County of Santa Barbara-Public Works

# Attachment A

Reimbursement Agreement with Vintage Ranch LLC

#### AGREEMENT FOR REIMBURSEMENT

THIS AGREEMENT FOR REIMBURSEMENT (hereafter "Agreement") is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter "County"), and Vintage Ranch Orcutt, LLC, a California limited liability company ("Owner"), as successor in interest to Mesa Verde Development Partners II, LLC, a California limited liability company (hereafter "Former Owner") wherein Owner agrees to provide and County agrees to accept the services specified herein.

WHEREAS, Owner owns certain real property identified by Assessor Parcel No. 101-570-045, and previously dedicated to the County as Open Space Areas certain adjacent real property identified by Assessor Parcel Nos. 101-570-042 and 101-570-043 pursuant to Instrument No. 2021-0083916 recorded on December 9, 2021 in Official Records (collectively, the "Project Site") in the unincorporated area of the County located approximately 0.5 acres south of Clark Avenue at the terminus of Black Oak Drive, in Key Site 7 of the Orcutt Community Plan ("OCP") area, Fourth Supervisorial District;

WHEREAS, on March 9, 2005, the Santa Barbara County Planning Commission (Planning Commission) approved a Vesting Tentative Tract Map (TM 14,556) to subdivide into 55 lots the 33.07-acre real property formerly identified by Assessor Parcel No. 100-400-008, including 52 lots for single family dwellings, two public open space lots totaling approximately 20 acres, and one private open space lot. Due to the downturn in the economy, this map was not recorded;

WHEREAS, on March 19, 2015, Former Owner filed an application for approval of a Vesting Tentative Tract Map (TM 14,812) in compliance with County Code Chapter 21 to subdivide the 33.07-acre property into: 1) 41 residential lots ranging in size from 9,685 sq. ft. to 17,575 sq. ft.; 2) two lots for private roads totaling 1.93 acres, and 3) two lots for open space totaling 18.46 acres on property zoned PRD (Case No. 15TRM-00000-00002/TM 14,812); a Final Development Plan in compliance with Section 35.82.080 of the County Land Use and Development Code on property zoned PRD to develop 41 market rate single family dwellings and associated infrastructure (Case No. 15DVP-00000-00002); a Minor Conditional Use Permit to allow for the construction of a retaining wall/privacy fence combination of up to 10 feet in height in compliance with Section 35.82.060 of the County Land Use and Development Code, on property zoned PRD (Case No. 15CUP-00000-00006); the naming of four private roads within the proposed tract in compliance with Chapter 35.76 of the County Land Use and Development Code, on property zoned PRD (Case No. 15RDN-00000-00002); and to accept the Addendum to the Orcutt Community Plan Environmental Impact Report (95-EIR-01, certified 7/22/97) pursuant to the State Guidelines for Implementation of the California Environmental Quality Act, hereinafter referred to as the "Project";

WHEREAS, on January 11, 2017, pursuant to its jurisdiction under County Code Chapter 21-6 and County Land Use and Development Code ("<u>LUDC</u>") Sections 35.82.080, Table 8-2; 35.80.020, Table 8-1; 35.76.050.C.2.a.3; and 35.80.020, the Planning Commission approved the Project with revisions to the Conditions of Approval. The Project was not appealed after the Planning Commission's approval. The time to appeal the Planning Commission's approval of the Project has expired;

**WHEREAS**, OCP Development Standard KS7-3 and KS7-4 require the Owner to construct a bridge or a box culvert if a span bridge is not feasible, on Black Oak Drive across Orcutt Creek ("<u>Orcutt Creek Crossing Improvements</u>"), funded in part through Orcutt Transportation Improvement Plan ("<u>OTIP</u>") fees;

WHEREAS, the OTIP does not reference the Orcutt Creek Crossing Improvements, nor does it include funding for any portion of the Orcutt Creek Crossing Improvements through collection of OTIP fees, which in turn gives rise to the need for County and Owner to agree on a mechanism for Owner's reimbursement of certain construction costs related to the Orcutt Creek Crossing Improvements as required by the OCP;

WHEREAS, County and Owner (individually a "Party" and collectively the "Parties") have agreed on the portion of the Orcutt Creek Crossing Improvements that will be funded by the County pursuant to this Agreement (hereinafter the "Structure"); and

WHEREAS, the Parties hereto desire to set forth each's obligations regarding (1) construction of the Structure on Black Oak Drive by Owner, and (2) reimbursement of Owner up to a certain dollar amount by County, in accordance with this Agreement and the Conditions of Approval on the Project.

**NOW, THEREFORE**, in consideration of the mutual covenants and conditions contained herein, the Parties agree as follows:

#### 1. <u>DESIGNATED REPRESENTATIVE</u>

Chris Sneddon with Santa Barbara County Public Works, is the representative of County and will administer this Agreement for and on behalf of County. Quincy Daniels, with Coastal Community Builders, Inc. is the representative of the Owner. Changes in designated representatives shall be made only after advance written notice to the other Party.

#### 2. NOTICES

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by personal delivery, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To County:

Chris Sneddon

Santa Barbara County Public Works

Transportation Division 123 E. Anapamu St. Santa Barbara, CA 93101

o. 805-568-3064

To Owner:

Quincy Daniels, Senior Project Manager

330 James Way, Ste. 270 Pismo Beach, CA 93449

c. 805.264.3555

o. 805.556.3060 ext 114

CoastalCommunityBuilders.com

or at such other address or to such other person that the Parties may from time to time designate in accordance with this Notices section. Notices and consents under this Agreement shall be deemed delivered (a) if sent by first class mail, five (5) days following their deposit in the U.S. mail; (b) if by personal delivery, the day of such personal delivery; and (c) if delivered by overnight express courier service, the next business day after posting. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

#### 3. SCOPE OF SERVICES

Owner agrees to construct the Structure in accordance with EXHIBIT A attached hereto and incorporated herein by reference.

#### TERM

Owner shall complete the Work (defined in EXHIBIT A) prior to issuance of an occupancy clearance for the first residential structures. Unless terminated earlier pursuant to Section 18 or by law, the term of this Agreement shall expire thirty (30) days after the later to occur of (a) the County's funding of final payment to Owner under this Agreement, or (b) the date of issuance of an occupancy clearance for the first residential structures at the Project.

#### 5. COMPENSATION OF OWNER

In full consideration for the Work, Owner shall be reimbursed for performance under this Agreement in accordance with the terms of EXHIBIT B attached hereto and incorporated herein by reference. Progress billing shall be made by invoice, which shall include the contract number assigned by County and which is delivered to the address given in Section 2 (Notices) above following completion of the project deliverables identified on Exhibit B-1. Unless otherwise specified on EXHIBIT B, payment shall be net thirty (30) days from presentation of any invoice. In no event shall Owner be paid an amount in excess of the Contract Maximum (see EXHIBIT B attached hereto and incorporated herein by reference), plus Owner's actual costs associated with any County-approved change order(s) that Owner completes.

#### 6. INDEPENDENT CONTRACTOR

It is mutually understood and agreed that Owner (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent contractor as to County and not as an officer, agent, servant, employee, joint venture, partner, or associate of County. Furthermore, County shall have no right to control, supervise, or direct the manner or method by which Owner shall perform its work and function. However, County shall retain the right to administer this Agreement so as to verify that Owner is performing its obligations in accordance with the terms and conditions hereof, including but not limited to the Standard of Performance below. Owner understands and acknowledges that it shall not be entitled to any of the benefits of a County employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure. Owner shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, Owner shall be solely responsible and save County harmless from all matters relating to payment of Owner's agents, contractors/subcontractors, and employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, Owner may be providing services to others unrelated to the County or to this Agreement.

#### 7. STANDARD OF PERFORMANCE

Owner represents that any persons or entities with whom he contracts to perform the Work shall have the skills, expertise, and licenses/permits necessary to perform the Work required under this Agreement. Accordingly, such persons or entities shall perform all such Work in the manner and according to the standards observed by a competent practitioner of the same profession in which such persons or entities are engaged. All products of whatsoever nature, which Owner delivers to County pursuant to this Agreement, shall be completed using County and Caltrans design standards and construction practices as set forth in Caltrans Standard Plans and Specifications (2018) and County Engineering Design Standards (2011), and reflected in the approved project documents attached as EXHIBIT A-1. Owner shall correct or revise any construction related errors or omissions, at County's request without additional compensation. Permits necessary to complete the Work shall be obtained and maintained by Owner the reasonable costs of which shall be a component of the Contract Maximum.

#### 8. DEBARMENT AND SUSPENSION

Owner certifies to County that he shall not contract with persons or entities for the Work who are debarred, suspended, or otherwise excluded from or ineligible for, participation in federal, state, or County government contracts.

#### 9. TAXES

Owner shall pay all taxes, levies, duties, and assessments of every nature due in connection with installation and construction of the Work under this Agreement and shall make any and all payroll deductions required by law. County shall not be responsible for paying any taxes on Owner's behalf, and should County be required to do so by state, federal, or local taxing agencies, Owner agrees to promptly reimburse County for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

#### 10. CONFLICT OF INTEREST

Owner certifies that it shall not contract with or employ persons or entities for the Work who have any employment or interest, direct or indirect, including any interest in any business, property, or source of income, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. Owner must promptly disclose to County, in writing, any potential conflict of interest. County retains the right to waive a conflict of interest disclosed by Owner if County determines it to be immaterial, and such waiver is only effective if provided by County to Owner in writing.

#### 11. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

Owner and County shall have joint ownership of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, engineering plans and as-built drawings, including CAD files, all photos, design documents, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, from the time of collection and/or production, whether or not performance under this Agreement is completed or terminated prior to completion. Owner shall not release any of such items to other parties except after prior written approval of County.

Unless otherwise specified in EXHIBIT A, Owner hereby assigns to County joint ownership rights to all copyright, patent, and other intellectual property and proprietary rights to all data, documents. reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by Owner pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). County shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. Owner agrees to take such actions and execute and deliver such documents as may be needed or requested by County to validate, protect and confirm the rights and assignments provided hereunder. Owner warrants that any Copyrightable Works and Inventions and other items provided under this agreement will not infringe upon any intellectual property or proprietary rights of any third party. Owner at its own expense shall defend, indemnify, and hold harmless County against any claim that any Copyrightable Works or Inventions or other items provided by Owner hereunder infringe upon intellectual or other proprietary rights of a third party, and Owner shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by County in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

#### 12. NO PUBLICITY OR ENDORSEMENT

Owner shall not use County's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. Owner shall not use County's name or logo in any manner that would give the appearance that the County is endorsing Owner. Owner shall not in any way contract on behalf of or in the name of County. Owner shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the County or its projects, without obtaining the prior written approval of County.

#### 13. COUNTY PROPERTY AND INFORMATION

All of County's property, documents, and information provided for Owner's use in connection with the services shall remain County's property, and Owner shall return any such items whenever requested by County and whenever required according to the Termination section of this Agreement. Owner may use such items only in connection with the Work. Owner shall not disseminate any County property, documents, or information without County's prior written consent.

