontractor who will perform work or labor or render services in or about the construction of the work or improvement or a subcontractor who specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the Plans and Specifications, in excess of one-half (½) of one percent (1%) of the prime Contractor's total contract amount. Failure to list a subcontractor for a portion of the work means that the prime Contractor will do that portion of the work. Contractor shall list only one subcontractor for each portion as is defined by the Contractor.

IRAN CONTRACTING ACT

In accordance with Public Contract Code Section 2204(a), prior to executing a contract or renewal for a District contract for goods or services of \$1,000,000 or more, a Contractor must either:

- a) Certify it is not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code Section 2203(b) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or
- b) Demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code Section 2203(c) or (d).

To comply with this requirement, please insert your Contractor or financial institution name and Federal ID Number (if available) and complete one of the options on Page VI. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code section 2205.)

AWARD OF CONTRACT

The Contractor's attention is directed to the provisions in these Instructions to Contractors for the requirements and conditions concerning award and execution of Contract.

The Emergency Contract can be executed in accordance with authority that the Board has delegated to the Board of Supervisors of the Riverside County Flood Control and Water Conservation

District by adoption of Resolution No. F94-39 (November 22, 1994; Agenda Item 9.4), and has been approved as to legal form by County Counsel.

Resolution No. F94-39, which states that emergency contracts to safe guard life, health or property can be authorized by the General Manager-Chief Engineer. The resolution requires that the General Manager-Chief Engineer report back to the Board in a public meeting after executing the Contract.

This work is being performed in accordance with the Force Account provisions of the Standard Specifications and as detailed in the Contract.

CONTRACT SECURITY – PERFORMANCE BOND AND PAYMENT BOND

The Contractor shall furnish two (2) surety bonds, each in quadruplicate, one as a security for the faithful performance of the contract in the amount equal to one hundred percent (100%) of the contract price, and one as security for the payment of all persons performing labor and furnishing materials in connection with the contract in an amount equal to one hundred percent (100%) of the Contract Price. The penal sums of the Performance Bond and Payment Bond shall each be initially in the amount of one hundred percent (100%) of the Contract Price. The penal sum may be required to be increased for Contract Adjustments increasing the Contract Price that are authorized by Change Order. All bonds must be submitted on forms provided by the District. Bonds submitted in any other form will not be accepted.

The Contractor shall furnish to the District the required, original, Performance and Payment Bonds, issued by an admitted surety and shall have a A.M. Best's Insurance Rating of A VIII (A:8) or better rated surety company, authorized to do business in the State of California. The Bonds shall be executed by an authorized attorney-in-fact for the Surety company and his/her original or certified copy Power of Attorney must be attached to the Bonds. Premiums for Bonds shall be paid by the Contractor. Notary acknowledgements of the signatures of the Contractor and Surety(ies) is required. The attorney-in-fact who executes the required Performance Bond and Payment Bond on behalf of the Surety shall affix thereto a certified and current copy of the Power of Attorney authorizing such attorney-in-fact to execute same on behalf of such Surety. Should any Surety on the Performance Bond or Payment Bond be deemed unsatisfactory by the District, Contractor shall upon notice promptly substitute new bonds satisfactory to the District.

If the Performance Bond provides for a one-year warranty, a separate Maintenance Bond is not necessary. If the warranty period specified in the contract is for longer than one year, a Maintenance Bond equal to ten percent (10%) of the contract price is required. Bonds shall be duly executed by a responsible corporate surety, authorized to issue such bonds in the State of California and secured through an authorized agent with an office in California.

STATEMENT OF LICENSURE

Pursuant to California Public Contract Code §3300, the undersigned does certify as follows:

1. That the pocket license/certificate of licensure I have presented to owner as of this date is my own license, being State of California, Contractors License No. 89; and
2. That said Contractors License is current and valid; and
3. That said Contractors License is of a classification appropriate to the work to be undertaken for owner, a Class A license.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

DATED: 10/01/2020





Signature

Joseph P. Richardson, Regional Chief Estimator

Title

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA) §
COUNTY OF RIVERSIDE)

On this the 2nd day of October, 2020, before me

Kelli M. Osborn Notary Public


the undersigned Notary Public, personally appeared

Joseph Pasquale Richardson

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Notary's Signature (Seal)





CONTRACTORS
STATE LICENSE BOARD
ACTIVE LICENSE



License Number **89**

Entity **CORP**

Business Name **GRANITE CONSTRUCTION COMPANY**

Classification(s) **C36 C10 A B C57 C-2 C-8 C12
C21 C27 C29 C35 C42 C45 C39
C50 C51 C31**

Expiration Date **05/31/2021**

www.cslb.ca.gov





APPLICATION FOR PUBLIC WORKS CONTRACTOR REGISTRATION

Registration Information

Type: Renewal
Period: July 1, 2019 – June 30, 2022

Contractor Information

Contractor Name: GRANITE CONSTRUCTION COMPANY
Trade Name:
License Type Number: 1000000085

Contractor Physical Address

Physical Business Country: United States of America
Physical Business Address: 585 WEST BEACH STREET

Physical Business City/ Province: WATSONVILLE
Physical Business State: CA
Physical Business Postal Code: 95076

Contractor Mailing Address

Mailing Business Country:
Mailing Business Address:

Mailing Business City/ Province:
Mailing Business State:
Mailing Business Postal Code:

Contact Info

Daytime Phone:
Mobile Phone:

Daytime Phone Ext.:
Business Email: jennifer.bowling@gcinc.com
Applicant's Email: jennifer.bowling@gcinc.com

Workers' Compensation

Professional Employer Organization (PEO)

Do you lease employees through Professional Employer Organization? No

Workers' Compensation Overview

Insured by carrier

Carrier: ALLIANT INSURANCE SERVICES,
INC.

Inception Date: October 1, 2017

Policyholder Name: GRANITE CONSTRUCTION
COMPANY

Expiration Date: October 1, 2019

Policy Number: WC 274978630

Certification

Yes I certify that I do not have any delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award

Yes I certify that the contractor is not currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of contractors from public works.

Yes I certify that one of the following is true: (1) I am licensed by the Contractors State License Board (CSLB) in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code; or (2) my business or trade is not subject to licensing by the CSLB.

I understand refunds are not authorized

I, Jennifer Bowling, the undersigned, am , GRANITE CONSTRUCTION COMPANY with the authority to act for and on behalf of the above named contractor. I certify under penalty of perjury that all of the above information provided is true and correct. I further acknowledge that any untruthful information provided in this application could result in the certification being canceled.

I certify this on: 6/7/2019 11:33:33 AM

Legal Entity Information

Legal Entity Type: Corporation

Name: GRANITE CONSTRUCTION COMPANY

IRAN CONTRACTING ACT CERTIFICATION


In accordance with Public Contract Code Section 2204(a), prior to bidding on, submitting a proposal or executing a contract or renewal for a District contract for goods or services of \$1,000,000 or more, a Contractor must either:


- c) Certify it is not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code Section 2203(b) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or
- d) Demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code Section 2203(c) or (d).

To comply with this requirement, please insert your Contractor or financial institution name and Federal ID Number (if available) and complete one of the options below. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code Section 2205.)

Option #1 – Certification

I, the official named below, certify I am duly authorized to execute this certification on behalf of the Contractor/financial institution identified below, and the Contractor/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

<i>Contractor Name/Financial Institution (Printed)</i> Granite Construction Company		<i>Federal ID Number (or n/a)</i> 94-0519552
<i>By (Authorized Signature)</i> 		
<i>Printed Name and Title of Person Signing</i> Joseph P. Richardson, Regional Chief Estimator		
<i>Date Executed</i> October 1, 2020	<i>Executed in</i> Indio, CA	



Option #2 – Exemption

Pursuant to Public Contract Code Sections 2203(c) and (d), a public entity may permit a Contractor/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services.

If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

<i>Contractor Name/Financial Institution (Printed)</i>		<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i>		
<i>Date Executed</i>	<i>Executed in</i>	

(Public Work – Public Contract Code Section 21091)

WHEREAS, the Riverside County Flood Control and Water Conservation District ("District") has entered into an Emergency Protection Agreement ("Contract") with GRANITE CONSTRUCTION COMPANY, as Principal ("Principal") to perform emergency work ("Work") for the following project; **Emergency Protection Project – Apple and El Dorado Fires, Noble Creek Channel, Stage 90 (Project No. 5-0-00020-90)**, which Contract is by this reference hereby incorporated herein and made a part hereof;

WHEREAS, said Principal is required by the Contract and/or by California Public Contract Code, Section 21091 to furnish a performance bond for the faithful performance of the Contract;

NOW THEREFORE, we, the Principal and Travelers Casualty and Surety Company of America ("Surety"), an admitted surety insurer pursuant to Code of Civil Procedure, Section 995.120, are held and firmly bound unto District in the penal sum of Two Hundred Thousand 00/100 Dollars (\$ 200,000.00), this amount being not less than one hundred percent (100%) of the total sum payable by District under the Contract at the time the Contract is awarded by District to the Principal, lawful money of the United States of America, for the payment of which sum well and truly to be made, we, Principal and Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents, to:

1. Perform all the work required to complete the Project; and
2. Pay to the District all damages the District incurs as a result of the Contractor's failure to perform all the Work required to complete the Project.

THE CONDITION OF THIS OBLIGATION IS SUCH that if Principal, its heirs, executors, administrators, successors or assigns approved by District, shall in all things stand to and abide by and well and truly keep and perform all the undertakings, terms, covenants, conditions and agreements in the Contract, including, without limitation, all obligations during the original term and any extensions thereof as may be granted by District, with or without notice to Surety thereof (including, without limitation, the obligation for Principal to pay liquidated damages), all obligations during the period of any warranties and guarantees required under the Contract and all other obligations otherwise arising under the terms of the Contract (such as, but not limited to, obligations of indemnification), all within the time and in the manner therein designated in all respects according to their true intent and meaning, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

As a condition precedent to the satisfactory completion of the Contract, the above obligation shall hold good for a period equal to the warranty and/or guarantee period of the Contract, during which time Surety's obligation shall continue if Contractor shall fail to make full, complete, and satisfactory repair and replacements and totally protect the District from loss or damage resulting from or caused by defective materials or faulty workmanship. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the District's rights or the Contractor or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.

PERFORMANCE BOND

Page 2 of 3

Whenever Principal shall be, and is declared by District to be, in default under the Contract, the Surety shall promptly either remedy the default, or, if the Contract is terminated by District or the Principal's performance of the Work is discontinued, Surety shall promptly complete the Contract through its agents or independent contractors, subject to acceptance of such agents or independent contractors by District as hereinafter set forth, in accordance with its terms and conditions and to pay and perform all obligations of Principal under the Contract (including, without limitation, all obligations with respect to payment of liquidated damages) less the "Balance of the Contract Price" (as hereinafter defined); subject to the penal amount of this bond as set forth above. The term "Balance of the Contract Price", as used in this paragraph, shall mean the total amount payable to Principal by District under the Contract and any modifications thereto, less the amount previously paid by District to the Principal and less amounts that District is authorized to withhold under the terms of the Contract.

If District determines that completion of the Contract by Surety or its agents or independent contractors must be performed by a lowest responsible Contractor selected pursuant to a competitive bidding process, then Surety shall comply with such processes in accordance with the requirements of District and applicable laws. Unless otherwise approved by District, in the exercise of its sole and absolute discretion, Surety shall not utilize Principal in completing performance of the Work.

No right of action shall accrue on this bond to or for the use of any person or entity other than District or its successors or assigns.

In the event any legal proceeding or arbitration is brought upon this bond by District and judgment or award is entered in favor of District as the prevailing party, Surety shall pay all costs and attorney's fees incurred by the District.

Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

Surety, for value received, agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder, shall in any way impair or affect Surety's obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

Surety's obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, joint and severally, or against any one or more of them or against less than all of them, without impairing District's rights against the others.

PERFORMANCE BOND

Page 3 of 3

(Corporate Seal of Principal,
if Corporation)



Granite Construction Company

(Proper name of Principal)

By: [Signature]

Signature of Principal's authorized representative

Kenneth B. Olson, Vice President

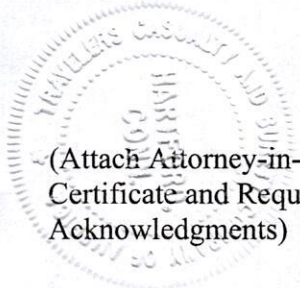
Print or type authorized representative's Name and Title

38000 Monroe Stree

Print or type Principal's Address

Indio, CA 92203

(Corporate Seal of Surety)



Surety Travelers Casualty and Surety Company of America

By: [Signature]

Jessica Rosser

Attorney-in-Fact

Alliant Insurance Services, Inc.

Name and Address of California Agent of Surety

100 Pine Street, 11th Floor

San Francisco, CA 94111

(415) 403-1427

Telephone Number of California Agent of Surety

NOTE: Notary acknowledgment of signatures of Principal and Surety, and Surety's Power of Attorney, must be included or attached.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

ACKNOWLEDGMENT

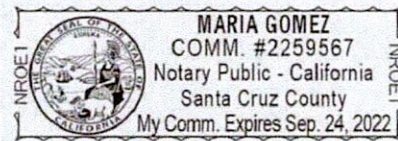
State of California
County of Santa Cruz)

On October 1, 2020 before me, Maria Gomez, Notary Public
(insert name and title of the officer)

personally appeared Kenneth B. Olson,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Maria Gomez* (Seal)
Maria Gomez, Notary Public

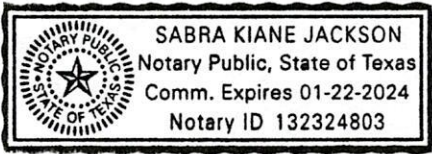
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of Texas)
) ss
County of Dallas)

On Oct 1, 2020, before me, Sabra Kiane Jackson, Notary Public, personally appeared Jessica Rosser, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/~~she~~/~~they~~ executed the same in ~~his~~/~~her~~/~~their~~ authorized capacity(ies), and that by ~~his~~/~~her~~/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Texas that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

Signature: *Sabra Kiane Jackson*
Sabra Kiane Jackson, Notary Public



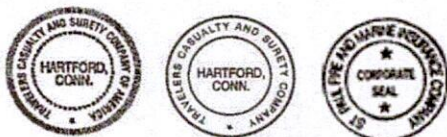
**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Jessica Rosser** of **DALLAS**

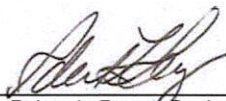
Texas, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **17th** day of **January**, **2019**.



State of Connecticut

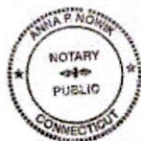
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the **17th** day of **January**, **2019**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2021**




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **1st** day of **October**, **2020**




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which this Power of Attorney is attached.**

(Public Work - Civil Code Sections 9550 et seq.)

WHEREAS, the Riverside County Flood Control and Water Conservation District ("District") has entered into an Emergency Protection Agreement ("Contract") with GRANITE CONSTRUCTION COMPANY, as Principal ("Principal") to perform emergency work ("Work") for the following project; **Emergency Protection Project – Apple and El Dorado Fires, Noble Creek Channel, Stage 90 (Project No. 5-0-00020-90).**

WHEREAS, said Principal is required by the Contract and/or by the California Civil Code Section 9550 et seq. to furnish a payment bond in connection with the Contract;

NOW THEREFORE, we, the Principal and Travelers Casualty and Surety Company of America ("Surety"), an admitted surety insurer pursuant to Code of Civil Procedure, Section 995.120, are held and firmly bound unto District in the penal sum of Two Hundred Thousand 00/100 Dollars (\$200,000.00), this amount being not less than one hundred percent (100%) of the total sum payable by District under the Contract at the time the Contract is awarded by District to the Principal, lawful money of the United States of America, for the payment of which sum well and truly to be made, we, Principal and Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if Principal, its heirs, executors, administrators, successors, or assigns approved by District, or its subcontractors, of any contracting tier, shall fail to pay any amounts or any person or persons named and described in California Civil Code, Section 9554, then Surety will pay for the same, in or to an amount not exceeding the penal amount hereinabove set forth, and also will pay to the prevailing party if suit is brought upon this bond, reasonable attorney's fees as provided in California Civil Code, Section 9564.

Surety, for value received, agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the Work to be performed thereunder, nor any rescission or attempted rescission of the Contract or this bond, nor any conditions precedent or subsequent in the bond or Contract attempting to limit the right of recovery of any claimant otherwise entitled to recover under the Contract or this bond shall in any way impair or affect Surety's obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

Surety is not released from liability to those for whose benefit this bond has been given, by reason of any breach of the Contract by District or Principal.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under Section 9100 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

PAYMENT BOND

Page 2 of 2

Surety's obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, joint and severally, or against any one or more of them or against less than all of them, without impairing District's rights against the others.

Granite Construction Company

(Proper name of Principal)



(Corporate Seal of Principal,
if applicable)

By: *[Signature]*
Signature of Principal's authorized representative

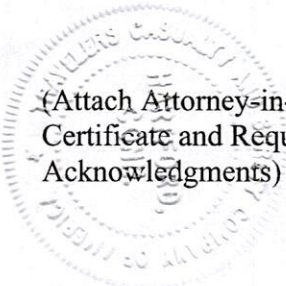
Kenneth B. Olson, Vice President
Print or type authorized representative's Name and Title

38000 Monroe Street
Print or type Principal's Address

Indio, CA 92203

(Corporate Seal of Surety)

Surety Travelers Casualty and Surety Company of America



(Attach Attorney-in-Fact
Certificate and Required
Acknowledgments)

By: *[Signature]* Jessica Rosser
Attorney-in-Fact

Alliant Insurance Services, Inc.
Name and Address of California Agent of Surety

100 Pine Street, 11th Floor
San Francisco, CA 94111

(415) 403-1427
Telephone Number of California Agent of Surety

NOTE: Notary acknowledgment of signatures of Principal and Surety, and Surety's Power of Attorney, must be included or attached.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

ACKNOWLEDGMENT

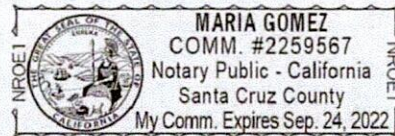
State of California
County of Santa Cruz)

On October 1, 2020 before me, Maria Gomez, Notary Public
(insert name and title of the officer)

personally appeared Kenneth B. Olson,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Maria Gomez* (Seal)
Maria Gomez, Notary Public

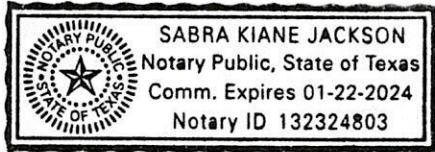
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of Texas)
) ss
County of Dallas)

On Oct 1, 2020, before me, Sabra Kiane Jackson, Notary Public, personally appeared Jessica Rosser, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Texas that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

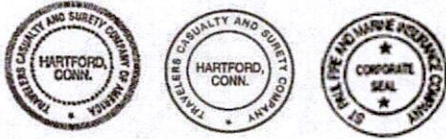
Signature: Sabra Kiane Jackson
Sabra Kiane Jackson, Notary Public



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

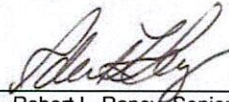
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Jessica Rosser** of **DALLAS, Texas**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.
IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **17th** day of **January, 2019**.



State of Connecticut

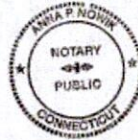
City of Hartford ss.

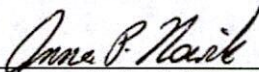
By: 
Robert L. Raney, Senior Vice President

On this the **17th** day of **January, 2019**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2021**




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

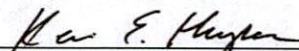
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **1st** day of **October**, **2020**




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which this Power of Attorney is attached.**

WORKERS' COMPENSATION CONTRACTOR CERTIFICATE

(Labor Code Sections 1860, 1861 & 3700)

In accordance with the provisions of Section 3700 of the Labor Code, every Contractor shall secure compensation in one or more of the following ways:

- (a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this state.
- (b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.
- (c) For any county, city, city and county, municipal corporation, public district, public agency, or any political subdivision of the state, including each member of a pooling arrangement under a joint exercise of powers agreement (but not the state itself), by securing from the Director of Industrial Relations a certificate of consent to self-insure against workers' compensation claims, which certificate may be given upon furnishing proof satisfactory to the director of ability to administer workers' compensation claims properly, and to pay workers' compensation claims that may become due to its employees. On or before March 31, 1979, a political subdivision of the state which, on December 31, 1978, was uninsured for its liability to pay compensation, shall file a properly completed and executed application for a certificate of consent to self-insure against workers' compensation claims. The certificate shall be issued and be subject to the provisions of Section 3702.

Labor Code Section 1861 requires each Contractor to whom a public works Contract is awarded shall sign and file with the District the following certification prior to performing the Work of the public works construction Contract:

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

By signing this certification, the Contractor understands the requirements of and agrees to comply with the aforementioned requirements.

Name of Contractor: Granite Construction Company

By: 

Title: Joseph P. Richardson, Regional Chief Estimator



GENERAL PROVISIONS

GENERAL PROVISIONS

SECTION I - DEFINITION OF TERMS

1.01 TERMS. Whenever in these specifications, or in any documents or instruments where these specifications govern, the following terms or pronouns in place of them are used, the intent and meaning shall be interpreted as follows:

(a) DISTRICT: The Riverside County Flood Control and Water Conservation District of the State of California, as created by law, also sometimes referred to as the Flood Control District, or party of the first part.

(b) BOARD OF SUPERVISORS: The Board of Supervisors of the Riverside County Flood Control and Water Conservation District as created by law, also sometimes referred to as the Board. References to the Board set forth in Subsection 2.07, shall be deemed to refer to the General Manager-Chief Engineer of the District.

(c) ENGINEER: The Chief Engineer of the Riverside County Flood Control and Water Conservation District, also sometimes referred to as the Flood Control Engineer, the Chief Engineer, or the General Manager-Chief Engineer, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

(d) LABORATORY: The established laboratory of the District or laboratories authorized by the District to test materials and work involved in the contract.

(e) CONTRACTOR: The person or persons, co-partnership or corporation, private or municipal, who have entered into a contract with the District, as party or parties of the second part or his or their legal representatives.

(f) SUPERINTENDENT: The Executive representative of the Contractor, present on the work at all times during progress, authorized to receive and execute instruction from the Engineer.

(g) PLANS or PROJECT DRAWINGS: The official plans, profiles, typical cross sections, general cross sections, working drawings, and supplemental drawings, or exact reproductions thereof, approved by the Engineer, which show the location, character, dimensions and details of the work to be done, and which are to be considered as a part of the contract supplementary to these specifications.

(h) SPECIFICATIONS: The directions, provisions, and requirements contained herein as supplemented by such special provisions, as may be necessary, pertaining to the method and manner of performing the work or to the quantities and qualities of materials to be furnished under the contract. The Special Provisions are specific clauses setting forth conditions or requirements peculiar to the project under consideration and covering work or materials that are not satisfactorily covered by these General Provisions. Supplemental agreements or contract change orders are written agreements executed by the Contractor and by the District, covering alterations, amendments or extensions to the project, as hereinafter provided.

(i) CONTRACT: The written agreement covering the performance of the work and the furnishing of labor and materials in the construction of the work. The contract shall include

the Notice to Contractors (Emergency Work), Plans, Specifications, Special Provisions, and Contract Bonds, also, any and all supplemental agreements or contract change orders amending or extending the work contemplated and which may be required to complete the work in a substantial and acceptable manner.

(j) CONTRACT PRICE: Shall mean either the lump sum, unit price, or unit prices to be named in the contract, or the total of all payments under the contract at the lump sum, unit price, or unit prices, as the case may be.

(k) SURETY OR SURETIES: The bondsmen or party or parties, approved by the Engineer, who may guarantee the fulfillment of the contract by bond, and whose signatures are attached to said bond.

(l) RIGHT OF WAY: The whole right of way which is reserved for and secured for use in constructing the improvement.

(m) THE WORK: All the work specified in the Specifications and Contract Documents, including the Special Provisions, and contract, or indicated on the plans as the contemplated complete improvement covered by the contract.

1.02 SIMILARITY OF WORDS. Wherever in the specifications or upon the plans the words directed, required, permitted, ordered, designated, prescribed, or words of like import are used, it will be understood that the direction, requirements, permission, order, designation, or prescription of the Flood Control Engineer is intended, and similarly the words approved, acceptable, satisfactory, or words of like import, shall mean approved by, or acceptable to, or satisfactory to, the Flood Control Engineer, unless otherwise expressly stated.

SECTION II - SCOPE OF WORK

2.01 WORK TO BE DONE

It is the intent of these General Provisions, Special Provisions, Detailed Specifications, and the plans herein referred to, that the Contractor shall provide all labor, power, light, water, materials, equipment, tools, scaffolding, machinery, transportation, insurance, permits, bonds, temporary protection, watchmen, and superintendence necessary to construct and complete all work, and to furnish all materials included in the contract, except those furnished by the District and as specifically mentioned in these specifications.

The contract documents are complementary, and the work called for by any one shall be as binding as if called for by all.

2.02 CONSTRUCTION SCHEDULE

The Contractor shall submit at such times as may be requested by the Engineer, a schedule which shall show the order and dates in which the Contractor proposes to carry on the various parts of the work; including estimated completion dates. The District's receipt of such schedule(s) shall not indicate any concurrence by the District in the items or dates described in the schedule(s).

2.03 DRAWINGS AND SPECIFICATIONS ON THE WORK

The Contractor shall keep one copy of all drawings and specifications on the work, in good order, available to the Engineer and his representatives.

2.04 ESTIMATE OF QUANTITIES

The quantities of work to be done and the materials to be furnished under this contract are approximate only. The District is not to be held responsible for the accuracy of the estimate of quantities.

The Contractor shall judge for himself, after considering all circumstances and conditions, the costs and quantities of materials involved in the contract. The Contractor shall not at any time assert that there was any misunderstanding in regard to the depth or class of the excavations to be made, or the nature or kind or amount of materials to be furnished for the work.

