



ORIGINAL

Contract Number

23-204

SAP Number

San Bernardino County Flood Control District

Department Contract Representative	Terry W. Thompson, Director, Real Estate Services Department
Telephone Number	(909) 387-5000
Contractor	City of Colton
Contractor Representative	Andrew Saghian
Telephone Number	(951) 826-8298
Contract Term	N/A
Original Contract Amount	\$64,100 plus a not to exceed amount of \$28,785 for reimbursement of administrative costs
Amendment Amount	N/A
Total Contract Amount	\$64,100 plus a not to exceed amount of \$28,785 for reimbursement of administrative costs
Cost Center	1920002522
GRC/PROJ/JOB No.	3800 4104; F02790
Internal Order No.	

Briefly describe the general nature of the contract: Right of Way Agreement for the conveyance of one permanent easement, containing approximately 9,854 square feet, and one temporary construction easement with a term of two years, containing approximately 3,976 square feet, over District-owned property, a portion of Assessor's Parcel Numbers 0163-361-18 and 0163-361-13, respectively, located on the west side of La Cadena Drive at the Santa Ana River in Colton, to the City for street, highway, road and/or bridge and temporary construction purposes. The easements will advance the La Cadena Drive over Santa Ana River Bridge Replacement Project (Project) which will facilitate improvement of the City's infrastructure.

FOR COUNTY USE ONLY

Approved as to Legal Form

Scott Runyan
Principal Assistant County Counsel

Date 3/24/23

Non-Standard Contract Coversheet

Reviewed for Contract Compliance

▶

Date

Reviewed/Approved by Department

Brandon J. Ocasio, Real Property Manager,
RESO

Date 3/24/23

Revised 3/14/19

CITY OF COLTON
RIGHT OF WAY CONTRACT

LA CADENA BRIDGE REPLACEMENT PROJECT

1403 S. La Cadena Drive, & W. Side of S. La Cadena Dr. and
the Santa Ana River, Colton, CA 92324

Property Address

0163-361-13

0163-361-18

APN.

92013005 & 92013006

Federal Project No.

Title Order No.

RIGHT-OF-WAY CONTRACT

San Bernardino County Flood Control District, a body corporate and politic (hereinafter, "Grantor"), owns the real property located at 1403 S. La Cadena Drive and at the W. Side of S. La Cadena Dr. and the Santa Ana River, Colton, California 92324 in San Bernardino County, identified as Assessor's Parcel Numbers 0163-361-13 and 0163-361-18 (the "Property"). A portion of the Property is needed to construct the La Cadena Bridge Replacement Project, a City of Colton (the "City") project designed to replace the existing La Cadena bridge over the Santa Ana River to accommodate four travel lanes, a raised median, a bike lane, and a sidewalk in each direction. The project will also replace the existing access to the Santa Ana River Trail (SART) parking lot and a portion of the existing bike trail connection between the SART and southbound side of La Cadena Drive (the "Project"). The documents in the form of a Temporary Construction Easement, a copy of which is attached hereto as **Exhibit "1"** and incorporated herein by reference, and an Easement Deed (Public Road), a copy of which is attached hereto as **Exhibit "2"** and incorporated herein by reference, cover the property interests as described and depicted in **Exhibit "1" and "2"** (the "Property Interest").

In consideration of which, and the other considerations hereinafter set forth, it is mutually agreed as follows:

1. (A) The parties have herein set forth the whole of their agreement ("Agreement"). The performance of this Agreement constitutes the entire consideration for the Property Interest.
- (B) The City requires said Property Interest described in the Temporary Construction Easement and Easement Deed (Public Road) for the Project, a public use for which the City has the authority to exercise the power of eminent domain. Grantor is compelled to sell, and the City is compelled to acquire the Property Interest.
- (C) Both Grantor and the City recognize the expense, time, effort and risk to both parties in determining the compensation for the Property Interest by eminent domain litigation. The compensation set forth herein for the Property Interest is in compromise and settlement, in lieu of such litigation.
- (D) It is agreed that the City shall open an escrow in accordance with this Agreement at an escrow company of the City's choice ("Escrow Agent"). This Agreement constitutes the joint escrow instructions of the City and the Grantor, and Escrow Agent to whom these instructions are delivered is hereby empowered to act under this Agreement. The parties hereto agree to perform all acts reasonably necessary to close this escrow within sixty (60) days following the opening of escrow.

CITY OF COLTON
RIGHT OF WAY CONTRACT

2. (A) The City shall pay the undersigned Grantor the sum of **Sixty-Four Thousand One Hundred Dollars and Zero Cents (\$64,100.00)** for the Property Interest conveyed by the Temporary Construction Easement and the Easement Deed (Public Road) plus a not to exceed amount of \$28,785 for reimbursement of Grantor's administrative costs associated with this transaction.

(B) The City will pay all usual escrow and recording fees incurred in this transaction, and if title insurance is desired by the City, the premium charged therefor. Due to the City's status as a public agency, no recording fees will be payable (pursuant to Government Code section 27383) and no documentary transfer tax will be payable (pursuant to Revenue & Taxation Code section 11922). This transaction may be handled through an external escrow with Commonwealth Land Title Company or another selected escrow company to be determined.

(C) The City shall have the authority to deduct and pay from the amount shown in Clause 2(A) above, any amount necessary to satisfy any bond demands and delinquent taxes due in any year except the year in which this escrow closes, together with penalties and interest thereon, and/or delinquent and unpaid non-delinquent assessments which have become a lien at the close of escrow.

(D) There shall be no proration of real property taxes through escrow. Escrow Agent is authorized and instructed to comply with the following tax adjustment procedures.

- (i) Pay and charge Grantor for any unpaid delinquent taxes and/or penalties and interest thereon, and for any delinquent or non-delinquent assessments or bonds against the Property.
- (ii) If escrow closes between July 1 and November 1, and the current tax information is not available, Escrow Agent is instructed to withhold from Grantor's proceeds an amount equal to one hundred twenty percent (120%) of the amount payable on the prior fiscal year's second half tax bill. At such time as current tax information is available, Escrow Agent shall pay the first installment of real property taxes and assessments to the County Tax Collector and in the event the amount withheld is not sufficient, Grantor agrees to immediately pay the difference to Escrow Agent.
- (iii) If close of escrow occurs at a time when current tax information is available, Escrow Agent shall withhold from Grantor's proceeds and pay to the County Tax Collector the full amount of the current installment of real property taxes and assessments.

3. **FULL AND COMPLETE SETTLEMENT.** Grantor hereby acknowledges that it is the sole and lawful owner of the Property and the compensation paid to Grantor through this Agreement constitutes the full and complete settlement of any and all claims against the City (hereafter, individually and collectively, "Releasee") by reason of the acquisition of the Property Interest, including, but not limited to, any and all rights or claims that Grantor had, currently has or may in the future have under Article 1, Section 19 of the California Constitution, the Eminent Domain Law, or any other law or regulation, except as provided herein. Grantor, on behalf of itself and its successors and assigns, further knowingly and voluntarily waives and expressly releases and discharges Releasee and any and all of Releasee's employees, agents, officers, servants, representatives, contractors, attorneys, partner agencies and assigns, from liability in regard to any claims for the following associated with City's acquisition of the Property Interest under

CITY OF COLTON
RIGHT OF WAY CONTRACT

this Right of Way Contract: pre-condemnation damages, any right to challenge the adoption of a resolution of necessity, any right to receive any notices pursuant to Code of Civil Procedure Section 1245.235, any right to enforce any obligation pursuant to the Eminent Domain Law, and claims for litigation expenses, attorney's fees, statutory interest and/or costs (collectively, "Released Claims"). Grantor further consents to the dismissal of any Eminent Domain proceeding that is filed pertaining to the Property Interest and further waives all attorney's fees, costs, claims to money on deposit, disbursements and expenses in connection with the dismissal of said proceeding.

4. The parties intend that this Agreement will result in a full, complete and final resolution and settlement of the Released Claims, causes of action or disputes which exist, or may exist, between them as expressly provided herein. It is therefore understood that the waiver, under this Agreement, of any rights, damages, compensation or benefits to which Grantor is, or may be, entitled is intended to be full and complete. Accordingly, except as provided herein:

(A) Pursuant to the releases set forth in this Agreement, Grantor specifically waives the provision of section 1542 of the Civil Code of the State of California which provides:

"A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS THAT THE CREDITOR OR RELEASING PARTY DOES NOT KNOW OR SUSPECT TO EXIST IN HIS OR HER FAVOR AT THE TIME OF EXECUTING THE RELEASE AND THAT, IF KNOWN BY HIM OR HER, WOULD HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR OR RELEASED PARTY."

(B) Grantor represents and warrants that it understands the effect of this waiver of section 1542 and has had the opportunity to discuss the effect of this waiver with counsel of its choice.

5. Any monies payable under this Agreement up to and including the total amount of unpaid principal and interest on note(s) secured by mortgage(s) or deed(s) of trust, if any, and all other amounts due and payable in accordance with the terms and conditions of said deed(s) of trust or mortgage(s), shall upon demand(s) be made payable to the mortgagee(s) or beneficiary(ies) entitled thereunder; said mortgagee(s) or beneficiary(ies) are to furnish Grantor with good and sufficient receipt showing said monies credited against the indebtedness secured by said mortgage(s) or deed(s) of trust.
6. Grantor represents and warrants that it is the fee simple owner of the Property and that it has the right to convey the Property Interest. Grantor will defend and indemnify the City, its successors and/or assigns against any and all claims, demands, causes of action filed against the City, its successors and/or assigns by someone challenging City's legal interest in or right to the Property Interest, or any portion thereof. Grantor represents and warrants that it has made no assignment of the Property Interest, as herein defined.
7. Reserved.
8. It is understood and agreed by and between the parties hereto that included in the amount payable under Clause 2(A) above is payment in full to compensate the Grantor for the purchase of the following improvements: 2 medium trees. All purchased improvements listed above will not be replaced by the City. Grantor agrees that it is not entitled to compensation for any other

CITY OF COLTON
RIGHT OF WAY CONTRACT

improvements located within the areas of the Property Interest being purchased pursuant to this Agreement.

9. It is understood and agreed by and between the parties hereto that City will demolish and construct all improvements to Grantor and County facilities in accordance with the Plans dated March 8, 2017 consisting of 73 Sheets, attached hereto as **Exhibit "3"** and incorporated herein by this reference.
10. The City shall not take actual/physical possession of the Property Interest until thirty (30) days advance notice by the City or the City's contractor is given to Grantor of the City's taking actual/physical possession of the Property Interest. Prior to the City's actual/physical possession of the Property Interest, the City shall not be deemed to have control of the areas within the Property Interest nor duty to maintain the areas within the Property Interest in a safe condition prior to the time the City or the City's contractor take actual/physical possession of the areas within the Property Interest.
11. Reserved.
12. Grantor and City acknowledge they have received and reviewed the Preliminary Title Report, dated July 15, 2020, and agree none of the title exceptions in the Preliminary Title Report will be removed. Any assessments that are the responsibility of Grantor as the underlying fee owner shall remain the obligation of the Grantor. City is not assuming responsibility for any Schedule B exceptions in the Preliminary Title Report by virtue of acquiring the Property Interests. Payment for the Property Interest acquired under this transaction is made upon the basis that the Grantor retains its obligation to the levying body respecting said assessments.
13. The Temporary Construction Easement (**Exhibit "1"**) shall be for a period of twenty-four (24) months ("TCE Term"). The TCE Term shall commence as provided in the Temporary Construction Easement. Grantor shall be provided at least thirty (30) days written notice prior to commencement of work within the Temporary Construction Easement area.
14. It is agreed and confirmed by the parties hereto that notwithstanding other provisions in this contract, the right of possession and use of the property described in the Easement Deed (**Exhibit "2"**) by the City, including the right to remove and dispose of improvements if allowed by the easements, shall commence on the date the amount of funds as specified in Clause 2(A) herein are deposited into the escrow controlling this transaction. The amount shown in Clause 2A herein includes, but is not limited to, full payment for such possession and use.
15. Any notice either party may or is required to give the other shall be in writing and shall be either personally delivered or sent by registered or certified mail, return receipt requested. If by mail, service shall be deemed to have been received by such party at the time the notice is delivered to the following addresses:

To Grantor:

San Bernardino County Flood Control District
825 E. 3rd Street
San Bernardino, CA 92415
Attn.: David Drake

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RIGHT OF WAY CONTRACT

To City:

City of Colton
650 North La Cadena Drive
Colton, CA 92324
Attn: Victor Ortiz

16. It is understood and agreed by and between the parties hereto that this Agreement inures to the benefit of, and is binding on, the parties, their respective heirs, personal representatives, subsequent purchasers, successors, and/or assignees. The City may freely assign any or all of its interest or rights under this Agreement.
17. It is understood and agreed that the fully executed Temporary Construction Easement and Easement Deed (Public Road) may be recorded in the Recorder's Office for San Bernardino County.
18. The City shall, pursuant to Section 21.7(a) of Title 49, Code of Federal Regulations, comply with all elements of Title VI of the Civil Rights Act of 1964. This requirement under Title VI and the Code of Federal Regulations is to complete the USDOT- Non-Discrimination Assurance requiring compliance with Title VI of the Civil Rights Act of 1964, 49 C.F.R. Parts 21 and 28 C.F.R. Section 50.3.
19. Further, no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity that is the subject of this contract.
20. This Agreement constitutes the entire agreement between the parties hereto with respect to the subject matter of this Agreement and may not be modified except by an instrument in writing signed by the party to be bound thereby.
21. If any term or provision of this Agreement shall be held to be invalid or unenforceable, the remainder of the Agreement shall remain in full force and effect.
22. Each individual executing this Agreement on behalf of an entity represents and warrants that he or she has been authorized to do so by the entity on whose behalf he or she executes this Agreement and that said entity will thereby be obligated to perform the terms of this Agreement.
23. This Agreement may be executed in counterparts, including by facsimile and/or electronic mail, each of which so executed shall, irrespective of the date of its execution and delivery, be deemed an original, and all such counterparts together shall constitute one and the same instrument.
24. This Agreement may be subject to approval by the City Council.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK
SIGNATURE PAGE FOLLOWS

CITY OF COLTON
RIGHT OF WAY CONTRACT

In Witness Whereof, the parties have executed this Right of Way Contract on the day and year set forth below.