#### 14. RECORDS, AUDIT, AND REVIEW

Owner shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent developer and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting principles. County shall have the right to audit and review all such documents and records at any time during regular business hours or upon reasonable notice. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00), Owner shall be subject to the examination and audit of the California State Auditor, at the request of the County or as part of any audit of the County, for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). Owner shall participate in any audits and reviews, whether by County or the State, and each Party shall bear its own costs related to same.

If federal, state or County audit exceptions are made relating to this Agreement, Owner shall reimburse all costs incurred by federal, state, and/or County governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from County, Owner shall reimburse the amount of the audit exceptions and any other related costs directly to County as specified by County in the notification.

#### 15. INDEMNIFICATION AND INSURANCE

- A. Owner agrees to the indemnification and insurance provisions as set forth in EXHIBIT C attached hereto and incorporated herein by reference.
- B. Owner shall require its contractor(s) performing work on the Project Site to agree to the indemnification and insurance provisions set forth in EXHIBIT C attached hereto and incorporated herein by reference.

#### 16. NONDISCRIMINATION

County hereby notifies Owner that County's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and Owner agrees to comply with said ordinance. Owner further agrees that persons or entities with whom he contracts shall also be required comply with such ordinance in regards to the Work.

#### 17. NON-ASSIGNMENT

Owner shall not assign or transfer this Agreement or any of its rights or obligations under this Agreement without notice to County and appointment of a transferee subject to the terms of this Agreement. Upon delegation of the duties and obligations under this Agreement to a transferee, Owner shall be released from his obligations under this Agreement with respect to the Work so transferred arising subsequent to the effective date of such transfer if (i) the transferee or Owner has provided the County prior written notice of such transfer and (ii) the transferee has agreed in writing to be subject to the provisions of this Agreement.

#### 18. TERMINATION

- A. <u>By County</u>. County may, by written notice to Owner, terminate this Agreement in whole or in part at any time, whether for County's convenience, for nonappropriation of funds, or because of the failure of Owner to fulfill the obligations herein.
- 1. For Convenience. County may terminate this Agreement in whole or in part upon thirty (30) days written notice. During the thirty (30) day period, Owner shall, as directed by County, wind down and cease its services as quickly and efficiently as reasonably possible, without performing unnecessary services or activities and by minimizing negative effects on County from such winding down and cessation of services.
- 2. For Nonappropriation of Funds. Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by federal, state or County governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement, then County will notify Owner of such occurrence and County may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Upon receipt of notice of termination or suspension pursuant to this subsection, Owner shall immediately discontinue all services affected (unless the notice directs otherwise) and notify County as to the status of its performance. The date of termination shall be the date the notice is received by Owner, unless the notice directs otherwise.
- 3. For Cause. Should Owner default in the performance of this Agreement or materially breach any of its provisions, provided such default is not remedied by Owner within thirty (30) days of written notice to Owner, County may, at County's sole option, terminate or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, Owner shall immediately discontinue all services affected (unless the notice directs otherwise) and notify County as to the status of its performance. The date of termination shall be the date the notice is received by Owner, unless the notice directs otherwise.
- **4. County Completion of Work.** In the event the County terminates the Agreement pursuant to subsection A.1. or A.2. above, the County shall timely complete the Work itself at its own expense without unreasonable delay. The Parties recognize and expressly acknowledge that completion of the Work must occur prior to occupancy clearance for the first residential structures. In the event County performs the Work, in whole or in part, Owner shall grant to County easements or other permissions reasonably necessary for County to perform such Work.
- B. <u>By Owner</u>. Should County fail to pay Owner all or any part of the payment set forth in EXHIBIT B, Owner may, at Owner's option terminate this Agreement if such failure is not remedied by County within thirty (30) days of written notice to County of such late payment.
- C. Upon termination, Owner shall deliver to County copies of all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been

accumulated or produced by Owner in performing this Agreement, whether completed or in process. Notwithstanding any other payment provision of this Agreement, County shall pay Owner for performance of the Work to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall Owner be paid an amount in excess of the Contract Maximum under this Agreement, plus any County-approved change orders completed prior to the date of termination. Owner shall furnish to County such financial information as in the judgment of County is necessary to determine the reasonable value of the services rendered by Owner. In the event of a dispute as to the reasonable value of the services rendered by Owner, the decision of County shall be final. The foregoing is cumulative and shall not affect any right or remedy which County or Owner may have in law or equity.

#### 19. SECTION HEADINGS

The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

#### 20. SEVERABILITY

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

#### 21. REMEDIES NOT EXCLUSIVE

No remedy herein conferred upon or reserved to County is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

#### 22. TIME IS OF THE ESSENCE

Time is of the essence in this Agreement and each covenant and term is a condition herein.

#### 23. NO WAIVER OF DEFAULT

No delay or omission of County to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power, or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to County shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of County.

#### 24. <u>ENTIRE AGREEMENT AND AMENDMENT</u>

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the Parties and there have been no promises, representations, agreements, warranties or undertakings by any of the Parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the Parties to this Agreement and by no other means. Each Party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

#### 25. SUCCESSORS AND ASSIGNS

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the Parties hereto, shall be binding upon and inure to the benefit of such Party, its successors and assigns.

#### 26. COMPLIANCE WITH LAW

Owner shall, at its sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of Owner in any action or proceeding against Owner, whether County is a Party thereto or not, that Owner has violated any such ordinance or statute, shall be conclusive of that fact as between Owner and County.

#### 27. CALIFORNIA LAW AND JURISDICTION

This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

#### 28. EXECUTION OF COUNTERPARTS

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the Parties shall preserve undestroyed, shall together constitute one and the same instrument.

#### 29. AUTHORITY

All signatories and parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, Owner hereby warrants that he shall not have breached the terms or conditions of any other contract or agreement to which Owner is obligated, which breach would have a material effect hereon.

#### 30. SURVIVAL

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration to the extent necessary for the enforcement of the parties' rights and obligations hereunder.

#### 31. PRECEDENCE

In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

[Signature Pages Follow]

Agreement for Reimbursement between the County of Santa Barbara and Vintage Ranch Orcutt, LLC.

**IN WITNESS WHEREOF,** the Parties have executed this Agreement to be effective on the date executed by County.

ATTEST:	COUNTY OF SANTA BARBARA:
Mona Miyasato County Executive Officer Clerk of the Board	
By: Deputy Clerk	By:Chair, Board of Supervisors
	Date:
RECOMMENDED FOR APPROVAL:	OWNER:
By: Department Head	VINTAGE RANCH ORCUTT, LLC, a California limited liability company  By:  Gary H. Grossman, Manager
APPROVED AS TO FORM:	APPROVED AS TO ACCOUNTING FORM:
Rachel Van Mullem County Counsel  By:  DocuSigned by:  2DC569DD40094B4 Deputy County Counsel	Betsey M. Schaffer, CPA Auditor-Controller  By: Robert Gus  D25019E2AF094BE  Deputy
APPROVED AS TO FORM:	

RISK MANAGEMENT

DocuSigned by:

Gra Milligan

—DC240AC1E64247D.

NISK WIATTAYETTENT

Agreement for Reimbursement between the County of Santa Barbara and Vintage Ranch Orcutt, LLC.

**IN WITNESS WHEREOF,** the Parties have executed this Agreement to be effective on the date executed by County.

ATTEST:	COUNTY OF SANTA BARBARA:
Mona Miyasato County Executive Officer Clerk of the Board	
By: Deputy Clerk	By:Chair, Board of Supervisors
	Date:
RECOMMENDED FOR APPROVAL:	OWNER:
By: Department Head	VINTAGE RANCH ORCUTT, LLC, a California limited liability company  By:  Gary H. Grossman, Manager
APPROVED AS TO FORM:	APPROVED AS TO ACCOUNTING FORM:
Rachel Van Mullem County Counsel  By:  DocuSigned by:  2DC569DD40094B4 Deputy County Counsel	Betsey M. Schaffer, CPA Auditor-Controller  By: Robert Gus  D25019E2AF094BE  Deputy
APPROVED AS TO FORM:	

RISK MANAGEMENT

DocuSigned by:

Gra Milligan

—DC240AC1E64247D.

NISK WIATTAYETTENT

#### **EXHIBIT A**

#### STATEMENT OF WORK

#### I. THE WORK

1. Owner shall do the following: (a) cause the construction of the Structure as shown in EXHIBIT A-1, (County-approved project documents), attached hereto and incorporated herein by reference, according to approved specifications: and (b) comply with all necessary County and/or environmental permits throughout construction of the Structure (the "Work").

#### II. PERFORMANCE OF THE WORK

- 2. Owner shall submit plans and specifications for the Structure to be approved by Public Works. The County-approved plans and specifications shall be attached as EXHIBIT A-1.
- 3. Owner shall build or cause to be built the Structure as shown in EXHIBIT A-1, and shall furnish all labor, equipment and materials necessary to perform and complete the Work. Owner shall complete such Work in a workmanlike manner in compliance with all County-approved specifications for such Work set forth in EXHIBIT A-1 to the satisfaction of the Santa Barbara County Director of Public Works.
- 4. Owner shall ensure all permits necessary for the Work are obtained in accordance with applicable County permitting requirements. County shall act diligently and without unreasonable delay in the review of said permit applications. Nothing herein shall be deemed to be a waiver or infringement of the County's police power, nor shall any part or all of this Agreement be construed on the part of the County as an obligation to grant any permits, entitlements, or approvals.
- 5. Any Work performed by Owner or his agents under this Agreement shall be done in compliance with all regulations governing engineering and construction standards and specifications, including California Department of Transportation Standard Specifications, design review and right of way, and Local Assistance Procedures Manual, the Santa Barbara County Engineering Design Standards; and all uniform codes adopted by the State of California and subsequently adopted by the County, including local amendments to those codes pursuant to those codes; and the Project's Conditions of Approval.
  - 6. Owner shall be responsible to otherwise satisfy the conditions of the Project.
- 7. Owner understands that no permits will be issued until all bonds, insurance certificates and other required certifications have been provided to County as required.
- 8. Owner guaranties that he shall engage a construction management specialist that has the skills, expertise, and licenses necessary to perform the Work required under this Agreement. Owner shall provide the name and contact information of such construction management specialist for review and approval by the County's Designated Representative prior to commencement of the Work. Accordingly, Owner and his agents shall perform the Work in the manner and according to the standards observed by a competent person engaged in the design and construction of this type of Work. The Work shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person engaged in the design and construction of this type of Work. Owner shall correct or revise any errors or omissions, at County's request without additional compensation. Permits and/or licenses shall be obtained and maintained by Owner through completion of the Project without additional compensation. Pursuant to Section 18 of the Agreement, the County may terminate the Agreement and complete the Work itself at its own expense. If the County terminates the Agreement

pursuant to Section 18, unless the Owner has abandoned the Project, as determined by the County, the County shall timely complete the Work without unreasonable delay. In such event, the County shall not be liable to Owner for any reimbursement regarding the Work, except for any portion of the Work completed by Owner prior to the County's provision of notice of termination of the Agreement. In the event County performs the Work, in whole or in part, Owner shall grant to County easements or other permissions reasonably necessary for County to perform such Work.