The Contractor shall not at any time assert that there was any misunderstanding in regard to the nature of the work or the kind or amount of materials to be furnished for the work. The Contractor herewith agrees that he will not ask, demand, sue for, or seek to recover, for compensation in excess of the amounts payable for the various unit costs or lump sum charges for the work, as stipulated in the Contract Documents, which he actually performs as specified.

2.05 PROTESTS

If the Contractor considers any work demanded of him to be outside of the requirements of the contract, or considers any record or ruling of the Engineer to be unfair, he shall immediately, upon such work being demanded or such record of ruling being made, ask, in writing, for written instructions covering protested items of work. Immediately on receipt of written instructions from the Engineer he shall proceed without delay to diligently perform the work in conformance with the written record or ruling. Immediately upon receipt of the written instructions or ruling and before the start of such work, and no later than five (5) business days, the Contractor shall file a written protest with the Engineer stating clearly and in detail the basis of his protest. Except for such protests as are made of record in the manner herein specified and within the time limit stated, the records, rulings, instructions, or decisions of the Engineer shall be final and conclusive.

2.06 ALTERATIONS

The Contractor understands and agrees that such reasonable alterations and modifications may be made by the Chief Engineer, as may be deemed desirable, and that this may be done without notices to the Sureties on the Contractor's bonds. If such changes result in increased or decreased quantities under the items specified in the Agreement, the Contractor will be paid on the basis of actual quantities as measured by the Engineer.

2.07 EXTRA WORK

A. General

The District reserves and shall have the right, for any reason whatsoever, or when confronted with unpredicted conditions, unforeseen events, or emergencies, to revise the details of the contemplated work, or to add work of a different character or function and have the Contractor

perform such revised or added work as "Extra Work", when such extra work is considered by the Chief Engineer to be appurtenant to the satisfactory completion of the project.

The signing of the contract by the Contractor will be deemed to be an agreement on his part to perform extra work, as and when ordered by the Chief Engineer. Notice to the Sureties on the Contractor's bonds will not be given unless the estimated total value of the contract, as changed or supplemented, shall exceed the original total contract price by more than 25%.

If required extra work results in delay to the work, the Contractor will be given an equivalent extension of time.

Approval of extra work shall be obtained from the Board of Supervisors before such work is authorized to be done, if:

- a. For contracts with a total contract price of \$250,000 or less, a change due to extra work exceeds ten percent (10%) of the original contract amount; or
- b. For contracts with a total contract price of more than \$250,000, a change due to extra work exceeds \$25,000 plus one percent (1%) of the original contract amount in excess of \$250,000; or
- c. An individual change exceeds \$100,000; or
- d. Cumulative contract changes exceed ten percent (10%) of the original contract amount.

Extra work specially authorized by the Board of Supervisors shall not be included in the cost limitations above stated.

B. Procedure for Extra Work

1. Extra work may not be done by the Contractor without prior request and proper written approval by the District. Upon decision of the District to have extra work performed, the Chief Engineer will so inform the Contractor, acquainting him with the essential details of the new work.

2. Prices for extra work shall be prepared by the Contractor on one or both of the following methods, as requested by the District, and submitted to the Chief Engineer for approval:

a. For a stated unit price or lump sum amount based upon current prevailing fair prices for materials, labor, plant, overhead and profit.

b. On a cost basis (force account by the Contractor). The cost of all work done by the Contractor will be computed in the manner described in Section 9-1.04 of the Standard Specifications of the State of California, Department of Transportation, 2018 edition, and the compensation thus provided shall be accepted as payment in full by the Contractor, and no additional payment will be allowed for the use of small tools, superintendent's and foreman's services, timekeeper's services, pickup or yard trucks, except as specifically essential to the work, nor any other overhead expenses incurred in the prosecution of the force account work.

3. Upon receipt of the Contractor's price, the Chief Engineer will make an analysis thereof and adopt one of the following procedures:

a. Accept the Contractor's price for lump sum or unit price amount in the original or amended form and direct him to proceed with the work; or direct him to perform the work on a cost plus basis.

b. Have the work performed by District's forces or separate contract, without undue interference or hindrance to the Contractor and without claim or suit by the Contractor for damages on account thereof.

c. Direct the Contractor to proceed with the work and accept payment therefor in the amount as adjudicated later in a court of law.

4. The price agreed to by the Contractor for the extra work shall be full compensation to the Contractor for all labor, materials, equipment or other costs related to the extra work.

2.08 PAYMENT FOR EXTRA WORK

At the end of each month the Contractor shall make and deliver to the Chief Engineer a statement of the cost of the extra work completed during the current month, itemized and in a form satisfactory to the Chief Engineer. Upon verification of said statement by the Chief Engineer, the Contractor's claim for the full amount, as shown on said statement, will be added to the monthly partial payment made in accordance with Section 9-1.04 of the State Standard Specifications.

2.09 RIGHTS OF WAY

The District shall provide the rights of way upon which the work under this contract is to be done, except that the Contractor shall provide land required for the erection of temporary construction facilities and storage of his material, together with right of access to same. The District will not be responsible for any delay in furnishing the rights of way and such delay shall not be made the basis for a claim for additional compensation by the Contractor. However, in case the failure of the District to furnish the required rights of way delays the prosecution of the work, the time allowed for completion will be extended by a period of time equal to that lost by the Contractor due to such delay.

2.10 CLEANING UP

The Contractor shall, as directed by the Engineer, remove from the District's right of way and from all public and private property, at his own expense, all temporary structures, rubbish and waste materials resulting from his operations.

SECTION III - CONTROL OF THE WORK

3.01 AUTHORITY OF THE ENGINEER

The Engineer shall have general supervision and direction of the contract under authority of the Board of Supervisors. He has the authority to stop the work whenever such stoppage may

be necessary to ensure the proper execution of the contract. The Engineer shall decide all questions which may arise as to the quality or acceptability of materials furnished, work performed, and rate or progress of the work; all questions which may arise as to the interpretation of the plans and specifications; all questions as to the acceptable fulfillment of the contract on the part of the Contractor; and all questions as to compensation.

His determination and decision thereon shall be final and conclusive; and such determination and decision, in case any question shall arise, shall be a condition precedent to the right of the Contractor to receive any money hereunder.

3.02 DETAIL DRAWINGS

The approved plans shall be supplemented by such working drawings as are necessary to control the work adequately. All authorized alterations affecting the requirements and information given on the approved plans shall be in writing. No changes shall be made of any plan or drawing after the same has been approved by the Engineer, except by his direction.

It is expressly understood, however, that approval by the Engineer of the Contractor's working drawings does not relieve the Contractor of any responsibility for accuracy of dimensions and details. It is mutually agreed that the Contractor shall be responsible for agreement and conformity of his working drawings with the approved plans and specifications.

Full compensation for furnishing all working drawings shall be considered as included in the prices paid for the various contract items of work, and no additional allowance will be made therefor.

3.03 CONFORMITY WITH PLANS AND ALLOWABLE DEVIATIONS

Finished surfaces in all cases shall conform with the elevations, lines, grades, cross-sections, and dimensions shown on the approved plans or as described in the Specifications and Contract Documents. Deviations from the approved plans and working drawings, will in all cases be in the Engineer's discretion and as determined by the Engineer and preauthorized in writing.

3.04 INTERPRETATION OF PLANS AND SPECIFICATIONS

Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in these specifications and the Special Provisions, the Contractor must bring this to District's attention in writing and shall apply to the Engineer for such further explanations as may be necessary and shall conform to the same part of the contract, so far as may be consistent with the original specifications; and in the event of any doubt or questions arising respecting the true meaning of the specifications; reference shall be made to the Engineer, whose decision thereon shall be final.

In the event of any discrepancy between any drawings and the figures written thereon, the figures shall be taken as correct. The Contractor will not be allowed to take advantage of errors and omissions in the drawings and specifications. When errors or omissions are found, they will be corrected or supplied by the Engineer.

3.05 SUPERINTENDENCE

The Contractor shall keep on his work, continually during its progress, a competent Superintendent responsible for the construction of the work, and any necessary assistants; all satisfactory to the Engineer. All such persons shall be acceptable to the District continuously throughout the duration of the Project. The Superintendent shall represent the Contractor in his absence and all directions given to him shall be as binding as if given to the Contractor. Important directions shall be confirmed in writing to the Contractor. Other directions shall be so confirmed on written request in each case.

3.06 LINES AND GRADES

The Contractor shall provide reasonable and necessary opportunities and facilities for setting points and making measurements. He shall not proceed until he has made timely demand upon the Engineer for, and has received from him, such lines and grades as may be necessary as the work progresses. The work shall be done in strict conformity with such lines and grades.

The Contractor shall carefully preserve benchmarks, reference points and stakes, and in case of willful or careless destruction, he shall be charged with the resulting expense and shall be responsible for any mistakes that may be caused by their unnecessary loss or disturbance.

3.07 INSPECTION OF WORK

The Engineer and his representatives shall at all times have access to the work during its construction, and shall be furnished with every reasonable opportunity and facility for ascertaining that the stock and materials used and employed, and the workmanship, are in accordance with the requirements and intentions of these specifications. All work done and all materials furnished shall be subject to the Engineer's inspection and approval to ensure design objectives.

The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contracts as prescribed, and defective work shall be made good and unsuitable materials may be rejected, notwithstanding that such defective work and materials have been previously overlooked by the Engineer and accepted or estimated for payment.

3.08 REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK

All work which has been rejected shall be remedied, or removed and replaced by the Contractor in an acceptable manner and no compensation will be allowed him for such removal or replacement. Any work done beyond the lines and grades shown on the plans or established by the Engineer, or any extra work done without written authority, will be considered as unauthorized and will not be paid for. Work so done may be ordered removed at the Contractor's expense. Upon failure on the part of the Contractor to comply forthwith with any order of the Engineer made under the provisions of this article, the Engineer shall have authority to cause defective work to be remedied, or removed and replaced, and unauthorized work to be removed and to deduct the costs for this work from any monies due or to become due the Contractor.

3.09 EQUIPMENT AND PLANT

Equipment not suitable to produce the quality of work required will not be permitted to operate on the project. Plants shall be designed and constructed in accordance with general

practice for such equipment and shall be of sufficient capacity and of such character to ensure the production of sufficient material to carry the work to completion within the time limit.

The Contractor shall provide adequate and suitable equipment and plants to meet the above requirements and, when ordered by the Engineer, shall remove unsuitable equipment from the work and discontinue the operation of unsatisfactory plants. No worn or obsolete equipment shall be used, and in no case shall the maker's rating of the capacity for any equipment be exceeded.

All vehicles used to haul materials over existing highways shall be equipped with pneumatic tires.

3.10 FINAL INSPECTION

The Engineer will not make the final inspection until the work provided for and contemplated by the contract has been completed and the final cleaning up performed.

SECTION IV - CONTROL OF MATERIAL

4.01 DISTRICT FURNISHED MATERIALS

The Contractor shall furnish all materials required to complete the work, except those specified in the Special Provisions to be furnished by the District. Materials furnished by the District will be delivered to the Contractor at the points specified in the Special Provisions.

The Contractor will be held responsible for all materials so delivered to him, and deductions will be made from any monies due him to make good any shortages and deficiencies, from any cause whatsoever, which may occur after such delivery, or for any demurrage charges due to delinquency in unloading.

4.02 SOURCE OF SUPPLY AND QUALITY OF MATERIALS

At the option of the Engineer the source of supply of each of the materials shall be approved by him before the delivery is started. Only materials conforming to the requirements of these specifications and approved by the Engineer shall be used in the work. All materials proposed for use may be inspected or tested at any time during their preparation and use. If, after trial, it is found that sources of supply which have been approved do not furnish a uniform product, or if the product from any source proves unacceptable at any time, the Contractor shall furnish approved material from other approved sources. No material which, after approval, subsequently becomes unfit for use shall be used in the work.

Wherever the name, or brand, or manufacturer of an item is specified, it is used as a measure of quality and utility or a standard. Except in those instances where the product is designated to match others presently in use, or as otherwise stated in the Contract Documents, specifications calling for a designated material, product, thing or service by specific brand or trade name shall be deemed to be followed by the words "or equal" so that the Contractor may propose any equal material, product, thing or service. If the Contractor desires to use any other brand or manufacturer of equal quality or utility to that specified, he shall list definite particulars of that which it considers equivalent to the specified item. The District will then determine whether or not the proposed name brand or article is equal in quality and utility to that specified, and the District's determination in that regard shall be final and binding upon the Contractor.

4.03 SAMPLES AND TESTS

All tests of materials furnished by the Contractor shall be made by the District in accordance with commonly recognized standards of national organizations, and such special methods and tests as are in use at the District's approved laboratory and described in the Detailed Specifications.

Field tests of materials will also be made by the Engineer when deemed necessary and these tests shall be made in accordance with standard practices of the District.

The Contractor shall furnish such samples of all materials as are requested by the Engineer without charge. No material shall be used until it has been approved by the Engineer. Samples will be secured and tested whenever necessary to determine the quality of the material.

Promptly after the approval of the contract, the Contractor shall notify the Engineer of the proposed sources of supply of all materials to be furnished by him, using a form which will be supplied by the Engineer upon request.

Whenever reference is made in these specifications to standard tests or requirements of the laboratory of the District, the American Society for Testing Materials, the American Railway Engineering Association, or the American Association of State Highway Officials, the reference shall be construed to mean the standards that are in effect at the date of these specifications with subsequent amendments, changes, or additions as thereafter adopted and published by the organization referred to.

4.04 DIGGING TRENCHES OR OTHER EXCAVATIONS

Any work that involves digging trenches or other excavations extending deeper than four feet below the surface, then the following terms shall apply:

4.04.1 Contractor shall promptly, and before the following conditions are disturbed, notify the District, in writing, of any:

- 4.04.1.1 Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
- 4.04.1.2 Subsurface or latent physical conditions at the site differing from those indicated by information about the site.
- 4.04.1.3 Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.

4.04.2 The District shall promptly investigate the conditions, and advise the Contractor how to proceed.

4.04.3 Contractor shall submit to District, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker

protection from the hazard of caving ground during the excavation of such trench or trenches. Prior to any excavation is commenced, District shall accept said plan. If such plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer.

4.04.4 Nothing in this Section shall be deemed to allow the use of a shoring, sloping, or protective system less effective than that required by the Construction Safety Orders.

4.04.5 Nothing in this Section shall be construed to impose tort liability on the awarding body or any of its employees.

4.05 STORAGE OF MATERIALS

Materials shall be so stored as to ensure the preservation of their quality and fitness for the work. When considered necessary by the Engineer, they shall be placed on wooden platforms or other hard, clean surfaces and not on the ground. They shall be placed under cover when so directed. Stored materials shall be so located as to facilitate prompt inspection.

4.06 DEFECTIVE MATERIALS

All materials not conforming to the requirements of these specifications shall be considered as defective and all such materials, whether in place or not, shall be rejected and shall be removed immediately from the site of the work unless otherwise permitted by the Engineer. No rejected materials, the defects of which have been subsequently corrected, shall be used until approval in writing has been given by the Engineer. Upon failure on the part of the Contractor to comply forthwith with any order of the Engineer made under the provisions of this article, the Engineer shall have authority to remove and replace defective material and to deduct the cost of removal and replacement from any monies due or to become due the Contractor.

4.07 ASSIGNMENT OF CLAIMS

The Contractor and/or subcontractor do offer and agree to assign to the District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgment by the parties.

SECTION V - LEGAL RELATIONS AND RESPONSIBILITY

5.01 LAWS TO BE OBSERVED

(a) Compliance with Applicable Law. Reference to and/or incorporation into the Contract Documents of a particular law, statute, ordinance, rule or regulation is not, nor is it intended to be, a definitive statement of the law applicable to the Contract Documents and the accomplishment of the work. Contractor must keep informed as to all such applicable law - Federal, State, County, Municipal, District - as it affects the conduct of the work and comply with such law, including, but not limited to, having requisite licenses, obtaining necessary permits, paying necessary fees and taxes, posting notices and installing, operating and maintaining safety

precautions and facilities. It is likewise Contractor's responsibility to see to it that his subcontractors also fully comply with such applicable law.

If at any time Contractor is of the opinion that there is a discrepancy or inconsistency in the plans, drawings, specifications or other Contract Documents, he shall immediately cease work involving such alleged discrepancies or inconsistencies and report the same in writing to the Chief Engineer and shall not proceed with such work until ordered so to do, and in the manner instructed by the Chief Engineer.

Contractor shall protect and defend District, its officers, agents and employees against any claim or liability arising from or based upon any alleged violation of such applicable law. See also Subsection 8.02.

(b) Labor Code - The Contractor shall comply with all applicable requirements of the California Labor Code including but not limited to Labor Code, Chapter 2, Subchapter 1, Article 10, Required Apprentices on Public Works Contracts. Reference is made to Chapter 1, Part 7, Division 2 of the California Labor Code (commencing with Section 1720). By this reference said Chapter 1 is incorporated herein with like effect as if it were here set forth in full. The parties recognize that said Chapter 1 deals with, among other things, discrimination, penalties and forfeitures, their disposition and enforcement, wages, working hours and securing workers' compensation insurance and directly affect the method of prosecution of the work by Contractor and subject it under certain conditions to penalties and forfeitures. Execution of the Agreement by the parties constitutes their agreement to abide by said Chapter 1. Their stipulation as to all matters which they are required to stipulate as to by the provisions of said Chapter 1, constitutes Contractor's certification that it is aware of the provisions of said Chapter 1 and will comply with them and further constitutes Contractor's certification as follows: "I am aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this contract." Contractor and its subcontractors shall comply with the provisions of Section 1777.5 of the Labor Code regarding apprentices.

Contractor shall post at each job site during the course of the work a copy of District's "Determination of Prevailing Wage Rates", copies of said Determination are available from District for this purpose and at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>.

(c) Equal Employment Opportunity

General - The Contractor shall comply with all applicable non-discrimination and equal employment laws. The Contractor shall not discriminate in its recruiting, hiring, promotion, demotion or termination practices on the basis of race, religious creed, color, national origin, ancestry, sex, age or physical handicap in the performance of this Contract and shall comply with the provisions of the California Fair Employment Practice Act (commencing with Section 1410 of the Labor Code), the Federal Civil Rights Act of 1964 (P.L. 88-352) and all amendments thereto, Executive Order No. 11246 (30 Federal Register 12319), as amended, and all administrative rules and regulations issued pursuant to said Acts and Order. See particularly 41 Code of Federal Regulation (CFR) Chapter 60.

Contractor shall require each of its subcontractors to comply with the preceding paragraph and shall include in each subcontract language similar to the preceding paragraph.

Contractor shall permit access to its records of employment, employment advertisement, application forms and other pertinent data and records (including but not limited to certified payroll information) by District and any state or federal agency having jurisdiction for the purpose of investigation to ascertain compliance with this Section.

District may assign an affirmative action representative to monitor Contractor and its subcontractor(s) conduct required by this Section, including the right of entry to the construction site for the purpose of obtaining information from persons performing work on the project providing such inspection does not interfere with the progress of the work.

Elsewhere in the Contract Documents specific requirements may be contained covering the same subject matter of this Section. If so, such specific requirements prevail over this Section in case of conflict.

Transactions of \$10,000 or under - Contracts and subcontracts not exceeding \$10,000 are exempt from the requirements of this Section. No Contractor or subcontractor shall procure supplies and/or services in less than usual quantities to avoid applicability of this Section. With respect to contracts and subcontracts for indefinite quantities, this Section applies unless the amount required in any one year under such contract will reasonably be expected not to exceed \$10,000.

Transactions in Excess of \$10,000 but less than \$50,000 - At District's request, Contractor shall certify that it has in effect an affirmative action plan and agrees to comply with all state and federal laws and regulations regarding Fair Employment Practices. Contractor shall maintain a written copy of its affirmative action plan and furnish District a copy of the plan upon request. District may require Contractor to complete an Affirmative Action Compliance Report, on a form furnished by District, setting forth definite goals during the term of this contract.

Transactions of \$50,000 or more - If Contractor has 50 or more employees and a contract for \$50,000 or more, it shall develop and submit to District, within 30 days after award, a written affirmative action compliance program providing in detail specific steps to guarantee equal employment opportunity. Contractor shall include in its affirmative action program a table of job classifications, which table shall include but need not be limited to job titles, duties and rates of pay.

Contractor shall in each subcontract let to do a portion of the work covered hereunder, where the subcontractor involved has 50 or more employees and the subcontract is for \$50,000 or more, impose in the subcontract the above requirements.

For the purpose of determining the number of employees, the average of the Contractor's or its subcontractor's employees for the 12 month period immediately prior to award, or the total number of employees Contractor or its subcontractor will have when performing this contract, whichever is higher, shall be used.

Federally Assisted Construction - If this project is a Federally assisted construction project, then the contract provisions contained 41 CFR § 60-1.4(b) are incorporated herein and Contractor shall likewise incorporate said provisions in each subcontract entered into by Contractor to perform the work.

(d) Registration of Contractors - Contractor must be licensed in accordance with Division 3, Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(e) Accident Prevention - Particular attention shall be given to relevant Division of Industrial Safety Construction and Electrical Safety Orders. Said Orders are contained in Title 8 of the California Code of Regulations, Chapter 4, Subchapters 4 and 5. Specific attention shall be taken of the California Occupational Safety and Health Act of 1973 (commencing with Section 6300 of the Labor Code) and the Federal Occupational Safety and Health Act of 1970 (P.L. 91-596) and rules and regulations issued pursuant to said Acts. Specific reference is made to Article 6 of said Construction Safety Orders. Contractor shall submit to Engineer, who will accept in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping of the sides of trenches, or other provisions to be made for protection of personnel during earthwork operations. In event the Contractor's plan does not conform with the shoring system requirements of Article 6, the Contractor's proposed shoring design shall be prepared and signed by a civil or structural engineer registered in the State of California.

The Contractor shall also impose the foregoing requirements on all subcontractors involved and enforce compliance therewith.

The duties here set forth are nondelegable by Contractor who shall protect and defend District, its officers, agents and employees in connection therewith. See Subsection 8.02.

5.02 CONTRACTOR'S RESPONSIBILITY

Contractor is under the absolute duty in fulfilling its contractual obligations hereunder to proceed, and cause its subcontractors to proceed, in a safe, workmanlike manner, with adequate safeguards for the protection of the public, the workmen and persons from time to time inspecting the work. If at any time Contractor finds any of its subcontractors are allowing work to proceed in an unsafe manner and contrary to the intent of these Contract Documents, Contractor shall immediately cause such action to stop and immediately take all action necessary to protect workmen, inspectors and the general public and cause the work to proceed in a safe manner.

Contractor shall protect and defend District, its officers, agents and employees in reference to acts or omissions contrary to the above. See particularly Subsection 8.02.

District may withhold funds otherwise due Contractor whenever, in its judgment, this subsection is not being complied with.

5.03 CONTRACTOR'S RESPONSIBILITY FOR WORK

Until the formal acceptance of the work by the District, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before its completion and acceptance and shall bear the expense thereof, except for such injuries or damages as are occasioned by acts of the Federal Government and the public enemy. In case of suspension of work from any cause whatsoever, the Contractor shall be responsible for all materials and shall properly store them if necessary and shall erect temporary structures where necessary.

5.04 PROPERTY RIGHTS IN MATERIALS

Nothing in the contract shall be construed as vesting in the Contractor any right of property in the materials used after they have been attached or affixed to the work or the soil. All such materials shall become the property of the District upon being so attached or affixed.

5.05 PERMITS AND LICENSES

The Contractor shall procure all permits and licenses pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work.

5.06 ROYALTIES AND PATENTS

The Contractor shall assume all costs arising from the use of patented materials, equipment, devices, or processes used on or incorporated on the work, and agrees to indemnify and save harmless the Riverside County Flood Control and Water Conservation District, the Board of Supervisors, the Flood Control Engineer, and their duly authorized representatives, from all suits at law, or actions of every nature for, or on account of, the use of any patented materials, equipment, devices, or processes.

5.07 SANITARY PROVISIONS

Necessary conveniences, properly secluded from public observation shall be provided by the Contractor where needed for the use of laborers on the work. Their location, construction and maintenance shall be subject to the approval of the Engineer, and their use shall be strictly enforced. The Contractor shall obey and enforce such sanitary regulations as may be prescribed by the State Department of Health or other authorities having jurisdiction.

5.08 PUBLIC SAFETY

The Contractor at his own expense shall furnish, erect, and maintain such fences, barriers, lights, and signs as are necessary to give adequate warning to the public at all times that the bridges, culverts, and work along public highways are under construction; and of any dangerous conditions to be encountered as a result thereof; and he shall erect such warning and directional signs and employ such flagmen as are required and maintain same throughout the construction period.

Full compensation for the work involved in carrying out the precautionary measures above specified shall be considered as included in the prices paid for the various contract items of work and no additional allowance will be made therefor.

5.09 USE OF EXPLOSIVES

When the use of explosives is necessary for the prosecution of the work, the Contractor shall use the utmost care not to endanger life or property.

All explosives shall be stored in accordance with the provisions of Division II, Part I, Chapter 3, of the Health and Safety Code of the State of California.

5.10 PROVISIONS FOR EMERGENCIES

Unusual conditions may arise on the work which will require that immediate and unusual provisions be made to protect the public from danger or loss or damage to life and property, due directly or indirectly to the prosecution of the work, and it is part of the service required of the Contractor to make such provisions and to furnish such protection.

The Contractor shall use such foresight and shall take such steps and precautions as his operations make necessary to protect the public from danger or damage, or loss of life or property.

5.11 ACCESS TO THE WORK

Access to the work from existing roads shall be provided by the Contractor and maintained in a manner so as not to create a public nuisance. The Board of Supervisors, Flood Control District and Engineer assume no responsibility for the condition or maintenance of any existing road or structure thereon that may be used by the Contractor for performing the work under these specifications and for traveling to and from the site of the work.

5.12 GUARANTEE OF WORK

All work is guaranteed by Contractor for a period of one year from the recordation of the Notice of Completion against defects resulting from the use of inferior materials, equipment, or workmanship. Upon notice from District, Contractor shall promptly remedy such defects at his expense, including payment to District of its expenses in connection with remedying such defects, otherwise District shall proceed to remedy such defects and Contractor shall upon demand reimburse District for its expenses in connection therewith.