GRANTOR

San Bernardino County Flood Control District, a body corporate and politic

By:  MAR 28 2023

Its: Dawn M. Rowe **Chair, Board of Supervisors** DATE

By: _____ DATE

Its: _____

CITY OF COLTON

By:  May 4, 2023

William R. Smith
City Manager DATE

APPROVED AS TO FORM:

By: _____ May 10, 2023

Mark Easter
Best, Best & Krieger, LLP
City of Colton DATE

SIGNED AND CERTIFIED THAT A COPY OF
THIS DOCUMENT HAS BEEN DELIVERED
TO THE CHAIRMAN OF THE BOARD
LYNNA MONEA
Clerk of the Board of Supervisors
of the County of San Bernardino

By: 



CITY OF COLTON
RIGHT OF WAY CONTRACT

EXHIBIT "1"
TEMPORARY CONSTRUCTION EASEMENT

Recording Requested By:

CITY OF COLTON

**When Recorded Mail Document
and Tax Statement To:**CITY OF COLTON
190 S. 10TH STREET
COLTON, CA 92324

ATTN: ENGINEERING DIVISION

Record without fee subject to Gov't Code
6103 and 27383Project: Santa Ana River
System No.: 2-701
Parcel No.: RE-114
Dept. Code: 11600**TEMPORARY
CONSTRUCTION EASEMENT**D.P.: 2-701
APN: 0163-361-13 (ptn)
Date: March 22, 2023

The undersigned grantor(s) declare(s):

DOCUMENTARY TRANSFER TAX \$

- ☐ computed on full value of property conveyed, or
☐ computed on full value less liens and encumbrances remaining at the time of sale
☐ Unincorporated Area ☒ City: Colton

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, the **SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT**, a body corporate and politic, hereinafter referred to as "**Grantor**", does hereby **grant** to **CITY OF COLTON, A CALIFORNIA MUNICIPAL CORPORATION**, hereinafter referred to as "**Grantee**", an **exclusive temporary construction easement** (hereinafter this "easement" or "grant") for **Grantee's** use as a temporary construction yard. Said **easement** is located on a certain portion ("**Easement Property**") of **Grantor's** real property ("**Fee Property**") situated in the County of San Bernardino, State of California, and more particularly described in **Exhibit "C"**, Legal Description attached hereto and made a part hereof, which **Easement Property** is more particularly described in **Exhibit "A"**, Legal Description and shown on **Exhibit "B"**, Plat, attached hereto and made a part hereof.

The term of the easement described herein shall commence _____ upon
 recordation of this document, and expire twenty-four (24) months thereafter.

 Mail Tax Statement As Directed Above

This easement is also subject to the following terms, conditions and restrictions:

1. The **Easement Property** shall only be used and occupied by **Grantee**, and its respective employees, agents, contractors and invitees as a temporary construction yard for its La Cadena Avenue Bridge Widening Project ("Project") including the right to fence said **Easement Property**, and use said **Easement Property** for Project personnel, materials, equipment, machinery, vehicles, job trailer(s), tools and other appurtenances and uses necessary for said construction project work, and for no other purposes.
2. Prior to commencing any work on the Easement Property, including any grading, **Grantee** shall submit plans to **Grantor** for **Grantor's** review and approval, with **Grantor** to issue to **Grantee** an encroachment permit if such plans are approved by **Grantor** in **Grantor's** sole, reasonable discretion. Any encroachment permit requirements stated in the permit that are not stated herein will be in addition to the terms and conditions herein.
3. **Grantee** shall be responsible for securing and maintaining all necessary permits and approvals from other appropriate local, state and federal agencies for its use of the **Easement Property**, and **Grantee** shall comply with all applicable laws and regulations concerning its use of the **Easement Property**. **Grantor** shall cooperate, in good faith, with **Grantee** in obtaining any necessary permits and approvals.
4. **Grantee** shall at all times, and at its sole cost and expense, maintain the **Easement Property** in good condition and repair, and protect against oil, gasoline, fuel and chemical or toxic spills and toxic discharges of any nature. **Grantee** shall be responsible for any damage to or pollution of the **Easement Property**, including the actions, inactions and use of the **Easement Property** by **Grantee's** respective employees, agents, contractors, subcontractors and invitees, and **Grantee** shall promptly repair to **Grantor's** reasonable satisfaction all such damage at **Grantee's** sole expense.
5. Any costs incurred by **Grantor** for **Grantor's** use of the **Easement Property** or the **Fee Property**, including (but not limited to) any costs incurred by **Grantor** for the construction, reconstruction, maintenance, and use of any **Grantor** flood control improvements on the **Easement Property** or the **Fee Property** attributable to the presence of **Grantee's** construction yard or the La Cadena Avenue Bridge Widening Project shall be borne by **Grantee**, at **Grantee's** sole cost. Upon the termination of this temporary construction easement, **Grantee** shall restore the **Easement Property** and **Fee Property** to as good a condition as existed on the date the easement was signed by **Grantor**, or as specified in the permit issued pursuant to Paragraph 2. In the event this easement and the encroachment permit conflict, the encroachment permit will govern.
6. **Grantee** agrees to indemnify, defend (with counsel reasonably approved by **Grantor**) and hold harmless the **Grantor**, the County of San Bernardino, and their authorized officers, employees, agents and volunteers ("Indemnitees") from any and all claims, actions, losses, damages, and/or liability arising out of this grant of easement from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by Indemnitees on account of any claim except where such indemnification is prohibited by law. This indemnification provision shall apply regardless of the existence or degree of fault of Indemnitees. The **Grantee's** indemnification obligation applies to Indemnitees' "active" as well as "passive" negligence but does not apply to the Indemnitees' "sole negligence" or "willful misconduct" within the meaning of Civil Code Section 2782.

7. **Grantee** agrees to comply with the following insurance requirements: **Grantor** and **Grantee** are authorized self-insured public entities for purposes of Professional Liability, General Liability, Automobile Liability, and Worker's Compensation and warrant that through their respective programs of self-insurance, they have adequate coverage or resources to protect against liabilities arising out of the performance of the terms, conditions or obligations of this easement.

8. This **easement** shall be governed by the laws of the State of California.

9. This grant may only be amended by a writing executed by both **Grantor** and **Grantee** and recorded in the Official Records of the County of San Bernardino.

10. If any legal action is instituted to enforce any party's rights hereunder, each party shall bear its own costs and attorneys' fees, regardless of who is the prevailing party. This Paragraph shall not apply to those costs and attorneys' fees directly arising from a third-party legal action against a party hereto and payable under Paragraph 6.

11. If a court of competent jurisdiction declares any provision of this easement invalid, illegal, or otherwise unenforceable, the remaining provisions shall continue in full force and effect, unless the purpose of this easement is frustrated.

IN WITNESS WHEREOF **Grantor** and **Grantee** have executed this Temporary Construction Easement Deed on the day and year written below and have agreed to be bound by the terms and provisions hereof.

GRANTOR:

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

By: _____

Name: Dawn Rowe

Title: Chair, Board of Supervisors

Date: _____

ACCEPTANCE OF TERMS AND CONDITIONS

This is to certify that the interest in real property conveyed by the Temporary Construction Easement Deed by the SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT to the CITY OF COLTON, is accepted by the undersigned officer on behalf of Grantee and Grantee agrees to be bound by the terms, conditions, restrictions and provisions hereof.

GRANTEE: CITY OF COLTON

By: _____

Name: _____

Title: _____

Date: _____

LEGAL DESCRIPTION
EXHIBIT A: TEMPORARY CONSTRUCTION EASEMENT
APN 0163-361-13

Real property situate in the City of Colton, County of San Bernardino, State of California, described as follows:

Being a portion of the lands of the San Bernardino County Flood Control District (S.B.C.F.C.D.), a body corporate and politic, as described in that certain Grant Deed recorded June 17, 1971 in Book 7690, Page 128, Official Records of San Bernardino County, being also a portion of Jurupa Rancho as per the map recorded in Book 9 of Maps at Page 33, in the Office of the County Recorder of said County, more particularly described as follows:

BEGINNING at the northeasterly corner of the lands described in Grant Deed recorded on December 6, 2019 as Document No. 2019-0451639, Official Records of San Bernardino County being the point of intersection of the southerly line of the lands of S.B.C.F.C.D. with the westerly line of La Cadena Drive, said point being also the beginning of a curve to the right, concave North, having a radius of 2,525.00 feet, from said point a radial line bears North 10°36'03" East;

Thence westerly along said curve being the southerly line of said lands of S.B.C.F.C.D. (Bk. 7690, Pg. 128, O.R.), through a central angle of 0°26'00", for an arc length of 19.10 feet;

Thence leaving said line the following four (4) courses:

- 1) North 8°04'52" East, 4.49 feet;
- 2) North 74°04'38" West, 61.75 feet;
- 3) North 15°23'00" East, 50.06 feet;
- 4) South 74°31'46" East, 74.15 feet to the said westerly line of La Cadena Drive;

Thence along said westerly line South 7°42'40" West, 53.95 feet to the **POINT OF BEGINNING**.

Containing an area of 3,976 square feet, more or less.

For: BKF Engineers



Davis Thresh, P.L.S. No. 6868

7/27/2021

Dated



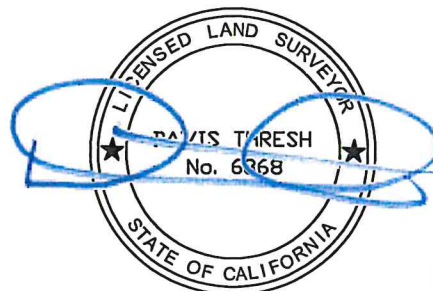
LANDS OF SAN
BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
BK. 7690, PG. 128, O.R.
APN 0163-361-13

NOTE: THIS PLAT IS SOLELY
AN AID IN LOCATING THE
PARCEL DESCRIBED IN THE
ATTACHED DOCUMENT, IT IS
NOT A PART OF THE WRITTEN
DESCRIPTION THEREIN.

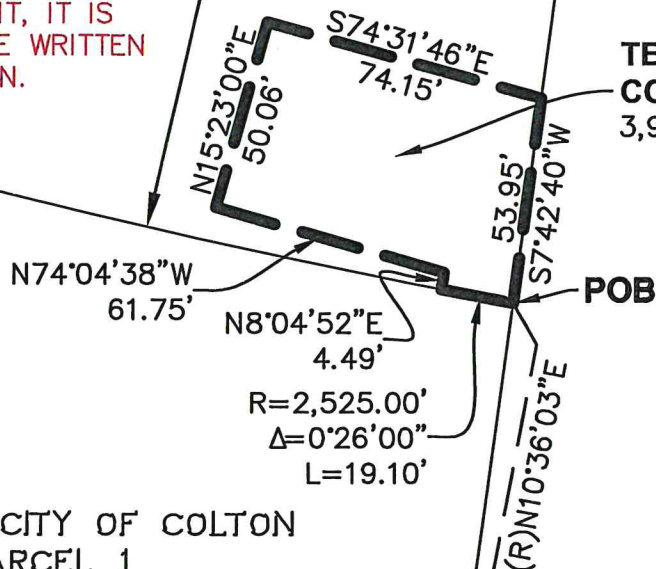
LEGEND & ANNOTATION

POB = POINT OF BEGINNING

— = DESCRIBED AREA
— = LOT LINE



**TEMPORARY
CONSTRUCTION EASEMENT**
3,976 SQ. FT.±



LANDS OF CITY OF COLTON
PARCEL 1
D.N. 2019-0451639
APN 0275-192-07

S. LA CADENA DR.

W. TROPICA RANCHO RD.

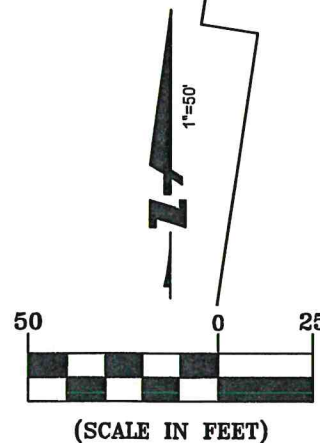


Exhibit C

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

THAT PORTION OF THAT PART OF JURUPA RANCHO AS PER PLAT RECORDED IN [BOOK 9, PAGE 33](#) OF MAPS, RECORDS OF SAID COUNTY, SAID PART DESCRIBED IN DOCUMENT RECORDED IN [BOOK 481, PAGE 73](#) OF DEEDS, RECORDS OF SAID COUNTY, SAID PORTION BEING ALL OF SAID PART LYING WITHIN A STRIP OF LAND 1050 FEET WIDE, BEING 525 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE, LYING WITHIN THAT PARCEL SET FORTH AND DESCRIBED ASSESSORS PARCEL MAPS OF SAID COUNTY.

EXCEPT THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE COUNTY OF SAN BERNARDINO AS SET FORTH AND DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED SEPTEMBER 15, 1965 AS [BOOK 6472, PAGE 698 OF OFFICIAL RECORDS](#)

BEGINNING AT A POINT IN THE WESTERLY LINE OF RANCHO SAN BERNARDINO AS PER PLAT RECORDED IN [BOOK 7 OF MAPS, PAGE 2](#), RECORDS OF SAID COUNTY, DISTANT NORTH 19° 36' 20" WEST ALONG SAID WESTERLY LINE, 2083.09 FEET FROM A ONE-INCH IRON PIPE MARKING THAT CERTAIN CORNER OF SAID RANCHO SAN BERNARDINO COMMONLY KNOWN AS R.S.B. NO. 2; THENCE NORTHWESTERLY 902.41 FEET ALONG A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 2000 FEET AND A CENTRAL ANGLE OF 25° 51' 08" THE BEGINNING TANGENT THEREOF BEARING NORTH 84°06'56" WEST; THENCE NORTH 58°15'48" WEST, 1542.71 FEET; THENCE SOUTHWESTERLY 5321.53 FEET ALONG A TANGENT CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 2950 FEET AND A CENTRAL

ANGLE OF 103° 21' 22"; THENCE SOUTH 18° 22' 50" WEST, 2713.73 FEET; THENCE WESTERLY 1534.19 FEET ALONG A TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 5000 FEET AND A CENTRAL ANGLE OF 17° 34' 50"; THENCE SOUTH 35° 57' 40" WEST 3253.02 FEET TO THE POINT OF TERMINATION IN THE CENTERLINE OF RIVERSIDE-RIALTO ROAD (A 66 FEET STREET), DISTANT ALONG SAID CENTERLINE SOUTH 12° 57' 07" EAST, 4753.39 FEET FROM THE INTERSECTION OF SAID CENTERLINE WITH THE CENTERLINE OF AGUA MANSA ROAD (A 60 FEET STREET).