9. County's reimbursement for the Work under EXHIBIT B (or the completion of the Work by County in accordance with this EXHIBIT A) shall fully fulfill the obligations of County regarding the Structure.

#### III. PUBLIC WORKS

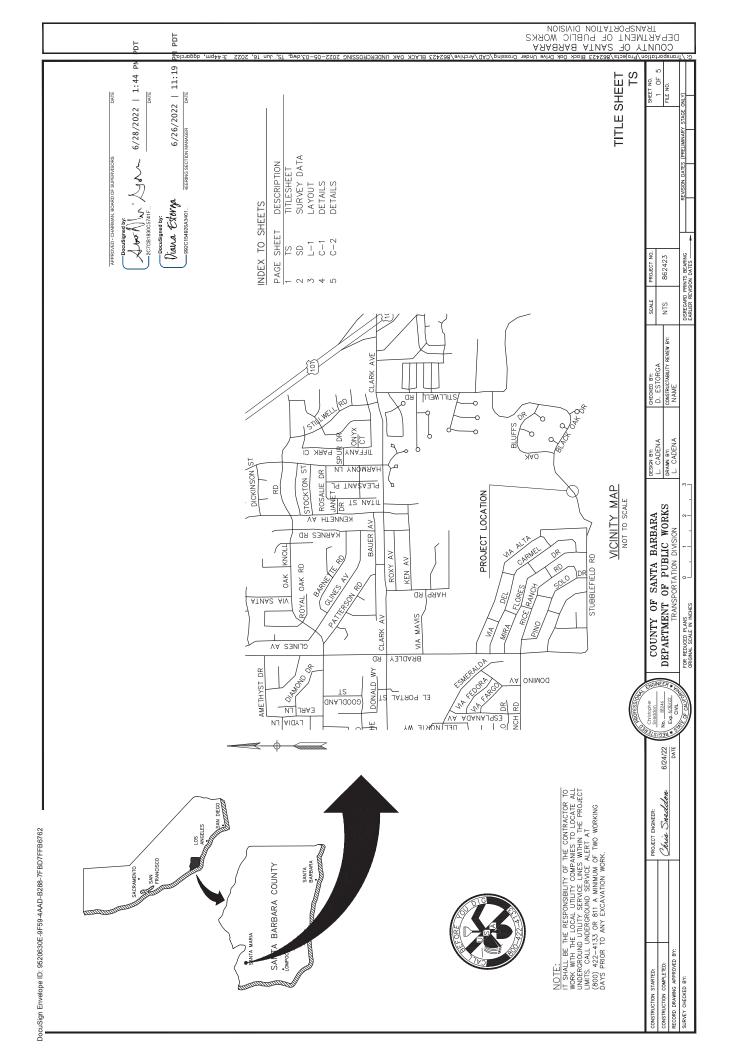
- 10. Any work performed by Owner or his agents shall be performed in the same manner and subject to the same requirements as would be applicable to the County or such other public agency should it have undertaken such construction of the Work, including, but not limited to, the Local Agency Public Construction Act (Public Contracts Code sections 20100 *et seq.*), the Uniform Public Construction Cost Accounting Act (Public Contracts Code sections 22000 et seq.), dispute resolution (Public Contracts Code section 9201 *et seq.*), and the payment of the prevailing wages pursuant to Labor Code section 1770 *et. seq.*
- 11. Owner warrants that he understands that the Work is a "public work" as defined in Division 2, Part 7, Chapter 1 of the Labor Code to which Labor Code section 1771 Requirement of Prevailing Local Rate for Work under Contract applies.
- 12. Owner shall identify in the notice inviting bids for the Work that the Work is a "public work" as defined in Division 2, Part 7, Chapter 1 of the Labor Code to which Labor Code Section 1771 Requirement of Prevailing Local Rate for Work applies and shall state the requirement for contractors and subcontractors to pay at least the prevailing wage for performance of such Work.

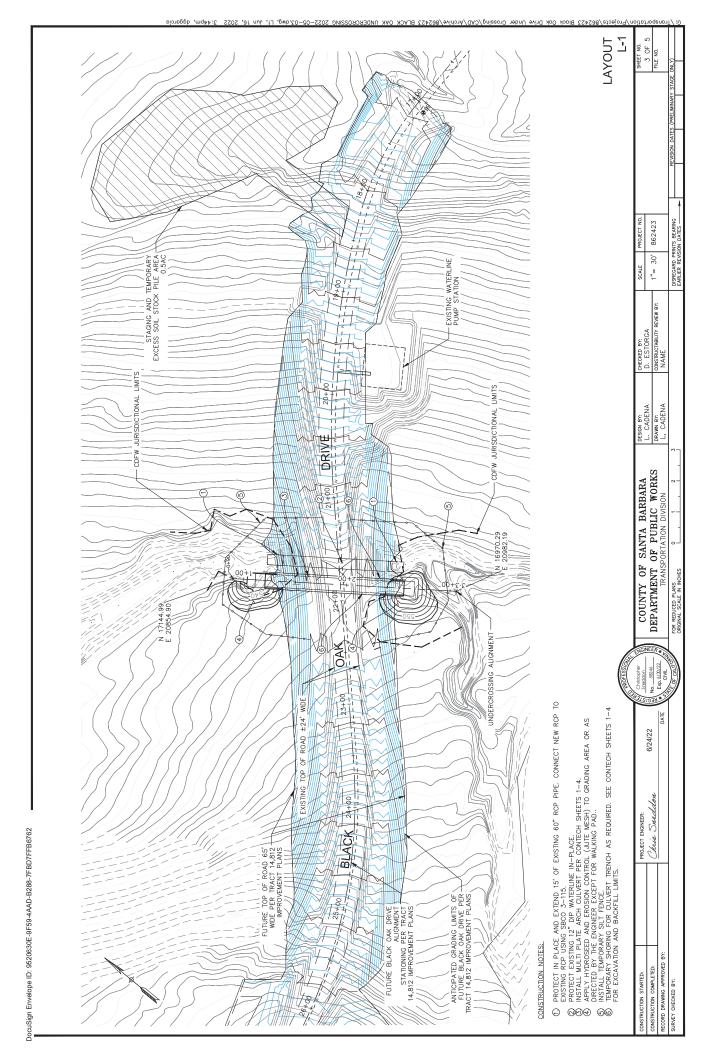
#### IV. ENVIRONMENTAL MATTERS

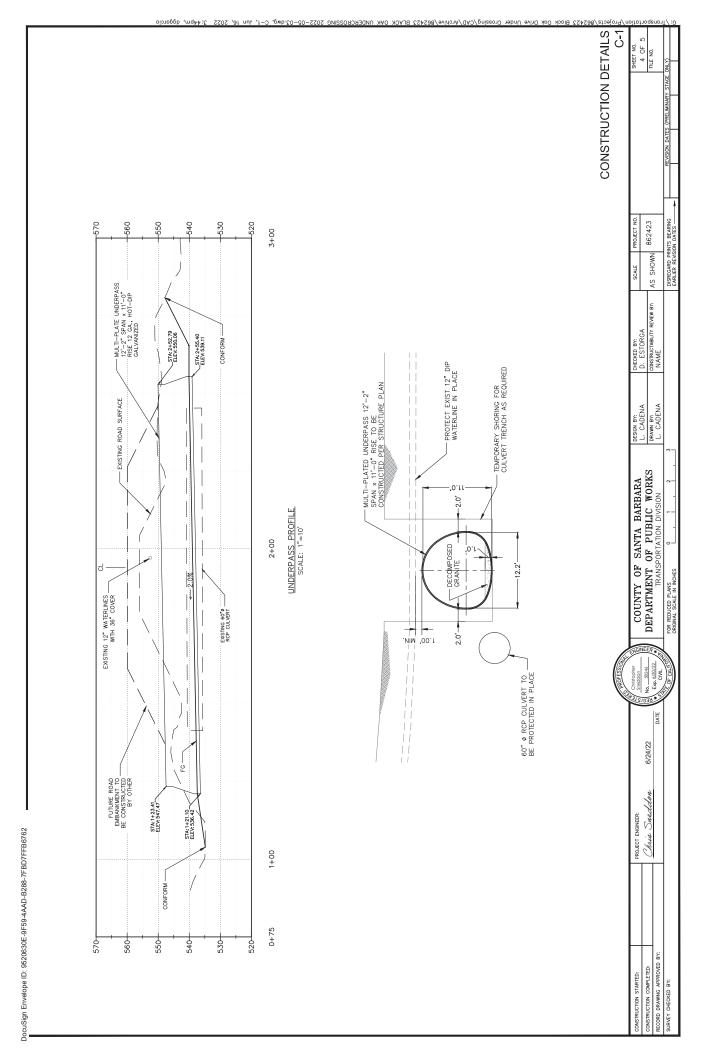
13. Owner is responsible for complying with all necessary environmental permits throughout construction of the Structure, the reasonable costs of which are a component of the Contract Maximum.

# EXHIBIT A-1 APPROVED PROJECT DOCUMENTS

(attached)









Dayton Office

#### ENGINEERING REPORT

TO:

Contech Engineered Solutions LLC

DATE: May 23, 2022

9025 Centre Pointe Drive Suite 400

CBC NO: 24985D-1-0522-05

West Chester, OH 45069

ATTN:

Mr. Zach Moore, P.E.

Project Engineer

Re:

Review of AASHTO LRFD Calculations and Shop Drawings for a Proposed MULTI-PLATE

Underpass Structure (703615); Blacks Road Crossing, Santa Maria, California; CBC Report No.

24985D-1-0522-05

The purpose of this report is to provide an evaluation of the AASHTO structural calculations and shop drawings for the above referenced proposed MULTI-PLATE underpass structure (6" x 2" galvanized steel corrugation). The structure is proposed to be a 12'-2" span by 11'-0" rise underpass structure with 12 gage (0.111") plate thickness. The height of cover over the structure is reported to vary from a minimum of 2.0 feet to a maximum of 18.0 feet at 120 pcf with HL-93 live load at the ground surface. The AASHTO LRFD calculations have been performed for these minimum and maximum cover heights. We have evaluated the structural calculations and the shop drawings, and agree they conform to accepted industry standards for this structure type. We have not made an independent verification of the data used to perform the design calculations, and understand all initial assumptions and data are correct as presented to us. Others are responsible for all other aspects of the design of the structure, including but not limited to hydraulics, scour/abrasion/corrosion evaluation and remedial measures, end treatments, bedding/backfill evaluation, settlement, any required temporary bracing, and structure connections, and the only responsibility of CBC Engineers & Associates, Ltd. is as listed above.