The above one year guarantee is in addition to any specific guarantee(s) provided for elsewhere in the Contract Documents.

SECTION VI - PROSECUTION AND PROGRESS

6.01 PROGRESS OF THE WORK

The Contractor shall begin the work upon execution of this agreement and shall diligently and continuously prosecute the same to completion.

6.02 SUBCONTRACTING

Reference is made to the Subletting and Subcontracting Fair Practice Act contained in the Public Contract Code (commencing §4100). By this reference, said Act is incorporated herein with like effect as if it were here set forth in full and the parties shall abide by its terms and substitution shall be only as allowed by that Act.

Contractor shall be responsible for the acts and omissions of its subcontractors and shall make certain that at all times its subcontractors comply with the terms of the Contract Documents and applicable law insofar as such compliance relates to the work.

District reserves the right to approve all subcontractors whether or not they are required to be listed in the Contract Documents. As used in this Section "subcontractor" includes any person

who fabricates or manufactures any article for incorporation into the work whether or not they install or test after installation or contract to install or test after installation, but does not include suppliers of fungible goods for incorporation into the work unless such supplier also installs or tests or contracts to install or test.

The Contractor shall give his personal attention to the fulfillment of the contract and shall keep the work under his control. The furnishing and placing of reinforcing steel, when placing is performed by the supplier, will be considered as a Specialty Item for this purpose; however, he shall be designated in the list of subcontractors.

Where a portion of the work which has been subcontracted by the Contractor is not being prosecuted in a manner satisfactory to the District, the subcontractor shall be removed immediately on the requisition of the Engineer and shall not again be employed on the work.

6.03 CHARACTER OF WORKMEN

If any subcontractor or person employed by the Contractor shall fail or refuse to carry out the directions of the Engineer or shall appear to the Engineer to be incompetent or to act in a disorderly or improper manner, he shall be discharged immediately on the requisition of the Engineer, and such person shall not again be employed on this work.

6.04 TEMPORARY SUSPENSION OF THE WORK

The Engineer shall have the authority to suspend the work wholly or in part, for such period as he may deem necessary, due to unsuitable weather, or to such other conditions as are considered unfavorable for the suitable prosecution of the work, or for such time as he may deem necessary due to the failure on the part of the Contractor to carry out orders given, or to perform any provision of the contract. The Contractor shall immediately comply with the written order of the Engineer to suspend the work wholly or in part. The work shall be resumed when conditions are favorable and methods are corrected, as ordered or approved in writing by the Engineer.

6.05 ASSIGNMENT

The contract may be assigned only upon written consent of the District. Such written consent to sublet, assign or otherwise dispose of any portion of the contract, shall not be construed to relieve the Contractor of any responsibility for the fulfillment of the contract.

6.06 TERMINATION OF CONTRACT

In the event the Contractor fails to prosecute the work with such diligence as will insure its completion as directed by the District, or Contractor shall fail to make payments to persons supplying labor or materials for the work, or Contractor does not comply with applicable law or instructions of General Manager-Chief Engineer, or Contractor is otherwise guilty of a substantial violation of any provision of the Agreement documents, then the District, without prejudice to such other and further right, remedy or relief it may be entitled to, may terminate the Agreement.

SECTION VII - PAYMENT

7.01 SCOPE OF PAYMENTS

The Contractor shall accept compensation, as herein provided, in full payment for furnishing all materials, labor, tools, and equipment necessary to the completed work and for performing all work contemplated and embraced under the contract; also for loss or damage arising from the nature of the work, or from the action of the elements, except as hereinbefore provided, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the District; and for all risks of description connected with the prosecution of the work, also for all expenses incurred in consequence of the suspension or discontinuance of the work as herein specified; and for completing the work according to the plans and specifications. Neither the payment of any estimate nor of any retained percentage shall relieve the Contractor of any obligation to make good any defective work or material.

7.01A Measurement and Computation of Quantities - All items of the work to be paid for at a contract price per unit of measurement will be measured by the Engineer in accordance with United States Standard Measures. A ton shall mean 2,000 pounds, avoirdupois. Except as otherwise expressly provided in the specifications, the methods of measurement and computation of quantities of such items will be determined by the Engineer, taking into account the price of the item relative to its quantity and the costs of measurement.

The weights of metalwork, pipe, and other metal parts to be paid for by weight will be determined by the Engineer on the basis of handbook weights, scale weights, or manufacturer's catalog weights, or in the absence of any of the foregoing, on the basis of estimated weights; provided, that weights of nonmetallic coatings will be excluded.

7.01B Payment at Contract Prices - The contract price for an item of the work shall include full compensation for all costs of that item, including the costs of any work, materials and equipment incidental to the item but not specifically shown or described in the drawings and specifications, subject only to such express limitations as may be stated in the specifications defining the item or prescribing payment therefor.

The contract prices shall include full compensation for all costs of any work, materials, and equipment required by the drawings and specifications at the time of contract award, but not covered by a contract price or otherwise expressly made the subject of direct payment.

7.02 PAYMENT AND COMPENSATION FOR ALTERED QUANTITIES

When alterations in plans or quantities of work are ordered and performed, the Contractor shall accept payment in full at the contract unit price for the actual quantities of work done and no allowance will be made for anticipated profits. Increased or decreased work involving supplemental agreements will be paid for as stipulated in such agreements.

7.03 ACCEPTANCE

The work shall be inspected for acceptance by the Engineer promptly upon receipt of notice in writing from the Contractor that the work is ready for such inspection.

The structures will not be finally accepted until the completion of the entire work under the contract.

7.04 DEDUCTIONS FROM PAYMENTS

The Riverside County Flood Control and Water Conservation District, by and through the Board of Supervisors or other appropriate District officer or officers, may at its option and at any time retain out of any amounts due the Contractor sums sufficient to cover any unpaid claims, provided that sworn statements of said claims shall have been filed in the office of the District or in the office of any other District officer or officers having jurisdiction thereover.

7.05 DELAYED PAYMENTS

All the monies due the Contractor under the contract will be paid by demand on the Treasurer of the District, prepared and approved as required by law, and it is understood that any delay in the preparation, approval and payment of these demands will not constitute a breach of contract on the part of the District.

7.06 FINAL PAYMENT

The Engineer, after the completion of the contract, shall make a final estimate in writing of the amount of work done thereunder, and the value of such work, and the District shall pay the entire sum so found to be due after deducting therefrom all previous payments. All prior partial estimates and payment shall be subject to correction in the final estimate and payment. The final payment shall not be due and payable until the expiration of 45 days from the date of acceptance of the work by the District.

It is mutually agreed between the parties to the contract that no certificate given or payments made under the contract, except the final payment, shall be conclusive evidence of the performance of the contract, either wholly or in part against any claim of the party of the first part, and no payment shall be construed to be an acceptance of any defective work or improper materials.

And the Contractor further agrees that the payment of the final amount due under the contract, and the adjustment and payment for any work done in accordance with any alterations of the same, shall release the Riverside County Flood Control and Water Conservation District, the Board of Supervisors, and the Engineer from any and all claims or liability on account of work performed under the contract or any alteration thereof.

7.07 CLAIMS RESOLUTION - CLAIMS UP TO \$375,000

In accordance with Public Contract Code Section 20104 - 20104.8 and other applicable law, public works claims of \$375,000 or less which arise between the Contractor and the District shall be resolved following the statutory procedure.

1. All claims shall be submitted in writing and accompanied by substantiating documentation. Claims must be filed on or before processing of the final payment unless other notice requirements are provided in the contract. "Claim" means a separate demand by the claimant for (1) a time extension, (2) payment of money or damages arising from work done by or on behalf of the claimant and payment of which is not otherwise expressly provided for or the

claimant is not otherwise entitled, or (3) an amount the payment of which is disputed by the District.

(a) Claims under \$50,000. The District shall respond in writing to the claim within 45 days of receipt of the claim, or, the District may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses or claims the District may have against the claimant. If additional information is needed thereafter, it shall be requested and provided upon mutual agreement of the District and the claimant. The District's written response shall be submitted 15 days after receiving the additional documentation, or within the same period of time taken by the claimant to produce the additional information, whichever is greater.

(b) Claims over \$50,000 but less than or equal to \$375,000. The District shall respond in writing within 60 days of receipt, or, may request in writing within 30 days of receipt of the claim, any additional documents supporting the claim or relating to defenses or claims the District may have against the claimant. If additional information is needed thereafter, it shall be requested and provided pursuant to mutual agreement between the District and the claimant. The District's response shall be submitted within 30 days after receipt of the further documents, or within the same period of time taken by the claimant to produce the additional information or documents, whichever is greater.

2. If the claimant disputes the District's response, or if the District fails to respond within the statutory time period, the claimant may so notify the District within 15 days of the receipt of the District's response or within 15 days of the District's failure to respond within the time prescribed, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon such demand, the District shall schedule a meet and confer conference within 30 days for settlement of the dispute.

3. If following the meet and confer conference, the claim or any portion thereof remains in dispute, the claimant may file a claim pursuant to Government Code § 900 et seq. and Government Code § 910 et seq. For purposes of those provisions, the time within which a claim must be filed shall be tolled from the time the claimant submits the written claim until the time the claim is denied as a result of the meet and confer process, including any time utilized for the meet and confer conference.

4. If a civil action is filed to resolve any claim, the provisions of Public Contract Code § 20104.4 shall be followed, providing for nonbinding mediation and judicial arbitration.

5. Location for Filing of Claims, Jurisdiction. Any legal action related to the performance of the work or the terms of the Contract Documents shall be filed only in the Superior Court of the State of California located in Riverside, California.

7.08 CLAIMS RESOLUTION - ALL CLAIMS (PUBLIC CONTRACT CODE SECTION 9204)

This Section is intended to help resolve disputes between the parties related to this project. Such disputes shall be brought to the attention of the District at the earliest possible time, so that such disputes may be promptly resolved, if possible, or other appropriate action or investigation may be promptly undertaken. Claims must be filed on or before the date of final payment as

required in Public Contract Code Section 20104.2. Public works claims which arise between the Contractor and the District shall be resolved using the following procedure:

A "claim" means a separate demand by the Contractor sent by registered mail or certified mail return receipt requested for one or more of the following: (a) a time extension including, without limitation, for relief from damages or penalties for delay assessed by the District; (b) payment by the District of money or damages arising from work done by or on behalf of the Contractor and payment for which is not otherwise expressly provided or to which the Contractor is not otherwise entitled; (c) payment of an amount that is disputed by the District. The Contractor shall furnish reasonable documentation to support the claim.

A. Form and Contents of Claim(s)

The Contractor shall furnish reasonable documentation to support the Claim, which shall be sent by registered mail or certified mail with return receipt requested to the District at the address provided herein this Section 7.08. The Contractor's written Claim must include, but not limited to, the following:

- 1) A statement to identify that it is a Claim under this Section 7.08, on a company letterhead, and a request for a decision on the Claim;
- 2) A detailed description or narrative of pertinent events, act, error, omission, unforeseen condition, event or other circumstance giving rise to the Claim;
- 3) Citation to contract provisions;
- 4) Theory of entitlement that provides a detailed justification for any remedy or relief sought by the Claim. This includes, but not limited to: a detailed cost breakdown, invoices, material tickets, staff logged time, summary of quantities, other cost records and total cost calculations;
- 5) Complete pricing of all cost impacts;
- 6) A time impact analysis of all time delays that shows actual time impact on the critical path; and
- 7) Documentation, District letters, notifications, related drawings and photos supporting items (1) through (6).

The Claim must be verified under penalty of perjury by Contractor's project superintendent as to the Claim's accuracy, and shall be priced like a Change Order, and must be updated at regular intervals as to cost and entitlement if a continuing Claim. Routine contract materials, for example, correspondence, RFI, Change Order requests, or payment requests shall not constitute a Claim. Contractor shall bear all costs incurred in the preparation and submission of a Claim.

Claims and support documentation related must be sent to:

Mr. Claudio M. Padres
Chief of Design and Construction Division
Riverside County Flood Control
and Water Conservation District
1995 Market Street
Riverside, CA 92501

B. Claims Procedure

- 1) Upon receipt of a Claim and the supporting documentation, the District shall conduct a reasonable review of the Claim and within 45 days, or an extended period as may be set by mutual agreement of the District and Contractor, provide the Contractor with a written statement identifying what portion of the Claim is still disputed and what portion is undisputed.
- 2) Notwithstanding the time period set forth in B.1) above, if the District needs approval from the Board of Supervisors to provide the Contractor with a written statement identifying the disputed portion and the undisputed portion of the Claim, and the Board of Supervisors does not meet within the 45 days or within the mutually agreed to extension of time following receipt of the Claim, the District shall have up to three (3) days following the next duly publicly noticed meeting of the Board of Supervisors after the forty-five (45) day period, or extension, expires to provide Contractor a written statement identifying the disputed portion and the undisputed portion of the Claim.
- 3) Any payment due on the undisputed portion of the Claim under this Section shall be processed and made within 60 days after the District issues its written statement. Amounts not paid in a timely manner as required by this Section 7.08 shall bear interest at 7% per annum. If the District fails to issue a written statement, the Claim shall be deemed rejected in its entirety. Failure by the District to respond to a claim from a Contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this Section shall result in the claim being deemed rejected in its entirety. A Claim that is denied by reason of the District's failure to have responded to the Claim, or its failure to otherwise meet the time requirements of this Section, shall not constitute an adverse finding with regard to the merits of the Claim or the responsibility or qualifications of the Contractor.
- 4) If the Contractor disputes the District's written response, or if the District fails to respond within the time prescribed, the Contractor may demand in writing, sent by registered mail or certified mail return receipt requested, an informal meet and confer conference for settlement of the portion of the Claim in dispute. Upon receipt of the demand, the District shall schedule a meet and confer conference within 30 days.
- 5) Within 10 business days following the conclusion of the meet and confer conference, if the Claim or any portion thereof remains in dispute, the District shall provide the Contractor a written statement identifying the portion of the Claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion shall be processed and made within 60 days after the District issues its written statement. Any disputed portion of the Claim, as identified by the Contractor in writing, shall be submitted to nonbinding mediation, with the District and Contractor sharing the associated costs equally. The District and Contractor shall mutually agree to a mediator within 10 business days after the disputed

portion of the Claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the Claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator.

- 6) For purposes of this Section, mediation includes any nonbinding process, including but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute with resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this Section. Unless otherwise agreed to by the District and the Contractor in writing, the mediation conducted pursuant to this Section 7.08 shall excuse any further obligation under Section 20104.4 of the Public Contract Code to mediate after litigation has been commenced.
- 7) If mediation is unsuccessful to resolve all issues, the parts of the Claim remaining in dispute shall be subject to applicable procedures outside of this Section and the requirements of Public Contract Code § 9204. The Claim resolution procedures in this Section do not preclude the District from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this Article does not resolve the parties' dispute.
- 8) Following the procedures set forth in this Section 7.08, including the mediation, if the Claim or any portion of it remains in dispute, the Contractor may file a Claim as provided in Chapter 1 (commencing with § 900) and Chapter 2 (commencing with § 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.
- 9) If the Government Code claim is denied, Contractor may file an action in court. If a civil action is filed to resolve any claim, such action shall be subject to the provisions of Public Contract Code Sections 9204 or 20104.4 and shall be followed, providing for non-binding mediation and judicial arbitration. This Section applies only to claims subject to Public Contract Code Sections 9204 or 20104. If a claim is not subject to Public Contract Code Sections 9204 or 20104, the Contractor's right to file a civil action shall be as otherwise provided by law.

C. Subcontractor Claim(s)

If a subcontractor or a lower tier subcontractor has a Claim, the Contractor may present to the District a Claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the Contractor present a Claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the Claim be presented to the District shall furnish reasonable documentation as set forth in Section 7.08 to support the Claim. Within 45 days of receipt of this written request, the Contractor shall notify the subcontractor in writing as to whether the Contractor presented the

Claim to the District, and if the Contractor did not present the Claim, provide the subcontractor with a statement of the reasons for not having done so.

D. Consistency with Public Contract Code Sections 9204 and 20104

If any Claim(s) arising under this Contract is subject to the provisions of Public Contract Code Sections 9204 or 20104 et seq. (Div. 2, Part 3, Chapter 1, Article 1.5), and if provisions of those statutory sections require a procedure or procedural element different from that established in this Contract, then the provisions of those statutory sections shall apply in place of the conflicting procedure or procedural element established herein.

E. Any legal action related to the performance of the work or the terms of the Contract Documents shall be filed only in the Superior Court of the State of California located in Riverside, California.

SECTION VIII - GENERAL

8.01 COOPERATION BETWEEN CONTRACTORS

The Contractor shall be required to cooperate fully with all utility and public agency representatives engaged in construction, relocation, altering or otherwise rearranging any facilities interfering with the progress of the work.

Full compensation for any delay or inconvenience to the Contractor's operation due to such operations as described above shall be considered included in the unit price paid for other items of work and no additional allowance will be made therefor.

8.02 INSURANCE - INDEMNIFICATION/HOLD HARMLESS/DEFEND

1. Insurance.

Contractor shall not commence work under this contract until he has obtained the insurance required hereunder and satisfactory proof of said insurance has been submitted to District and has been approved as to form by Riverside County Counsel.

Without limiting or diminishing the Contractor's obligation to indemnify, defend or hold the District harmless, Contractor shall procure and maintain or cause to be maintained, at its sole cost and expense, the following insurance coverages during the term of this Contract. In respects to the requirements for the Project and as further described in this Section, the District herein refers to the Riverside County Flood Control and Water Conservation District, the County of Riverside, its Agencies, Districts, Special Districts and Departments, and any municipal corporation or governmental entity in which the work is to be accomplished, their respective directors, officers, Board of Supervisors, governing boards or councils, employees, elected and appointed officials, agents, representatives as Additional Insured.

Workers' Compensation - If the Contractor has employees as defined by the State of California, the Contractor shall maintain statutory Workers' Compensation Insurance (Coverage A) as prescribed by the laws of the State of California. Policy shall include Employers' Liability (Coverage B) including Occupational Disease with limits not less than **\$1,000,000** per person per

accident. The policy shall be endorsed to waive subrogation in favor of the District and County of Riverside.

Commercial General Liability - Commercial General Liability insurance coverage, including but not limited to, premises liability, contractual liability, products and completed operations liability, personal and advertising injury, cross liability coverage and employment practices liability, covering claims which may arise from or out of Contractor's performance of its obligations hereunder. Policy shall name the District, all Agencies, Districts, Special Districts, and Departments of the County of Riverside, together with their respective directors, officers, Board of Supervisors, employees, elected or appointed officials, agents or representatives as Additional Insureds. Policy's limit of liability shall not be less than **\$2,000,000** per occurrence combined single limit. If such insurance contains a general aggregate limit, it shall apply separately to this agreement or be no less than two (2) times the occurrence limit.

Vehicle Liability - If Contractor's vehicles or mobile equipment are used in the performance of the obligations under this Agreement, then Contractor shall maintain liability insurance for all owned, non-owned or hired vehicles so used in an amount not less than **\$1,000,000** per occurrence combined single limit. If such insurance contains a general aggregate limit, it shall apply separately to this agreement or be no less than two (2) times the occurrence limit. Policy shall name the District, all Agencies, Districts, Special Districts, and Departments of the County of Riverside, together with their respective directors, officers, Board of Supervisors, employees, elected or appointed officials, agents or representatives as Additional Insureds.

Pollution and Asbestos Liability - If hazardous material is encountered during construction, the Project Manager must be notified immediately, and if any work is done to remove it, any Contractor performing work shall obtain and keep in effect during the term of their contract with Contractor, Pollution Liability Insurance, including Asbestos Liability Insurance, covering the subcontractor's liability for bodily injury, property damage, and environmental damage resulting from "sudden accidental" or "gradual" pollution and related cleanup costs incurred by the subcontractor, all arising out of the work or services (including the transportation risk, when applicable) to be performed under this contract. Combined single limit per occurrence shall not be less than \$2,000,000, or the equivalent. Annual aggregate limit shall not be less than \$4,000,000.

If the Contractor maintains broader coverage and/or higher limits than the minimums shown above, the District requires and shall be entitled to the broader coverage and/or higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the District.

General Insurance Provisions - All lines -

a) Any insurance carrier providing insurance coverage hereunder shall be admitted to the State of California and have an A.M. Best rating of not less than A: VIII (A:8) unless such requirements are waived, in writing, by the District Risk Manager. If the District's Risk Manager waives a requirement for a particular insurer such waiver is only valid for that specific insurer and only for one policy term.

b) The Contractor's insurance carrier(s) must declare its insurance deductibles or self-insured retentions. If such deductibles or self-insured retentions exceed \$500,000 per occurrence such deductibles and/or retentions shall have the prior written consent of the District's Risk Manager before the commencement of operations under this Agreement. Upon notification

of deductibles or self-insured retentions unacceptable to the District, and at the election of the District's Risk Manager, Contractor's carriers shall either, 1) reduce or eliminate such deductibles or self-insured retentions as respects this Agreement with the District, or 2) procure a bond which guarantees payment of losses and related investigations, claims administration, and defense costs and expenses.

c) Contractor shall cause Contractor's insurance carrier(s) to furnish the District with either 1) a properly executed original Certificate(s) of Insurance and certified original copies of Endorsements effecting coverage as required herein, or 2) if requested to do so orally or in writing by the District's Risk Manager, provide original certified copies of policies including all Endorsements and all attachments thereto, showing such insurance is in full force and effect. Further, said Certificate(s) and policies of insurance shall contain the covenant of the insurance carrier(s) that 30 days written notice shall be given to the District prior to any material modification, cancellation, expiration or reduction in coverage of such insurance. In the event of a material modification, cancellation, expiration, or reduction in coverage, this Agreement shall terminate forthwith, unless the District receives, prior to such effective date, another properly executed original Certificate of Insurance and original copies of endorsements or certified original policies, including all endorsements and attachments thereto evidencing coverages set forth herein and the insurance required herein is in full force and effect. Contractor ***shall not commence operations until the District has been furnished original Certificate(s) of Insurance and certified original copies of endorsements or policies of insurance including all endorsements and any and all other attachments as required in this Section. An individual authorized by the insurance carrier to do so on its behalf shall sign the original endorsements for each policy and the Certificate of Insurance.***

d) It is understood and agreed to by the parties hereto and the insurance company(s), that the Certificate(s) of Insurance and policies shall so covenant and shall be construed as primary insurance, and the District's insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.

e) The District's Reserved Rights--Insurance. If, during the term of this Agreement or any extension thereof, there is a material change in the scope of services; or, there is a material change in the equipment to be used in the performance of the scope of work (such as the use of aircraft or watercraft), the District reserves the right to adjust the types of insurance required under this Agreement and the monetary limits of liability for the insurance coverages currently required herein, if, in the District's Risk Manager's reasonable judgment, the amount or type of insurance carried by the Contractor has become inadequate.

f) Contractor shall pass down the insurance obligations contained herein to all tiers of subcontractors working under this Agreement.

g) The insurance requirements contained in this Agreement may be met with a program(s) of self-insurance acceptable to the District.

h) Said insurance must contain an endorsement that District, County of Riverside, and any municipal corporation or governmental entity in which the work is to be accomplished, are named as an additional insured as respects the work covered hereunder. Said insurance must not contain, as respects the work covered hereunder, any exclusions as to bodily injury or death or property damage arising out of blasting, explosion, or underground damage to wire, pipes, conduits, mains, sewers, tank tunnels or any similar property, i.e., the so-called "x c u" exclusions. The insurance certificate evidencing such insurance must affirmatively state that the insurance carrier(s) will give District 30 days written notice prior to cancellation of the insurance or a reduction in coverage; must state that the "x c u" exclusions are waived or do not exist in the policy(s); and that District, County of Riverside, and any municipal corporation in which the work is to be accomplished, are named as an additional insured as respects the work covered hereunder.

The cost of this insurance shall be included in the prices for the various items of work and no additional compensation will be made therefor.

2. Indemnification - Hold Harmless and Defend.

Contractor shall indemnify and hold harmless the District, County of Riverside, and any municipal corporation or governmental entity in which the work is to be accomplished, together with its Agencies, Districts, Special Districts and Departments, their respective directors, officers, Board of Supervisors, elected and appointed officials, employees, agents and representatives (individually and collectively hereinafter referred to as Indemnitees) from any liability whatsoever, based or asserted upon any acts, omissions or services of Contractor, its officers, employees, subcontractors, agents or representatives arising out of or in any way relating to this Contract, relating to or in any way connected with or arising from the accomplishment of the work, whether or not in furtherance of the work, including but not limited to property damage, bodily injury, or death or any other element of any kind or nature whatsoever arising from the performance of Contractor, its officers, employees, subcontractors, agents or representatives Indemnitors from this Contract. Contractor shall defend, at its sole expense, all costs and fees including, but not limited, to attorney fees, cost of investigation, defense and settlements or awards, the Indemnitees in any claim or action based upon such alleged acts or omissions.

With respect to any action or claim subject to indemnification herein by Contractor, Contractor shall, at their sole cost, have the right to use counsel of their own choice and shall have the right to adjust, settle, or compromise any such action or claim without the prior consent of the District; provided, however, that any such adjustment, settlement or compromise in no manner whatsoever limits or circumscribes Contractor's indemnification to Indemnitees as set forth herein.

Contractor's obligation hereunder shall be satisfied when Contractor has provided to District the appropriate form of dismissal relieving the Indemnitees from any liability for the action or claim involved.

The specified insurance limits required in this Agreement shall in no way limit or circumscribe Contractor's obligations to indemnify and hold harmless the Indemnitees herein from third party claims.

In the event there is conflict between this clause and California Civil Code Section 2782, this clause shall be interpreted to comply with Civil Code 2782. Such interpretation shall not relieve the Contractor from indemnifying the Indemnitees to the fullest extent allowed by law.

3. Obligations.

The obligations assumed by Contractor cover all obligations set forth in this Subsection and elsewhere in the Contract Documents, such as Subsections 5.01, 5.02, 5.05, 5.06, 5.08, 5.09, 5.10, 10.01, and 10.02.