THE OUTSIDE BOUNDARIES SHALL BE PROLONGED OR SHORTENED AS NECESSARY TO BEGIN AND END IN THE SAME LINES AS SAID CENTERLINE BEGINS AND ENDS.

NOTE: THIS COMPANY HAS PROVIDED SAID DESCRIPTION AS AN ACCOMMODATION FOR THE PURPOSE OF FACILITATING THIS REPORT. SAID DESCRIPTION MAY NOT BE AN INSURABLE PARCEL PURSUANT TO THE SUBDIVISION MAP ACT OF THE STATE OF CALIFORNIA AND SHOULD NOT BE RELIED UPON TO CONVEY OR ENCUMBER SAID LAND, UNTIL APPROVED BY THE APPROPRIATE GOVERNING AGENCY.

Assessor's Parcel Number: [0163-361-13-0-000](#)

CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property conveyed by the TCE Easement Deed _____, 202__, from San Bernardino County Flood Control District, a body corporate and politic, to the City of Colton, a California Municipal Corporation, by the within instrument, the provisions of which are incorporated by this reference as though fully set forth in this Certification, is hereby accepted by the undersigned officer(s) on behalf of the City of Colton pursuant to authority conferred by the City Council and the Grantee consents to recordation thereof by its duly authorized officer.

Dated: _____

By: _____

William R. Smith
City Manager

CITY OF COLTON
RIGHT OF WAY CONTRACT

EXHIBIT "2"
EASEMENT DEED (PUBLIC ROAD)

Recording Requested By:

City of Colton

Mail To:

City of Colton

160 S. 10th Street

Colton, CA 92324

ATTN: Engineering Division

Record without fee subject to Gov't Code 6103
and 27383

Project: Santa Ana River

System No.: 2.701

Parcel No.: 114

Dept. Code: 11600

**EASEMENT DEED
(Public Road)**

D.P. No.: 2-700

APN: 0163-361-18 (portion)

Date: March 22, 2023

The undersigned grantor(s) declare(s):

DOCUMENTARY TRANSFER TAX \$

☐ computed on full value of property conveyed, or☐ computed on full value less liens and encumbrances remaining at the time of sale☐ Unincorporated Area ☒ City: Colton

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, the **SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT**, a body corporate and politic, hereinafter referred to as "**Grantor**", does hereby **grant** to **CITY of COLTON**, a **California municipal corporation**, hereinafter referred to as "**Grantee**", a **non-exclusive easement** (hereinafter "easement" or "grant") for street, highway, road and/or bridge purposes including, without limitation, appurtenances such as culverts, slopes, embankments, curbs and sidewalks located on a certain portion ("**Easement Property**") of **Grantor's** real property ("**Fee Property**") situated in the County of San Bernardino, State of California and more particularly described in **Exhibit "A"**, Legal Description attached hereto and made a part hereof, and shown on **Exhibit "B"**, Plat, attached hereto and made a part hereof.

This easement is granted subject to all permits, agreements, licenses, leases, easements, reservations, restrictions, terms, conditions, covenants, encumbrances, liens and claims of title which may affect said **Easement Property**. The use of the word "grant" herein shall not imply any warranty on the part of the **Grantor** with respect to the **Easement Property**.

Mail Tax Statement As Directed Above

This easement is also subject to the following terms, conditions and restrictions:

1. This easement is subject to the **Grantor's** superior right to use the **Easement Property**, and **Grantor** reserves to itself and its successors and assigns a continuing right to use and make any improvements to the **Easement Property** for **Grantor's** use.
2. **Grantor** may grant further permits, agreements, licenses, leases, easements, reservations, restrictions, terms, conditions, covenants, encumbrances, liens, or other rights over the **Easement Property** (or portions thereof) for the benefit of other entities not parties to this grant, provided that such further grants do not materially and adversely interfere with **Grantee's** use of the **Easement Property**, as determined by **Grantor** in its sole discretion.
3. Prior to commencing the construction or replacement of **Grantee's** street, highway, road and/or bridge, and appurtenances pursuant to this grant, **Grantee** shall submit all plans for the excavation, construction, installation, removal, and replacement of such improvements to **Grantor** for **Grantor's** review and approval with **Grantor** to issue to **Grantee** a permit if such plans are approved by **Grantor** in **Grantor's** sole, reasonable discretion. The existence of **Grantee's** street, highway, road and/or bridge and attendant easement does not give **Grantee** any rights to do further work of any type within the **Easement Property** without first obtaining additional permit(s) from **Grantor** pursuant to the above-stated requirements and conditions.
4. **Grantee** shall be responsible for securing and maintaining all necessary permits and approvals from other appropriate local, state and federal agencies for its use of the **Easement Property**, and **Grantee** shall comply with all applicable laws and regulations concerning the construction of the street, highway, road and/or bridge and its use of **Easement Property**. **Grantor** shall cooperate with **Grantee**, in good faith, in obtaining any necessary permits and approvals.
5. Any street, highway, road, bridge or culvert constructed by or on behalf of **Grantee** on the **Easement Property** shall be designed to not interfere with or impede **Grantor's** conveyance of storm water or **Grantor's** flood control improvements, if any, now existing or later installed on the **Easement Property** by **Grantor**. **Grantee's** construction of its street, highway, road and/or bridge shall be in accordance with the plan approved by **Grantor** in accordance with paragraph 3 and must further meet all applicable construction standards and applicable laws,
6. **Grantee** shall not change the existing grade, modify the topography, or impede or diminish the floodwater conveyance capacity of the **Easement Property** or the **Fee Property** without prior written consent of **Grantor** (in **Grantor's** sole discretion).
7. **Grantee** shall at all times, and at its sole cost and expense, maintain the **Easement Property** and its street, highway, road and/or bridge improvement project constructed (or caused to be constructed) by **Grantee** and/or its agents in good condition and repair, and free of trash, debris, weeds and unauthorized uses. **Grantee** shall perform all necessary maintenance associated with the entire improvement project, such as bridge structure, box culverts and appurtenant structures including but not limited to wingwalls, curb and gutter, sidewalks and appurtenances thereto constructed within the **Easement Property** in conjunction with the street, highway, road and/or bridge project, and shall remove graffiti, and any unauthorized uses or encroachments within or on any part of the box culvert structure and its appurtenances, as well as performing all necessary weed abatement work within the **Easement Property**.

8. **Grantor** shall at all times have free and clear access through and over the **Easement Property** (except as temporarily approved by **Grantor** during periods of **Grantee's** construction and/or maintenance).

9. Any costs incurred by **Grantor** for **Grantor's** use of the **Easement Property**, including (but not limited to) any costs incurred by **Grantor** for the construction, reconstruction, maintenance, and use of any **Grantor** flood control improvements, if any, now existing or later installed on the **Easement Property** or the **Fee Property** attributable to the presence of **Grantee's** street, highway, road and/or bridge shall be borne by **Grantee**, at **Grantee's** sole cost. In the event that **Grantor** requires that **Grantee's** street, highway, road and/or bridge located on the **Easement Property** be relocated, modified, or protected due to **Grantor's** existing or future use of the **Easement Property** or the **Fee Property**, **Grantee** shall promptly relocate, modify, or protect **Grantee's** street, highway, road and/or bridge as directed by **Grantor** and **Grantee** shall bear, at its sole expense, all such relocation, modification and protection costs. **Grantee** shall pothole its facilities and provide such information to **Grantor** upon **Grantor's** request, or **Grantor** shall perform such potholing at **Grantee's** expense. Notwithstanding anything to the contrary in this paragraph, prior to relocation, modification or protection of **Grantee's** street, highway, road and/or bridge except in cases of emergency as determined by **Grantor** in its sole discretion when no prior notice is required, **Grantor** shall provide **Grantee** with written notice and 2 years to complete any required relocation, modification or protection within the **Easement Property**.

10. **Grantor** shall not be required to contribute any part of the costs associated with **Grantee's** street, highway, road and/or bridge on the **Easement Property** and furthermore, if **Grantor** is included in an assessment district to pay such costs, **Grantee** shall promptly reimburse **Grantor** for any assessment therefore levied upon it upon **Grantor** demand.

11. **Grantee** agrees to indemnify, defend (with counsel reasonably approved by **Grantor**) and hold harmless the **Grantor**, the **County of San Bernardino** and their authorized officers, employees, agents and volunteers (**Indemnitees**) from any and all claims, actions, losses, damages, and/or liability arising out of this grant of easement from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by **Grantor** on account of any claim except where such indemnification is prohibited by law. This indemnification provision shall apply regardless of the existence or degree of fault of **Indemnitees**. The **Grantee's** indemnification obligation applies to **Indemnitees'** "Active" as well as "passive" negligence but does not apply to the **Indemnitees'** "sole negligence" or "willful misconduct" within the meaning of Civil Code Section 2782.

12. **Grantee** agrees to comply with the following insurance requirements (for the purpose of this paragraph, **Grantor** shall be deemed to include the **County of San Bernardino**):

A. Additional Insured - All policies, except for the Workers' Compensation policy, shall contain endorsements naming the **Grantor** and its officers, employees, agents and volunteers as additional insureds with respect to liabilities arising out of this easement. The additional insured endorsements shall not limit the scope of coverage for the **Grantor** to vicarious liability but shall allow coverage for the **Grantor** to the full extent provided by the policy. Such additional insured coverage shall be at least as broad as Additional Insured (Form B) endorsement form ISO, CG 2010.11 85.

B. Waiver of Subrogation Rights - **Grantee** shall require the carriers of required coverages to waive all rights of subrogation against the **Grantor**, its officers, employees, agents, volunteers, contractors and subcontractors. All general or auto liability insurance coverage provided shall not prohibit **Grantee** and **Grantee's** employees or agents from waiving the right of subrogation prior to a loss or claim. **Grantee** hereby waives all rights of subrogation against the **Grantor**.

C. Policies Primary and Non-Contributory - All policies required herein are to be primary and noncontributory with any insurance or self-insurance programs carried or administered by the **Grantor**.

D. Severability of Interests - **Grantee** agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between **Grantee** and the **Grantor** or between the **Grantor** and any other insured or additional insured under the policy.

E. Proof of Coverage - **Grantee** shall furnish Certificates of Insurance to **Grantor** evidencing the insurance coverage, including endorsements, as required, prior to **Grantee's** execution of this easement document, which certificates shall provide that such insurance shall not be terminated or expire without thirty (30) days written notice to **Grantor**, and **Grantee** shall maintain such insurance throughout the term of the easement. Within fifteen (15) days of the **Grantee's** acceptance of this easement, **Grantee** shall furnish a copy of the Declaration page for all applicable policies and will provide complete certified copies of the policies and endorsements immediately upon request.

F. Acceptability of Insurance Carrier - Unless otherwise approved by the San Bernardino County Department of Risk Management (hereinafter "Risk Management"), insurance shall be written by insurers authorized to do business in the State of California and with a minimum "Best" Insurance Guide rating of "A- VII".

G. Deductibles and Self-Insured Retention - Any and all deductibles or self-insured retentions in excess of \$10,000 shall be declared to and approved by Risk Management.

H. Failure to Procure Coverage - In the event that any policy of insurance required under this easement does not comply with the requirements, is not procured, or is canceled and not replaced, the **Grantor** has the right but not the obligation or duty to obtain insurance if it deems necessary and any premiums paid by the **Grantor** will be promptly reimbursed by **Grantee**.

I. Insurance Review - Insurance requirements are subject to periodic review by the **Grantor**. **Grantor's** Director of Risk Management or designee is authorized, but not required, to increase, reduce, waive or suspend any insurance requirements whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced, or needed, or not needed, to protect the interests of the **Grantor**. In addition, if Risk Management determines that heretofore unreasonably priced or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Director of Risk Management or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against the **Grantor**, inflation, or any other item reasonably related to the **Grantor's** risk.

J. Any failure, actual or alleged, on the part of the **Grantor** 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 the **Grantor**.

K. **Grantee** agrees to provide insurance set forth in accordance with the requirements herein. If **Grantee** uses existing coverage to comply with these requirements and that coverage does not meet the specified requirements, **Grantee** agrees to amend, supplement or endorse the existing coverage to do so. The type(s) of insurance required is determined by the scope of this easement.

L. Without in any way affecting the indemnity herein provided and in addition thereto, **Grantee** shall secure and maintain throughout the duration of the easement the following types of insurance with limits as shown:

(1) Workers' Compensation/Employers Liability - A program of Workers' Compensation insurance or a state-approved, self-insurance program in an amount and form to meet all applicable requirements of the Labor Code of the State of California, including Employer's Liability with \$250,000 limits covering all persons including volunteers providing services on behalf of **Grantee** and all risks to such persons under this easement.

If **Grantee** has no employees, it may certify or warrant to the **Grantor** that it does not currently have any employees or individuals who are defined as "employees" under the Labor Code and the requirement for Workers' Compensation coverage will be waived by the **Grantor's** Director of Risk Management.

With respect to **Grantees** that are non-profit corporations organized under California or Federal law, volunteers for such entities are required to be covered by Workers' Compensation insurance.

(2) Commercial/General Liability Insurance - **Grantee** shall carry General Liability Insurance covering all operations performed by or on behalf of **Grantee** providing coverage for bodily injury and property damage with a combined single limit of not less than one million dollars (\$1,000,000), per occurrence. The policy coverage shall include:

- (a) Premises operations and mobile equipment.
- (b) Products and completed operations.
- (c) Broad form property damage (including completed operations).
- (d) Explosion, collapse and underground hazards.
- (e) Personal injury
- (f) Contractual liability.
- (g) \$2,000,000 general aggregate limit.

(3) Automobile Liability Insurance – Primary insurance coverage shall be written on ISO Business Auto coverage form for all owned, hired and non-owned automobiles or symbol 1 (any auto). The

policy shall have a combined single limit of not less than one million dollars (\$1,000,000) for bodily injury and property damage, per occurrence. If **Grantee** is transporting one or more non-employee passengers in **Grantee's** use of the **Easement Property**, the automobile liability policy shall have a combined single limit of two million dollars (\$2,000,000) for bodily injury and property damage per occurrence. If **Grantee** owns no autos, a non-owned auto endorsement to the General Liability policy described above is acceptable.

(4) **Umbrella Liability Insurance** - An umbrella (over primary) or excess policy may be used to comply with limits or other primary coverage requirements. When used, the umbrella policy shall apply to bodily injury/property damage, personal injury/advertising injury and shall include a "dropdown" provision providing primary coverage for any liability not covered by the primary policy. The coverage shall also apply to automobile liability.