It is the responsibility of the Contractor to ensure that the select backfill around the structure is the proper material type and is placed in accordance with the project specifications, the manufacturer's requirements, and accepted industry standards. The backfill differential level between sides of the structure should not exceed 16 inches. Contractor is also responsible for any required bracing/shoring to prevent any distortion of the structure during installation and backfilling, and for knowing and following all applicable safety requirements. Care must be exercised to maintain balanced loading on the structure during any backfilling or construction operations, and the structure must be properly backfilled to Contech Engineered Solutions
CBC Report No. 24985D-1-0522-05

maintain this balanced loading. The dimension of the structure should be within 2% of the design dimensions at all locations during and at the completion of installation, and this should be verified by field measuring during construction. The foundation soil and embankment material below and beside the proposed structure must be a uniform non-yielding material meeting the project requirements (by others) with a minimum allowable bearing capacity of at least 4000 psf. This must be verified in the field by a geotechnical engineer before the installation of the structure. Scour is not addressed herein and is the responsibility of others than CBC Engineers & Associates, Ltd.

We have accordingly signed and sealed the shop drawings, and they are attached along with the calculations. Our professional services have been performed and our findings obtained in accordance with generally accepted engineering principles and practices. No other warranty, express or implied, is made. This report has been prepared for the exclusive use of Contech Engineered Solutions LLC and its designees for specific application to the project herein described. Anyone reviewing this report must interpret and draw their own conclusions regarding specific construction techniques and methods chosen. CBC Engineers & Associates, Ltd. is not responsible for the independent conclusions, opinions or recommendations made by others. If you have any questions, please contact us.

Respectfully submitted,

Deepa Nair

CBG Englifeers & Associates, Ltd.

Civil Engine M.S., P.E.

Mitchell T. Hardert, P.E.

Chief Engineer

DN/MTH/mt

ec: Client (zach.moore@conteches.com)

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ec: Melinda Fugate (melinda.fugate@conteches.com)

1-File

# APPENDIX A CALCULATIONS

## Structural Design Check for Corrugated Steel Plate Pipe

Per AASHTO LRFD Bridge Design Specifications, Section 12, 9th Edition 2020 ENGINEERED SOLUTIONS

Project Name:	Blacks Road Under	crossing	CRM #:	703,615	-
Location:	Santa Maria, (	CA	Date:	5/23/2022	-
Structure Shape		Pipe Arch			Select Shape Below
Corrugation Type		6 X 2 in.			***
Loading Case		1	(lanes)		12'-2" X 11'-0"
Gage		12			
Bolting Type		4 Bolts/ft.			
				S, Span	146 (in.)
H, Height of Cover		2.0	(ft.)	Note: Please	enter Soil Bearing Pressure value in space at left
SB, Maximum Soil Bear	ing Pressure	4.00	(ksf)		
ρ, Density of Cover Mat	erial (120 pcf default)	0.12	(kcf)		(Table 3.5.1-1)
Design Truck (LRFD Hi	ghway Load is HL-93)	HL-93			
A Dine Wall Area		1.556	(sq. in./ft.)		(Table A12-3)
A <sub>w</sub> , Pipe Wall Area I, Moment of Inertia		0.0604	(in. <sup>4</sup> /in.)		(Table A12-3)
r, Radius of Gyration		0.682	(in.)		(Table A12-3)
Rt, Top Radius		67	(in.)		(See Shapes Sheet)
Rc, Corner Radius		38	(in.)		(See Shapes Sheet)
$E_m$ , Modulus of Elastici	tv	29000	(ksi)		(Table A12-10)
$F_u$ , Tensile Strength	· ·	45	(ksi)		(Table A12-10)
$F_{\nu}$ , Yield Strength		33	(ksi)		(Table A12-10)
L <sub>p</sub> , Surface Load Conta	act Length	0.833	(ft.)		(3.6.1.2.5)
w <sub>t</sub> , Surface Load Conta		1.667	(ft.)		(3.6.1.2.5)
W <sub>l</sub> , Surface Load Come	HS20 Co				
a Whool	11320 00	6.00	(ft)		
s <sub>w</sub> , Wheel s <sub>a</sub> , axle spacing		14.00	(ft)		
		1.15			(Table 3.6.1.2.6a-1)
LLDF H <sub>int-t</sub> , Wheel Interaction	Depth	3.13	(ft)		(3.6.1.2.6b-1)
W <sub>w</sub> , live load patch len Ww=wt/12+sw+LLDF >	gth	4.70	(ft)		(3.6.1.2.6b-3)
H <sub>int-p</sub> , Axle Interaction I		11.45			
Number of Interacting		1			
		0.64	(klf)		(3.6.1.2.4)
DL, Design Lane Load					(3.6.1.2.6b-5)
l <sub>w</sub> , live load patch leng lw=lt/12+LLFD(H)	ui	3.13	(ft)		
A <sub>LL</sub> , Area of live load p	atch at H	14.72	(ft2)		(3.6.1.2.6a-1)
FFR, Flexibility Factor		30	(in./kip)		(Table 12.5.6.1-1)
k, Soil Stiffness Factor		0.22			(12.7.2.4)
IM, Dynamic Load Factor	IM = 33(1.0-0.125H)	24.75	(%)		(3.6.2.2-1)
m, Multiple Presence	Factor	1.2			(Table 3.6.1.1.2-1)

## Structural Design Check for Corrugated Steel Plate Pipe



Per AASHTO LRFD Bridge Design Specifications, Section 12, 9th Edition 2020 ENGINEERED SOLUTIONS

Pel AASITIO L	IN Dilage Design open				(3.6.1.2.2)
P, Design Truck Load (	HS20)	16	(kip/wheel group)		(3.6.1.2.3)
PT, Design Tandem Los	ad	12.5	(kip/wheel group)		(3.6.1.2.3) (Table A12-8)
SS, Seam Strength		43	(kip/ft.)		(Table 12.5.5-1)
$\Phi_{w}$ , Wall Area and Buck	kling	1.00			(Table 12.5.5-1)
Φ <sub>SS</sub> , Seam Strength		0.67	1		(Table 12.5.5-1)
$\Phi_{BP}$ , Backfill Bearing Re	esistance	1.00	]		(1.3.4, 12.5.4)
η <sub>EV</sub> , Redundancy Facto	r	1.05			
$η_{LL}$ , Redundancy Facto	r	1.00			(1.3.4, 12.5.4)
γ <sub>EV</sub> , Dead Load Factor		1.95	]		(Table 3.4.1-2)
$\gamma_{LL}$ , Live Load Factor		1.75	]		(Table 3.4.1-1)
$P_L = (P(1+IM/100)m)/A$	LL	1.63	(ksf)		(3.6.1.2.6b-7)
P <sub>FD</sub> , Factored Dead Lo	ad Crown Pressure =η <sub>EV</sub> γ <sub>EV</sub> x H x ρ	0.4914	(ksf)		(3.5.1)
P <sub>FL</sub> , Factored Live Loa	d Crown Pressure $= \eta_{LL} \gamma_{LL} P_L$	2.85	(ksf)		
P <sub>DL</sub> , Factored Design L	.ane Load = η <sub>LL</sub> γ <sub>LL</sub> mDL/10	0.134	(ksf)		
Factored Thrust (star	idard structures)		/		(12.7.2.2-4)
F <sub>min</sub>	= greater of 15/S or 1	1.00 2.91	(dimensionless) (dimensionless)		(12.7.2.2-4)
F <sub>1</sub>	= greater of 0.75S/lw or F <sub>min</sub>	2.91	(diliterisioniess)		(,_,,_,,_,,
C <sub>L</sub> , Width of Culvert on which LL is applied	= <b>I</b> w ≤ S	3.13	(ft)		(12.7.2.2-2)
T <sub>L</sub> , Factored Thrust	$=(P_{FD}+P_{DL})S/2+(P_{FL} C_L F_1)/2$	16.802	(kip/ft)		(12.7.2.2-1)
EV, Vertical Earth Load	EV = ρH	0.24	_ (ksf)		(3.5.1)
R <sub>w</sub> , Wall Resistance	$R_w = \Phi_w F_y A_w$	51.348	(kip/ft.)	> T _	16.802 OK (12.7.2.3-1)
F <sub>cr</sub> , Critical Buckling		41.773	(ksi)	. 2	
Stress If:	$S < \frac{r}{k} \sqrt{\frac{24E_m}{F_u}}$	Then:	$F_{cr} = F_{u} - \left(\frac{F_{u}}{F_{u}}\right)$	$\left(\frac{kS}{r}\right)^2$	(12.7.2.4-1)
	N 1 2 "	upper case controls	,	$E_m$	
But if:	$S > \frac{r}{k} \sqrt{\frac{24E_m}{F_u}}$	Then:	$F_{cr} = \frac{12E_m}{\left(\frac{kS}{m}\right)^2}$		(12.7.2.4-2)
		44.770	(r)	>	33
R <sub>b</sub> , Buckling	If: $F_{cr} > F_{y}$ , then $F_{cr} = F_{y}$	41.773	(ksi)	. т	16.802 OK
Resistance	$R_b = \Phi_w F_{cr} A_w$	51.348	(kip/ft.)	> T .	(12.7.2.3-1)
FF, Flexibility	$FF = S^2/(E_m I)$	12.169	(in./kip)	< FFR	30 OK (12.7.2.6-1)
Factor R <sub>s</sub> , Factored Seam	$R_s = \Phi_{SS}SS$	28.810	(kip/ft.)	> T .	16.802 OK (12.7.2.5)
Strength  Consider the trench w	ridth to reduce the corner bearing pressur	e1 Yes			
Default to AASHTO tr		Yes			
Delault to AASI ITO ti	CHOIL Matt.				
W <sub>T</sub> , Trench Width		12	(in.)		(Table C12.6.6.2-1)
	L <sub>1</sub> =40+(12H-12)1.75	61	(in.)		
	$L_2 = L_1 + 1.37S$	261.02	(in.)		
	$L_3 = L_2 + 72$	333.02	(in.)		
	$C1 = 2 \times L1/L3$	0.3663			
Prossure	$P_{C} = (EV + C_{1}(P_{L} + DL/10)) \times R_{T}/[\Phi_{BP}(F_{L})]$	$R_{c}+W_{T}$ )]	(ksf)	< SB	4.000 OK (12.6.3.2, NCSPA 7-22)
		•			

Page 2 of 2



Structural Design Check for Corrugated Steel Plate Pipe
Per AASHTO LRFD Bridge Design Specifications, Section 12, 9th Edition 2020