8.03 PUBLIC UTILITIES

The locations of all pipelines, power lines, communication lines and other utility components known to District to exist within the limits of the work, are indicated on the drawings and may be the subject of a specific Special Provision(s). Size, location and characteristics of such

utilities is based upon information made available to District - primarily from the owner of the utility in question. The exactness of such information is not guaranteed but may be assumed to have been accomplished with reasonable accuracy.

In addition to the drawings and any such provision regarding utilities, Contractor is under a duty to take into account the location of service laterals or other appurtenances which can be inferred from the presence of facilities such as buildings, meters and junction boxes in or about the limits of the work.

Unless otherwise directed by the Contract Documents, all existing utilities - where shown or described or not - shall be left in place and Contractor must conduct its operations so that such utilities are protected from damage at all times during the course of the work and the work must be accomplished so as to give such utilities proper protection and support upon completion of the work by Contractor.

If during the course of the work, Contractor discovers underground utility components not indicated in the drawings, the Special Provisions or elsewhere in the Contract Documents, Contractor must immediately notify, in writing, the Engineer and the utility company (public or private) involved, stating with exactness the condition found.

When Contractor encounters a utility not shown or described in the Contract Documents, Contractor shall cease all work which would disturb such utility and its support until given specific instructions as to how to proceed regarding such utility by Engineer

8.04 PROTECTION OF EXISTING STREET FACILITIES

The Contractor shall be responsible for the protection of existing signs, fences, concrete curbs, gutters and other facilities which may be encountered. The replacement or repair of any facilities which the District deems necessary as a result of the Contractor's operations shall be done by the Contractor at his own expense and to the satisfaction of the Engineer.

Excavation within the street right of way shall be conducted in a manner to cause the least interruption to traffic. Where traffic must cross open trenches, the Contractor shall provide suitable bridges at street intersections and driveways. Hydrants under pressure, valve pipe covers, valve boxes, curb stop boxes, fire or police call boxes, or other utility controls shall be left unobstructed and accessible during construction.

8.05 DUST ABATEMENT

During the performance of all work included in the contract, the Contractor shall take the necessary precautions to save the District free and harmless from any loss or damage resulting from his operations that raise or produce dust in such amounts that will be objectionable, and/or cause damage to adjacent property or property owners.

The Contractor will be required to have a positive and continuous method of dust control which is satisfactory to the Engineer. The methods to be used for controlling dust in the construction area and along haul roads shall be approved by the Engineer prior to starting any of the work included in the contract. All costs incidental to dust control shall be included in the unit prices paid for other items of work in the schedule.

SECTION IX - WATERING

9.01 DESCRIPTION

This work shall consist of developing a water supply for all water required for the work. The application of the water shall be under the control of the Engineer at all times and shall be applied in the amounts and at the locations approved by the Engineer.

Where water is required, At least one mobile unit of at least 1,000-gallon capacity for applying water shall be available on the project at all times.

Water for compacting embankment material and for laying dust shall be applied by means of pressure-type distributors or pipelines equipped with a spray system or hoses with nozzles that will ensure a uniform application of water.

No separate payment or additional allowances will be made for this work and all costs in connection therewith will be considered as included in other items in the schedule.

SECTION X - PUBLIC CONVENIENCE, TRAFFIC CONTROL AND DETOURS

10.01 GENERAL

The Contractor shall so conduct his operations as to offer the least possible obstruction and inconvenience to the public and he shall have under construction no greater length or amount of work than he can prosecute properly with due regard to the rights of the public.

Unless otherwise provided in the Special Provisions, all public traffic shall be permitted to pass through the work with as little inconvenience and delay as possible.

Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately at the Contractor's expense.

Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

Convenient access to driveways, houses and buildings along the line of work shall be maintained and temporary approaches to crossings or intersecting highways shall be provided and kept in good condition.

10.02 SIGNS

It shall be the responsibility of the Contractor to provide and maintain all lights, barricades and signs, both on and off the site of work, as required by the Engineer, and all such devices shall be of a type approved by him.

If, in any case, the Engineer finds it necessary to replace, add to or erect said barricades, signs, or lights, when the Contractor fails to do so when informed, the Contractor shall be billed for all costs thereof including a daily rental fee for signs.

No separate payment, unless otherwise provided for under the Special Provisions, will be made for traffic control and detour signing and all costs incidental to these items shall be included in the unit prices paid for other items of work.

10.03 MATERIALS STORAGE

Storing or stockpiling of excavated material, imported backfill material or construction materials on any street or highway will not be permitted except as approved in writing by the Engineer.

APPENDIX "A"

Emergency Permits and Standard Permit Conditions and Requirements

[see attached behind this page]

Noble Creek Channel - Beaumont Avenue Bridge Nose Emergency Permit Specifications

RGP 63 – Army Corps of Engineers and Regional Water Quality Control Board

1. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Santa Ana Basin Plan or Santa Ana Regional Water Quality Control Board policy. The Water Boards may impose monitoring requirements at any time in order to ensure that permitted discharges and activities comport with any applicable water quality standards and/or effluent limitations.
2. Standard construction stormwater best management practices (BMPs) will be in place to reduce the discharge of construction related materials to Nobel Creek.
3. If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).
4. At all times, appropriate types and sufficient quantities of materials shall be maintained on site to contain and clean up any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the state. Construction personnel must know how to use appropriate containment and clean up materials.
5. Fueling, lubrication, maintenance, storage, and staging of vehicles and equipment must not result in a discharge to any waters of the state, and shall be located outside of waters of the state in areas where accidental spills are not likely to enter or affect such waters.
6. Construction dewatering discharges, including temporary stream diversions necessary to carry out the Project, are subject to regulation by Regional Board Order No.R8-2015-0004, General Waste Discharge Requirements for Discharges to Surface Waters that Pose an Insignificant (De Minims) Threat to Water Quality.

1610 – CDFW

1. The person(s) completing the emergency work should prevent raw cement, concrete, or washings thereof, asphalt, paint, or other coating material, oil or other petroleum products, or any other substance which can be deleterious to aquatic life from contaminating soil and/or entering a river, stream, lake or other waters of the state. (See Fish and Game Code section 5650.)
2. The person(s) completing the emergency work should minimize the disturbance or removal of vegetation in completing the work.

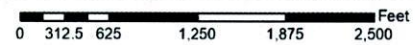


Date: 8/13/2020

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

Noble Creek Channel Emergency Work - Site Location

Figure 2



1:9,464

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID,
IGN, and the GIS User Community

From: [Bill, Jason@Waterboards](mailto:Bill_Jason@Waterboards)
To: Sheppard, Randy; [James E. Mace \(james.e.mace@usace.army.mil\)](mailto:James.E.Mace@usace.army.mil)
Cc: Payne, Elizabeth@Waterboards; Jennings, Eugene; Valle, Joan
Subject: NOA WDID 63-332020-03 RE: Noble Creek Channel - Apple Fire RGP 63 Notification
Date: Thursday, September 3, 2020 1:43:16 PM

Mr. Sheppard,

Thank you for the notification of the emergency conditions that exist in Nobel Creek. This email serves as a Notice of Applicability for enrollment of the proposed project in the Certification for Regional General Permit 63. Please follow the terms and conditions of the General Certification Order when taking action to prevent or mitigate loss of, or damage to life, health, property, or essential public services. Conditions include but are not limited to:

1. At the end of project activities, Riverside County Flood Control and Water Conservation District must provide the Santa Ana Water Board and the State Water Board copies of all correspondence and reports that are submitted to the Corps to satisfy the requirements of RGP 63. In addition, the discharger must fill in and submit the form provided in Attachment E. Failure to submit Attachment E within 45 calendar days of completion of any emergency actions conducted under this Certification may result in the imposition of administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Santa Ana Basin Plan or Santa Ana Regional Water Quality Control Board policy. The Water Boards may impose monitoring requirements at any time in order to ensure that permitted discharges and activities comport with any applicable water quality standards and/or effluent limitations.
3. Standard construction stormwater best management practices (BMPs) will be in place to reduce the discharge of construction related materials to Nobel Creek.
4. Permitted actions shall not result in the taking of any State endangered species, threatened species, or candidate species, or the habitat of such a species unless the activity is authorized by the California Department of Fish and Wildlife pursuant to a permit, memorandum of understanding, or other document or program in accordance with Fish and Game Code sections 2081, 2081.1, or 2086.
5. All repairs and reconstruction shall be kept to the minimum necessary to alleviate the immediate emergency and limited to in-kind replacement or refurbishment of on-site features. Minor upgrading may be considered if bioremediation or other environmentally sensitive solutions are used. Permanent restoration work other than that performed as an associated part of the emergency actions, including any minor upgrades, shall not be performed without prior approval and authorization by the Santa Ana Regional Water Board. Please submit the As-Built drawings for Nobel Creek to the Santa Ana Water Board.
6. If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).
7. At all times, appropriate types and sufficient quantities of materials shall be maintained on site to contain and clean up any spill or inadvertent release of materials that may cause a

- condition of pollution or nuisance if the materials reach waters of the state. Construction personnel must know how to use appropriate containment and clean up materials.
8. Fueling, lubrication, maintenance, storage, and staging of vehicles and equipment must not result in a discharge to any waters of the state, and shall be located outside of waters of the state in areas where accidental spills are not likely to enter or affect such waters.
 9. Construction dewatering discharges, including temporary stream diversions necessary to carry out the Project, are subject to regulation by Regional Board Order No.R8-2015-0004, General Waste Discharge Requirements for Discharges to Surface Waters that Pose an Insignificant (De Minims) Threat to Water Quality.
 10. Permitted activities shall be the minimum necessary to alleviate the immediate emergency and a sequence of actions must be taken to first avoid and then to minimize adverse impacts to aquatic resources. Compensatory mitigation may be required to offset any remaining unavoidable adverse impacts to aquatic resources.

Thank you,

Jason Bill
Environmental Scientist
Santa Ana Regional Water Quality Control Board
3737 Main Street, Suite 500
Riverside, CA 92501
Phone: 951-782-3295
Email: Jason.Bill@Waterboards.ca.gov

From: Sheppeard, Randy <rsheppea@RIVCO.ORG>
Sent: Thursday, August 13, 2020 4:30 PM
To: James E. Mace (james.e.mace@usace.army.mil) <james.e.mace@usace.army.mil>; Bill, Jason@Waterboards <Jason.Bill@Waterboards.ca.gov>
Cc: Payne, Elizabeth@Waterboards <Elizabeth.Payne@waterboards.ca.gov>; Jennings, Eugene <ECJennin@rivco.org>; Valle, Joan <jvalle@RIVCO.ORG>
Subject: RE: Noble Creek Channel - Apple Fire RGP 63 Notification

EXTERNAL:

Hello,

To prepare for the threat of thunderstorms and the winter storm season, immediate emergency work is needed within the Nobel Creek Channel in the Cherry Valley/Beaumont area. Channel restoration within the channel sections of immediate concern could begin as soon as August 14th. The attached notification package also describes other channel sections where emergency work could become necessary during the storm season. This work is mostly limited to existing flood control facilities and easements. We request that the RGP63 authorization provide at least 6 months of coverage to allow for sediment/debris removal and erosion repairs throughout the upcoming storm season.

We requested the 401 fee from Finance, and the fee will be transmitted to the RWQCB as soon as it is available. Please confirm that this email was received and note that the original packages will not be mailed unless requested. The California Department of Fish and Wildlife will be notified of the emergency work in accordance with their emergency work notification requirements. Please feel free to contact me at the number below or Gene Jennings at 951.955.8377 with any questions. Thank you

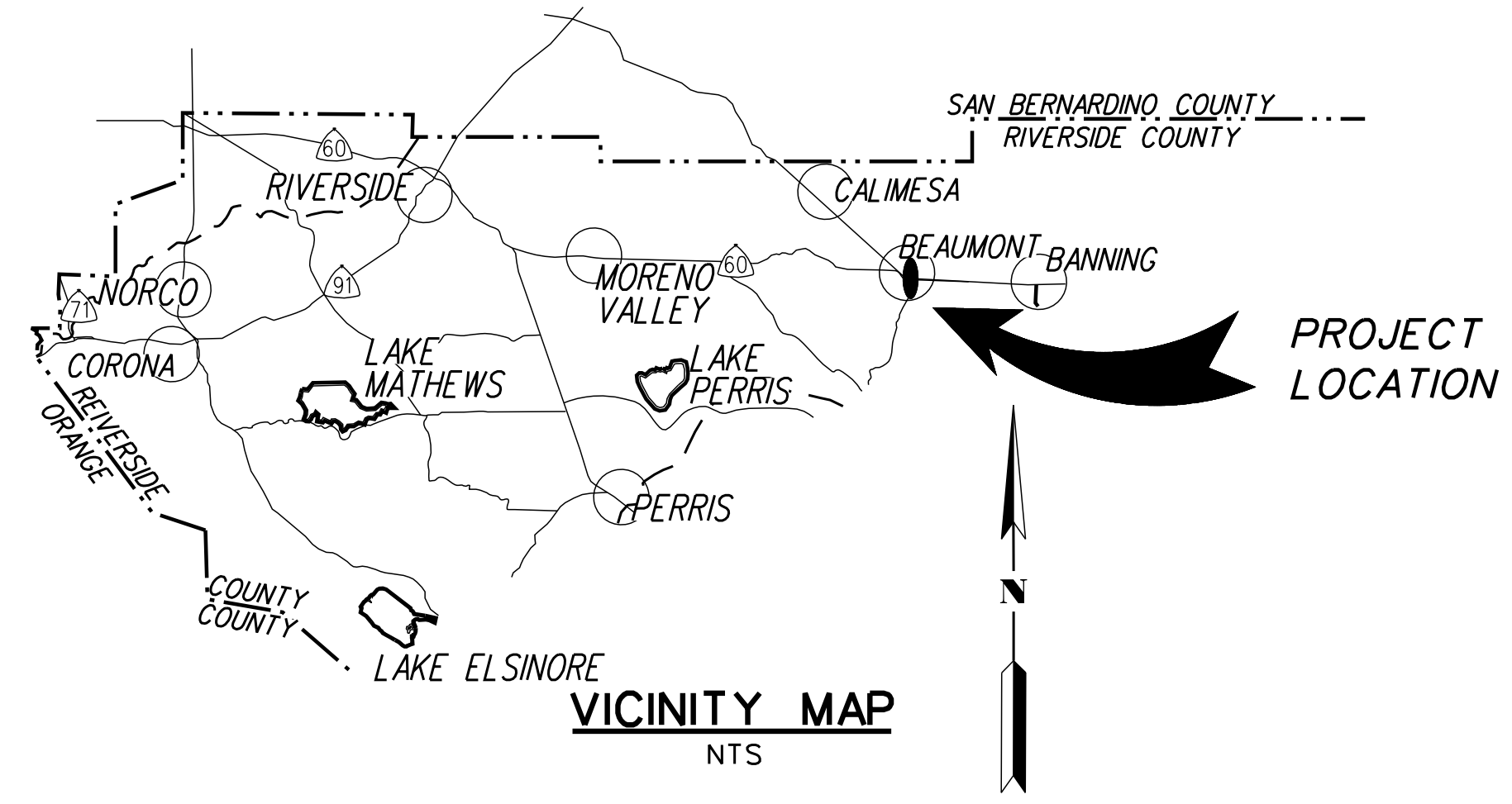
Randy Sheppeard
Senior Flood Control Planner
Environmental Regulatory Services 1
Riverside County Flood Control
and Water Conservation District
951 955-1306
rsheppea@rivco.org
Monday-Thursday 6:30am-5pm

Confidentiality Disclaimer

This email is confidential and intended solely for the use of the individual(s) to whom it is addressed. The information contained in this message may be privileged and confidential and protected from disclosure. If you are not the author's intended recipient, be advised that you have received this email in error and that any use, dissemination, forwarding, printing, or copying of this email is strictly prohibited. If you have received this email in error please delete all copies, both electronic and printed, and contact the author immediately.

[County of Riverside California](#)

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



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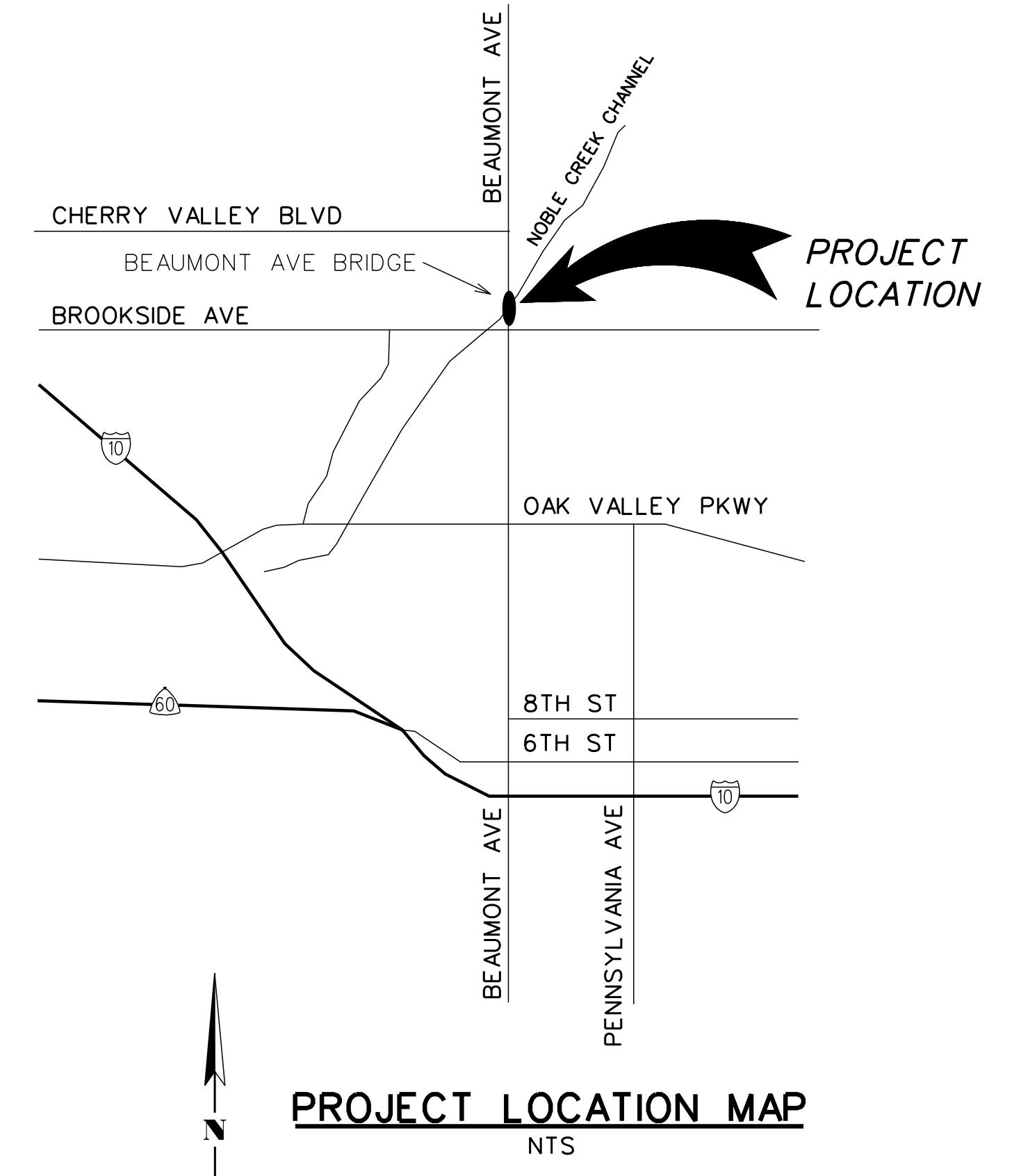
SHEET NO.:

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PROJECT QUANTITIES

ITEM/DESCRIPTION	UNIT	APPROXIMATE QUANTITY
EXCAVATION	C.Y.	18
CLASS A CONCRETE FOR PIER EXTENSION FOOTINGS	C.Y.	19
CLASS A CONCRETE FOR PIER EXTENSION WALLS	C.Y.	9
BRIDGE SAWCUT AND CONCRETE REMOVAL	L.F.	300
CHANNEL SAWCUT AND CONCRETE REMOVAL	L.F.	110
BRIDGE SURFACE PREPARATION	S.F.	2,200
CHANNEL SURFACE PREPARATION	S.F.	3,000
CLASS A HIGH PERFORMANCE CONCRETE FOR BRIDGE INVERT OVERLAY	S.F. C.Y.	2,200 17
CLASS A HIGH PERFORMANCE CONCRETE FOR CHANNEL INVERT OVERLAY	S.F. C.Y.	3,000 23
ADJUST 6" PVC CHANNEL WEEPHOLE TO GRADE	EA.	6
MISCELLANEOUS IRON AND STEEL	LBS	540

NOTE:
PROJECT COST ALSO INCLUDES ACTIVITIES AND MEASURES DESCRIBED IN THE SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, MOBILIZATION, WATER CONTROL, CLEARING AND MISCELLANEOUS WORK, DUST ABATEMENT, STORMWATER AND NON-STORMWATER POLLUTION CONTROL



CITY # PW2020-0555

REVIEWED BY: _____ DATE: _____
STAFF ENGINEER

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
ADMINISTRATIVE ENGINEER

APPROVED BY: *William D. Harts* DATE: 09/30/2020
CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

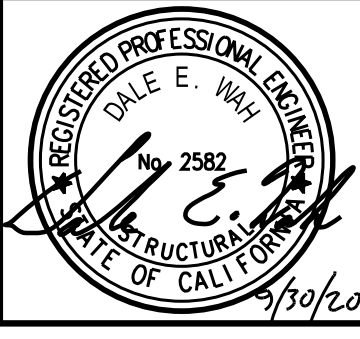
CITY OF BEAUMONT, PUBLIC WORKS DEPARTMENT 550E, 6th St
ENGINEERING DIVISION Beaumont, CA 92223
TEL: (951) 769-8520 FAX: (951) 769-8526

CONCURRED BY

Patricia Romo 9/30/2020
PATRICIA ROMO
DIRECTOR OF TRANSPORTATION
COUNTY OF RIVERSIDE

BRIDGE NUMBER 56C159
COUNTY BRIDGE NUMBER S8124

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BENCH MARK
STATION ID Z 13685
FD 1/2" IR W/RCFC TRISTA CAP
FLUSH, EL. = 2711.73 FEET
ON W'LY ACCESS ROAD NOBLE
CREEK (N'LY OF BROOKSIDE AVE)
NAD 83, ZONE 6, EPOCH 2007.00
NAVD 88

REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: *D. Ambartsumyan/D. Kuang*
DRAWN BY: T. NGUYEN
DATE DRAWN: SEPT 2020
P8 NUMBER: P8\233764

RECOMMENDED FOR APPROVAL BY: _____
DATE: 9/30/2020

APPROVED BY: *[Signature]*
GENERAL MANAGER/CHIEF ENGINEER
DATE: 9/30/2020

**NOBLE CREEK CHANNEL
STAGE 90 EMERGENCY PIER
EXTENSION & INVERT REPAIRS
TITLE SHEET**

PROJECT NO. 5-0-00020
DRAWING NO. 5-0234
SHEET NO. 1 OF 7

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020

SPECIFICATIONS

REFERENCED SPECIFICATIONS

REFERENCES MADE IN THE FOLLOWING SPECIFICATIONS TO "CALTRANS SPECIFICATIONS" OR "CALTRANS STANDARDS" REFER TO STANDARD SPECIFICATIONS OR STANDARD PLANS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, 2018 EDITION.

REFERENCES MADE IN THESE SPECIFICATIONS TO THE "GREENBOOK SPECIFICATIONS" REFER TO THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2018 EDITION, INCLUDING SUPPLEMENTS.

PROJECT SITE MAINTENANCE

THROUGH ALL PHASES OF CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF SECTION 3-12 OF THE GREENBOOK SPECIFICATIONS. BEFORE FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL CLEAN THE WORK AND THE SITE OF THE WORK OF ALL FALSEWORK, TEMPORARY STRUCTURES, OTHER CONSTRUCTION MATERIALS AND EQUIPMENT, EXCESS MATERIALS AND RUBBISH, AND SHALL LEAVE THE WORK AND THE SITE IN A NEAT AND PRESENTABLE CONDITION. SUCH FINAL CLEANUP WORK SHALL BE PERFORMED WITHIN THE TIME SPECIFIED FOR COMPLETION OF ALL OF THE WORK.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF STATE-WIDE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT (BOARD ORDER NO. 2009-0009-DWQ, NPDES NO. CAS000002 AS AMENDED BY BOARD ORDER NO. 2010-0014-DWQ AND BOARD ORDER NO. 2012-0006-DWQ) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES.

THE CONTRACTOR SHALL IMPLEMENT SITE SPECIFIC POLLUTION PREVENTION BEST MANAGEMENT PRACTICES (BMP) AS OUTLINED IN THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) BMP HANDBOOK DURING AND AFTER CONSTRUCTION TO MINIMIZE THE POTENTIAL POLLUTION OF STORMWATER AND NON-STORMWATER RUNOFF AND DOWNSTREAM RECEIVING WATERS.