(5) **Environmental Liability Insurance** with a combined single limit of not less than five million (\$5,000,000) per claim or occurrence. The required additional insured endorsement shall protect **Grantor** without any restrictions.

If insurance coverage is provided on a "claims made" policy, the "retroactive date" shall be shown and must be before the date the easement was signed by **Grantor**. The claims made insurance shall be maintained or "tail" coverage provided throughout the duration of the easement and for a minimum of five (5) years after termination of this easement.

(6) **Subcontractor Insurance Requirements**. **Grantee** agrees to require all parties, including (but not limited to) subcontractors, architects, or others it hires or contracts with related to the excavation, construction, installation, replacement, maintenance and repair, removal, use, or any other work performed by or on behalf of **Grantee** for the street, highway, road and/or bridge at the **Easement Property** to provide insurance covering the contracted operation with the same policies and provisions required of **Grantee** in this easement and with builder's risk property insurance, providing all risk, including theft coverage for all property and materials to be used for or related to the street, highway, road and/or bridge and said insurance policies shall not have any coinsurance penalty. All policies required under this provision shall include waiver of subrogation rights against **Grantor** and shall name **Grantor** as an additional insured. **Grantee** agrees to monitor and review all such coverage and assumes all responsibility ensuring that such coverage is provided as required herein.

13. In the event of **Grantee's** default of the terms, conditions and/or restrictions set forth herein, **Grantor** shall give written notice to **Grantee** of the same. Except in the case of the emergency as determined by **Grantor** in its sole discretion, **Grantee** shall have thirty (30) calendar days from the date of the **Grantor's** notice to cure the default. If **Grantee**, within thirty (30) calendar days from the date of the **Grantor's** notice to cure the default (except in the case of an emergency as determined by **Grantor** in its sole, reasonable discretion), commences the elimination of such default and continuously and diligently proceeds in good faith to eliminate such default, then the period for correction shall be extended for such length of time as is reasonably necessary to complete such correction. In the event **Grantee** fails to cure the default within the time prescribed herein, **Grantor** has the right but not the obligation to cure said default at the sole expense of **Grantee**, or **Grantee's** successors and assigns, and without liability to **Grantor** for loss thereof. **Grantee** and **Grantee's** successors and assigns agree to pay **Grantor** on demand all expenses incurred by **Grantor** in curing such default of **Grantee**. In addition, **Grantor** may pursue all other remedies available to it at law or in equity and such remedies shall be cumulative.

14. The easement, as well as the terms, conditions and restrictions, created hereby shall constitute covenants running with the land and shall be binding upon and shall benefit all successors and assigns of **Grantor** and **Grantee** respectively.

15. This easement shall be governed by the laws of the State of California.

16. This grant may only be amended by a writing executed by both **Grantor** and **Grantee** and recorded in the Official Records of the County of San Bernardino.

17. If any legal action is instituted to enforce any party's rights hereunder, each party shall bear its own costs and attorneys' fees, regardless of who is the prevailing party. This paragraph shall not apply to those costs and attorneys' fees directly arising from a third-party legal action against a party hereto and payable under paragraph 11.

18. If a court of competent jurisdiction declares any provision of this easement invalid, illegal, or otherwise unenforceable, the remaining provisions shall continue in full force and effect, unless the purpose of this easement is frustrated.

IN WITNESS WHEREOF **Grantor** and **Grantee** have executed this Easement Deed for street, highway, road and/or bridge purposes on the day and year written below and have agreed to be bound by the terms and provisions hereof.

GRANTOR:

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

By: _____

Name: _____

Title: Chair, Board of Supervisors

Date: _____

ACCEPTANCE OF TERMS AND CONDITIONS

This is to certify that the interest in real property conveyed by the Easement Deed for street, highway, road and/or bridge purposes by the SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT to the CITY OF COLTON, is accepted by the undersigned officer on behalf of Grantee and Grantee agrees to be bound by the terms and provisions hereof.

GRANTEE:

By: _____

Name: _____

Title: _____

Date: _____

Exhibit "A"

Legal Description of Easement Property

July 27, 2021
BKF Job No: 20191182

LEGAL DESCRIPTION
EXHIBIT A: ROADWAY EASEMENT
APN 0163-361-18

Real property situate in the City of Colton, County of San Bernardino, State of California, described as follows:

Being a portion of the lands of the San Bernardino County Flood Control District (S.B.C.F.C.D.), a body corporate and politic, being a portion of Lot 11 of Bandini Donation as shown by map on file in Book 3 of Maps at Page 24, Records of San Bernardino County lying within that certain Grant Deed recorded on October 4, 1974 in Book 8530, Page 995 of Official Records of San Bernardino together with any portion of the vacated Riverside Road by the Resolution of the City Council of the City of Colton recorded on November 7, 1960 in Book 5278, Page 150 of Official Records of San Bernardino County and excepting those portions known as Peters Right of Way described in that Grant Deed recorded June 15, 1964 in Book 6169, Page 721 of Official Records of San Bernardino County, more particularly described as follows:

COMMENCING at a point in the southerly line of right-of-way described in that deed to State of California recorded on May 31, 1939 in Book 1349, Page 292 of Official Records of San Bernardino County said point being South 84°18'19" West, 51.76 feet (per record "South 84°45'39" West, 51.76'") from the southeasterly corner of said Lot 11 of Bandini Donation (3 M.B. 24) said point being the southeasterly corner of the exception to Parcel G said Grant Deed (Bk. 6169, Pg. 721, O.R.);

Thence continuing along the last described course being the southerly line of said exception, South 84°18'19" West, 137.82 feet to the southeasterly corner of said Parcel G, said point being the **TRUE POINT OF BEGINNING**;

Thence along the easterly line of said Parcel G and the northerly extension thereof North 7°42'40" East, 308.99 feet;

Thence South 84°55'20" East, 25.28 feet to the westerly line of South La Cadena Drive;

Thence along said westerly line South 5°04'04" West, 301.15 feet to an angle point in said westerly line being also the southeasterly corner of said lands of S.B.C.F.C.D.;

Thence along the southerly line of said lands South 84°18'19" West, 40.24 feet to the **TRUE POINT OF BEGINNING**.

Containing an area of 9,854 square feet, more or less.

For: BKF Engineers



Davis Thresh, P.L.S. No. 6868

11/16/2020

Dated



Exhibit “B”

Plat of Easement Property

LANDS OF SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
POR. LOT 11 OF 3 MB 24 WITHIN BK. 8530,
PG. 995, O.R. WITH BK. 5278, PG. 150,
O.R., EXCEPTING BK. 6169, PG. 721, O.R.
APN 0163-361-18

ROADWAY EASEMENT
9,854 SQ. FT.±

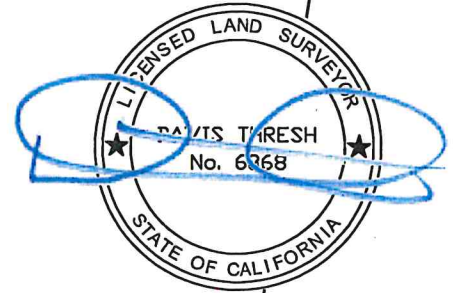
NOTE: THIS PLAT IS SOLELY
AN AID IN LOCATING THE
PARCEL DESCRIBED IN THE
ATTACHED DOCUMENT, IT IS
NOT A PART OF THE WRITTEN
DESCRIPTION THEREIN.

LANDS OF SAN
BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
PARCEL G
BK. 6169, PG. 721, O.R.
APN 0163-361-05

LANDS OF SAN
BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
APN 0163-361-13

LEGEND & ANNOTATION

POC = POINT OF COMMENCEMENT
TPOB = TRUE POINT OF BEGINNING
—— = DESCRIBED AREA
—— = LOT LINE



S. LA CADENA DR.

RANCHO SAN BERNARDINO
JURUPA

SOUTHEASTERLY CORNER
OF LOT 11, 3 M.B. 24

POC

TPOB



(SCALE IN FEET)



S84°55'20"E
25.28'

N7°42'40"E 308.99'

S5°04'04"W 301.15'

EXCEPTION TO PARCEL G
BK. 1349, PG. 292, O.R.

40.24'

S84°18'19"W 137.82'

51.76'
S84°18'19"W

CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property conveyed by the Easement Deed _____, 202__, from San Bernardino County Flood Control District, a body corporate and politic, to the City of Colton, a California Municipal Corporation, by the within instrument, the provisions of which are incorporated by this reference as though fully set forth in this Certification, is hereby accepted by the undersigned officer(s) on behalf of the City of Colton pursuant to authority conferred by the City Council and the Grantee consents to recordation thereof by its duly authorized officer.

Dated: _____

By: _____
William R. Smith
City Manager

**CITY OF COLTON
RIGHT OF WAY CONTRACT**

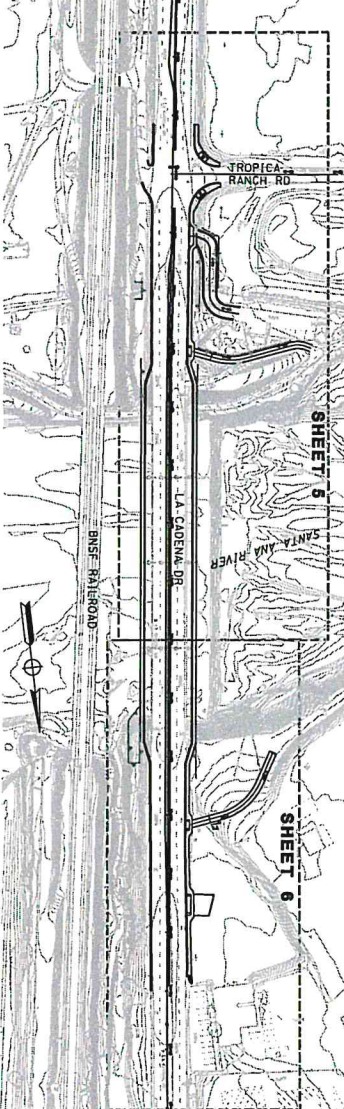
**EXHIBIT "3"
PLANS DATED MARCH 8, 2017**

STREET IMPROVEMENT GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS.
2. THE STANDARD PLANS, SPECIFICATIONS, AND ORDINANCES OF THE CITY OF COLTON SHALL BE CONSULTED FOR THE STANDARD PLANS, SPECIFICATIONS, AND ORDINANCES OF THE CITY OF COLTON.
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NOTE: CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

CITY OF COLTON COUNTY OF SAN BERNARDINO, CALIFORNIA LA CADENA DRIVE OVER SANTA ANA RIVER BRIDGE REPLACEMENT BRIDGE NO. 54C-0077 PROJECT NO. BRLS-5065(014)



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1-3	TITLE SHEET, INDEX MAP, SHEET INDEX AND GENERAL NOTES
4	BRIDGE NO. 54C-0077
5-6	BRIDGE NO. 54C-0077
7-8	BRIDGE NO. 54C-0077
9-10	BRIDGE NO. 54C-0077
11-12	BRIDGE NO. 54C-0077
13-14	BRIDGE NO. 54C-0077
15-16	BRIDGE NO. 54C-0077
17-18	BRIDGE NO. 54C-0077
19-20	BRIDGE NO. 54C-0077
21-22	BRIDGE NO. 54C-0077
23-24	BRIDGE NO. 54C-0077

UTILITY PURVEYORS

UTILITY PURVEYOR	ADDRESS	PHONE
AT&T TELEPHONE CO.	714-951-1854	714-951-1854
AT&T TELEPHONE CO.	714-951-1854	714-951-1854
AT&T TELEPHONE CO.	714-951-1854	714-951-1854
AT&T TELEPHONE CO.	714-951-1854	714-951-1854
AT&T TELEPHONE CO.	714-951-1854	714-951-1854
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AT&T TELEPHONE CO.	714-951-1854	714-951-1854
AT&T TELEPHONE CO.	714-951-1854	714-951-1854

ABBREVIATIONS

AB	ASPHALT
AC	ACCRUSTED
AD	ADJUSTED
AE	ADJUSTED
AF	ADJUSTED
AG	ADJUSTED
AH	ADJUSTED
AI	ADJUSTED
AJ	ADJUSTED
AK	ADJUSTED
AL	ADJUSTED
AM	ADJUSTED
AN	ADJUSTED
AO	ADJUSTED
AP	ADJUSTED
AQ	ADJUSTED
AR	ADJUSTED
AS	ADJUSTED
AT	ADJUSTED
AV	ADJUSTED
AW	ADJUSTED
AX	ADJUSTED
AY	ADJUSTED
AZ	ADJUSTED

LEGEND

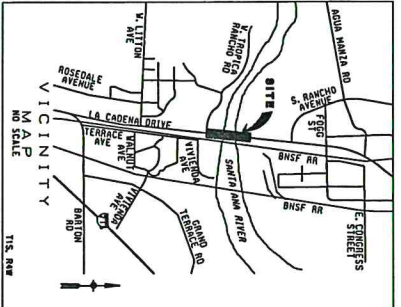
PROPOSED AC PAVEMENT	PROPOSED SIDEWALK/DRIVEWAY
PROPOSED SIDEWALK/DRIVEWAY	PROPOSED SIDEWALK/DRIVEWAY
PROPOSED SIDEWALK/DRIVEWAY	PROPOSED SIDEWALK/DRIVEWAY
PROPOSED SIDEWALK/DRIVEWAY	PROPOSED SIDEWALK/DRIVEWAY
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PROPOSED SIDEWALK/DRIVEWAY	PROPOSED SIDEWALK/DRIVEWAY
PROPOSED SIDEWALK/DRIVEWAY	PROPOSED SIDEWALK/DRIVEWAY

ENGINEER'S NOTICE TO CONTRACTOR

THE ENGINEER AND LOCATION OF ANY UNDERGROUND UTILITY PIPES ON STRUCTURES SHOWN ON THESE PLANS ARE BASED ON THE RECORD DRAWINGS AND FIELD SURVEY. THE ENGINEER HAS NOT BEEN ADVISED OF ANY CHANGES TO THE RECORD DRAWINGS OR FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

CONTRACTOR'S RESPONSIBILITY FOR SAFETY

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE WORKING ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