CONTECH
ENGINEERED SOLUTIONS

Project Name:	Blacks Road Undercross	ing	CRM #:	703,615	=
Location:	Santa Maria, CA		Date	5/23/2022	-
		Undernoon			
Structure Shape	*	Underpass			Select Shape Below
Corrugation Type		6 X 2 in.	(lanes)		12'-2" X 11'-0"
Loading Case		12	(larioo)		
Gage		4 Bolts/ft.			
Bolting Type		4 Bolts/it.		S, Span	146 (in.)
		18.0	(ft.)		enter Soil Bearing Pressure value in
H, Height of Cover				Note. Flease	space at left
SB, Maximum Soil Bearing		4.00	(ksf)		(Table 3.5.1-1)
ρ, Density of Cover Materia	al (120 pcf default)	0.12	(kcf)		(1.00.0
Design Truck (LRFD Highw	vay Load is HL-93)	HL-93			
		1.556	(sq. in./ft.)		(Table A12-3)
A <sub>w</sub> , Pipe Wall Area		0.0604	(in. <sup>4</sup> /in.)		(Table A12-3)
I, Moment of Inertia		0.682	(in.)		(Table A12-3)
r, Radius of Gyration		67	(in.)		(See Shapes Sheet)
Rt, Top Radius		38	(in.)		(See Shapes Sheet)
		29000	(ksi)		(Table A12-10)
E <sub>m</sub> , Modulus of Elasticity		45	(ksi)		(Table A12-10)
F <sub>u</sub> , Tensile Strength		33	(ksi)		(Table A12-10)
F <sub>v</sub> , Yield Strength	Longth	0.833	(ft.)		(3.6.1.2.5)
L <sub>p</sub> , Surface Load Contact		1.667	(ft.)		(3.6.1.2.5)
w <sub>t</sub> , Surface Load Contact					
	Tandem Cont	6.00	(ft)		
s <sub>w</sub> , Wheel		4.00	(ft)		
s <sub>a</sub> , axle spacing		1.15			(Table 3.6.1.2.6a-1)
LLDF		3.13	(ft)		(3.6.1.2.6b-1)
H <sub>int-t</sub> , Wheel Interaction D					
W <sub>w</sub> , live load patch length Ww=wt/12+sw+LLDF x H	า + 0 06 Di/12	29.10	(ft)		(3.6.1.2.6b-3)
H <sub>int-p</sub> , Axle Interaction De		2.75			
Number of Interacting W		4			
DL, Design Lane Load		0.64	(klf)		(3.6.1.2.4)
I <sub>w</sub> , live load patch length			منسون -		(3.6.1.2.6b-6)
lw=lt/12+sa+LLFD(H)		25.53	(ft)		(3.6.1.2.6a-1)
ALL, Area of live load pate	ch at H	742.93	(ft2)		(3.6.1.2.6a-1) (Table 12.5.6.1-1)
FFR, Flexibility Factor Re		20	(in./kip)		(12.7.2.4)
k, Soil Stiffness Factor		0.22			
Total Control of the	M = 33(1.0-0.125H)	0	(%)		(3.6.2.2-1)
m, Multiple Presence Fa	ctor	1	_		(Table 3.6.1.1.2-1)

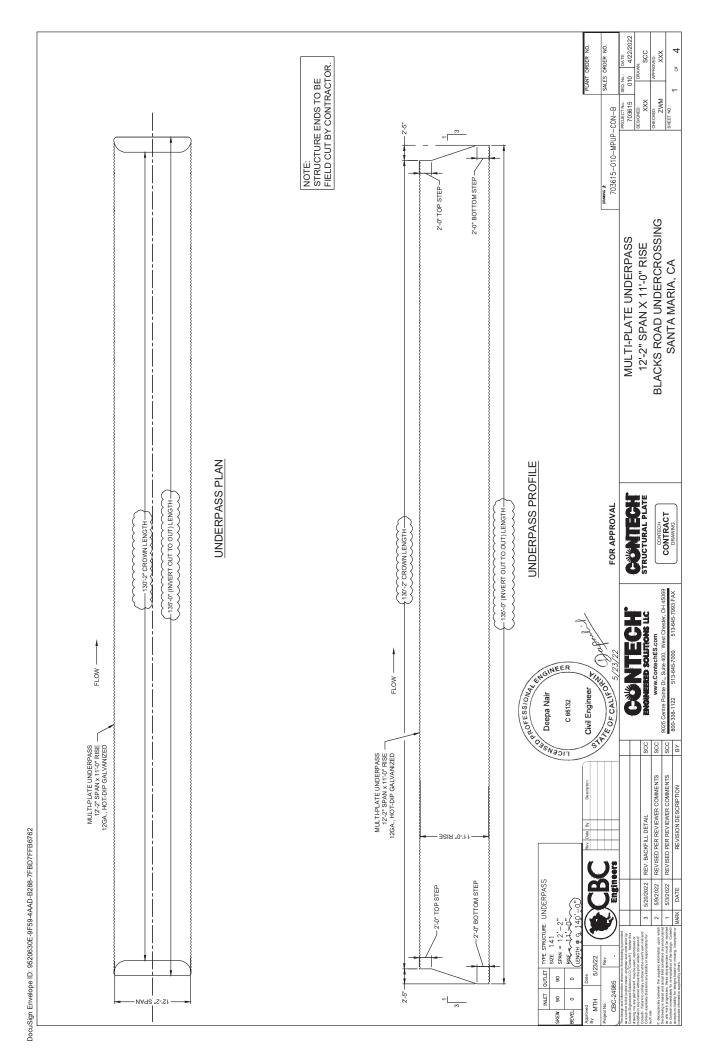
#### Structural Design Check for Corrugated Steel Plate Pipe

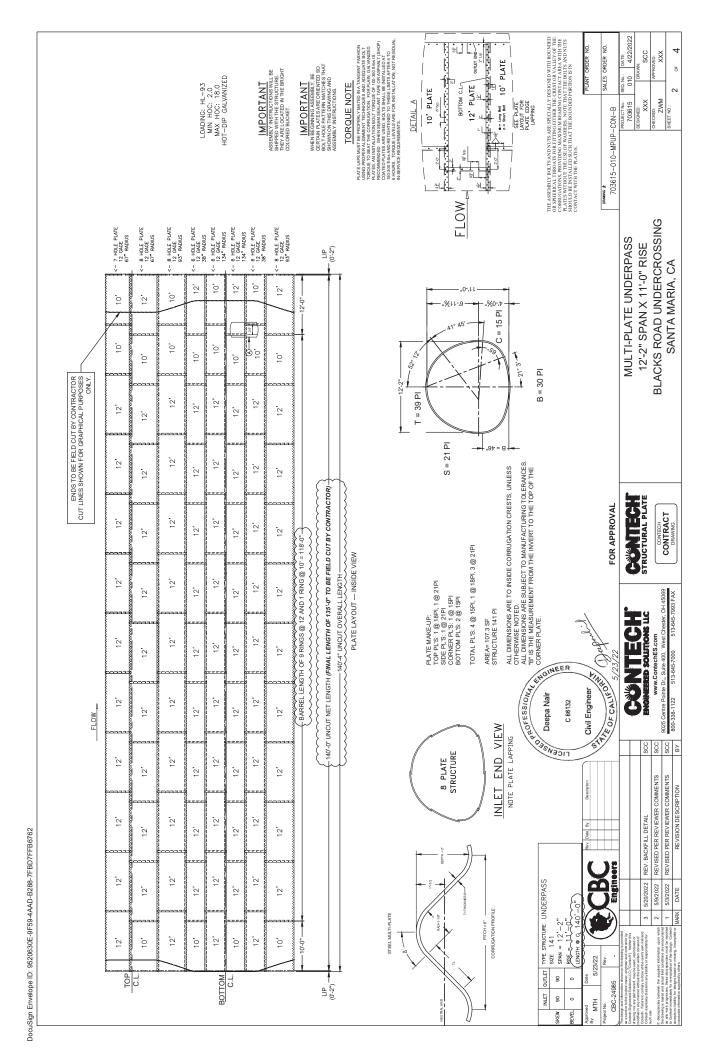


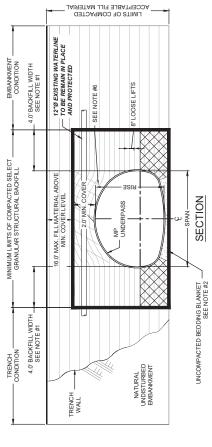
Per AASHTO LRFD Bridge Design Specifications, Section 12, 9th Edition 2020 ENGINEERED SOLUTIONS

P, Design Truck Load	(HS20)	16	(kip/wheel group)		(3.6.1.2.2)
PT, Design Tandem L		12.5	(kip/wheel group)		(3.6.1.2.3)
SS, Seam Strength		43	(kip/ft.)		(Table A12-8)
Φ <sub>w</sub> , Wall Area and Bu	ckling	1.00	_		(Table 12.5.5-1)
Φ <sub>SS</sub> , Seam Strength		0.67	<u> </u>		(Table 12.5.5-1)
Φ <sub>BP</sub> , Backfill Bearing F	Resistance	1.00			(Table 12.5.5-1)
η <sub>EV</sub> , Redundancy Fact	cor	1.05			(1.3.4, 12.5.4)
η <sub>LL</sub> , Redundancy Fact		1.00	i		(1.3.4, 12.5.4)
γ <sub>EV</sub> , Dead Load Factor		1.95			(Table 3.4.1-2)
γ <sub>LL</sub> , Live Load Factor		1.75			(Table 3.4.1-1)
$P_L = (P(1+IM/100)m)/r$	ALL	0.07	(ksf)		(3.6.1.2.6b-7)
P <sub>FD</sub> , Factored Dead Lo	oad Crown Pressure =η <sub>EV</sub> γ <sub>EV</sub> x H x ρ	4.4226	(ksf)		(3.5.1)
P <sub>FL</sub> , Factored Live Loa	ad Crown Pressure = η <sub>LL</sub> Υ <sub>LL</sub> P <sub>L</sub>	0.00	(ksf)		
P <sub>DL</sub> , Factored Design	Lane Load = η <sub>ιLYιL</sub> mDL/10	0.112	(ksf)		
Factored Thrust (sta					407000
F <sub>min</sub>	= greater of 15/S or 1 = greater of 0.75S/lw or F <sub>min</sub>	1.00 1.00	(dimensionless) (dimensionless)		(12.7.2.2-4) (12.7.2.2-3)
F <sub>1</sub>		1.00	(dimensionless)		(12.1.2.2 5)
C <sub>L</sub> , Width of Culvert o which LL is applied	n = lw ≤ S	12.17	(ft)		(12.7.2.2-2)
T <sub>L</sub> , Factored Thrust	$=(P_{FD}+P_{DL})S/2+(P_{FL} C_L F_1)/2$	27.585	(kip/ft)		(12.7.2.2-1)
EV, Vertical Earth Load	EV = ρH	2.16	(ksf)		(3.5.1)
R <sub>w</sub> , Wall Resistance	$R_w = \Phi_w F_y A_w$	51.348	(kip/ft.)	> T	27.585 OK (12.7.2.3-1)
F <sub>cr</sub> , Critical Buckling		41.773	(ksi)		
Stress If:	$S < \frac{r}{k} \sqrt{\frac{24E_m}{F_u}}$	Then:	$F_{cr} = F_u - \left(\frac{F_u}{F_{cr}}\right)$	$\left(\frac{nkS}{r}\right)^2$	(12.7.2.4-1)
	N 1 11	upper case controls	48	$3E_m$	
	$r = 24E_m$		$\frac{12E_m}{(12)^2}$		
But if:	$S > \frac{r}{k} \sqrt{\frac{24E_m}{F_u}}$	Then:	$F_{cr} = \frac{12E_m}{\left(\frac{kS}{r}\right)^2}$		(12.7.2.4-2)
D. Duntilling	If: $F_{cr} > F_{y}$ , then $F_{cr} = F_{y}$	41.773		>	33
R <sub>b</sub> , Buckling Resistance			(ksi)		27.585 OK
, tooletanes	$R_b = \Phi_w F_{cr} A_w$	51.348	(kip/ft.)	> T	(12.7.2.3-1)
FF, Flexibility Factor	$FF = S^2 I(E_m I)$	12.169	(in./kip)	< FFR	20 OK (12.7.2.6-1)
R <sub>s</sub> , Factored Seam Strength	$R_s = \Phi_{SS}SS$	28.810	(kip/ft.)	> T	27.585 OK (12.7.2.5)
1-T	idth to reduce the corner bearing pressure	Yes			
Default to AASHTO tr		No			
W <sub>T</sub> , Trench Width		12			
		12			
	L <sub>1</sub> =40+(12H-12)1.75	397	 (in.)		
	$L_2 = L_1 + 1.37S$	597.02	(in.)		
	$L_3 = L_2 + 72$	669.02	(in.)		
	$C_1 = 2 \times L_1/L_3$	1.1868			
P <sub>c</sub> , Corner	C	3.103	(ksf)	< SB	4.000 OK
Bearing	$P_C = (EV + C_1(P_L + DL/10)) \times R_T/[\Phi_{BP}(R_C)]$				(12.6.3.2, NCSPA 7-22)

# APPENDIX B SHOP DRAWINGS







SELECT

SELECT GRANULAR STRUCTURAL BACKFILL LIMITS

CRITICAL HAUNCH AREA BACKFILL ZONE, PRESSURE ON SOIL GREATEST HERE.