THE IDENTIFIED BMPs SHALL BE PRACTICES DESIGNED TO MINIMIZE OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE AND CONTRACTOR'S CONSTRUCTION ACTIVITIES, INCLUDING, BUT NOT LIMITED TO:

- GOOD HOUSEKEEPING PRACTICES FOR SOLID AND SANITARY/SEPTIC WASTE MANAGEMENT, VEHICLE AND EQUIPMENT CLEANING/MAINTENANCE, AND MATERIAL HANDLING AND STORAGE.
- CONSTRUCTION PROCEDURES SUCH AS STABILIZED CONSTRUCTION ACCESS POINTS, SCHEDULING/PHASING TO MINIMIZE AREAS OF SOIL DISTURBANCE, SOIL STABILIZATION AND EROSION/SEDIMENT CONTROL.
- AT A MINIMUM, THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING CASQA BMPs:
 - EC-1 - SCHEDULING
 - SE-4 - CHECK DAMS/GRAVEL BAG BARRIERS
 - TC-1 - STABILIZED CONSTRUCTION ENTRANCE/EXIT
 - TC-2 - STABILIZED CONSTRUCTION ROADWAY
 - WE-1 - WIND EROSION CONTROL
 - WM-4 - SPILL PREVENTION, CONTROL AND CLEANUP
 - WM-5, WM-6 - WASTE HANDLING AND DISPOSAL

PROTECTION OF EXISTING FACILITIES AND STRUCTURES

ALL EXISTING FACILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE AT ALL TIMES, EXCEPT AS NOTED OTHERWISE ON THE PLANS. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

CLEARING AND MISCELLANEOUS WORK

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATION, TREES, ROOTS, STUMPS, FENCES, PIPES, ALL ABANDONED FACILITIES, CULVERTS, ROCKS, STRUCTURES, CONCRETE, AND ANY DEBRIS LOCATED WITHIN THE PROJECT AREA, AS DIRECTED BY THE DISTRICT ENGINEER.

WATER CONTROL

SURFACE WATER IN VARYING QUANTITIES AND GROUNDWATER CAN BE EXPECTED AT ANY TIME OF THE YEAR, AND SUBSTANTIAL RUNOFF CAN BE EXPECTED DURING PERIODS OF RAINFALL. WATER CONTROL INCLUDES CONTROL AND/OR DIVERSION OF SURFACE RUNOFF AS WELL AS GROUNDWATER WITHIN THE WORK AREA AS REQUIRED TO COMPLETE THE WORK. ALL WORK SHALL BE CARRIED ON IN AREAS FREE OF WATER. CARE SHOULD BE EXERCISED SO THAT RUNOFF OR DIVERSION FLOWS DO NOT ERODE, UNDERMINE OR OTHERWISE DAMAGE OR DEGRADE THE ADJACENT EXISTING STRUCTURES AND CONSTRUCTED FACILITIES, OR ALTER THE SUITABILITY OF THE SITE FOR THE PROPOSED WORK. THE RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING AND PROPOSED IMPROVEMENTS LIES WITH THE CONTRACTOR.

EXCAVATION AND BACKFILL

SAWCUTTING AND EXCAVATION SHALL INCLUDE THE EXCAVATION OF BROKEN CONCRETE AND HAULING IT OFFSITE AND SHALL BE KEPT TO THE MINIMUM WIDTHS REQUIRED FOR EFFICIENT PLACING OF VARIOUS CONCRETE STRUCTURES AND AS SHOWN IN THE CONSTRUCTION DRAWINGS. IN EXCAVATING FOR SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED, CARE SHALL BE EXERCISED IN REMOVING THE FINAL LIFT. THE FOUNDATION FOR ALL CONCRETE STRUCTURES WILL BE INSPECTED AND TESTED AFTER EXCAVATION. THE SUBGRADE SHALL BE NINETY-FIVE PERCENT (95%) RELATIVE COMPACTION PRIOR TO THE PLACEMENT OF CONCRETE. SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED SHALL BE FREE OF DEBRIS, MUD OR PONDED WATER. MATERIAL WHICH WILL NOT PROVIDE A SUITABLE FOUNDATION SHALL BE REMOVED AND REPLACED WITH COMPACTED SELECT MATERIAL AS DIRECTED BY THE ENGINEER.

REGARDLESS OF THE METHOD OF DENSIFICATION, BACKFILL MATERIAL SHALL NOT BE PLACED AGAINST ANY REINFORCED CONCRETE STRUCTURE UNTIL THE STRUCTURE HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE ENGINEER. BACKFILL WILL BE ACCOMPLISHED BY EITHER MECHANICAL METHODS OR BY PLACEMENT OF CONTROLLED LOW STRENGTH MATERIAL (CLSM).

SURPLUS EXCAVATED MATERIAL

ANY STOCKPILING, GRADING OR DISPOSAL OF MATERIAL OUTSIDE OF THE PROJECT LIMITS IS NOT COVERED UNDER THE DISTRICT'S PERMITS AND IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REGULATORY PERMITS THAT MAY BE REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, FEDERAL CLEAN WATER ACT (SECTIONS 401 AND 404), CALIFORNIA FISH AND GAME CODE (SECTION 1602) AND FEDERAL/STATE ENDANGERED SPECIES ACTS. ALL COSTS TO OBTAIN THESE REGULATORY PERMITS SHALL BE BORNE BY THE CONTRACTOR.

DUST ABATEMENT

IN THE IMPLEMENTATION OF DUST CONTROL MEASURES NECESSARY TO PREVENT HARM AND NUISANCE FROM DUST, THE CONTRACTOR SHALL COMPLY WITH ALL THE PROVISIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 403 DUST ABATEMENT INCLUDES THE ACTION NECESSARY TO PREVENT, REDUCE OR CONTROL DUST WITHIN THE WORK AREA AS REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL CARRY OUT PROPER AND EFFICIENT MEASURES TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY OR CAUSING A NUISANCE, OR HARM TO PERSONS LIVING NEARBY OR OCCUPYING BUILDINGS IN THE VICINITY OF THE WORK. THE METHODS TO BE USED FOR CONTROLLING DUST IN THE CONSTRUCTION AREA AND ALONG HAUL ROADS SHALL BE APPROVED BY THE ENGINEER PRIOR TO STARTING ANY WORK INCLUDED IN THIS CONTRACT. THE RULE 403 IMPLEMENTATION HANDBOOK PUBLISHED BY THE SCAQMD CONTAINS A DETAILED LISTING OF REASONABLY AVAILABLE DUST CONTROL MEASURES AND IS AVAILABLE FOR INSPECTION AT THE DISTRICT OFFICE.

CONCRETE CLASS "A"

WATER REDUCING AGENTS MEETING ASTM DESIGNATION: C-494 WILL BE PERMITTED IN AMOUNTS RECOMMENDED BY THE SUPPLIER AND APPROVED BY THE ENGINEER IN WRITING.

NO OTHER ADMIXTURE SHALL BE USED IN ANY CLASS OF CONCRETE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER, UNLESS OTHERWISE NOTED.

PRIOR TO PLACEMENT OF ANY CONCRETE THE CONTRACTOR SHALL SUBMIT MIX DESIGNS, FOR ALL TYPES OF CONCRETE TO BE PLACED, TO THE ENGINEER FOR APPROVAL. CONCRETE DELIVERED TO THE JOB SITE SHALL BE ACCOMPANIED BY A TICKET CONTAINING THE WEIGHT OF EACH OF THE INDIVIDUAL INGREDIENTS IN THE MIX.

CONCRETE SHALL NOT BE PLACED EXCEPT IN THE PRESENCE OF THE ENGINEER. THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO THE ENGINEER EACH TIME HE INTENDS TO PLACE CONCRETE. SUCH NOTICE SHALL BE FAR ENOUGH IN ADVANCE TO GIVE THE ENGINEER ADEQUATE TIME TO INSPECT THE SUBGRADE, FORMS, STEEL REINFORCEMENT AND OTHER PREPARATIONS FOR COMPLIANCE WITH THE SPECIFICATIONS BEFORE CONCRETE IS DELIVERED FOR PLACING.

FORMED CONCRETE SHALL BE PLACED IN HORIZONTAL LAYERS IN LIFTS OF NOT MORE THAN 20 INCHES. HOPPERS AND CHUTES, PIPES AND "ELEPHANT TRUNKS" SHALL BE USED AS NECESSARY TO PREVENT SEGREGATION OF THE CONCRETE.

MISCELLANEOUS IRON AND STEEL

ALL FERROUS METAL USED IN THE VARIOUS HYDRAULIC STRUCTURES, INCLUDING MATERIALS, PARTS AND FITTINGS SHALL CONFORM WITH ASTM DESIGNATION: A-36. ALL EXPOSED FERROUS METAL SHALL BE GALVANIZED PER SECTION 210-3 OF THE GREENBOOK SPECIFICATIONS.

USE OF THE CHANNEL INVERT

DUMP TRUCKS, CONCRETE TRUCKS AND EARTH MOVING EQUIPMENT (WHETHER FULL OR EMPTY) WILL NOT BE ALLOWED TO OPERATE ON THE INVERT OF THE CONCRETE CHANNEL, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

A SMALL CRANE WITH CAPACITY NOT TO EXCEED 10 TONS WILL BE PERMITTED TO OPERATE ON THE CONCRETE CHANNEL INVERT FOR THE PURPOSE OF SETTING AND MOVING FORMS, AND ERECTING THE STEEL REINFORCEMENT FOR THE WALLS. WHEEL LOADING TYPES AND AMOUNTS WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. VEHICLES OF 3/4 TON CAPACITY (OR LESS) WILL ALSO BE PERMITTED ACCESS TO THE INVERT. THE SPEED OF ANY VEHICLE USING THE INVERT WILL BE LIMITED TO 10 M.P.H. MAXIMUM TO AVOID IMPACT LOADING.

NO OTHER CATEGORY OF EQUIPMENT, EXCEPT THAT SPECIFICALLY APPROVED BY THE ENGINEER IN WRITING WILL BE PERMITTED TO USE THE INVERT OF THE CHANNEL FOR ACCESS TO THE WORK AREA.

FORM REMOVAL AND FINISH

FORMS SHALL BE REMOVED ONLY WHEN THE ENGINEER HAS GIVEN HIS APPROVAL. FORMS SHALL BE REMOVED IN SUCH A WAY AS TO PREVENT DAMAGE TO THE CONCRETE. SUPPORTS SHALL BE REMOVED IN A MANNER THAT WILL PERMIT THE CONCRETE TO TAKE STRESSES DUE TO ITS OWN WEIGHT UNIFORMLY.

FORMS SHALL NOT BE REMOVED SOONER THAN THE FOLLOWING MINIMUM TIME OR STRENGTH AFTER THE CONCRETE IS PLACED. THESE TIMES REPRESENT CUMULATIVE NUMBER OF DAYS AND FRACTIONS OF DAYS, NOT NECESSARILY CONSECUTIVE, DURING WHICH THE TEMPERATURE OF THE AIR ADJACENT TO THE CONCRETE IS ABOVE 50 DEGREES FAHRENHEIT. IF THE TEMPERATURE FALLS BELOW 50 DEGREES FAHRENHEIT AT ANY TIME AFTER THE CONCRETE IS PLACED IN THE FORMS, THE ENGINEER WILL ADVISE THE CONTRACTOR OF ADDITIONAL TIME REQUIRED BEFORE FORMS CAN BE REMOVED. FOR PIER NOSE EXTENSION WALLS - 1600 PSI. FOR ALL OTHER STRUCTURES- 16 HOURS

THE FINISH ON ALL EXPOSED FORMED SURFACES SHALL CONFORM TO SECTION 51-1.03F(3) CLASS 1 SURFACE FINISH OF THE CALTRANS SPECIFICATIONS. THE EXPOSED CONCRETE SURFACES SHALL BE BROOMED IN A TRANSVERSE DIRECTION WITH A FINE TEXTURED HAIR PUSH BROOM TO PRODUCE A UNIFORM SURFACE AND ELIMINATE FLOAT MARKS. BROOMING SHALL BE DONE WHEN THE SURFACE IS SUFFICIENTLY SET TO PREVENT DEEP SCARRING. IF DIRECTED BY THE ENGINEER, A FINE SPRAY OF WATER SHALL BE APPLIED TO THE SURFACE IMMEDIATELY IN ADVANCE OF BROOMING.

EXPOSED CORNERS OF ALL CONCRETE STRUCTURES SHALL BE FINISHED WITH A 3/4" CHAMFER.

CONCRETE FLATWORK SHALL MATCH ADJACENT SURFACES. THE CONCRETE SHALL BE STRUCK OFF AND TAMPED OR VIBRATED UNTIL A LAYER OF MORTAR HAS BEEN BROUGHT TO THE SURFACE. THE TOP SURFACE SHALL BE FINISHED TO MATCH ADJACENT SURFACES.

CURING

ALL CONCRETE SHALL BE PREVENTED FROM DRYING FOR A CURING PERIOD OF AT LEAST SEVEN (7) DAYS AFTER IT IS PLACED. SURFACES EXPOSED TO AIR DURING THE CURING PROCESS SHALL BE KEPT CONTINUOUSLY MOIST FOR THE ENTIRE PERIOD OR UNTIL CURING COMPOUND IS APPLIED.

FORMED SURFACES SHALL BE THOROUGHLY WETTED IMMEDIATELY AFTER FORMS ARE REMOVED AND SHALL BE KEPT WET UNTIL PATCHING AND REPAIRS ARE COMPLETED. WATER OR COVERING SHALL BE APPLIED IN SUCH A WAY THAT THE CONCRETE SURFACE IS NOT ERODED OR OTHERWISE DAMAGED. WATER FOR CURING SHALL BE CLEAN AND FREE FROM ANY SUBSTANCES THAT WILL CAUSE DISCOLORATION OF THE CONCRETE.

CONCRETE MAY BE COATED WITH CURING COMPOUND IN LIEU OF THE CONTINUED APPLICATION OF MOISTURE. THE CURING COMPOUND SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 90-1.03B(3) OF THE CALTRANS SPECIFICATIONS AND ASTM DESIGNATION C-309. THE CURING COMPOUND SHALL BE NO. 2 WHITE PIGMENTED CURING COMPOUND, TYPE 2, CLASS B.

THE CURING COMPOUND SHALL BE SPRAYED ON THE MOIST CONCRETE SURFACES AS SOON AS FREE WATER HAS DISAPPEARED, BUT SHALL NOT BE APPLIED TO ANY SURFACE UNTIL PATCHING, REPAIRS AND FINISHING OF THAT SURFACE ARE COMPLETED. THE CURING COMPOUND SHALL BE THOROUGHLY MIXED IMMEDIATELY BEFORE APPLYING, AND SHALL BE APPLIED AT A UNIFORM RATE OF NOT LESS THAN ONE GALLON PER 150 SQUARE FEET OF SURFACE. NO SEPARATE PAYMENT WILL BE MADE FOR THE CURING COMPOUND OR ITS APPLICATION.

JOINTS

JOINTS SHALL BE MADE AT THE LOCATIONS SHOWN ON THE DRAWINGS, OR AS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL CONSTRUCT, IN ONE CONTINUOUS CONCRETE PLACING OPERATION, ALL WORK COMPRISED BETWEEN SUCH JOINTS. JOINTS SHALL BE KEPT MOIST UNTIL ADJACENT CONCRETE IS PLACED.

ALL CONSTRUCTION JOINTS HAVING A KEYED, STEPPED, OR ROUGHENED SURFACE SHALL BE CLEANED BY SANDBLASTING PRIOR TO PLACEMENT OF THE ADJACENT CONCRETE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE SANDBLASTING OPERATIONS SHALL BE CONTINUED UNTIL ALL UNSATISFACTORY CONCRETE, LAITANCE, COATINGS, STAINS, DEBRIS, AND OTHER FOREIGN MATERIALS ARE REMOVED. THE SURFACE OF THE CONCRETE SHALL BE WASHED THOROUGHLY TO REMOVE ALL LOOSE MATERIAL.

SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED AS SET FORTH IN SECTION 51-1.03D(4) OF THE CALTRANS SPECIFICATIONS.

CITY # PW2020-0555

REVIEWED BY: _____ DATE: _____
STAFF ENGINEER

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
ADMINISTRATIVE ENGINEER

APPROVED BY: *William D. Harts* DATE: 09/30/2020
CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

CITY OF BEAUMONT, PUBLIC WORKS DEPARTMENT 550E, 6th St
Beaumont, CA 92223
ENGINEERING DIVISION TEL: (951) 769-8520 FAX: (951) 769-8526

CONCURRED BY

Patricia Romo 9/30/2020

PATRICIA ROMO DATE
DIRECTOR OF TRANSPORTATION
COUNTY OF RIVERSIDE

BRIDGE NUMBER 56C159
COUNTY BRIDGE NUMBER SB124



BENCH MARK

STATION ID Z 13685
FD 1/2" IR W/RFCF TRISTA CAP
FLUSH, EL. - 2711.73 FEET
ON W/LY ACCESS ROAD NOBLE
CREEK (N'LY OF BROOKSIDE AVE)

NAD 83, ZONE 6, EPOCH 2007.00
NAVD 88

REF.	DESCRIPTION	APPR.	DATE

REVISIONS

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: *D. AMBARTSUMYAN/D. KUANG* RECOMMENDED FOR APPROVAL BY: *Smadh...*

DRAWN BY: *T. NGUYEN* APPROVED BY: *[Signature]*

DATE DRAWN: **SEPT 2020** DATE: **9/30/2020**

P8 NUMBER: **P8\233764** DATE: **9/30/2020**

NOBLE CREEK CHANNEL STAGE 90 EMERGENCY PIER EXTENSION & INVERT REPAIRS

SPECIFICATIONS

PROJECT NO. **5-0-00020**

DRAWING NO. **5-0234**

SHEET NO. **2** OF **7**

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020

GENERAL STRUCTURAL NOTES

THESE NOTES SHALL APPLY UNLESS SHOWN/INDICATED OTHERWISE ELSEWHERE ON THE STRUCTURAL DRAWINGS.

GENERAL

- NEITHER THE DISTRICT NOR THE STRUCTURAL ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. SITE OBSERVATION VISITS BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE SAFETY ITEMS IF A LAWSUIT IS FILED BY ONE OF THE CONTRACTOR'S OR SUBCONTRACTOR'S EMPLOYEES, OR ANY ONE ELSE, BY ACCEPTING THIS CONSTRUCTION CONTRACT. CONTRACTOR AGREES TO INDEMNIFY, DEFEND AND HOLD THE DISTRICT AND AECOM, THEIR PARENT AND SUBSIDIARY COMPANIES HARMLESS OF ANY AND ALL SUCH CLAIMS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL WORK IS ADEQUATELY BRACED AND SHORED DURING CONSTRUCTION. ALL BRACING/SHORING SHALL BE DESIGNED BY A REGISTERED ENGINEER HIRED BY THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED IN WRITING BEFORE PROCEEDING WITH WORK.
- UNLESS DETAILED, SPECIFIED, OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND THESE GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON PLANS WHERE THEY OCCUR.
- THE PLANS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS AND METHODS TO ACCOMPLISH THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS AND PEDESTRIANS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK, ETC. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT BE CONSIDERED AS INSPECTION OF SUCH ITEMS.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON PLANS.
- ALL WORK SHALL CONFORM TO THE PLANS AND SPECIFICATIONS IN ALL RESPECTS AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL SITE UTILITIES PRIOR TO STARTING WORK, BOTH ABOVE AND BELOW GROUND, WHICH MAY BE IMPACTED BY THE WORK SHOWN ON THESE PLANS. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- ALL ITEMS SHOWN ON THESE PLANS ARE NEW UNLESS NOTED (E), EXIST. OR EXISTING.
- FOR ITEMS INDICATED TO BE DESIGNED BY CONTRACTOR OR MANUFACTURER, CONTRACTOR SHALL SUBMIT FOR REVIEW CALCULATIONS AND DRAWINGS PREPARED AND STAMPED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.

REINFORCING STEEL NOTES

- REINFORCEMENT FOR CONCRETE SHALL BE DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 (A706/A706M FOR WELDED REINFORCING). GRADE 60 STEEL SHALL BE USED EXCEPT THAT #3 BARS AND SMALLER MAY BE GRADE 40 STEEL.
- ALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER ANCHORAGES PLACED IN CONCRETE SHALL BE ACCURATELY PLACED AND POSITIVELY SECURED AND SUPPORTED BY CONCRETE BLOCKS, METAL CHAIRS, SPACERS, OR METAL HANGERS, AND SHALL BE IN POSITION BEFORE CONCRETE PLACING OR GROUTING IS BEGUN. DETAILING AND PLACING OF THE BARS SHALL CONFORM TO ACI SP-66 - ACI DETAILING MANUAL.
- BARS SPECIFIED AS "CONTINUOUS" SHALL EXTEND THE FULL LENGTH OF THE MEMBER CONTAINING THEM AND MAY BE SPLICED (UNLESS NOTED OR SHOWN WITHOUT SPLICES ON THE PLANS). IN CONCRETE, PROVIDE LAPS PER DETAIL 2 ON SHEET 5. STAGGER ALL SPLICES.
- DOWELS SHALL BE PROVIDED AT ALL POUR JOINTS AND SHALL BE THE SAME SIZE AND SPACING AS REINFORCING DIRECTLY BEYOND POUR JOINTS.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD, UNLESS OTHERWISE PERMITTED BY THE ENGINEER. REBENDING OF BARS IS NOT PERMITTED.
- WELDING OF REINFORCING STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO ANSI/AWS D1.4-18. USE LOW HYDROGEN E-70 SERIES ELECTRODES FOR WELDING OF REINFORCING BARS. CONTINUOUS INSPECTION IS REQUIRED OF ALL FIELD WELDING IN ACCORDANCE WITH AWS D1.4.

REINFORCING STEEL NOTES (CONTINUED)

- THE SPECIFIED DIMENSIONS OF THE VERTICAL LEGS OF "L" DOWELS, WHO HORIZONTAL LEGS ARE CAST INTO A FOOTING OR SLAB CAST ON TOP OF EARTH, ARE BASED UPON THE SLAB THICKNESS AS SHOWN ON THE DRAWINGS. IF A SLAB IS POURED THICKER THAN SHOWN ON THE DRAWINGS, SUCH AS FOR THE SUBGRADE OCCURRING AT A LOWER ELEVATION THAN SHOWN, THE VERTICAL LEGS MUST BE FABRICATED TO A LONGER LENGTH OR THE HORIZONTAL TAILS MUST BE SUPPORTED ABOVE SUBGRADE HIGH ENOUGH TO PROVIDE THE SAME AMOUNT OF LAP LENGTH BETWEEN THE DOWEL AND THE WALL VERTICAL REINFORCING.

CONCRETE NOTES (PIER NOSE EXTENSION FOOTING AND WALL)

- READY MIXED CONCRETE SHALL CONFORM TO ASTM A94.
- MINIMUM CONCRETE MIX DESIGN REQUIREMENTS SHALL BE AS NOTED IN THE TABLE BELOW. MINIMUM REQUIRED AVERAGE COMPRESSIVE STRENGTH (f'cr) SHALL BE IN ACCORDANCE WITH ACI 301-16, ARTICLE 4.2.3.

LOCATION	MINIMUM 28 DAY f'c	MIN CEMENTITIOUS MATERIAL (CM) LBS/CU YD	MAXIMUM WATER-CM RATIO	MAXIMUM COARSE AGGREGATE SIZE
PIER NOSE FOOTING	6,000 PSI	675	0.40	1 1/2"
PIER NOSE WALL	4,000 PSI	560	0.44	1"

- AGGREGATES FOR CONCRETE SHALL CONFORM TO ASTM C33. CEMENT FOR CONCRETE TYPE II SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150/C150M.
- FLY ASH USED IN CONCRETE SHALL BE CLASS F, NOT EXCEEDING 15% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIAL. CLASS N POZZOLANS WILL NOT BE ALLOWED.
- RECLAIMED CONCRETE MATERIAL WILL NOT BE ALLOWED IN CONCRETE MIX.
- MAXIMUM ALLOWABLE SLUMP BEFORE THE ADDITION OF WATER-REDUCING ADMIXTURE IS 4 INCHES.
- DRYPACK SHALL BE 1 PART CEMENT AND 3 PARTS SAND (BY VOLUME).
- CONCRETE COVER FOR REINFORCING BARS SHALL BE:
ALL LOCATIONS UNO - 2"
AT TOP OF PIER NOSE FOOTING - 6"
AT BOTTOM OF PIER NOSE FOOTING - 4"
- REFER TO DETAILED DRAWINGS FOR ALL MOLDS, GROOVES, CLIPS, GROUNDS, AND OTHER INSERTS TO BE CAST IN CONCRETE.
- THE LOCATION OF ALL CONSTRUCTION JOINTS NOT SPECIFICALLY NOTED OR SHOWN SHALL BE APPROVED BY THE ENGINEER.
- "ROUGHENED SURFACE", WHERE SPECIFIED ON THE DRAWINGS, SHALL BE MECHANICALLY ROUGHENED SUCH THAT A 1/4" AMPLITUDE IS ACHIEVED BETWEEN HIGH AND LOW SPOTS OF THE ROUGHENED SURFACE. THE SURFACE SHALL BE CLEAN AND FREE OF LAITANCE.
- TOP OF PIER NOSE FOOTING SHALL HAVE A STEEL TROWEL FINISH.
- PROVIDE 3/4" CHAMFER AT ALL EXPOSED (I.E., NOT BURIED OR CONCEALED FROM VIEW OR ACCESS) CONCRETE EDGES AND CORNERS.

CONCRETE NOTES (RCB AND CHANNEL INVERTS)

- INVERT OVERLAY THICKNESS VARIES BETWEEN 1.5 INCHES MINIMUM TO 3.5 INCHES.
- SURFACE PREPARATION TO BE PERFORMED PER OVERLAY MANUFACTURER'S RECOMMENDATIONS. FOR READY MIX CONCRETE OVERLAY, ROUGHEN SURFACE TO 1/4" AMPLITUDE. SURFACE NEEDS TO BE CLEAN, SOUND, AND SUITABLY ROUGHENED.
- EPOXY BONDING AGENT SIKADUR-32 HI-MOD LPL OR APPROVED EQUAL SHALL BE USED OVER THE PREPARED SURFACE AND BEFORE APPLYING THE CONCRETE OVERLAY LAYER.
- CONCRETE FOR OVERLAY SHALL BE HIGH PERFORMANCE CONCRETE MIX WITH 28 DAY f'c = 6,000 PSI MINIMUM, AND MAXIMUM COARSE AGGREGATE SIZE OF 3/8-INCH.
- CONCRETE OVERLAY MIX SHALL CORRESPOND TO SIKAGUICK-1000 EXTENDED WITH 3/8-INCH COARSE AGGREGATE OR APPROVED EQUAL.
- IF READY HIGH PERFORMANCE CONCRETE MIX IS TO BE USED, THE DESIGN NEEDS TO BE APPROVED BY THE ENGINEER PRIOR TO PRODUCTION AND PLACEMENT.