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NOT FOR CONSTRUCTION

UNDERGROUND SERVICE ALERT
Call-Toll FREE
1-800-422-4133

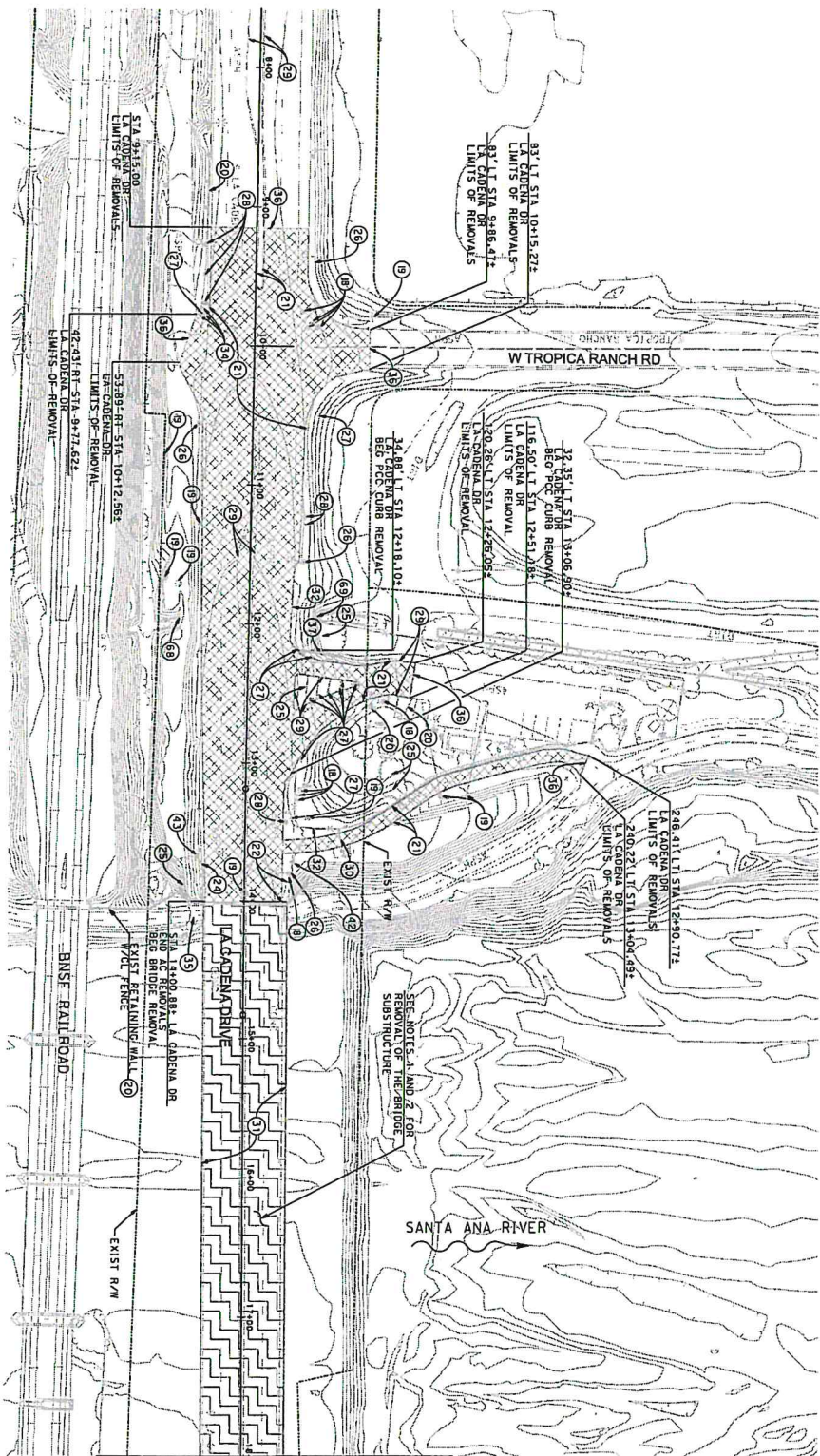
BENCHMARK
CITY OF COLTON
3257 E. GUASTI ROAD
SUITE 120
ONTARIO, CA 91761



PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120
ONTARIO, CA 91761

DATE	BY	REVISION
10/1/01	JAC	1.0
10/1/01	JAC	1.1
10/1/01	JAC	1.2
10/1/01	JAC	1.3
10/1/01	JAC	1.4
10/1/01	JAC	1.5
10/1/01	JAC	1.6
10/1/01	JAC	1.7
10/1/01	JAC	1.8
10/1/01	JAC	1.9
10/1/01	JAC	1.10

- NOTES**
1. FOR THE REMOVAL OF THE EXISTING ABUTMENT PILES, CUT OFF THE EXISTING PILES 5' BELOW THE BOTTOM ELEVATION OF THE NEW ABUTMENT FOOTING. REMOVE THE PORTION OF THE EXISTING PILES ABOVE THIS CUT OFF ELEVATION AND LEAVE IN PLACE THE PORTION BELOW THIS ELEVATION. SEE THE FOUNDATION PLAN IN THE BRIDGE PLANS.
 2. FOR THE REMOVAL OF THE EXISTING PIER PILES, PULL OUT AND REMOVE THE ENTIRE PILE FOR THOSE PILES LOCATED IN CLOSE PROXIMITY TO ANY OF THE THREE EXISTING PILES ABOVE THIS CUT OFF ELEVATION AND LEAVE IN PLACE THE PORTION BELOW THIS ELEVATION. SEE THE FOUNDATION PLAN IN THE BRIDGE PLANS. EXISTING PILES ABOVE THIS CUT OFF ELEVATION AND LEAVE IN PLACE THE PORTION BELOW THIS ELEVATION. SEE THE FOUNDATION PLAN IN THE BRIDGE PLANS.
 3. SEE DETAILS ON SHEET 9 FOR ADDITIONAL REMOVALS BEYOND LIMITS SHOWN.



- CONSTRUCTION NOTES**
1. REFER TO WATER PLANS FOR DISPOSITION
 2. REFER TO UTILITY PLANS FOR DISPOSITION
 3. PROTECT IN PLACE
 4. REMOVE AC PAVEMENT AND/OR DME
 5. REMOVE PCC SIDEWALK
 6. REMOVE EXISTING METAL BEAM GUARD RAIL
 7. REMOVE EXISTING TREE
 8. REMOVE OR RELOCATE EXISTING STREET LIGHT, SEE STREET LIGHT PLAN.
 9. REMOVE OR RELOCATE EXISTING SIGN, SEE SIGNING AND STRIPING PLAN.
 10. REMOVE EXISTING PCC CURB
 11. REMOVE AND RELOCATE EXISTING DELINEATOR
 12. REMOVE AND RELOCATE EXISTING PFC GATE
 13. REMOVE EXISTING BRIDGE
 14. REMOVE AND/OR REPLACE EXISTING VINYL RAIL FENCE
 15. REMOVE AND REPLACE EXISTING BOLLARDS W/AND
 16. REPLACE DETERIORATED AC TRAIL PAVEMENT W/AND
 17. SANICIT EXISTING PAVEMENT
 18. REMOVE EXISTING RAIL
 19. REMOVE EXISTING POWER POLE
 20. REMOVE EXISTING CONCRETE SOFTT
 21. REMOVE EXISTING CONCRETE SOFTT
 22. REMOVE PORTION OF EXISTING T X V CONCRETE TRAPEZOIDAL CHANNEL, SEE STORM DRAIN IMPROVEMENT PLANS

MATCHLINE STA. 18+00.00
SEE SHEET 3



NOTE
CONTRACTOR TO VERIFY LOCATION
AND DEPTH OF EXISTING UTILITIES
PRIOR TO BEGINNING CONSTRUCTION

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FOR INTERNAL USE ONLY
NOT FOR CONSTRUCTION**

GEOTECHNICAL ENGINEER: EARTH MECHANICS, INC. 17800 NEWHORN STREET, SUITE B FOUNTAIN VALLEY, CA 92708 PHONE: (714) 751-3828 FAX: (714) 751-3928		<i>Underground Service Alert</i>  CALL-TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG		BENCHMARK  CITY OF COLTON 1257 E. GUASTI ROAD SUITE 120 COLTON, CA 91761		PREPARED BY: JACOBS 3257 E. GUASTI ROAD SUITE 120 COLTON, CA 91761																													
CITY OF COLTON PUBLIC WORKS DEPARTMENT CITY ENGINEER NAME: _____ TITLE: _____ DATE: _____		REVISIONS <table><thead><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th><th>CHKD.</th></tr></thead><tbody><tr><td>1</td><td>06/29/17</td><td>LA GARDENA DRIVE OVER</td><td></td><td></td></tr><tr><td>2</td><td>06/29/17</td><td>BRIDGE PIER ABUTMENT PROJECT</td><td></td><td></td></tr><tr><td>3</td><td>06/29/17</td><td>BRIDGE PIER ABUTMENT PROJECT</td><td></td><td></td></tr><tr><td>4</td><td>06/29/17</td><td>BRIDGE PIER ABUTMENT PROJECT</td><td></td><td></td></tr><tr><td>5</td><td>06/29/17</td><td>BRIDGE PIER ABUTMENT PROJECT</td><td></td><td></td></tr></tbody></table>		NO.	DATE	DESCRIPTION	BY	CHKD.	1	06/29/17	LA GARDENA DRIVE OVER			2	06/29/17	BRIDGE PIER ABUTMENT PROJECT			3	06/29/17	BRIDGE PIER ABUTMENT PROJECT			4	06/29/17	BRIDGE PIER ABUTMENT PROJECT			5	06/29/17	BRIDGE PIER ABUTMENT PROJECT			PROJECT NO. 1305-1 SHEET NO. 24	
NO.	DATE	DESCRIPTION	BY	CHKD.																															
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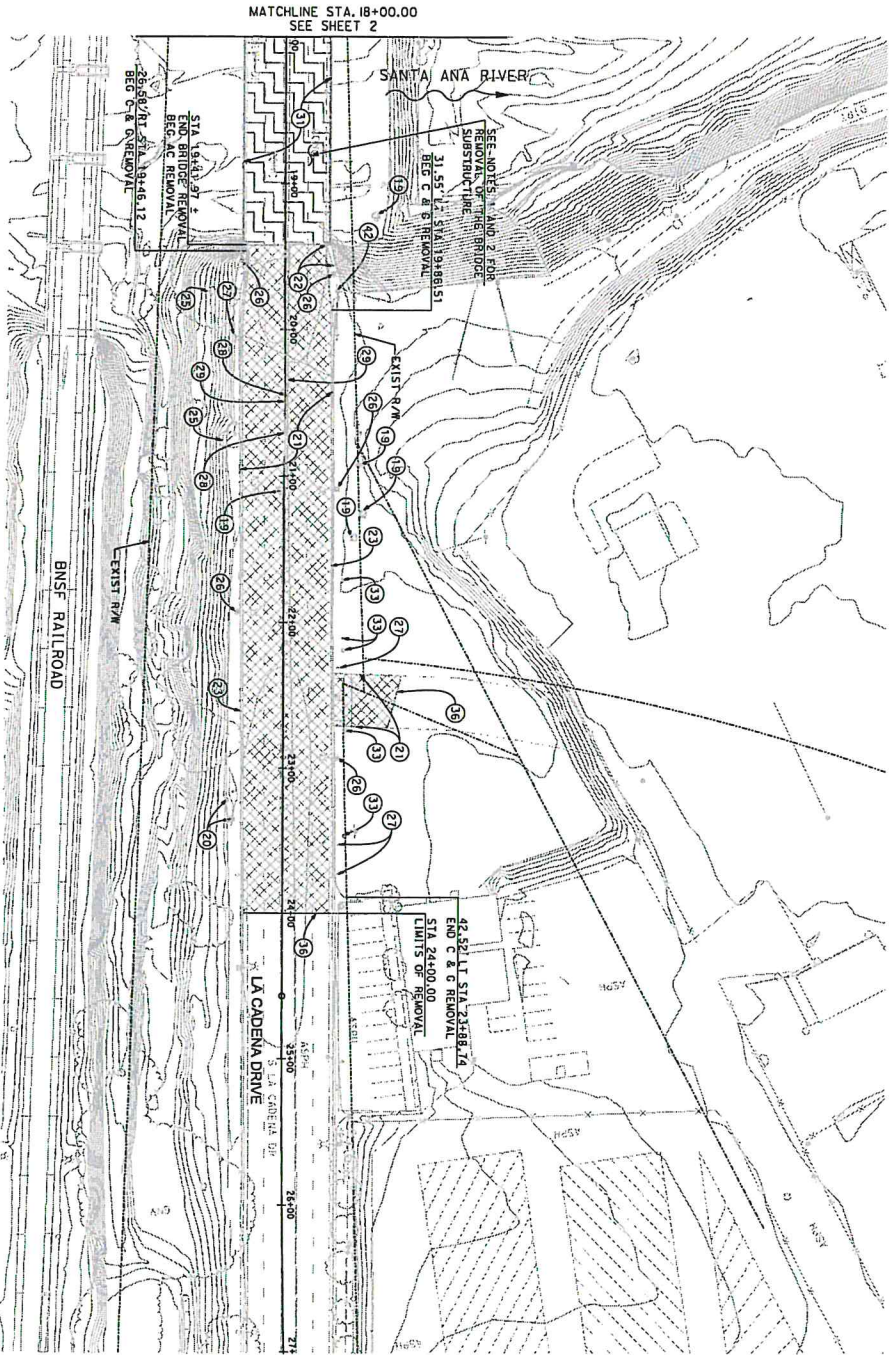
NOTES

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2. FOR THE REMOVAL OF THE EXISTING PIER PILES, PULL, CUT AND REMOVE THE ENTIRE PILE FOR THOSE PILES LOCATED IN CLOSE PROXIMITY TO ANY OF THE PROPOSED BENT LOCATIONS. THE REMAINING EXISTING PIER PILES SHALL BE CUT OFF 3' BELOW THE EXISTING GROUND ELEVATION, REMOVE THE PORTION OF THE EXISTING PILES ABOVE THIS CUT OFF ELEVATION AND LEAVE IN PLACE THE PORTION BELOW THIS ELEVATION. SEE THE FOUNDATION PLAN IN THE BRIDGE PLANS.