INITIAL LIFTS OVER THE CROWN OF STRUCTURE AS INDICATED BY SHADED AREA NO BE COMPACTED TO REQUIRED DENSITY WITH HAND OPERATED EQUIPMENT OR WITH LIGHTWEIGHT (D.4 OR LIGHTER) EQUIPMENT OF

## NOTES:

- 1. TRENCHWOTH ANDOR SELECT BACKELL WOTH SHALL BE DETERMINED BY THE ENGINEER DEFENDING ON SITE SPECIFIC CONDITIONS. THE ARCKELL MOUTH 18 4 FEET POR STRUCTINES SPANS 14 FEET AND LESS AND 6 FEET POR STRUCTINES SPANS 14 FEET.
- SHAPED BEDDING IS REQUIRED FOR A MINIMUM WIDTH OF SPAN/2. THE MINIMUM BEDDING THICKNESS SHALL BE 6 INCHES.
- ALL SELECT GRANULAR BACKFILL TO BE PLACED IN A BALANCED FASHION IN THIN LIFTS (8\*LOOSE TYPICALLY) AND COMPACTED TO 90 PERCENT DENSITY PER AASHTO 1-180.
- 4. COMPLETE AND REGULAR MONITORING OF THE MULTI-PLATE UNDERPASS STRUCTURE IS NECESSARY DURING THE BACKFILL PROCESS TO AT LEAST THE MINIMAL COVER LEVEL.
- PREVENT DISTORTION OF SHAPE AS NECESSARY BY VARYING COMPACTION METHODS AND EQUIPMENT.

Deepa Nair ATA DEEPA DEE

 PLACE SELECT GRANULAR BACKFILL IN RADIAL LIFTS AT APPROXIMATELY 85% OF THE RISE OF THE UNDERPASS STRUCTURE.

ATIE OF CALIFORNIA 5/23/22

5/23/22

MTH cat No.

C 86132 Civil Engineer

# ADDITIONAL SELECT GRANULAR STRUCTURAL BACKFILL NOTES:

SATISFACTORY BACKFILL MATERIAL, PROPER PLACEMENT, AND COMPACTION ARE KEY FACTORS IN OBTAINING MAXIMUM STRENGTH AND STABILITY.

THE BACKFILL MATERIAL SHOULD BE FREE OF ROCKS, FROZEN LUMPS, AND FORBERN MATERIAL THAT COULD GOADER HARD SERO'S OR DECENDED/SED FOR CENTER FOODE SACKFILL MATERIAL THAT TOULD BE WELL GANDED GRANULG MATERIAL THAT MEETS THE RECURREMENTS OF ASSHTOM MATERIAL THAT MEETS THE RECURREMENTS OF ASSHTOM MATERIAL THAT RECURREMENTS OF ASSHTOM SET OF STRUCTURAL MATERIAL MATERIAL SET OF STRUCTURAL DAGGET MATERIAL MATERIAL TO RECOMPLACE SHAMETHOUS SIDE OF THAT SHEET SACKFILL WITHOUT SIDE OF THAT SHEET SACKFILL WITHOUT SIDE OF THAT SHEET SACKFILL ROLD GOADER SIDE OF THE STRUCTURE WE WE STRUCTURE WE WE STRUCTURE WE

A HIGH PERCENTAGE OF SLI O PRINE SAND IN THE MATTICE SOLIS SLOGESTS THE NEED FOR A WELL GRADED GRANULAR BOTOFFELD BURKETHAN TO PREVENT SOLI MIGRATION IF THE PROPOSED BERNOSCHIS, IN SIT OF MACHE GRADED GRANULAR MATERAL, A NAW-WOORG GEOTEVILE FILTER FABRIC SHALL BE PAGED BETWEEN THE SELECT BACKFLL, AND THEIN SITU MATERAL.

DURNIG BACKFILL, ONLY LIGHTWEIGHT TRACKED VEHICLES (D4 OR LIGHTER) SHOULD BE NEAR THE STRUCTURE AS FILL PROGRESSES ADDOCRED FER CRAWN MAD 10 THE INSTRUCTURES DE GAGE THE INCREMER AND 10 CHE INCREMENTAL OSDITIVENT ARE CAUTIONED THAT THE IMMIMUM ONCREMAN VIED 10 GE INCREMASED TO HANDLE TEMPORARY CONSTRUCTION VEHICLE LOADS (HEAVIER THAN D4).

STRUCTURAL PLATE BACKFILL GROUP CLASSIFICATION, REFERENCE AASHTO M-145	CKFILL GROUP CLAS	SIFICATION, REF	FRENCE AASHT	O M-145	
GROUP CLASSIFICATION	A-1-a	A-1-b	A-2-4	A-2-5	A-3
Sieve Analysis Percent Passing	6				
No. 10 (2.000 mm)	50 max.				
No. 40 (0.425 mm)	30 max.	50 max.			51 max.*
No. 200 (0.075 mm)	15 max.	25 max.	35 max.	35 max.	10 max.
	Atterberg Limits	Atterberg Limits for Fraction Passing No. 40 (0.425 mm)	No. 40 (0.425 mm)		
Liquid Limits			40 max.	41 min.	
Plasticity Index	6 max.	6 max.	10 max.	10 max.	Non Plastic
Usual Materials	Stone F.	Stone Fragment,	Sifty or Clayey	Clayey	Coarse

# \*Modified from AASHTO M-145.

Fine beach sands, windblown sands, stream deposited sands, etc., exhibiting fine, rounded particles and typically classified by AASHTO M-145 as A-3 Materials should not be used.

Reference the most current version of ASTM D2487. Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System), for comparable soil groups.

# FOR APPROVAL

	ENGINEERED SOLUTIONS LLC	www.ContechES.com	inte Dr., Suite 400, West	800-338-1122 513-645-7000 513-645-7993 F
	scc	scc	SCC	2

3 5/20/2022 REV. BACKFILL DETAIL
2 5/9/2022 REVISED PER REVIEWER COMMENTS
1 5/3/2022 REVISED PER REVIEWER COMMENTS

MARK DATE

discrepancies between the suppled information upon which of newly is based and exact led conditions are encountered as its work progresses, there discrepancies must be reported Contact immediately for ne-evaluation of the design. Contech opton on blastly for one-angles based on missing, incomplete or counter information succled by others.

STRUCTURAL PLATE	CONTECH CONTRACT DRAWING

# MULTI-PLATE UNDERPASS 12'-2" SPAN X 11'-0" RISE BLACKS ROAD UNDERCROSSING SANTA MARIA, CA

010007	010	4/22/2022
DESIGNED:	DRAWN	N:
××		SCC
CHECKED:	APPR	APPROVED:
ZWM		××
SHEET NO.:		
3	OF OF	4

PROJECT No.: DATE:

DATE: 4/22/2022 PROVED: SCC 703615 DESIGNED: SKED: ZWM × 2) STRUT BRACING/STRUTTING TO BE TEMPORARY ONLY - TO BE REMOVED AFTER BACKFILLING OF STRUCTURE AND END TREATMENT CONSTRUCTION IS COMPLETED. 3) BACKFILL ADJACENT TO CUT ENDS OF PLATE STRUCTURE TO BE PLACED IN A CONTROLLED AND BALANCED MANNACION. THIN LIFTS - AND COMPACTED USING LIGHTWEIGHT, WALK BEHIND EQUIPMENT. 1) TIMBER BRACING/STRUTTING DEPICTED FOR CONCEPTUAL PURPOSES ONLY. REQUIRED SIZES AND GEOMETRY OF BRACING TO BE DETERMINED BY OTHERS. CONCEPTUAL BRACING SCHEMATIC 2x6 OR 2x8 HEADERS
FOR DISTRIBUTING LOADS BLACKS ROAD UNDERCROSSING SANTA MARIA, CA NOT TO SCALE **END VIEW** MULTI-PLATE UNDERPASS 12'-2" SPAN X 11'-0" RISE MP UNDERPASS 4x4 OR OTHER SUFFICIENT SIZED BRACES (TYP.) NOTES: STRUCTURAL PLATE FOR APPROVAL CONTECH CONTRACT DRAWING - 4x4 BRACES (TYP.) BEVELED MP UNDERPASS 2) STRUT BRACING/STRUTTING TO BE TEMPORARY ONLY - TO BE REMOVED AFTER BACKFILLING OF STRUCTURE AND END TREATMENT CONSTRUCTION IS COMPLETED. 3) BACKFIL ADJACENT TO CUT ENDS OF PLATE STRUCTURE TO BE PLACED IN A CONTROLLED AND BALLOKED MANNER - IN THIN LIFTS - AND COMPACTED USING LIGHTWEIGHT, WALK BEHIND EQUIPMENT. 1) TIMBER BRACING/STRUTTING DEPICTED FOR CONCEPTUAL PURPOSES ONLY. REQUIRED SIZES AND GEOMETRY OF BRACING TO BE DETERMINED BY OTHERS. 2x6 OR 2x8 HEADERS CONCEPTUAL BRACING SCHEMATIC PROFILE NOT TO SCALE SCC SCC NOT TO SCALE 2 5/9/2022 REVISED PER REVIEWER COMMENTS
1 5/3/2022 REVISED PER REVIEWER COMMENTS 3 5/20/2022 REV. BACKFILL DETAIL
2 5/9/2022 REVISED PER REVIEWER COMMENTS NOTES: 1 Jack WATE OF CALIFORNIES Deepa Mair discrepancies between the suppled information upon which of orthwise is based and beats field conforcing are encountered as law work progresses, these discrepancies must be reported. Contech immediately for nevertalistic of the discrepancies of the discrepancies open on the labely for developers beand or missing, incomplete or counter information suppled or journels information suppled by others. Civil Engineer 5/23/22 Rev. CBC-24985 HLW

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#### **TECHNICAL PROVISIONS**

#### STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. The applicable revised standard plans (RSPs) listed below are included in the project plans.