CONCRETE REMOVAL NOTES

- SAWCUT, REMOVE AND DISPOSE OF CONCRETE TO THE LIMITS SHOWN. DO NOT OVERCUT AT CORNERS.
- CONTAIN AND DISPOSE OF CONCRETE DUST AND DEBRIS GENERATED DURING REMOVAL.

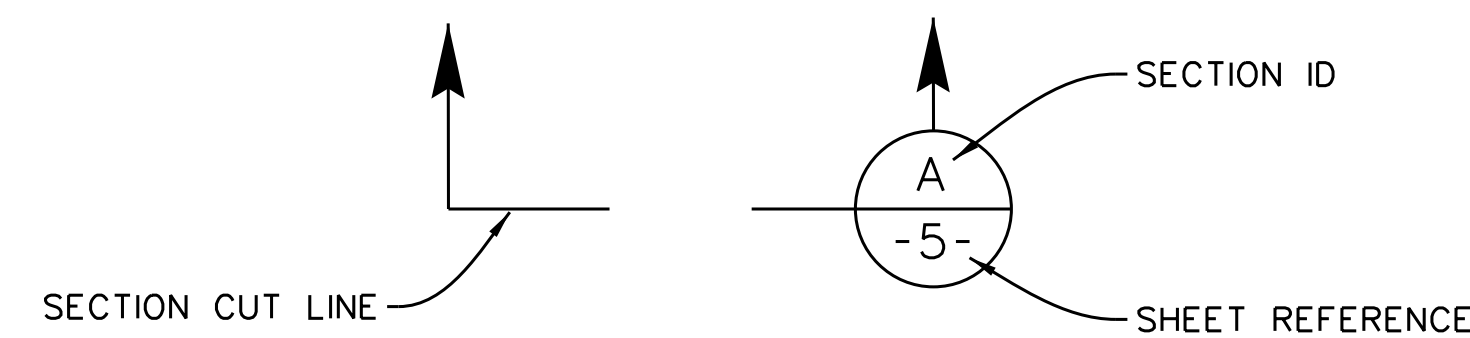
DRILL AND BOND DOWELS

- DRILL AND BOND DOWELS SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATION 41-10.
- PRIOR TO DRILLING HOLES, LOCATE EXISTING CONCRETE REINFORCEMENT USING A CONCRETE SCANNER OR OTHER NON-DESTRUCTIVE METHOD. MAINTAIN A MINIMUM CLEARANCE OF 1" BETWEEN REINFORCEMENT AND DRILL AND BOND DOWEL.

ABBREVIATIONS

& @	AND AT POUND(S), NUMBER	(E) EA EF EJ EL, EL EMBED EQ	EXISTING EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EQUAL	MATL MAX MB MECH MFR MIN MISC MFG MTL	MATERIAL MAXIMUM MECHANICAL BOLT MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS MANUFACTURER METAL
AB(S) ABV ACI ADCL ADJ AISC AISI	ANCHOR BOLT(S) ABOVE AMERICAN CONCRETE INSTITUTE ADDITIONAL ADJACENT AMERICAN INSTITUTE OF STEEL CONSTRUCTION AMERICAN IRON AND STEEL INSTITUTE	EQUIP ES EW EXP EXT	EQUIPMENT EACH SIDE EACH WAY EXPANSION EXTERIOR	(N) NDT	NEW NON-DESTRUCTIVE TESTING
ALUM ALT ANCH APROX ASCE	ALUMINUM ALTERNATE ANCHOR APPROXIMATE(LY) AMERICAN SOCIETY OF CIVIL ENGINEERS	FDN FG FIN FINISH FND/FDN FO FOC FT FTG	FOUNDATION FINISH GRADE FINISH FOUNDATION FACE OF FACE OF CONCRETE FOOT/FEET FOOTING	NIC NO NOM NS NSG NTS	NOT IN CONTRACT NUMBER NOMINAL NEAR SIDE NON-SHRINK GROUT NOT TO SCALE
ASTM AWS	AMERICAN SOCIETY FOR TESTING AND MATERIALS AMERICAN WELDING SOCIETY	GA GALV GR GRTG	GAGE/GAUGE GALVANIZED GRADE GRATING	OC OD OH OPNG(S) OPP ORIG	ON CENTERS OUTSIDE DIAMETER OPPOSITE HAND, OVERHEAD OPENING(S) OPPOSITE ORIGINAL
BEL BGS BLK BLKG BLDG BM BOT BRG BS BTWN	BELOW BELOW GROUND SURFACE BLOCK BLOCKING BUILDING BEAM BOTTOM BEARING BOTH SIDES BETWEEN	HDG (H)/HORIZ	HOT DIP GALVANIZED HORIZONTAL	RCFCD/RCFCWCD	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT (DISTRICT)
C CALC'S CANT CC, C/C CG CI CJ CL CLR CM CNJ CNTR CONC CONN CONST CONT CTR	CHANNEL CALCULATIONS CANTILEVER CENTER-TO-CENTER CUBIC FOOT CENTER OF GRAVITY CAST-IRON CONSTRUCTION JOINT CENTERLINE CLEAR CEMENTITIOUS MATERIAL CONTROL JOINT CENTER CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CENTER	HSS HT ID IF IN JT KIP KSI	HOLLOW STRUCTURAL SECTION HEIGHT INSIDE DIAMETER INSIDE FACE INCH JOINT 1,000 POUNDS KIPS PER SQUARE INCH	SMS SS/SSST SSPWC STL STRUCS SYM, SYMM SYS	SHEET METAL SCREW STAINLESS STEEL STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION STEEL STRUCTURE, STRUCTURAL SYMMETRICAL SYSTEM
DBL DEPT DET DIA DIAG DIM DL DN DIV D/S DWG(S) DWL	DOUBLE DEPARTMENT DETAIL DIAMETER DIAGONAL DIMENSION DEAD LOAD DOWN DIVISION DOWNSTREAM DRAWINGS DOWEL	∠ OR L LACBC LB(S) LB/SF LF LG LL LLH LLV LONG	ANGLE LOS ANGELES COUNTY BUILDING CODE POUND(S) POUND(S) PER SQUARE FOOT LINEAR FOOT LONG LONG LEG HORIZONTAL LONG LEG VERTICAL LONGITUDINAL	T T&B TEMP THD THK TL TOF TOS TRANS TYP TW	THICKNESS TOP AND BOTTOM TEMPORARY THREADED THICKNESS TOTAL LOAD TOP OF FOOTING TOP OF STEEL TRANSVERSE TYPICAL TOP OF WALL
UON/UNO U/S USACE UT VAR (V)/VERT W/ W.P W/O WP WS WT YD	UNLESS OTHERWISE NOTED UPSTREAM UNITED STATES ARMY CORP OF ENGINEERS ULTRASONIC TESTING VARIES VERTICAL WITH WATERPROOFING/WORKING POINT WITHOUT WATERPROOF/WORK POINT WATERSTOP WEIGHT, STRUCTURAL TEE, WALL THICKNESS YARD				

LEGEND



CITY # PW2020-0555

REVIEWED BY: _____ DATE: _____
STAFF ENGINEER

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
ADMINISTRATIVE ENGINEER

APPROVED BY: *William D. Hart* DATE: 09/30/2020
CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

CONCURRED BY: *Patricia Romo* DATE: 9/30/2020
PATRICIA ROMO
DIRECTOR OF TRANSPORTATION
COUNTY OF RIVERSIDE

CITY OF BEAUMONT, PUBLIC WORKS DEPARTMENT 550E, 6th St
ENGINEERING DIVISION Beaumont, CA 92223
TEL: (951) 769-8520 FAX: (951) 769-8526



BENCH MARK
STATION ID Z 13685
FD 1/2" IR W/RCFC TRISTA CAP
FLUSH, EL. = 2711.73 FEET
ON WLY ACCESS ROAD NOBLE
CREEK (N'LY OF BROOKSIDE AVE)
NAD 83, ZONE 6, EPOCH 2007.00
NAVD 88

REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D. AMBARTSUMYAN/D. KUANG
DRAWN BY: T. NGUYEN
DATE DRAWN: SEPT 2020
P8 NUMBER: P8X233764

RECOMMENDED FOR APPROVAL BY: *Smadhi Gungis*
APPROVED BY: *[Signature]*
DATE: 9/30/2020
DATE: 9/30/2020

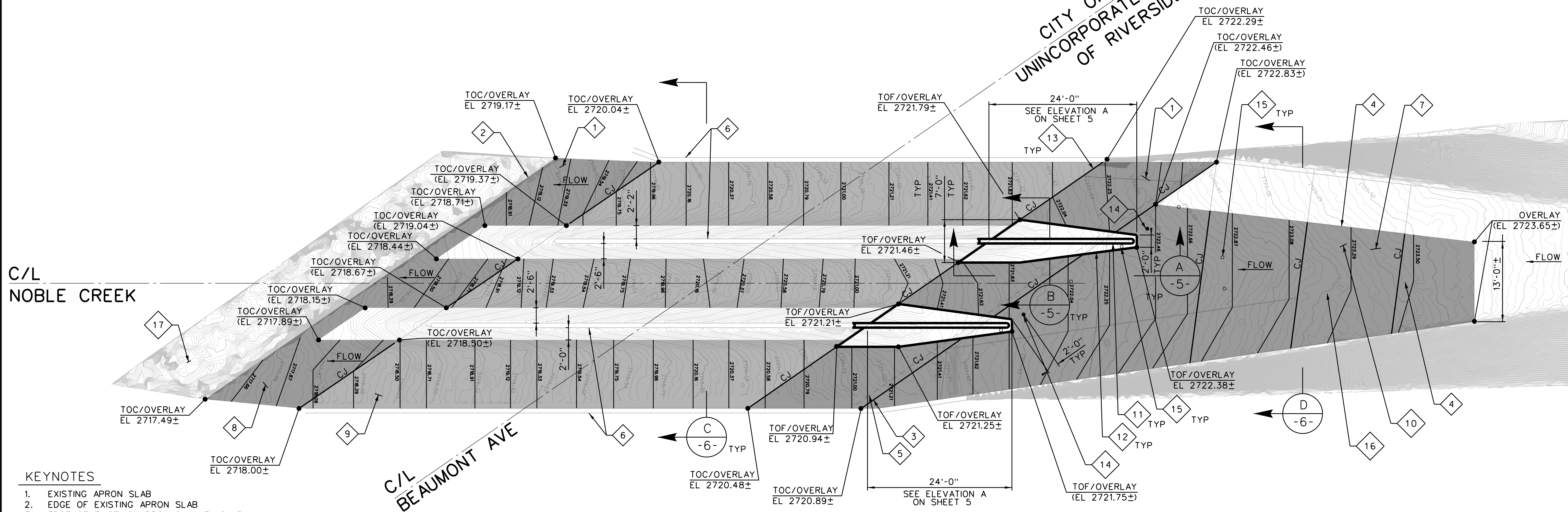
**NOBLE CREEK CHANNEL
STAGE 90 EMERGENCY PIER
EXTENSION & INVERT REPAIRS**
GENERAL STRUCTURAL NOTES &
ABBREVIATIONS

PROJECT NO. 5-0-00020
DRAWING NO. 5-0234
SHEET NO. 3 OF 7

BRIDGE NUMBER 56C159
COUNTY BRIDGE NUMBER SB124

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020

CITY OF BEAUMONT
UNINCORPORATED COUNTY
OF RIVERSIDE



C/L
NOBLE CREEK

C/L
BEAUMONT AVE

KEYNOTES

1. EXISTING APRON SLAB
2. EDGE OF EXISTING APRON SLAB
3. EDGE OF EXISTING APRON/CHANNEL SLAB
4. EDGE OF EXISTING CHANNEL WALL FOOTING (REF: NOBLE CREEK CHANNEL STAGE IIRCFWCWD PROJECT NO. 5-0-20) DATED JULY 1967
5. EXISTING CUTOFF WALL BELOW
6. EXISTING TRIPLE BARREL RCB CULVERT WALLS (REF: NOBLE CREEK STORM DRAIN CULVERT OFFICE OF THE COUNTY ROAD COMMISSIONER (RIVERSIDE COUNT) PROJECT NO. 56C-159) CIRCA 1952
7. EXISTING CHANNEL SLAB (REF: NOBLE CREEK INVERT REPAIR RCFWCWD PROJECT NO 5-0-0020 DWG NO. 5-198R) DATED OCTOBER 1997
8. OVERLAY OVER EXISTING APRON (SHADED AREA)
9. OVERLAY OVER EXISTING RCB INVERT SLAB (SHADED AREA)
10. OVERLAY OVER EXISTING CHANNEL SLAB AND APPROACH APRON (SHADED AREA)
11. PIER NOSE
12. FOOTING - SAWCUT EXISTING INVERT SLAB AT EDGE OF PIER NOSE FOOTING
13. EXISTING CONSTRUCTION JOINT. EXTEND JOINT UP THROUGH OVERLAY - SEE DETAIL 7 ON SHEET 7
14. NEW 6" DIA PVC CHANNEL WEEPHOLE - SEE DETAIL 6 ON SHEET 7 (2 TOTAL)
15. EXISTING 6" DIA PVC CHANNEL WEEPHOLE. ADJUST TO NEW GRADE - SEE DETAIL 6 ON SHEET 7 (4 TOTAL). LOCATIONS SHOWN ARE APPROXIMATE.
16. MATCH OVERLAY TOC WITH TOC OF EXISTING CHANNEL INVERT AT OVERLAY BOUNDARIES, TYP
17. PROTECT IN PLACE EXISTING GROUTED RIPRAP

NOTE:
TOP OF EXISTING CONCRETE ELEVATIONS FROM SURVEY BY THE DISTRICT, PERFORMED SEPTEMBER 2020

CITY # PW2020-0555

REVIEWED BY: _____ DATE: _____
STAFF ENGINEER

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
ADMINISTRATIVE ENGINEER

APPROVED BY: *William D. Harts* DATE: 09/30/2020
CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

CONCURRED BY

Patricia Romo 9/30/2020
PATRICIA ROMO
DIRECTOR OF TRANSPORTATION
COUNTY OF RIVERSIDE

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ENGINEERING DIVISION TEL: (951) 769-8520 FAX: (951) 769-8526

BRIDGE NUMBER 56C159
COUNTY BRIDGE NUMBER S8124

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BENCH MARK
STATION ID Z 13685
FD 1/2" IR W/RCFC TRISTA CAP
FLUSH, EL. = 2711.73 FEET
ON W'LY ACCESS ROAD NOBLE
CREEK (N'LY OF BROOKSIDE AVE)
NAD 83, ZONE 6, EPOCH 2007.00
NAVD 88

REF.	DESCRIPTION	APPR.	DATE

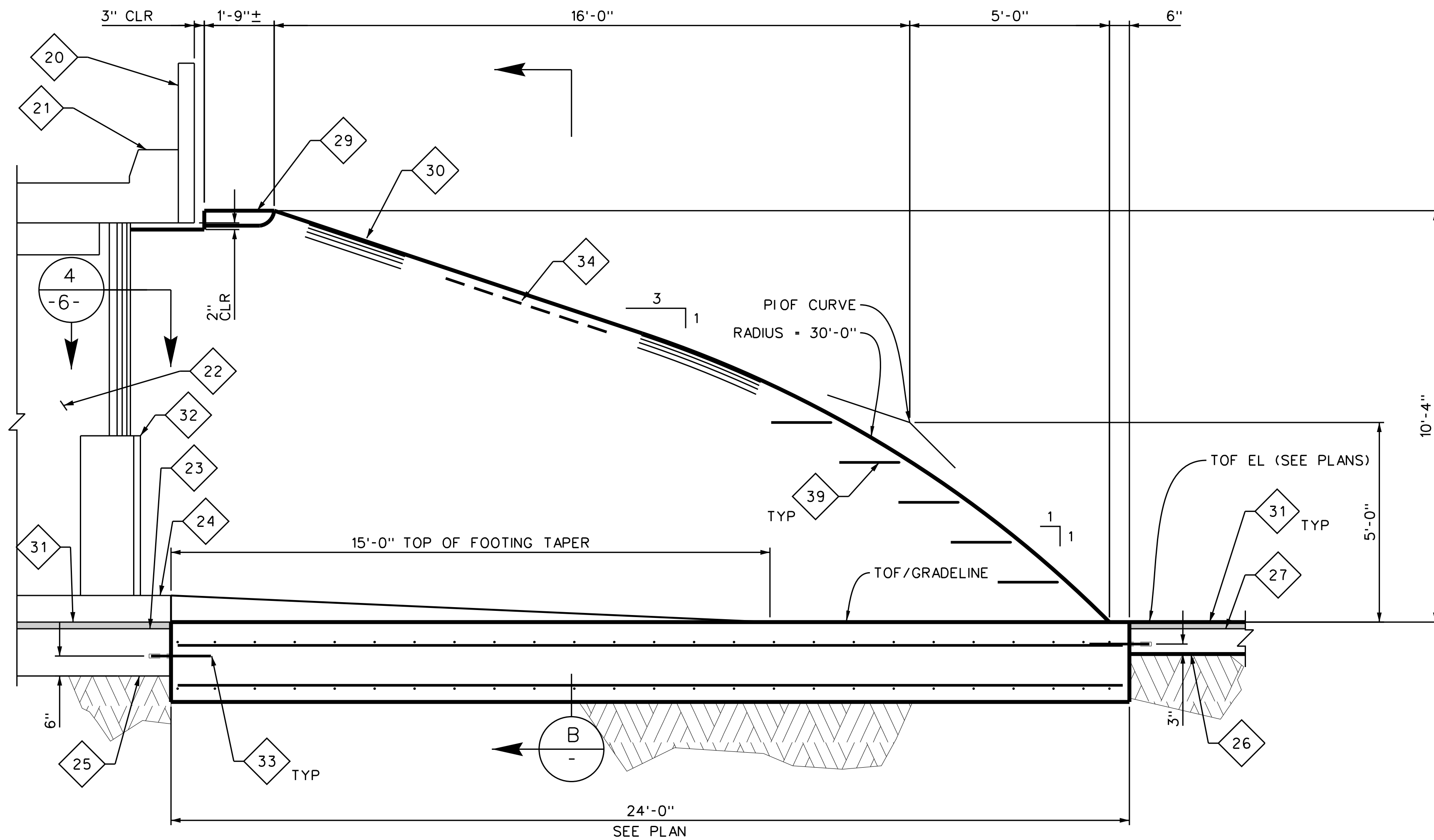
DESIGNED BY: D. AMBARTSUMYAN/D. KUANG
DRAWN BY: T. NGUYEN
DATE DRAWN: SEPT 2020
P8 NUMBER: P8\233764

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: *Smad McGinnis*
APPROVED BY: *[Signature]*
DATE: 9/30/2020

NOBLE CREEK CHANNEL
STAGE 90 EMERGENCY PIER
EXTENSION & INVERT REPAIRS
FOUNDATION AND RCB/CHANNEL INVERT
LINING PLAN

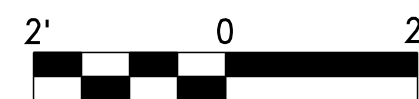
PROJECT NO. 5-0-00020
DRAWING NO. 5-0234
SHEET NO. 4 OF 7

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020



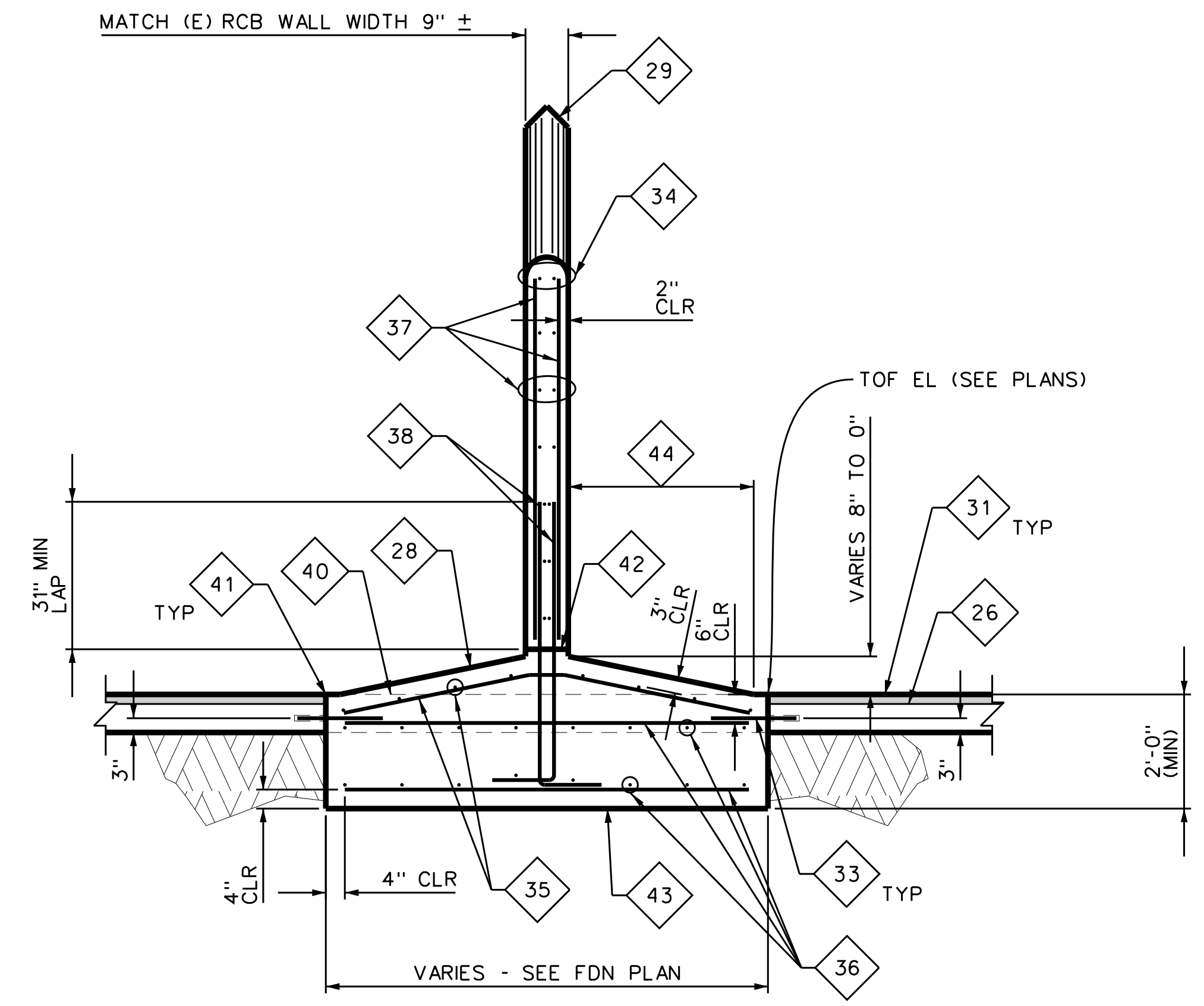
NOSE PIER ELEVATION

SCALE: 1/2" = 1'-0"



KEYNOTES

- 20. EXISTING METAL BEAM GUARDRAIL
- 21. EXISTING HEADWALL
- 22. EXISTING RCB WALL
- 23. EXISTING RCB INVERT SLAB
- 24. EXISTING RCB INVERT SLAB TAPER ADJACENT TO WALL
- 25. BOTTOM OF EXISTING RCB INVERT SLAB
- 26. EXISTING APRON OR CHANNEL SLAB (REINF NOT SHOWN)
- 27. EXISTING CHANNEL INVERT SLAB
- 28. TAPER AT TOP OF FOOTING WHERE OCCURS - SEE ELEVATION
- 29. 45° CHAMFER AT TOP OF WALL
- 30. ROUNDED NOSE
- 31. INVERT OVERLAY (WHERE SPECIFIED) - SEE PLAN



NOSE PIER SECTION

SCALE: 1/2" = 1'-0"



- 32. REMOVE EXISTING STEEL NOSE ARMOR AND LEGALLY DISPOSED OF OFFSITE
- 33. #4 (x1'-6") DRILL AND BOND DOWEL @ 12" (6" EMBED)
- 34. (2) #5 BARS PARALLEL TO NOSE, FULL LENGTH, 2" CLEAR
- 35. #4 @ 12" EACH WAY AT TOP OF FOOTING TAPER
- 36. #5 @ 12" EACH WAY, TOP AND BOTTOM
- 37. #5 @ 12" EACH WAY, EACH FACE
- 38. #5 L @ 12"
- 39. #4 @ 12"
- 40. PORTION OF EXISTING INVERT SLAB TO BE REMOVED AND LEGALLY DISPOSED OF OFFSITE
- 41. SAWCUT EXISTING INVERT SLAB - SEE PLAN
- 42. STARTER WALL PER DETAIL 3 ON SHEET 5
- 43. CONCRETE SHALL BE PLACED AGAINST FIRM COMPETENT SOIL
- 44. TAPER WIDTH VARIES - MATCH WIDTH AT RCB INVERT PER SECTION C OR EDGE OF PIER FOOTING, WHICHEVER IS LESS

CITY # PW2020-0555

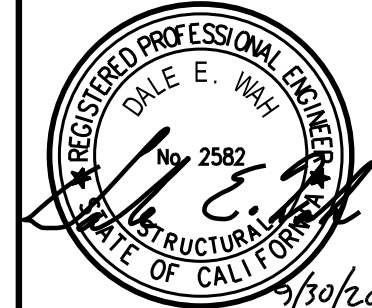
REVIEWED BY: _____ DATE: _____
 STAFF ENGINEER
 RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
 ADMINISTRATIVE ENGINEER
 APPROVED BY: *William D. Harts* DATE: 09/30/2020
 CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

CONCURRED BY

Patricia Romo 9/30/2020
 PATRICIA ROMO
 DIRECTOR OF TRANSPORTATION
 COUNTY OF RIVERSIDE

CITY OF BEAUMONT, PUBLIC WORKS DEPARTMENT 550E, 6th St
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BENCH MARK
 STATION ID Z 13685
 FD 1/2" IR W/RCFC TRISTA CAP
 FLUSH, EL. = 2711.73 FEET
 ON WLY ACCESS ROAD NOBLE
 CREEK (N'LY OF BROOKSIDE AVE)
 NAD 83, ZONE 6, EPOCH 2007.00
 NAVD 88