CONSTRUCTION NOTES

1. REFER TO UTILITY PLANS FOR DISPOSITION
2. PROTECT IN PLACE
3. REMOVE AC PAVEMENT AND/OR DIRT
4. REMOVE PCC SIDEWALK
5. REMOVE EXISTING CURB & GUTTER TO LIMITS SHOWN
6. REMOVE EXISTING TREE
7. REMOVE OR RELOCATE EXISTING STREET LIGHT, SEE STREET LIGHT PLAN.
8. REMOVE OR RELOCATE EXISTING SIGN, SEE SIGNING AND STRIPING PLAN.
9. REMOVE EXISTING PCC CLAMP
10. REMOVE EXISTING BRIDGE
11. REMOVE EXISTING METAL POST
12. REMOVE EXISTING PAVEMENT
13. REMOVE EXISTING POWER POLE



NOTE

CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

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GEOTECHNICAL ENGINEER:
 GARTH MECHANICAL, INC.
 1000 S. GARDEN STREET, SUITE 8
 POCUNAW VALLEY, CA 92708
 PHONE: (714) 751-3928
 FAX: (714) 751-3928

Underground Service Alert
 Call/Toll FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 ETO OF COAST AND GEOD. SURV. DIV. 2
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PREPARED BY:
JACOBS
 3257 E. GUASTI ROAD
 SUITE 120
 ONTARIO, CA 91761

CITY OF COLTON
 PUBLIC WORKS DEPARTMENT
 CITY ENGINEER
 OFFICE: (924) 711-1111
 FAX: (924) 711-1111
 DATE: _____

LA CADENA DRIVE OVER THE BNSF RAILROAD BRIDGE IMPROVEMENT PROJECT
 STREET IMPROVEMENT PLANS
 CONSTRUCTION AND REMOVAL PLAN
 STA. 19+48.12 - 20+00.00
 SHEET 1 OF 14

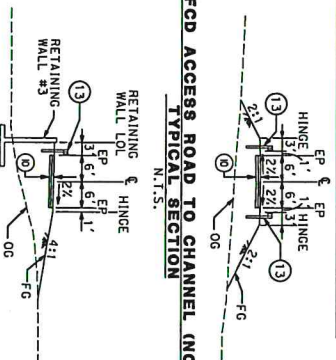


CONSTRUCTION NOTES

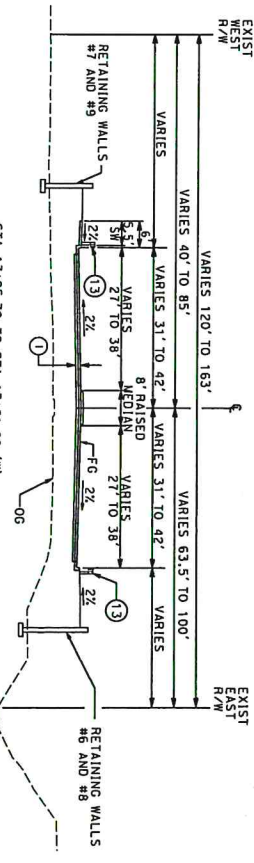
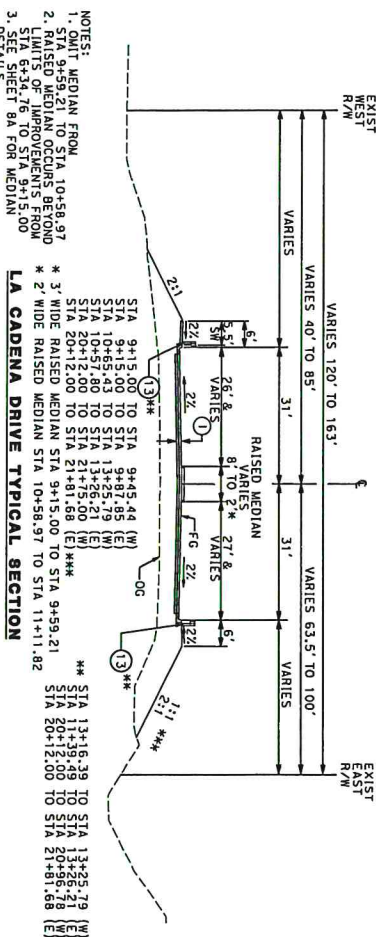
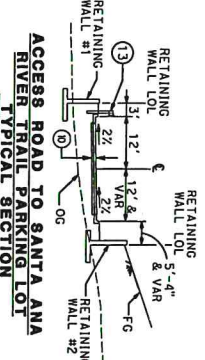
1. CONSTRUCT 6" MAX. 4" OVER 4" C&G PER S&S ENGINEER'S RECOMMENDATION
2. CONSTRUCT 6" C&G AND CUTTER PER CITY OF COLTON STD 006
3. CONSTRUCT 6" TRAFFIC ISLAND C&G PER CITY OF COLTON STD 007
4. CONSTRUCT COMMERCIAL DRIVEWAY PER CITY OF COLTON STD 010
5. CONSTRUCT LOCAL DEPRESSION PER CITY OF COLTON STD 200
6. CONSTRUCT DRIVE APPROACH PER DETAILS ON SHEETS 1 AND/OR 8
7. CONSTRUCT F&B PER CITY OF COLTON STD 009
8. CONSTRUCT 4" THICK SIDEWALK 4" SLOPE PER CITY OF COLTON STD 009
9. CONSTRUCT 3" MAX. 4" OVER 4" C&G
10. CONSTRUCT F&B PER S&S STD 005 CASE 0, TYPE 2
11. CONSTRUCT 4" THICK STAFFED CONCRETE MEDIAN PAVEMENT
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60. CONSTRUCT CURB INLET CATCH BASIN PER CITY OF COLTON STD 200 WITH INLET CATCH BASIN FILTER TYPE INLET INSETS ON APPROVED EQUAL
61. CONSTRUCT 24" RCP 0-10' PER PLAN
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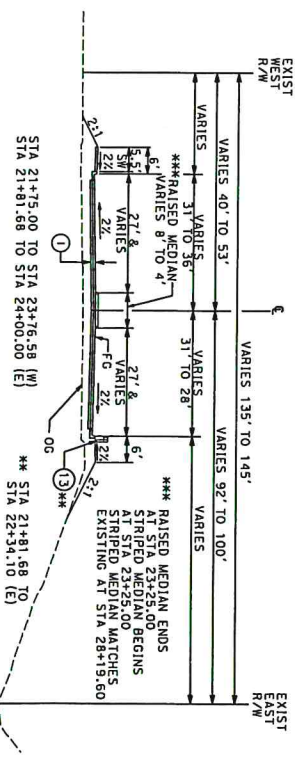
SBFCFD ACCESS ROAD TO CHANNEL (NORTH)



SBFCFD ACCESS ROAD TO CHANNEL (SOUTH)



LA CADENA DRIVE TYPICAL SECTION



LA CADENA DRIVE TYPICAL SECTION

NOTE: CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

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GEOTECHNICAL ENGINEER: GARTH MECHANICAL, INC. 1500 S. GARDEN AVENUE, SUITE 8 FONTANA, CALIF. 92335 PHONE: (714) 751-3928 FAX: (714) 751-3928		Underground Service Alert Call/Toll Free 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG		BENCHMARK CITY OF COLTON 3237 E. GUSTIN ROAD SUITE 100 FONTANA, CA 92335		PREPARED BY: JACOBS 3237 E. GUSTIN ROAD SUITE 100 FONTANA, CA 92335		CITY OF COLTON PUBLIC WORKS DEPARTMENT CITY ENGINEER DATE: 10/1/11 PROJECT: LA CADENA DRIVE SHEET: 10 OF 21	
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NOTE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

SEE SHEET 9 FOR DETAILS AND LAYOUT

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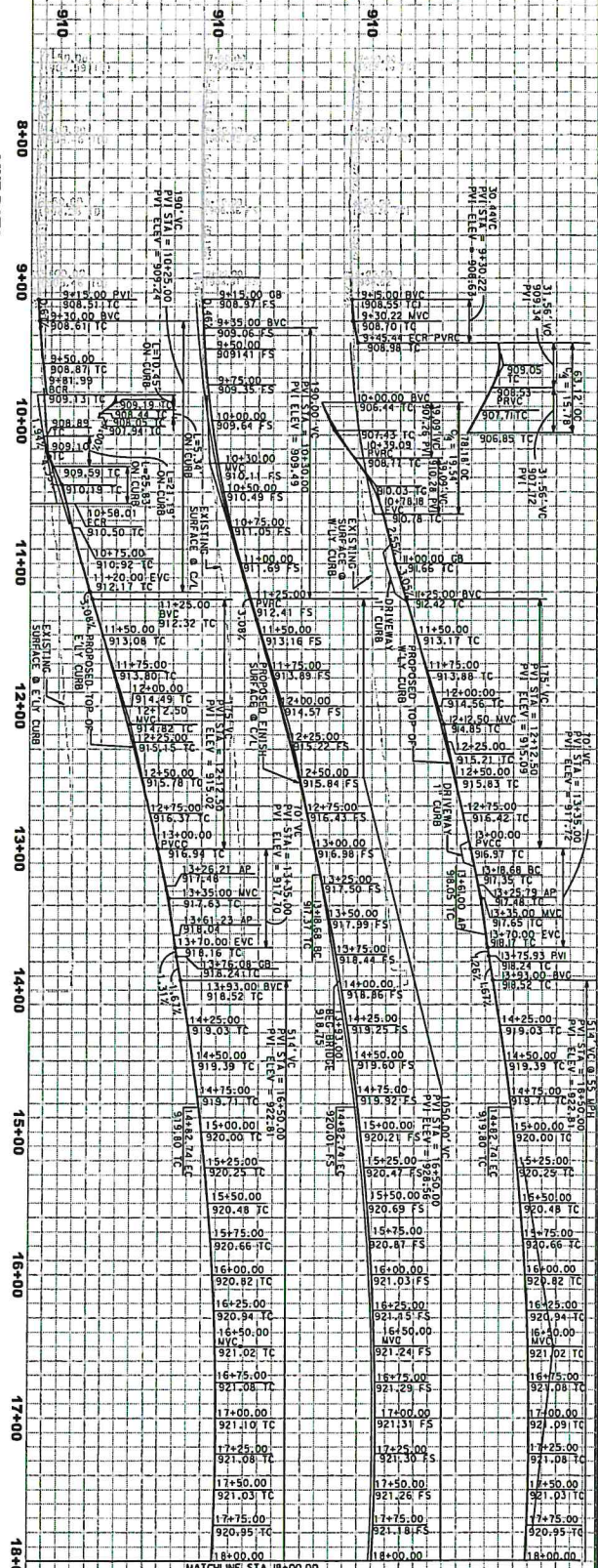
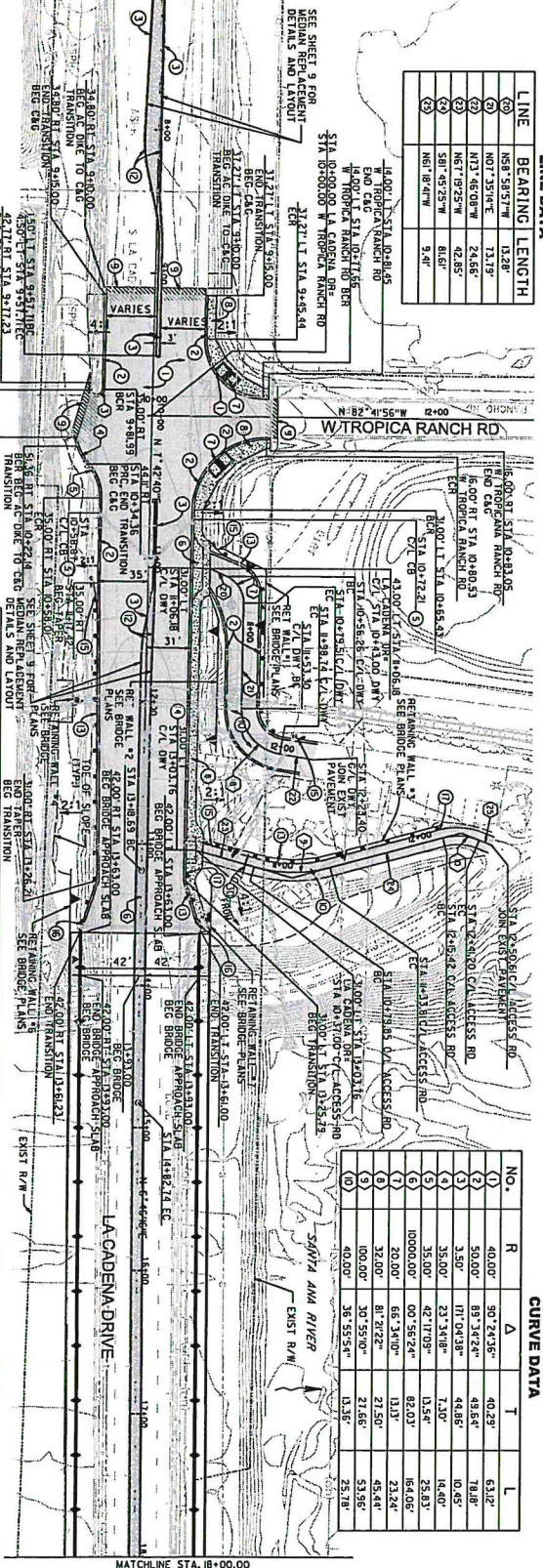
BENCHMARK
CITY OF COLTON
SUITE 120
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ONTARIO, CA 91761



PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
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ONTARIO, CA 91761