#### ABBREVIATIONS, LINES, SYMBOLS, AND LEGEND

A3A	Abbreviations (Sheet 1 of 3)
A3B	Abbreviations (Sheet 2 of 3)
A3C	Abbreviations (Sheet 3 of 3)
A10A	Legend - Lines and Symbols
Δ10B	Legend - Lines and Symbols

A10A Legend - Lines and Symbols (Sheet 1 of 5)

A10B Legend - Lines and Symbols (Sheet 2 of 5)

A10C Legend - Lines and Symbols (Sheet 3 of 5)

A10D Legend - Lines and Symbols (Sheet 4 of 5)

A10E Legend - Lines and Symbols (Sheet 5 of 5)

A62A Excavation and Backfill - Miscellaneous Details

#### **ORGANIZATION**

Special provisions are under headings that correspond with the main-section headings of the *Standard Specifications*. A main-section heading is a heading shown in the table of contents of the *Standard Specifications*.

Each special provision begins with a revision clause that describes or introduces a revision to the *Standard Specifications* as revised by any revised standard specification.

Any paragraph added or deleted by a revision clause does not change the paragraph numbering of the *Standard Specifications* for any other reference to a paragraph of the *Standard Specifications*.

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# DIVISION I GENERAL PROVISIONS 1 GENERAL

Add to section 1-1.01:

**Bid Items and Applicable Sections** 

Item	Item description	Applicable
code		section
674352A	12'-2" X 11'-0" ERECT STRUCTURAL STEEL PLATE PIPE ARCH	67
	(.109" THICK)	

^^^^^

#### 2 BIDDING

#### Add between the 1st and 2nd paragraphs of section 2-1.06B:

The Department makes the following supplemental project information available:

**Supplemental Project Information** 

Means	Description		
Included in the Information Handout	Santa Barbara County, Department of Public Works, Transportation Division, Engineering Design Standards (September 2011)		
Available as specified in the <i>Standard</i> Specifications	Copy of the Caltrans Revised Standard Specifications (04/15/2022)		
Included with the project plans	County of Santa Barbara, Department of Public Works, Quality Assurance Program (August 2019)		

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#### 5 CONTROL OF WORK

#### Replace section 5-1.24A of the RSS with:

Replace section 5-1.24 of the RSS with:

#### 5-1.24 CONSTRUCTIONS SURVEYS

#### 5-1.24A General

#### 5-1.24A(1) Summary

Section 5-1.24 includes general specifications for construction surveys, furnishing, and setting construction stakes and marks to establish the lines and grades required to control the work.

Construction surveys must comply with Chapter 12, 'Construction Surveys', of the California Department of Transportation Surveys Manual as determined by the Engineer.

#### 5-1.24A(2) Submittals

Submit name, license number, and contact information of the professional land surveyor prior to beginning staking.

Submit name, license number, and contact information of the professional land surveyor or civil engineer prior to beginning staking.

Submit proposed procedures, methods, and equipment to be used.

Submit all computations, notes, and other data used to accomplish the work.

#### 5-1.24B Material

Not used

#### 5-1.24C Construction

The construction staking for this project is referenced to the California Coordinate System. Perform construction staking under the direction of a professional land surveyor registered in the State of California.

The construction staking for this project is not required to be referenced to the California Coordinate System. Perform construction staking under the direction of a professional land surveyor or civil engineer registered in the State of California.

Within 2 working days of receiving notification to proceed with right-of-way staking, stake County right-of-way and property lines adjacent to project limits. Maintain property corner stakes throughout construction.

Furnish and set stakes and marks with accuracy adequate to assure completed work conforms to lines, grades, and sections shown.

Remove all stakes when no longer needed.

#### 5-1.24D Payment

Not used

#### Replace Reserved in section 5-1.36C(2) with:

The utilities shown in the following table may interfere with the work and must be exposed or protected in place. During the progress of the work under this Contract, the Contractor must protect in place a portion of a water line for the utility shown in the following table . Notify the Engineer when the site is ready for utility work. Contractor must provide written notification to Golden State Water ten working days before the first working day in which the Contractor will excavate and expose water line. A Golder State Water representative must be on-site to conduct the inspection and supervision of the installed method of protection. Protection work must comply with section 79.

Utilities to Be Exposed and/or Protected in Place During Construction

Utility	Location	
Golden State Water	Culvert Trench, as shown.	
Jimmy Fields		
Capital Program Engineer		
2330 A Street, Suite A		
Santa Maria, CA 93455		
Phone: 805-345-4635		

^^^^^

#### **6 CONTROL OF MATERIALS**

Add to the beginning of section 6-1.02:

The Department furnishes you with:

- Multi-plated arch culvert
- 60" Reinforced Concrete Pipe

^^^^^

#### 7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

#### Add to section 7-1.02M(2) of the County Provisions

Furnish the following fire tools:

- 1. 1 shovel and 1 fully charged fire extinguisher UL rated at 4B:C or more on each truck, personnel vehicle, tractor, grader, or other heavy equipment.
- 2. 1 shovel and one 5-gallon water-filled backpack fire pump for each welder.
- 3. 1 shovel or 1 chemical pressurized fire extinguisher, fully charged, for each gasoline-powered tool, including chain saws, soil augers, and rock drills. The fire tools must always be within 25 feet from the point of operation of the power tool. Each fire extinguisher must be of the type and size required by the Pub Res Code § 4431 and 14 CA Code of Regs § 1234.

Each shovel must be size O or larger and at least 46 inches long.

Furnish a pickup truck and driver that will be available for fire control during working hours.

The pickup truck and operator must patrol the area of construction for at least 1/2 hour after job site activities have ended.

Furnish a pickup truck and driver for the sole purpose of fire control during working hours. The truck must be equipped with:

- 1. 10 shovels, 5 axes, two 5-gallon water-filled backpack fire pumps
- 2. 100-gallon tank of water with a gasoline motor powered pump and 100 feet of 3/4-inch hose on a reel

In addition to being available at the site of the work, the truck and operator must patrol the area of construction from noon until at least 1/2 hour after job site activities have ended. If the fire danger rating is "very high" or "extreme" or "fire weather watches" or "red flag warning" is issued, the truck and operator must patrol the area of construction while work is being done and for at least 1/2 hour after job site activities have ended.

## DIVISION II GENERAL CONSTRUCTION 12 TEMPORARY TRAFFIC CONTROL

#### Replace /section 12-3.11B(5) with the following

This site is not open to public vehicular traffic. Pedestrian trail use is allowed. Install barrier fencing and signage at each end of project indicating Trail Access is closed during construction.

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#### 14 ENVIRONMENTAL STEWARDSHIP

#### Add to the end of section 14-1.02:

An ESA exists on this project.

Before starting job site activities, install temporary silt fencing to protect the ESA and mark its boundaries.

#### Add to the 1st paragraph of section 14-6.03A:

This project is within or near habitat for the regulated species shown in the following table:

**Regulated Species** 

Monarch Butterfly
California Red Legged Frog
Western Spadefoot Toad
Western Pond Turtle
California legless lizard
Coast Horned Lizard
American Badger

This project includes the sensitive habitats shown in the following table:

Sensitive Habitats
Monarch Butterfly

#### Replace item 1 in the 2nd paragraph of section 14-6.03A with:

1. Stop all work within a 100-foot radius of the discovery except as shown in the following table:

Regulated species	Protective radius (feet)
Monarch Butterfly	500

#### Add to section 14-6.03A:

At the end of each working day, construct temporary escape ramps at each end of trench to allow animals that may have become entrapped in the trench to climb out overnight. Construct ramps of either native fill or wood planks at an angle no great than 30 degrees.

Monitor regulated species according to the schedule shown in the following table:

Monitoring type	Schedule
Preconstruction survey: Monarch Butterflies	One week before
	construction start
Monitor for regulated species as described	Minimum 14 days before
in the Streambed Alteration Agreement-	ground disturbance
EPIMS SBA-18630-R5	-

#### Replace the 2nd paragraph of section 14-6.03B with:

The Department anticipates nesting or attempted nesting by migratory and nongame birds from February 1 to September 1.

#### Add to section 14-6.03B:

A biological survey for nesting birds is required 14 before work begins.

#### Replace item 1 in the list in the 6th paragraph of section 14-6.03B with:

1. Stop all work within a 100-foot radius of the discovery except as shown in the following table:

Species	Protective radius (feet)
Raptor	500

#### Add to section 14-6.03D(1):

A Contractor-supplied biologist who performs specialized activities must have demonstrated field experience working with the regulated species or performing the specialized task. The biologist must have experience that complies with the requirements shown in the following table:

Specialized activity/species	Requirements
Finding nests and monitoring	Avion Biologist

The Contractor-supplied biologist must conduct tail-gate training to all contractor personnel associated with the project construction in recognizing biological resources and conditions, and any special-status resources that may occur in the project work area.

All contractor personnel associated with the project construction must receive training before the first working day of construction.

Within 30 days before starting job site activities, submit protocols for species protection surveys. Use protocols required in the PLACs.

Survey the job site for regulated species and submit a preconstruction survey report within 14 days before starting work.

The preconstruction survey report must include one of the following:

- 1. Detailed observations and locations where regulated species were observed
- 2. Statement that no regulated species were observed

Submit an initial monitoring report as an informational submittal within 12 hours after starting ground-disturbing activities.

Submit a biological resource incident report within 24 hours of the incident.

The incident report must include:

- 1. Description of any take of regulated species or any violation of a biological resource PLAC
- 2. Species name and number taken
- 3. Details of required notifications with contact information
- 4. Corrective actions proposed or taken
- 5. Disposition of taken species

Submit a final monitoring report no later than 20 days after completion of the project. If the report requires revisions, the Department provides comments. Submit a revised report within 7 days of receiving comments. The final monitoring report must be a cumulative report including:

- 1. Start and end dates of construction
- 2. Project impacts on the regulated species
- 3. Species protection measures and implementation details
- 4. Incidental take details, including species name, number taken, people contacted, contact information, and disposition of taken species
- 5. Assessment of the effectiveness of the species protection measures in mitigating project impacts
- 6. Recommendations for improving species protection measures

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#### DIVISION III EARTHWORK AND LANDSCAPE

#### 19 EARTHWORK

#### Replace the 2nd, 3rd, and 4th paragraphs of section 19-2.03B with:

Dispose of surplus material. Ensure enough material is available to complete the embankments before disposing of it. Stockpile surplus material on site at location directed by the engineer.

#### Replace the 1st paragraph of section 19-5.03B with:

Obtain a relative compaction of at least 95 percent for at least a depth of 0.75 foot below the grading plane for widths between toe of slope and toe of slope.