REF.	DESCRIPTION	APPR.	DATE

DESIGNED BY: *D. Ambartsumyan/D. Kuang*
 DRAWN BY: T. NGUYEN
 DATE DRAWN: SEPT 2020
 PB NUMBER: P8\233764

RECOMMENDED FOR APPROVAL BY: *Smad McGinnis*
 DATE: 9/30/2020

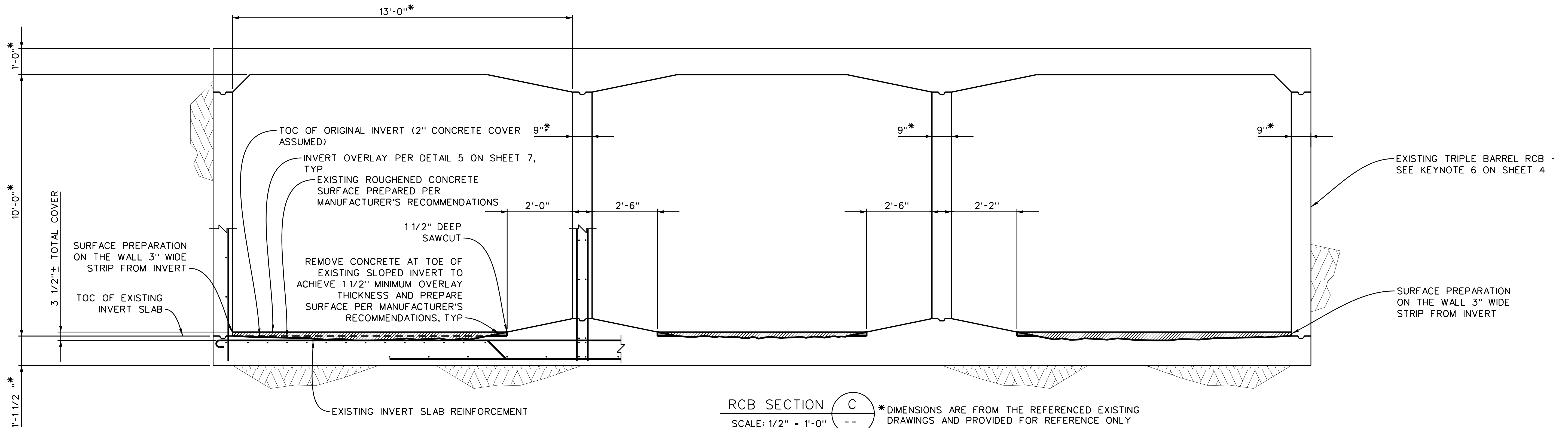
APPROVED BY: *[Signature]*
 DATE: 9/30/2020

NOBLE CREEK CHANNEL
 STAGE 90 EMERGENCY PIER
 EXTENSION & INVERT REPAIRS
 PIER NOSE ELEVATION AND SECTION

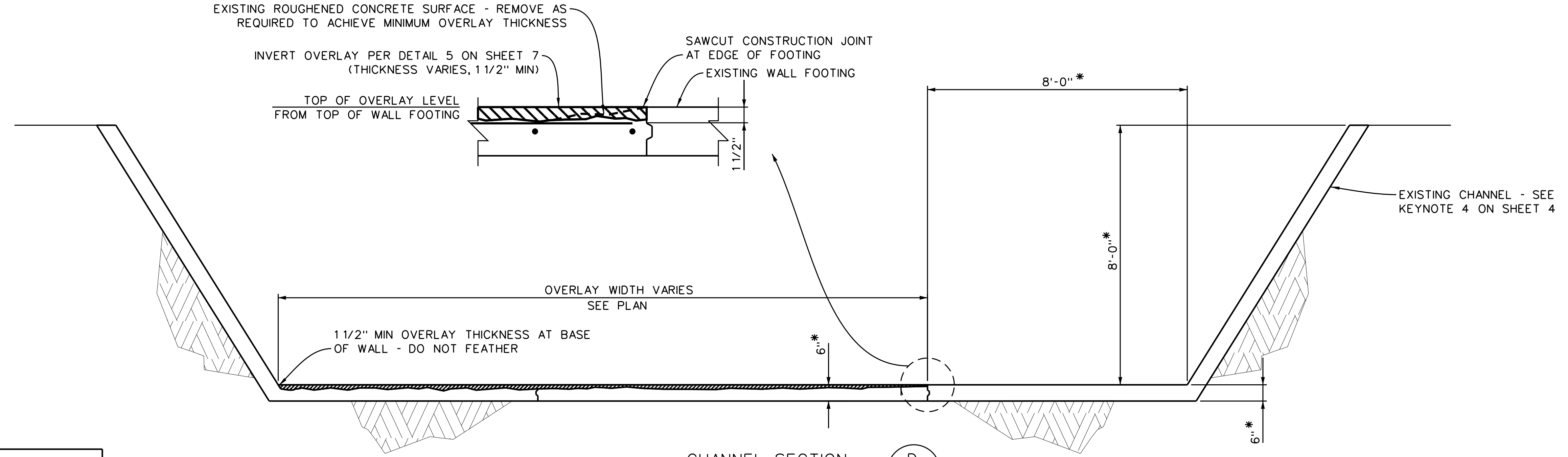
PROJECT NO. 5-0-00020
 DRAWING NO. 5-0234
 SHEET NO. 5 OF 7

BRIDGE NUMBER 56C159
 COUNTY BRIDGE NUMBER S8124

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020



RCB SECTION C
 SCALE: 1/2" = 1'-0"
 *DIMENSIONS ARE FROM THE REFERENCED EXISTING DRAWINGS AND PROVIDED FOR REFERENCE ONLY



CHANNEL SECTION D
 SCALE: 1/2" = 1'-0"
 *DIMENSIONS ARE FROM THE REFERENCED EXISTING DRAWINGS AND PROVIDED FOR REFERENCE ONLY

CITY # PW2020-0555

REVIEWED BY: _____ DATE: _____
 STAFF ENGINEER

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
 ADMINISTRATIVE ENGINEER

APPROVED BY: *William D. Harts* DATE: 09/30/2020
 CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

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CONCURRED BY

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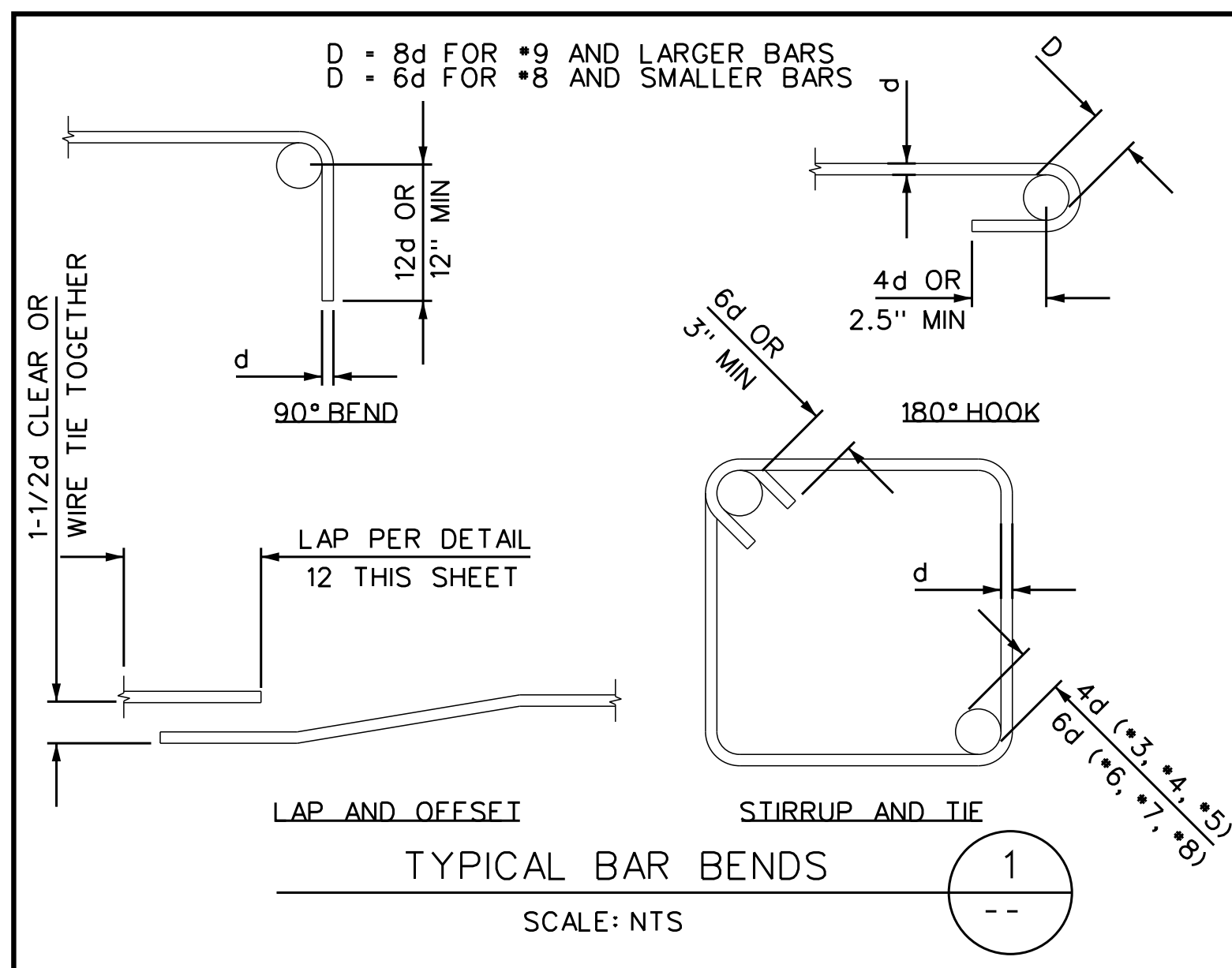
DESIGNED BY: D. AMBARTSUMYAN/D. KUANG
 DRAWN BY: T. NGUYEN
 DATE DRAWN: SEPT 2020
 P8 NUMBER: P8\233764

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *Smad McGinnis*
 APPROVED BY: *[Signature]*
 DATE: 9/30/2020

NOBLE CREEK CHANNEL
 STAGE 90 EMERGENCY PIER
 EXTENSION & INVERT REPAIRS
 RCB AND CHANNEL SECTIONS

PROJECT NO. 5-0-00020
 DRAWING NO. 5-0234
 SHEET NO. 6 OF 7

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020



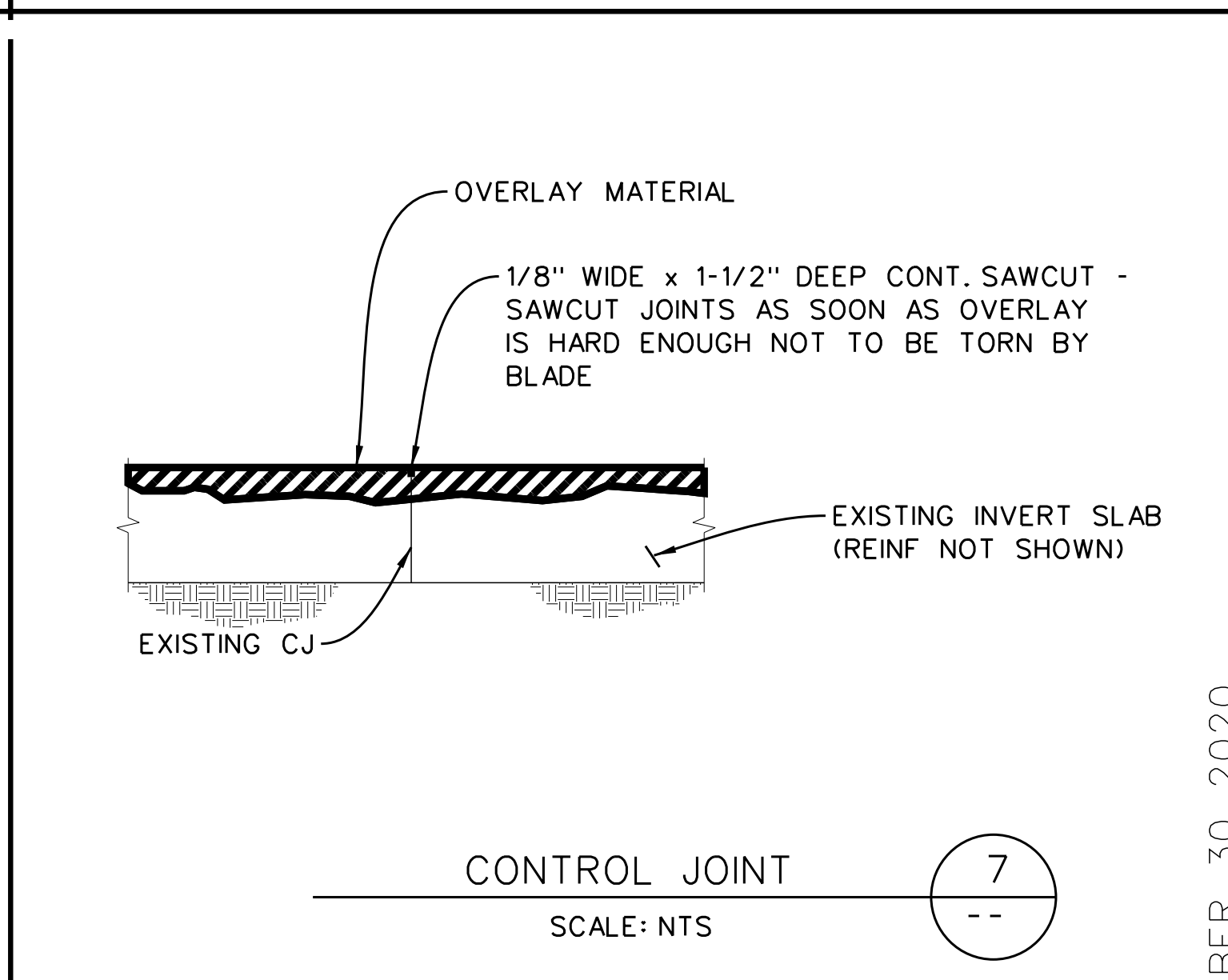
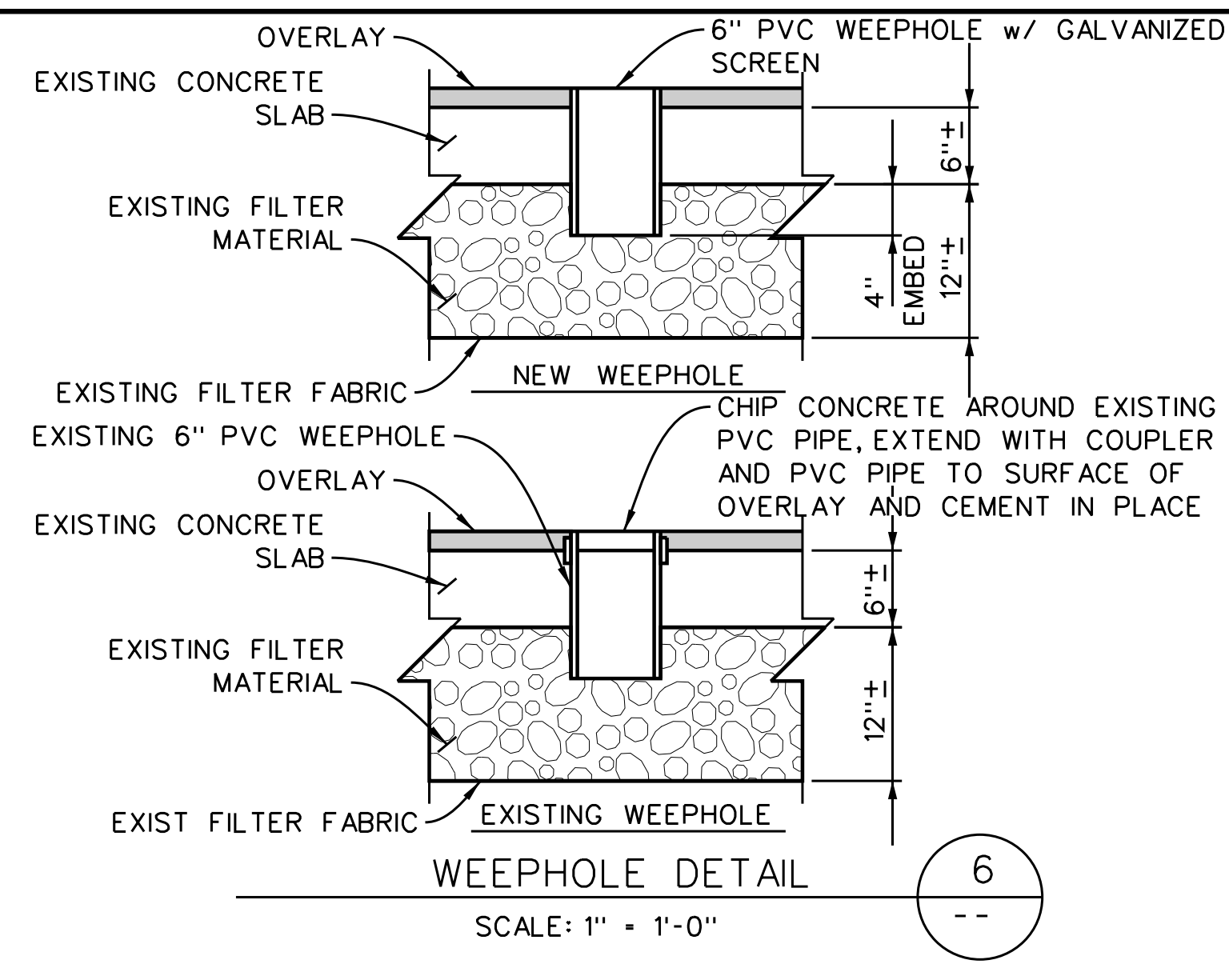
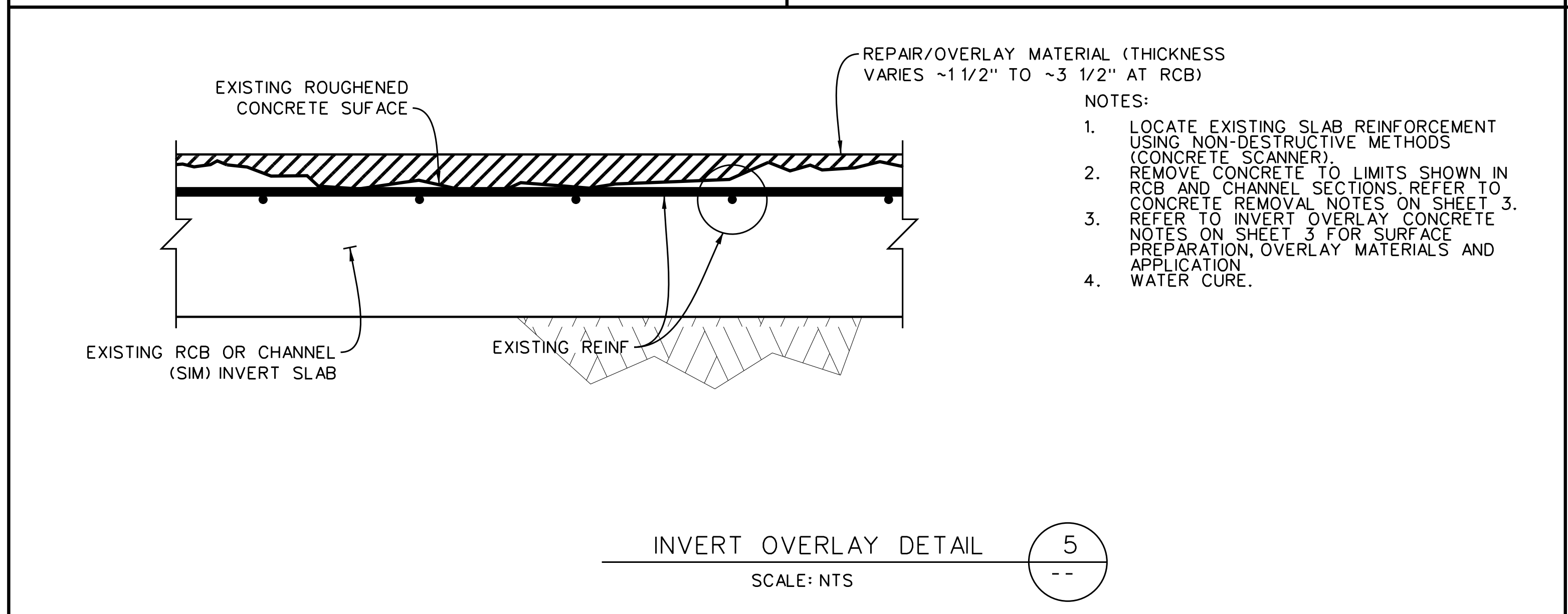
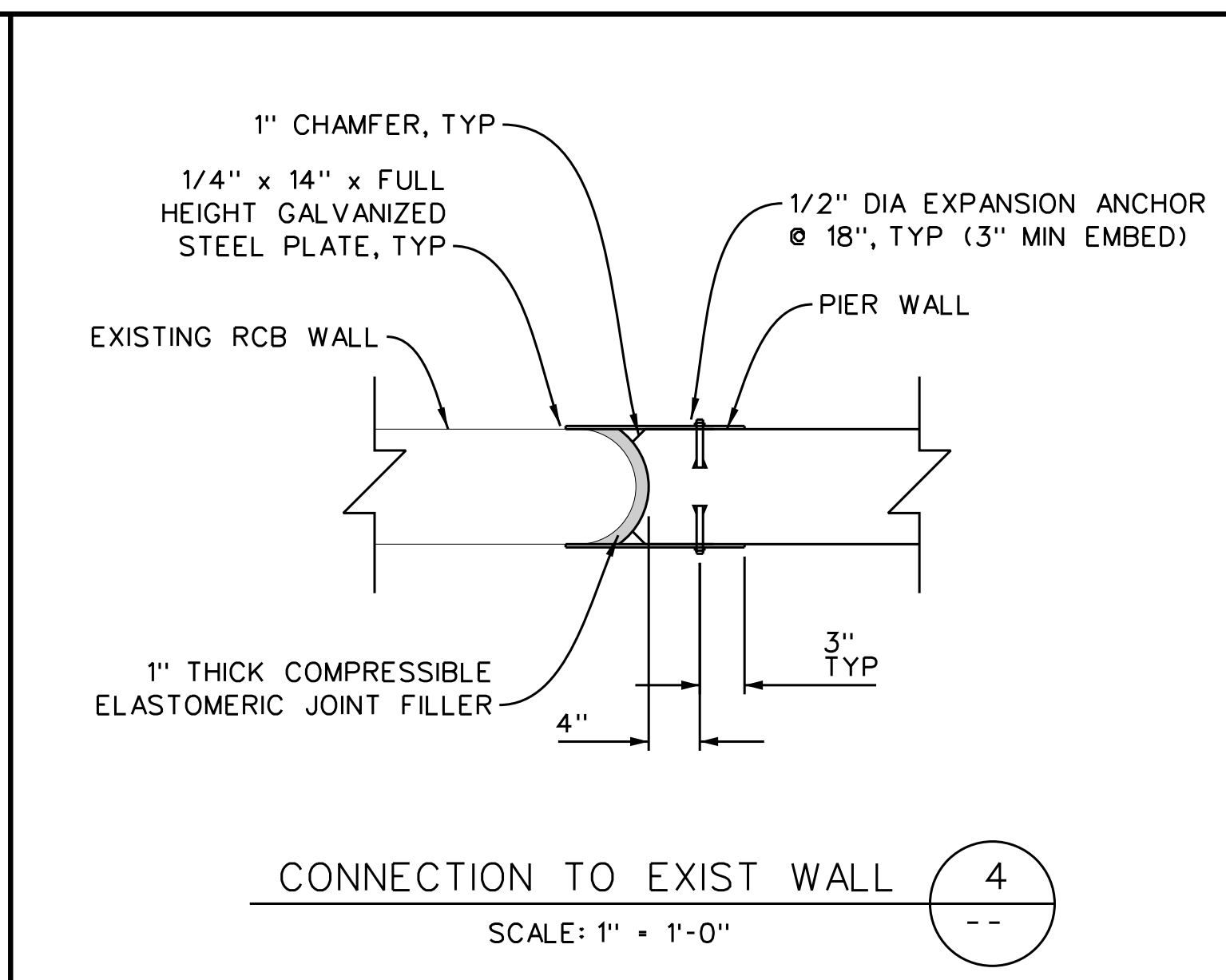
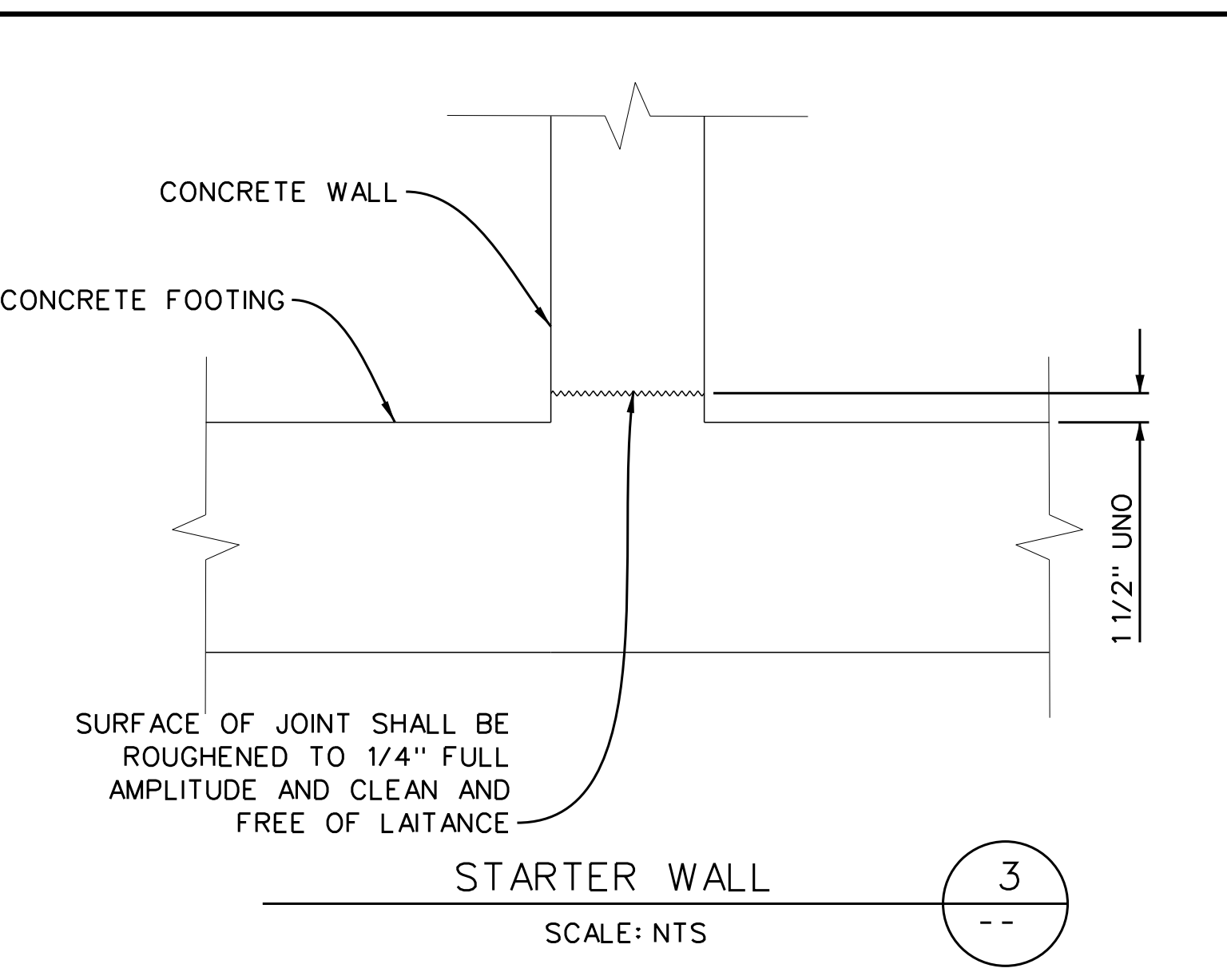
CONCRETE REINFORCING LAP SPLICE SCHEDULE

BAR	f'c = 2500	f'c = 3000	f'c = 4000	f'c = 4500
	L (inches)	L (inches)	L (inches)	L (inches)
3	24	22	19	18
4	32	29	25	24
5	39	36	31	30
6	47	43	37	35
7	69	63	54	51
8	78	72	62	59
9	88	81	70	66

NOTES:
1. LAPS SHOWN IN THIS TABLE ARE CLASS B, CATEGORY 3 TYPE SPLICES. LAP LENGTH IS BASED UPON SMALLER OF TWO BARS BEING SPLICED WHEN NOT THE SAME SIZE.
2. INCREASE LAP LENGTHS BY A FACTOR OF 1.3 FOR HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THIS REINFORCEMENT.