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#### 21 EROSION CONTROL

#### Add to section 21-2.02F:

Seed mix for hydroseed must be:

		BULK	
SPECIES	<b>COMMON NAME</b>	LB/ACRE	MIN%PLS*
Acmispon americanus	Purshing lotus	2.00	74
Acmispon glaber	Deerweed	6.00	81
Camissoniopsis cheiranthifolia	Beach evening primrose	1.00	86
Collinsia heterophylla	Chinese houses	2.00	83
Encelia californica	Bush sunflower	4.00	21
Eriogonum fasciculatum	California buckwheat	8.00	10
Eschscholzia californica	California poppy	4.00	83
Jsocoma menziesii	Coast goldenbush	3.00	10
Lasthenia californica	Dwarf goldfields	1.00	68
Lupinus succulentus	Arroyo lupine	6.00	83
Mimulus aurantiacus puniceus	Mission red monkeyflower	2.00	3
Salvia apiana	White sage	2.00	35
Salvia mellifera	Black sage	2.00	60

Sisyrinchium bellum	Blue-eyed grass	2.00	78
Stipa pulchra	Purple needle grass	4.00	73
		49.00	

#### Add to section 21-2.03D:

Apply hydroseed at the following rates:

- 1. Seed at the rate shown under section 21-2.02F
- 2. Fiber at 500 lb/ac
- 3. Tackifier at 125 lb/ac

## DIVISION VII DRAINAGE FACILITIES 61 GENERAL

#### **67 STRUCTURAL PLATE CULVERTS**

#### Replace Reserved in section 67-2.01D with:

Exercise care to maintain balanced loading on the structure during any backfilling or construction operations. The dimension of the structure should be within 2% of the design dimensions at all locations during and at the completion of installation, and this should be verified by field measuring during construction. The foundation soil and embankment material below and beside the proposed structure must be a uniform non-yielding material meeting the project requirements (by others) with a minimum allowable bearing capacity of at least 4000 psf. This must be verified in the field by a geotechnical engineer before the installation of the structure.

#### Add to section 67-2.02A:

Granular select backfill around the structure must comply with AASHTO M-145 and be placed in accordance with the project specifications, the manufacturer's requirements, and accepted industry standards. The backfill differential level between sides of the structure should not exceed 16 inches. Shoring must be provided to prevent any distortion of the structure during installation and backfilling, and for following all applicable safety requirements.

#### Replace 1st and 2nd paragraphs in section 67-2.01D with:

The lump sum payment for structural metal plate pipe includes offloading of culvert plates upon delivery; placing and assembling culvert; and preparing the subgrade placing bedding material.

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#### 79 NON-HIGHWAY FACILITY CONSTRUCTION

## 79-1 PROTECT UNDERGROUND FACILITIES 79-1.01 GENERAL

Section 79-1 includes specifications for protecting underground facilities.

**79-1.02 MATERIALS** 

Not Used

#### 79-2103 CONSTRUCTION

Existing 12" DIP Water Line-Supporting Exposed Water Line. Waterline exposed during culvert excavation must be supported and protected. Submit support and protection plan stamped by licensed engineer.

Native Soil Trench Backfill. Native soil compacted to 95% relative compaction is required above the select granular structural backfill limits to the top of the existing road structural section.

#### **EXHIBIT B**

#### PROGRESS PAYMENT ARRANGEMENTS

#### Compensation Upon Completion of Identified Project Deliverables

- A. Owner shall be reimbursed for the Work, including all cost expenditures, up to but not to exceed (\$430,298) ("Contract Maximum"), plus Owner's actual costs associated with any County-approved change order(s) that Owner completes.
- B. Progress payments for the Work shall be made periodically, but no more frequently than monthly, upon Owner's satisfactory completion of each project deliverable set forth in the EXHIBIT B-1 Scope and Payment Schedule, attached hereto and incorporated herein by reference, based upon the scope and methodology contained in EXHIBIT A as determined by the County.
- C. Upon completion of a project deliverable set forth in EXHIBIT B-1, and/or delivery to County of item(s) specified therein, Owner shall submit to the County Transportation Permits Section an invoice or certified claim on the County Treasury for payment of the cost associated with completion of the project deliverable. The invoice or claim must cite the assigned Board Contract Number. The County Transportation Permits Section shall evaluate the quality of the Work completed in compliance with the project deliverable and if found to be satisfactory shall initiate payment processing for that deliverable. County shall pay invoices or claims for satisfactory work within 30 days of receipt of correct and complete invoices or claims from Owner.
- D. County's failure to discover or object to any unsatisfactory work or billings prior to payment will not constitute a waiver of County's right to require Owner to correct such work or billings or seek any other legal remedy.

EXHIBIT B-1
SCOPE AND PAYMENT SCHEDULE

Item			
No.	Description	Amount	Entity
1	Plans, Specs, Estimates	N/A	County of SB
2	60" RCP (x2)- 16' Sections (County Supplied Material)	N/A	County of SB
	Structural Steel Plate 140 Ft Underpass (County Supplied		
3	Material)	N/A	County of SB
4	Environmental/ Biological Services	\$35,500	ССВ
5	Water Pollution Control Program -Reporting	\$4,500	ССВ
6	Traffic Control System	\$2,500	ССВ
7	Jobsite Management	\$5,000	ССВ
8	Engineered Design for Shoring System	\$3,000	ССВ
9	Engineered Design for Protecting 12" Waterline in Place	\$3,000	ССВ
	Silt fence, Junte Mesh, and Hydroseed and Water pollution		
10	Control Plan Implementation	\$18,500	ССВ
11	Soils Engineer - Includes material testing	\$15,000	ССВ
12	Surveying	\$8,880	ССВ
13	Clearing and Grubbing	\$9,000	ССВ
14	Roadway Excavation	\$58,700	ССВ
15	Structural Backfill of Undercrossing - Material	\$49,000	ССВ
16	Structural Backfill of Undercrossing - Install	\$20,000	ССВ
17	Temporary Shoring - Installation	\$45,000	ССВ
18	Temporary Waterline Support - Installation	\$6,000	ССВ
19	Install of (x2)-16' RCP Sections	\$16,000	ССВ
	Install/Assemble Multiplate Undercrossing - Includes cutting		
20	culvert ends and installation bracing at 25' spacing	\$37,000	ССВ
21	Offloading RCP material upon delivery	\$1,250	ССВ
22	Offloading multi-plate undercrossing material upon delivery	\$2,900	ССВ
23	Concrete Collar (x2) - Material	\$7,000	ССВ
24	Concrete Collar(x2) - Install	\$2,000	ССВ
25	Decomposed Granite - Material (120 Tons)	\$7,000	ССВ
26	Decomposed Granite - Install	\$5,000	ССВ

Total: \$361,730
Total (less C of SB Costs) \$361,730

10% OH: \$36,173

Subtotal \$397,903

Contingency (based off public contract code calculation) \$32,395

Grand Total CCB Cost \$430,298

# EXHIBIT C Indemnification and Insurance Requirements (For Design/Build Construction Contracts)

#### INDEMNIFICATION

- A. Indemnification pertaining to other than Design Professional Services: Owner agrees to indemnify, defend (with counsel reasonably approved by County) and hold harmless County and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by County on account of any claim, except where such indemnification is caused by the active negligence, sole negligence, or willful misconduct of the County.
- B. Indemnification pertaining to Design Professional Services: Owner agrees to fully indemnify and hold harmless County and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, suits damages, costs, expenses, judgments and/or liabilities that arise out of, or pertain to, or relate to the negligence, recklessness, or willful misconduct of the Owner and its employees, subcontractors, or agents in the performance of services under this Agreement, but this indemnity does not apply to liability for damages arising from the sole negligence, active negligence, or willful acts of the County. The indemnity includes the cost to defend County to the extent of the Owner's proportionate percentage of fault. Should one (or more) defendants be unable to pay its share of the defense costs due to bankruptcy or dissolution of the business, Owner shall meet and confer with other parties regarding unpaid defense costs and Owner shall pay County's cost of defense to the fullest extent permitted by law.

#### NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

Owner shall notify County immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement for the legally prescribed statute of limitations period.

#### **INSURANCE**

Owner shall procure and maintain prior to, and for the duration of construction, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work hereunder and the results of that work by the Owner, his agents, representatives, employees, contractors or subcontractors as required by this EXHIBIT C.

#### A. Minimum Scope and Limit of Insurance

Coverage shall be at least as broad as:

- 1. Commercial General Liability (CGL): Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$5,000,000 per occurrence and \$5,000,000 in the aggregate.
- **2. Automobile Liability**: ISO Form Number CA 00 01 covering any auto (Code 1), with limit no less than \$2,000,000 per accident for bodily injury and property damage.
- **3. Workers' Compensation**: as required by the State of California, with Statutory Limits, and Employers' Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
- **4. Professional Liability:** Insurance appropriate to the Owner's profession, with limit of no less than \$2,000,000 per occurrence or claim, \$3,000,000 aggregate.

5. Contractors' Pollution Legal Liability and/or Asbestos Legal Liability: (if project involves environmental hazards) with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.

If Owner maintains higher limits than the minimums shown above, the County requires and shall be entitled to coverage for the higher limits. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the County.

#### B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

- 1. Additional Insured County, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Owner including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Owner's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
- **2. Primary Coverage** For any claims related to this Agreement, the Owner's insurance coverage shall be primary insurance as respects the County, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the County, its officers, officials, employees, agents or volunteers shall be excess of Owner's insurance and shall not contribute with it.
- 3. Notice of Cancellation Each insurance policy required above shall provide that coverage shall not be cancelled, except with notice to the County.
- 4. Waiver of Subrogation Rights Owner shall waive rights of subrogation which any insurer of Owner may acquire from Owner by virtue of the payment of any loss. Owner agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the County for all work performed by the Owner, its employees, agents, contractors, and subcontractors. This provision applies regardless of whether or not the County has received a waiver of subrogation endorsement from the insurer.
- 5. Deductibles and Self-Insured Retention Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the Owner shall cause the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees, agents and volunteers; or the Owner or Owner shall provide a financial guarantee satisfactory to the County guaranteeing payment of losses and related investigations, claim administration, and defense expenses.
- **6.** Acceptability of Insurers Unless otherwise approved by Risk Management insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A-VII".
- 7. Verification of Coverage Owner shall furnish the County with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the County before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Owner's obligation to provide them. The Owner shall furnish evidence of renewal of Owner's coverage throughout the term of the Agreement. The County reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

- 8. Procure Coverage In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, County has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by County as a material breach of contract.
- 9. Contractors and Subcontractors Owner shall require and verify that the contractors and subcontractors hired to perform the Work shall maintain insurance meeting all the requirements stated herein, and Owner shall ensure that County is an additional insured on insurance required under this Agreement. For CGL coverage subcontractors shall provide coverage with a format least as broad as CG 20 38 04 13.
- **10.** Claims Made Policies If any of the required policies provide coverage on a claimsmade basis:
- i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
- ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
- iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Owner must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.
- **11. Special Risks or Circumstances** County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. Owner agrees to require his contractor to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of County.