CONCRETE REINF LAP SPLICE SCHEDULE
SCALE: NTS

2



CITY # PW2020-0555

REVIEWED BY: _____ DATE: _____
STAFF ENGINEER

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
ADMINISTRATIVE ENGINEER

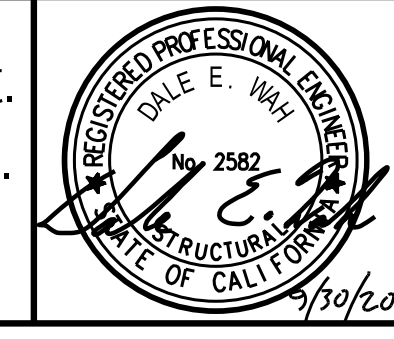
APPROVED BY: *William D. Harts* DATE: 09/30/2020
CITY ENGINEER/DIRECTOR OF PUBLIC WORKS

CITY OF BEAUMONT, PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

550E, 6th St
Beaumont, CA 92223
TEL: (951) 769-8520 FAX: (951) 769-8526

CONCURRED BY

Patricia Romo 9/30/2020
PATRICIA ROMO
DIRECTOR OF TRANSPORTATION
COUNTY OF RIVERSIDE



BENCH MARK
STATION ID Z 13685
FD 1/2" IR W/RCFC TRISTA CAP
FLUSH, EL. = 2711.73 FEET
ON W'LY ACCESS ROAD NOBLE
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY: *Smad McGinnis*
DATE: 9/30/2020

APPROVED BY: *[Signature]*
DATE: 9/30/2020

**NOBLE CREEK CHANNEL
STAGE 90 EMERGENCY PIER
EXTENSION & INVERT REPAIRS
PIER NOSE AND CHANNEL INVERT
OVERLAY DETAILS**

PROJECT NO. 5-0-00020
DRAWING NO. 5-0234
SHEET NO. 7 OF 7

BRIDGE NUMBER 56C159
COUNTY BRIDGE NUMBER S8124

CONSTRUCTION DRAWING SET DATED SEPTEMBER 30, 2020

From: [Mace, James E CIV USARMY CESPL \(USA\)](#)
To: [Sheppard, Randy; Jason Bill - RWQCB-SA \(Jason.Bill@waterboards.ca.gov\)](#)
Cc: [Elizabeth Payne \(Elizabeth.Payne@waterboards.ca.gov\)](#); [Jennings, Eugene; Valle, Joan](#)
Subject: RE: Noble Creek Channel - Apple Fire RGP 63 Notification
Date: Friday, August 14, 2020 4:52:28 PM

Hello Mr. Sheppard,

Thank you for the notification of the emergency need to remove sediment and vegetation from the portions of Noble Creek where there is limited capacity for debris flows, and specifically as made more dangerous by the Apple Fire and subsequent erosion vulnerability from exposed soils and incoming predicted storms.

This email is to confirm the notification was received and the work qualifies for the use of RGP 63. I will follow up with paperwork next week, but please know it has been determined the work has been verified to proceed (as applicable) from the time of submittal.

Thank you,
Jim

James E. Mace
Senior Project Manager
Regulatory Division
U.S. Army Corps of Engineers
Los Angeles District

During the Coronavirus Health Emergency, Regulatory Program staff are teleworking. Please do not mail hard copy documents to any Regulatory staff or office. For further details on corresponding with us, please view our COVID-19 special public notice at:

[https://urldefense.com/v3/_https://www.spl.usace.army.mil/Portals/17/docs/publicnotices/COVID19*20Regulatory_SPN.pdf?ver=2020-03-19-134532-833_!!JTtYGX330HN5x6Ko!Ovrk47oSyGPfZO2K0G4J8Z9BVrt3llmhbprWt7ucKJ4jVvG7KgNE_LVB0Prw6E\\$](https://urldefense.com/v3/_https://www.spl.usace.army.mil/Portals/17/docs/publicnotices/COVID19*20Regulatory_SPN.pdf?ver=2020-03-19-134532-833_!!JTtYGX330HN5x6Ko!Ovrk47oSyGPfZO2K0G4J8Z9BVrt3llmhbprWt7ucKJ4jVvG7KgNE_LVB0Prw6E$)

Mailing Address:
U.S. Army Corps of Engineers
Riverside Regulatory Field Office
1451 Research Park Drive, Suite 100
Riverside, CA 92507-2154

Phone (951) 276-6624 x263, Gov Cell (951) 258-8121 Fax (951) 276-6641

email: james.e.mace@usace.army.mil
website:

https://urldefense.com/v3/_http://www.spl.usace.army.mil/regulatory_!!JTtYGX330HN5x6Ko!Ovrk47oSyGPfZO2K0G4J8Z9BVrt3llmhbprWt7ucKJ4jVvG7KgNE_LVlJNWxOIS

Assist us in better serving you! Please complete our brief customer survey, located at the following link:

https://urldefense.com/v3/_http://corpsmapu.usace.army.mil/cm_apex/?p=regulatory_survey_!!JTtYGX330HN5x6Ko!Ovrk47oSyGPfZO2K0G4J8Z9BVrt3llmhbprWt7ucKJ4jVvG7KgNE_LV_RiAkzYS

-----Original Message-----

From: Sheppard, Randy [<mailto:rsheppea@RIVCO.ORG>]
Sent: Thursday, August 13, 2020 4:30 PM
To: Mace, James E CIV USARMY CESPL (USA) <James.E.Mace@usace.army.mil>; Jason Bill - RWQCB-SA (Jason.Bill@waterboards.ca.gov) <Jason.Bill@waterboards.ca.gov>
Cc: Elizabeth Payne (Elizabeth.Payne@waterboards.ca.gov) <Elizabeth.Payne@waterboards.ca.gov>; Jennings, Eugene <ECJennin@rivco.org>; Valle, Joan <jvalle@RIVCO.ORG>
Subject: [Non-DoD Source] RE: Noble Creek Channel - Apple Fire RGP 63 Notification

Hello,

To prepare for the threat of thunderstorms and the winter storm season, immediate emergency work is needed within the Nobel Creek Channel in the Cherry Valley/Beaumont area. Channel restoration within the channel sections of immediate concern could begin as soon as August 14th. The attached notification package also describes other channel sections where emergency work could become necessary during the storm season. This work is mostly limited to existing flood control facilities and casements. We request that the RGP63 authorization provide at least 6 months of coverage to allow for sediment/debris removal and erosion repairs throughout the upcoming storm season.

We requested the 401 fee from Finance, and the fee will be transmitted to the RWQCB as soon as it is available. Please confirm that this email was received and note that the original packages will not be mailed unless requested. The California Department of Fish and Wildlife will be notified of the emergency work in accordance with their emergency work notification requirements. Please feel free to contact me at the number below or Gene Jennings at 951.955.8377 with any questions.

Thank you

Randy Sheppard
Senior Flood Control Planner
Environmental Regulatory Services I
Riverside County Flood Control
and Water Conservation District
951 955-1306

rsheppee@rivco.org <<mailto:rsheppsa@rivco.org>>

Monday-Thursday 6:30am-5pm

Confidentiality Disclaimer

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County of Riverside California <Blocked<http://www.countyofriverside.us/>>

From: [Pert, Heather@Wildlife](mailto:Pert,Heather@Wildlife)
To: [Sheppard, Randy](mailto:Sheppard,Randy)
Cc: [Jennings, Eugene](mailto:Jennings,Eugene); [Valle, Joan](mailto:Valle,Joan); [Wildlife R6 LSA Program](mailto:WildlifeR6LSAProgram)
Subject: RE: Noble Creek Channel-Apple Fire Emergency Work Notification
Date: Thursday, August 27, 2020 11:05:20 AM

Hi Randy,

Thanks for submitting the emergency notification, please include R6LSA@wildlife.ca.gov in any submissions to CDFW. That helps ensure it is logged into our system and properly tracked – there is always concern it will be lost in my inbox.

Thanks,
Heather

Heather A. Pert

Inland Deserts Region
3602 Inland Empire Boulevard, Suite C-220
Ontario, CA 91764
858-395-9692

From: Sheppard, Randy <rsheppea@RIVCO.ORG>
Sent: Thursday, August 27, 2020 10:51 AM
To: Pert, Heather@Wildlife <Heather.Pert@wildlife.ca.gov>
Cc: Jennings, Eugene <ECJennin@rivco.org>; Valle, Joan <jvalle@RIVCO.ORG>
Subject: Noble Creek Channel-Apple Fire Emergency Work Notification

Warning: This email originated from outside of CDFW and should be treated with extra caution.

Hello Heather,

I hope all is well. The Apple Fire burned most of the Noble Creek watershed. To prepare for the threat of thunderstorms and the winter storm season, immediate emergency work has started within a portion of the Nobel Creek Channel in the Cherry Valley/Beaumont area. Channel restoration within the channel sections of immediate concern began on August 17th.

The attached notification package also describes other channel sections where emergency work could become necessary during the storm season. This work is mostly limited to existing flood control facilities and easements. Sediment/debris removal and erosion repairs may be needed throughout the upcoming storm season. The attached notification package provides additional info. The Corps and RWQCB have also been notified of the emergency work.

Please feel free to contact us with any questions. Let us know if we need to email or mail the notification anywhere else.

Thank you

Randy Sheppard
Senior Flood Control Planner
Environmental Regulatory Services 1
Riverside County Flood Control
and Water Conservation District
951 955-1306
rsheppea@rivco.org
Monday-Thursday 6:30am-5pm

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[County of Riverside California](#)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/02/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LIC #0C36861 Alliant Insurance Services, Inc. 100 Pine Street, 11th Floor San Francisco, CA 94111	1-415-403-1491	CONTACT NAME: Kimberly Leikam PHONE (A/C, No, Ext): 415-403-1491 E-MAIL ADDRESS: kleikam@alliant.com	FAX (A/C, No): 415-874-4818
INSURED Granite Construction Company 585 West Beach Street Watsonville, CA 95076		INSURER(S) AFFORDING COVERAGE	
		INSURER A: VALLEY FORGE INS CO	NAIC # 20508
		INSURER B: CONTINENTAL CAS CO	20443
		INSURER C: TRANSPORTATION INS CO	20494
		INSURER D: STEADFAST INS CO	26387
		INSURER E:	
		INSURER F:	

COVERAGES CERTIFICATE NUMBER: 60447722 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability <input checked="" type="checkbox"/> XCU Hazards GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:	X	X	GL2074978689	10/01/20	10/01/23	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000 MED EXP (Any one person) \$ Nil PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> Contractual <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	X	X	BUA2074978692	10/01/20	10/01/23	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB DED RETENTION \$			CUE2068209453	10/01/20	10/01/21	EACH OCCURRENCE \$ 8,000,000 AGGREGATE \$ 8,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WC274978644 (AOS/Stop Gap)	10/01/20	10/01/21	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
A	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N	N/A	WC274978630 (CA)	10/01/20	10/01/21	E.L. EACH ACCIDENT \$ 2,000,000
C	If yes, describe under DESCRIPTION OF OPERATIONS below			WC274978658 (NY)	10/01/20	10/01/21	E.L. DISEASE - EA EMPLOYEE \$ 2,000,000
C				WC274978661 (MT, WI, HI)	10/01/20	10/01/21	E.L. DISEASE - POLICY LIMIT \$ 2,000,000
D	Pollution Liability			EOC508792216	10/01/20	10/01/21	Limit 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Job #TBD / Emergency Protection Project - Apple & El Dorado Fires, Noble Creek Channel, Stage 90 (Project No. 5-0-0002)

SEE FOLLOWING PAGE FOR COMPLETE ADDITIONAL INSURED WORDING

No exclusion for XCU hazards

GL Per ISO Form CG0001 10/01; AL Per ISO Form CA 0001 03/10

CERTIFICATE HOLDER 2250 Riverside County Flood Control and Water Conservation District 1995 Market Street Riverside, CA 92501 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	--

SUPPLEMENT TO CERTIFICATE OF INSURANCE

DATE

10/02/2020

NAME OF INSURED: Granite Construction Company

Riverside County Flood Control and Water Conservation District, the County of Riverside, its Agencies, Districts, Special Districts and Departments, and the City of Beaumont, their respective directors, officers, Board of Supervisors, governing boards or councils, employees, elected and appointed officials, agents, representatives are included as Additional Insured where required by written and executed agreement and per the attached endorsements. Coverage is primary & non-contributory and waivers of subrogation apply in favor of the Additional Insured parties. Umbrella coverage follows form over underlying liability coverages and forms. Thirty (30) day NOC or material change in coverage provided.



**BLANKET ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS –
WITH PRODUCTS-COMPLETED OPERATIONS COVERAGE**

It is understood and agreed that this endorsement amends the **COMMERCIAL GENERAL LIABILITY COVERAGE PART** as follows:

SCHEDULE (OPTIONAL)

Name of Additional Insured Persons Or Organizations
(As required by "written contract" per Paragraph A. below.)

Locations of Covered Operations
(As per the "written contract," provided the location is within the "coverage territory" of this Coverage Part.)

- A. Section II - Who Is An Insured** is amended to include as an additional insured:
1. Any person or organization whom you are required by "written contract" to add as an additional insured on this Coverage Part; and
 2. The particular person or organization, if any, scheduled above.
- B.** The insurance provided to the additional insured is limited as follows:
1. The person or organization is an additional insured only with respect to liability for "bodily injury," "property damage," or "personal and advertising injury" caused in whole or in part by:
 - a. Your acts or omissions, or the acts or omissions of those acting on your behalf, in the performance of your ongoing operations specified in the "written contract"; or
 - b. "Your work" that is specified in the "written contract" but only for "bodily injury" or "property damage" included in the "products-completed operations hazard," and only if:
 - (1) The "written contract" requires you to provide the additional insured such coverage; and
 - (2) This Coverage Part provides such coverage.
 2. If the "written contract" specifically requires you to provide additional insurance coverage via the 10/01 edition of CG2010 (aka CG 20 10 10 01), or via the 10/01 edition of CG2037 (aka CG 20 37 10 01), or via the 11/85 edition of CG2010 (aka CG 20 10 11 85), then in paragraph **B.1.** above, the words 'caused in whole or in part by' are replaced by the words 'arising out of'.
 3. We will not provide the additional insured any broader coverage or any higher limit of insurance than:
 - a. The maximum permitted by law;
 - b. That required by the "written contract";
 - c. That described in **B.1.** above; or
 - d. That afforded to you under this policy,
 whichever is less.
 4. Notwithstanding anything to the contrary in Condition **4. Other Insurance** (Section **IV**), this insurance is excess of all other insurance available to the additional insured whether on a primary, excess, contingent or

any other basis. But if required by the "written contract" to be primary and non-contributory, this insurance will be primary and non-contributory relative to insurance on which the additional insured is a Named Insured.

5. The insurance provided to the additional insured does not apply to "bodily injury," "property damage," or "personal and advertising injury" arising out of:
 - a. The rendering of, or the failure to render, any professional architectural, engineering, or surveying services, including:
 - (1) The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
 - (2) Supervisory, inspection, architectural or engineering activities; or
 - b. Any premises or work for which the additional insured is specifically listed as an additional insured on another endorsement attached to this Coverage Part.

C. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS is amended as follows:

1. The **Duties In The Event of Occurrence, Offense, Claim or Suit** condition is amended to add the following additional conditions applicable to the additional insured:

An additional insured under this endorsement will as soon as practicable:

- (1) Give us written notice of an "occurrence" or an offense which may result in a claim or "suit" under this insurance, and of any claim or "suit" that does result;
- (2) Except as provided in Paragraph **B.4.** of this endorsement, agree to make available any other insurance the additional insured has for a loss we cover under this Coverage Part;
- (3) Send us copies of all legal papers received, and otherwise cooperate with us in the investigation, defense, or settlement of the claim or "suit"; and
- (4) Tender the defense and indemnity of any claim or "suit" to any other insurer or self insurer whose policy or program applies to a loss we cover under this Coverage Part. But if the "written contract" requires this insurance to be primary and non-contributory, this provision (4) does not apply to insurance on which the additional insured is a Named Insured.

We have no duty to defend or indemnify an additional insured under this endorsement until we receive from the additional insured written notice of a claim or "suit."

- D. Only for the purpose of the insurance provided by this endorsement, **SECTION V – DEFINITIONS** is amended to add the following definition:

"Written contract" means a written contract or written agreement that requires you to make a person or organization an additional insured on this Coverage Part, provided the contract or agreement:

1. Is currently in effect or becomes effective during the term of this policy; and
2. Was executed prior to:
 - a. The "bodily injury" or "property damage"; or
 - b. The offense that caused the "personal and advertising injury,"for which the additional insured seeks coverage under this Coverage Part.

All other terms and conditions of the Policy remain unchanged.

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POLICY NUMBER: GL2074978689
EFFECTIVE: 10/01/2020

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**CHANGES – NOTICE OF CANCELLATION
OR MATERIAL COVERAGE CHANGE**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART

In the event of cancellation or material change that reduces or restricts the insurance afforded by this Coverage Part (other than the reduction of aggregate limits through payment of claims), we agree to mail prior written notice of cancellation or material change to:

SCHEDULE

1. Name: Any person or organization you are required by written contract or agreement to mail prior written notice of cancellation or material change.
2. Address: Per Certificates of Insurance on file with the broker.
3. Number of days advance notice:
For non-payment of premium, the greater of:
 - the number of days required by state statute or
 - the number of days required by written contractFor any other reason, the lesser of:
 - 60 days or
 - the number of days required in a written contract

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Waiver of Transfer of Rights of Recovery Against Others to Us

This endorsement modifies insurance provided under the following:

Commercial General Liability Coverage Form

Under SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, The Transfer Of Rights Of Recovery Against Others To Us Condition is amended by the addition of the following:

We waive any right of recovery we may have against any person or organization because of payments we make for injury or damage arising out of:

1. Your ongoing operations; or
2. "Your work" included in the "products completed operations hazard."

However, this waiver applies only when you have agreed in writing to waive such rights of recovery in a contract or agreement, and only if the contract or agreement:

1. Is in effect or becomes effective during the term of this policy; and
2. Was executed prior to loss.

This endorsement is part of your policy and takes effect on the effective date of your policy, unless another effective date is shown below.

Must Be Completed	
ENDT. NO.	POLICY NO.
26	GL 2074978689

Complete Only When This Endorsement Is Not Prepared with the Policy Or Is Not to be Effective with the Policy	
ISSUED TO:	EFFECTIVE DATE OF THIS ENDORSEMENT:
Granite Construction Incorporated	10/01/20

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**Notice of Cancellation or Material Change –
Designated Person or Organization**

This endorsement modifies insurance provided under the following:

Business Auto Coverage Form

In the event of cancellation or material change that reduces or restricts the insurance afforded by this Coverage Part, we agree to mail prior written notice of cancellation or material change to:

SCHEDULE

1. Name: Any person or organization you are required by written contract or agreement to mail prior written notice of cancellation or material change.

2. Address: Per Certificates of Insurance on file with the broker.

3. Number of days advance notice:

For non-payment of premium, the greater of:

- the number of days required by state statute or
- the number of days required by written contract

For any other reason, the lesser of:

- 60 days or
- the number of days required in a written contract

This endorsement is part of your policy and takes effect on the effective date of your policy, unless another effective date is shown below.

Must Be Completed	
ENDT. NO.	POLICY NO.
19	BUA 2074978692

Complete Only When This Endorsement Is Not Prepared With the Policy Or Is Not to be Effective with the Policy	
ISSUED TO:	EFFECTIVE DATE OF THIS ENDORSEMENT
Granite Construction Company	10/01/2020



Countersigned by

Kentucky Berk
Authorized Representative

EA/M19BB18

G-39543A



ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY

It is understood and agreed that this endorsement amends the **BUSINESS AUTO COVERAGE FORM** as follows:

SCHEDULE

Name of Additional Insured Persons Or Organizations
Any person or organization whom the named insured is required by written contract to add as an additional insured on this policy.

1. In conformance with paragraph **A.1.c.** of **Who Is An Insured** of Section **II – LIABILITY COVERAGE**, the person or organization scheduled above is an insured under this policy.
2. The insurance afforded to the additional insured under this policy will apply on a primary and non-contributory basis if you have committed it to be so in a written contract or written agreement executed prior to the date of the "accident" for which the additional insured seeks coverage under this policy.

All other terms and conditions of the Policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**WAIVER OF TRANSFER OF RIGHTS OF RECOVERY
AGAINST OTHERS TO US (WAIVER OF SUBROGATION)**

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

<p>Named Insured: Granite Construction Incorporated</p> <p>Endorsement Effective Date: 10/01/2020</p>

SCHEDULE

<p>Name(s) Of Person(s) Or Organization(s):</p> <p>Any person or organization for whom or which you are required by written contract or agreement to obtain this waiver from us.</p>
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.



WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY INSURANCE POLICY

NOTICE OF CANCELLATION OR MATERIAL CHANGE ENDORSEMENT

In the event of cancellation or other material change of the policy, we will mail advance notice to the person or organization named in the Schedule. The number of days advance notice is shown in the Schedule.

This endorsement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

1. Number of days advance notice:

For non-payment of premium, the greater of:

- the number of days required by state statute or
- the number of days required by written contract

For any other reason, the lesser of:

- 60 days or
- the number of days required in a written contract

2. Notice will be mailed to:

Any person or organization you are required by written contract or agreement to mail prior written notice of cancellation or material change.

Address: Per Certificates of Insurance on file with the broker

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 10-1-20

Policy No. WC274978630 Valley Forge Insurance Company

WC274978644 Valley Forge Insurance Company

WC274978658 Transportation Insurance Company

WC274978661 Transportation Insurance Company

WC 99 06 06



WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY INSURANCE POLICY

BLANKET WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS- CALIFORNIA

This endorsement changes the policy to which it is attached.

It is agreed that **Part One – Workers' Compensation Insurance G. Recovery From Others** and **Part Two – Employers' Liability Insurance H. Recovery From Others** are amended by adding the following:

We will not enforce our right to recover against persons or organizations. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

PREMIUM CHARGE -n/a

The charge will be an amount to which you and we agree that is a percentage of the total standard premium for California exposure. The amount is n/a %.

UTAH WAIVER OF SUBROGATION ENDORSEMENT

This endorsement applies only to the insurance provided by the policy because Utah is shown in Item 3.A. of the Information Page.

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule. Our waiver of rights does not release your employees' rights against third parties and does not release our authority as trustee of claims against third parties. **Schedule : Any person or organization for whom the named insured has agreed by written contract to furnish this waiver.**

WC43 03 05 (Ed 7-00)

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

All Other States where allowed (except CA, TX, UT)

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Any person or organization for whom the named insured has agreed by written contract to furnish this waiver

WC00 03 13 (Ed 4-84)

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 10/01/2020

WC274978644 Valley Forge Insurance Company
WC274978658 Transportation Insurance Company
WC274978661 Transportation Insurance Company
WC274978630 Valley Forge Insurance Company