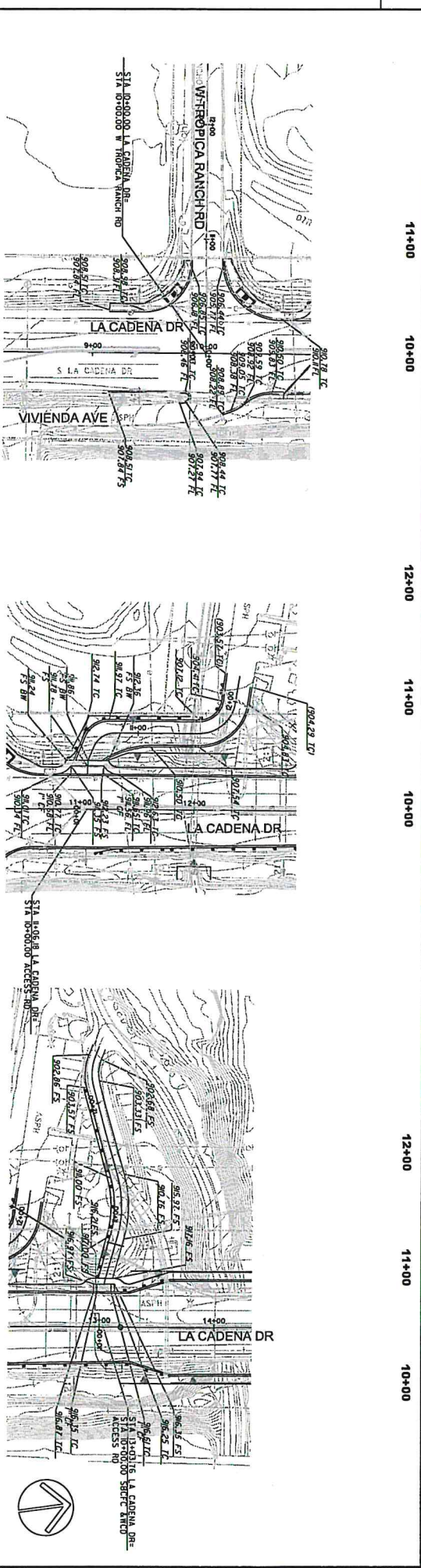
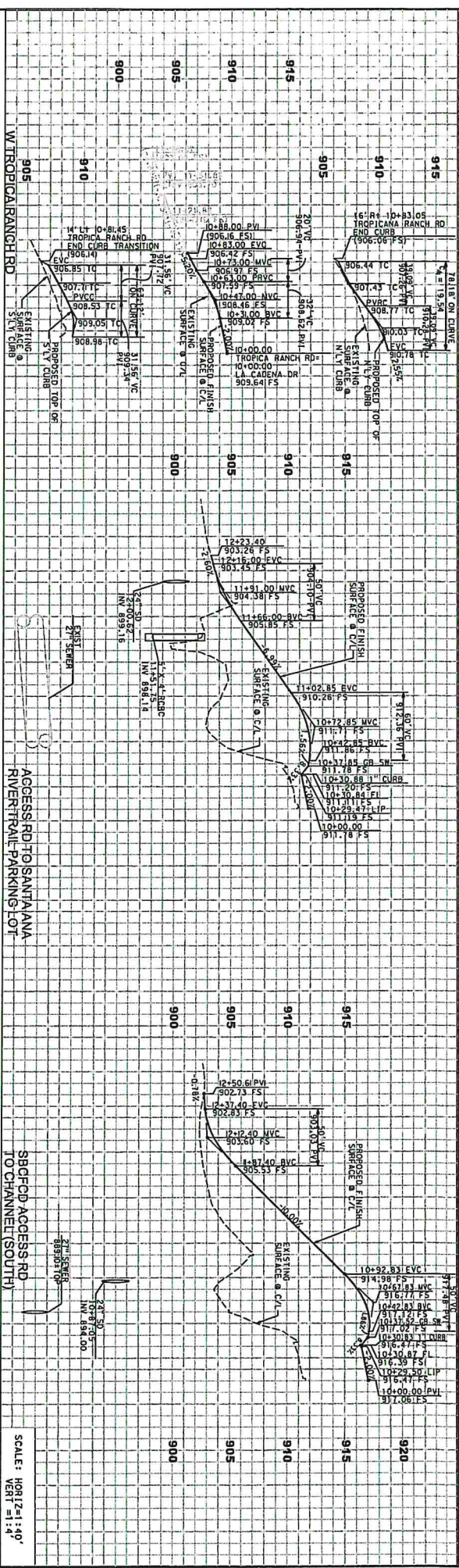
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
DATE: 06/20/17
PROJECT NO: 1205-1

LA CADENA DRIVE
BRIDGE IMPROVEMENT PLAN
PLAN AND PROFILE
SHEET 5 OF 24



CONSTRUCTION NOTES

1. CONSTRUCT 3'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
2. RECONSTRUCT 4'-CLB AND CUTTER PER CITY OF COLTON STD 06
3. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
4. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
5. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
6. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
7. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
8. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
9. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
10. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
11. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
12. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
13. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
14. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
15. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
16. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
17. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
18. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
19. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS
20. CONSTRUCT 4'-H.A. OVER 4'-CLB PER SOLS DIMENSIONS



W TROPICAL RANCH RD

ACCESS RD TO SANTA ANA RIVER TRAIL PARKING LOT

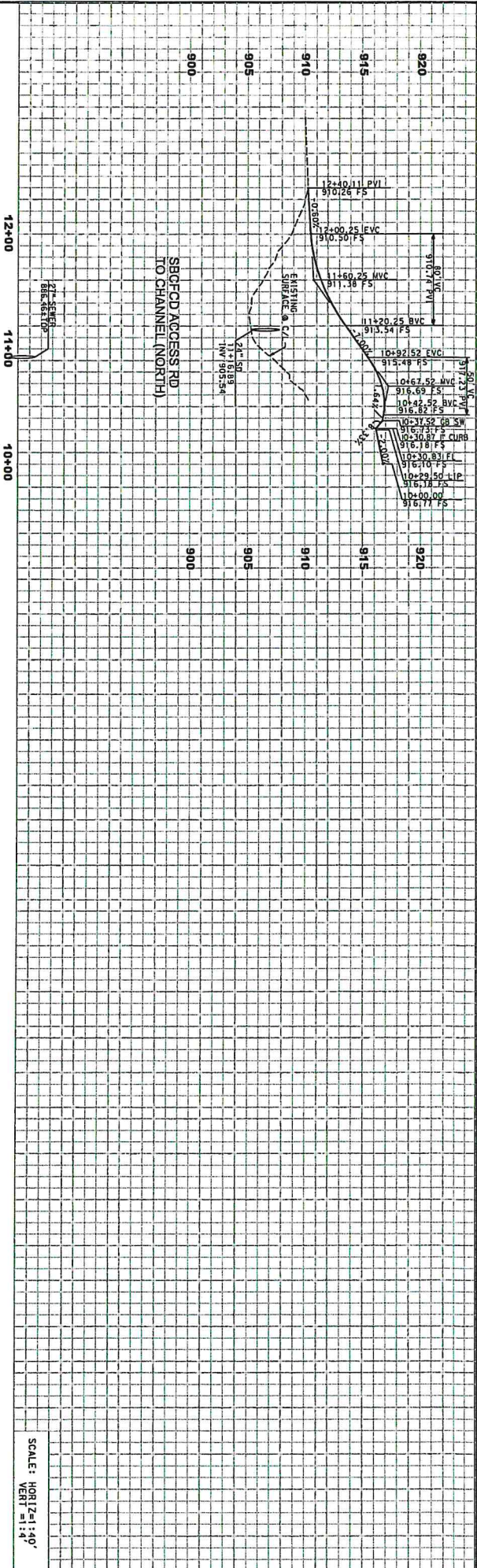
SBOFCD ACCESS RD TO CHANNEL (SOUTH)



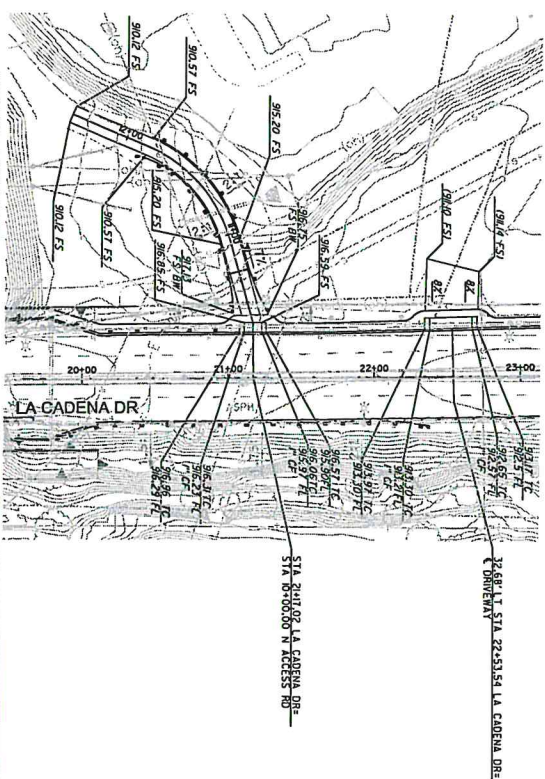
NOTE
 CONTRACTOR TO VERIFY LOCATION
 AND DEPTH OF EXISTING UTILITIES
 PRIOR TO BEGINNING CONSTRUCTION

88% P&E SUBMITTAL
 FOR INTERNAL USE ONLY
 NOT FOR CONSTRUCTION

GEOTECHNICAL ENGINEER: EARTH MECHANICS, INC. 1000 W. 10TH ST., SUITE B FORT WORTH, TEXAS 76102 PHONE: (714) 791-3285 FAX: (714) 751-3288		Undergound Service Alert! Call: TOL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG		BENCHMARK CITY OF COLTON (SEE MAP 201-1) A BENCHMARK SHALL BE SET AT THE INTERSECTION OF THE CENTER LINE OF A ROAD AND THE CENTER LINE OF A RAILROAD OR A RIVER OR A CANAL		PREPARED BY: JACOBS 3257 E. GUASTI ROAD SUITE 120 ONTARIO, CA 91761		CITY OF COLTON PUBLIC WORKS DEPARTMENT CITY ENGINEER DATE: 06/29/11 PROJECT: LA CADENA DRIVE SHEET: 100-1 SHEET NO.: 1205-1		REVIEWED BY: DATE: 06/29/11 PROJECT: LA CADENA DRIVE SHEET: 100-1 SHEET NO.: 1205-1	
---	--	--	--	---	--	--	--	---	--	---	--



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



NOTE: CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

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GEOTECHNICAL ENGINEER:
EARTH MECHANICS, INC.
17800 NEWMORE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
TEL: (714) 751-3526
FAX: (714) 751-3528

Underground Service Alert
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

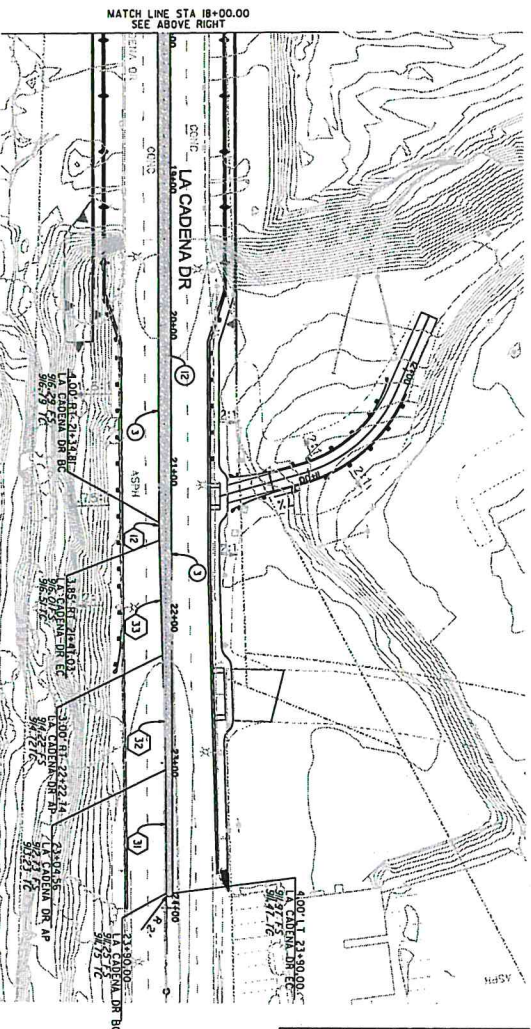
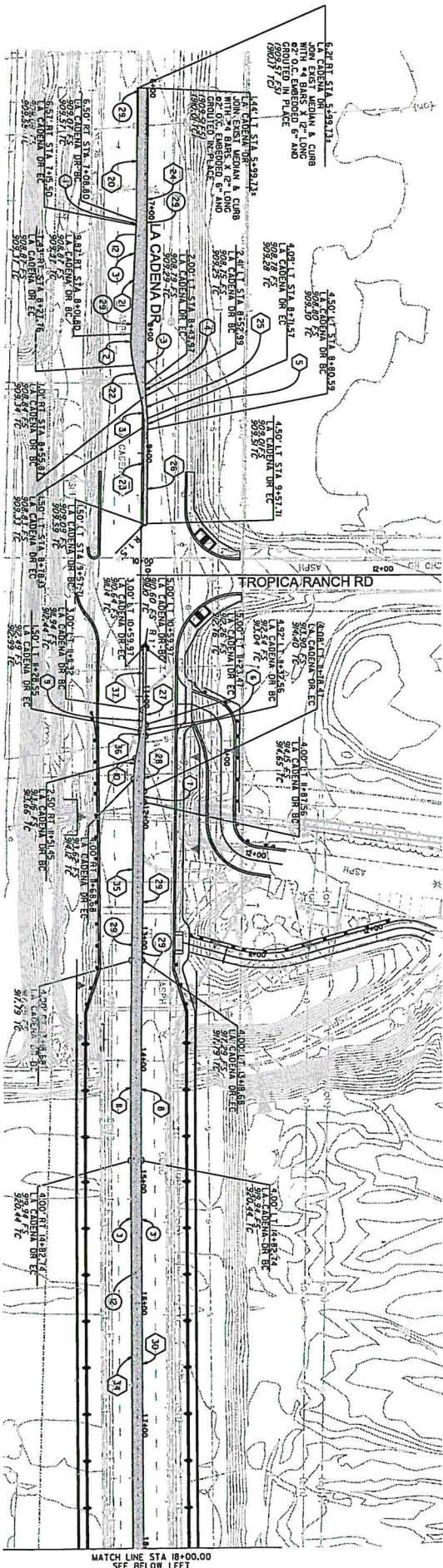
BENCHMARK
CITY OF COLTON, CA
ELEVATION: 916.82
A BENCHMARK WAS ESTABLISHED BY THE CITY OF COLTON, CA, IN 1971. THE BENCHMARK IS A CONCRETE PILE DRIVEN INTO THE GROUND AND IS USED AS A REFERENCE POINT FOR ALL SURVEYING WORK.



PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120
ONTARIO, CA 91761

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
CITY OF COLTON, CA
DATE: 04/24/13
PROJECT: SBFCFCD ACCESS RD
SHEET NO.: 1305-1

LA CADENA DRIVE OVER
STREET IMPROVEMENT PLAN
DETAILS
SHEET 8 OF 24



CURVE DATA

No.	R	Δ	T	L
1	100.00'	02°16'31"	1.98'	3.56'
2	100.00'	02°16'31"	1.98'	3.56'
3	100.00'	02°16'31"	1.98'	3.56'
4	100.00'	02°16'31"	1.98'	3.56'
5	100.00'	02°16'31"	1.98'	3.56'
6	100.00'	02°16'31"	1.98'	3.56'
7	100.00'	02°16'31"	1.98'	3.56'
8	100.00'	02°16'31"	1.98'	3.56'
9	100.00'	02°16'31"	1.98'	3.56'
10	100.00'	02°16'31"	1.98'	3.56'
11	100.00'	02°16'31"	1.98'	3.56'
12	100.00'	02°16'31"	1.98'	3.56'

LINE DATA

LINE	BEARING	LENGTH
1	N01°33'13"E	10.44'
2	N03°46'46"E	89.23'
3	N05°09'46"W	28.33'
4	N01°42'40"E	73.56'
5	N01°41'03"E	24.03'
6	N02°15'52"E	17.22'
7	N01°42'40"E	63.50'
8	N05°45'07"E	45.32'
9	N01°42'40"E	50.28'
10	N05°46'06"E	85.44'
11	N05°22'05"E	15.13'
12	N05°46'06"E	65.07'
13	N01°42'40"E	50.00'
14	N01°38'14"E	23.24'
15	N01°42'40"E	51.34'

CONSTRUCTION NOTES

1. CONSTRUCT 6" TRAFFIC ISLAND CURB ONLY PER CITY OF
2. CONSTRUCT 6" THICK STAMPED CONCRETE MEDIAN PAVEMENT.
3. COLOR AND PATTERN TO MATCH EXISTING.
4. REPAIR EXISTING PCC CURB.



NOTE
CONTRACTOR TO VERIFY LOCATION
AND DEPTH OF EXISTING UTILITIES
PRIOR TO BEGINNING CONSTRUCTION

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GEOTECHNICAL ENGINEER
SERRI ENGINEERING, INC.
17800 NICHOLS STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3428
FAX: (714) 751-3228

Underground Service Alert
Call: TOL FREE
1-800
422-4133
TWO MINING DATA SERVICE TOL FREE

BENCHMARK
CITY OF COLTON
17800 NICHOLS STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3428
FAX: (714) 751-3228

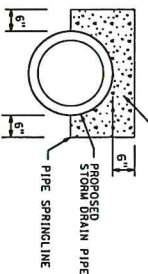


PREPARED BY:
JACOBS
3257 E. GULST ROAD
SUITE 120
ONTARIO, CA 91761

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
DATE: 10/24/11
BY: [Signature]
CHECKED BY: [Signature]
STREET IMPROVEMENT PLAN
SHEET 24 OF 24

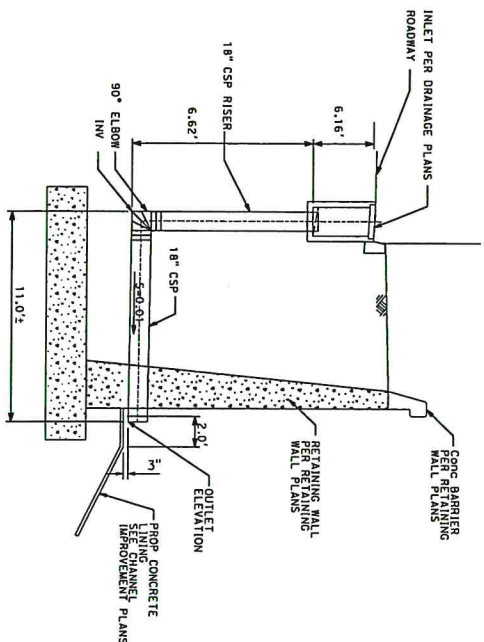
N.T.5.

CLASS "B"
CONCRETE



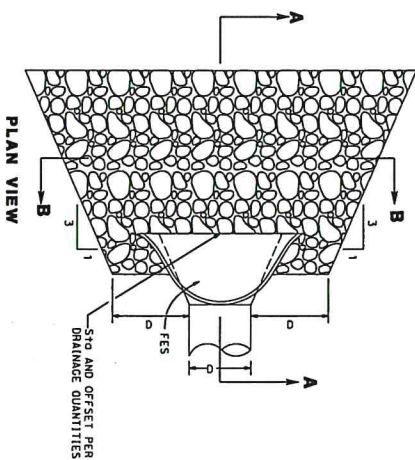
N.T.S.

STATION OFFSET

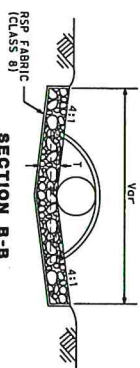


N.T.S.

1. FOR FES DIMENSIONS SEE CALTRANS STD PLANS D94A AND D94B
2. ANY ROCK SLOPE PROTECTION SHALL BE NATURAL EXISTING IRREGULAR FORM, COLOR AND CHARACTER OF THE EXISTING ROCK OUTCROPPINGS.

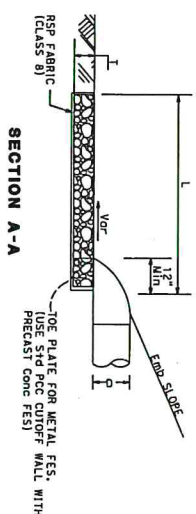


PLAN VIEW



SECTION B-B

CLASS OF RSP	L(FT)	T(FT)
1/4 TON	70	3.5



SECTION A-A

FLARED END SECTION/FREE OUTLET

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EARTH MECHANICS, INC.
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FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928

Underground Service Alerts
Call: TOLL FREE
1-800
422-4133

BENCHMARK
CITY OF COLORED BENCH MARK 703-2
CLY - 809.840 FET (MCO 70)

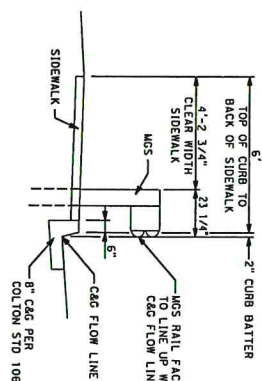
PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120

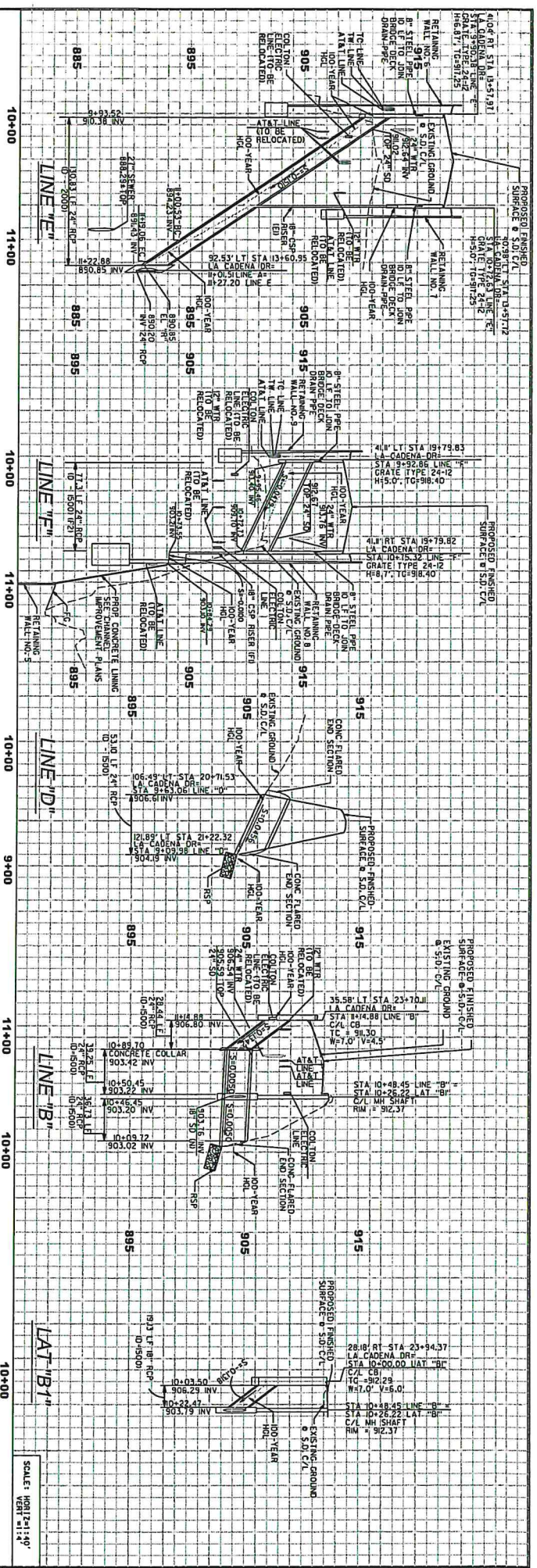
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ELECTION
NAME: VICTOR ORTIZ, P.L.
R.C.E. 73948
DATE: 04/20/11

REVISIONS	DATE	APPROV
LA CADENA DRIVE OVER BARTTA AND RIVER BRIDGE REPLACEMENT PROJECT STREET IMPROVEMENT PLANS	NOV 21-2017	

MG8 PLACEMENT DETAIL

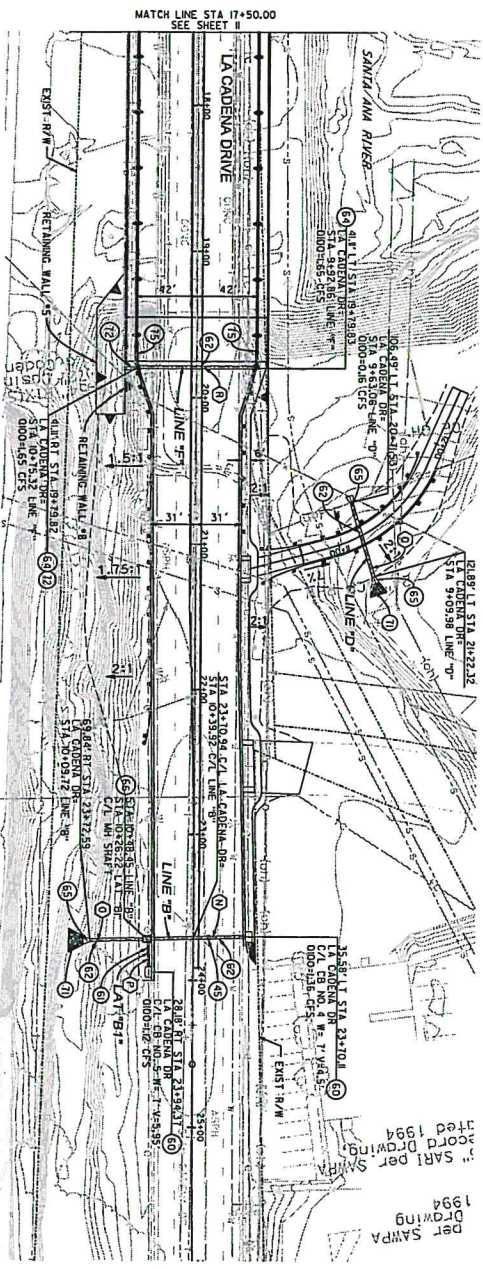
NOTE:
FOR MGS's NOT LOCATED ALONG CURB AND GUTTER
(AT THE 2 SB/FC/D ACCESS ROADS), SEE TYPICAL
SECTIONS ON SHEET 4 FOR MGS PLACEMENT





LINE DATA

LINE	BEARING	LENGTH
1	N61°34'23"W	54.82'
2	N61°34'23"W	35.6'
3	N61°34'23"W	11.48'
4	N61°34'23"W	53.08'
5	N61°34'23"W	77.27'



NOTE
CONTRACTOR TO VERIFY LOCATION
AND DEPTH OF EXISTING UTILITIES
PRIOR TO BEGINNING CONSTRUCTION

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EARTH MECHANICS, INC.
17800 NEWPORT STREET, SUITE B
POUNTAIR VALLEY, CA 92708
FAX: (714) 751-3928

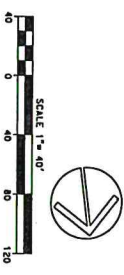
Underground Service Alert
Call: 1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
CITY OF COLTON BENCH MARK
1-800
422-4133
A BENCHMARK HAS BEEN LOCATED
AT THE INTERSECTION OF
LA CADENENA DRIVE AND
SANTA ANA RIVER. THE BENCHMARK
IS A 12" DIA. CONCRETE PIPER
WITH AN IRON ROD INSIDE.

PREPARED BY:
JACOBS
3257 E. GILBERT ROAD
SUITE 120
ONTARIO, CA 91761

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
DATE: 04/24/17
DESIGNED BY: JACOB
CHECKED BY: JACOB
DATE: 04/24/17
PROJECT: IMPROVEMENT PLAN
FOR LA CADENENA DRIVE
FROM STA 10+00 TO STA 11+00
SHEET 128 OF 24

- CONSTRUCTION NOTES**
- CONSTRUCT CONCRETE COLLAR PER SPEC STD PLAN NO 300-4
 - CONSTRUCT CURB AND GUTTER PER CITY OF COLTON STD 200
 - WITH TRINITY CATCH BASIN PER TYPE TRACT INSERTS OR APPROVED EQUAL
 - CONSTRUCT 24" RCP 10-100 PER PLAN
 - CONSTRUCT TYPE 25' RCP WITH INTERIOR GUTTER PER CITY OF COLTON STD 200
 - CONSTRUCT 24" RCP 10-100 PER PLAN
 - CONSTRUCT CONCRETE FLARED END SECTION
 - CONSTRUCT STORMWATER MANHOLE PER CITY OF COLTON STD 200
 - CONSTRUCT ROCK SLOPE PROTECTION, 1/4 TON PER DETAIL SHEET D
 - CONSTRUCT 24" RCP RISE PER WALL DETAIL ON SHEET D
 - CONSTRUCT 24" RCP RISE PER WALL DETAIL ON SHEET D



3. COLTON POWER POLES/ON ELECTRIC SHALL NOT BE REMOVED/RELOCATED UNTIL CITY OF COLTON ELECTRIC RE-HOUTES CIRCUIT.

A1A1 - AMERICAN TELEPHONE AND TELEGRAPH
 AIR VAC - AIR VACUUM
 COLTON - CITY OF COLTON
 CULC - CEMENT MORTAR LINED & CONCRETE
 OH - OVERHEAD
 PP - POWER POLE
 UN - UNKNOWN
 RM - REINFORCED CONCRETE PIPE
 R/W - RIGHT OF WAY
 SBAND - SAN BENITO COUNTY MUNICIPAL
 SEC - SOUTHERN CALIFORNIA Edison
 TW - TIME WARNER

- 39 INSTALL COLTON 578X57 ELECTRIC PULL BOX
- 40 RELOCATE COLTON ON ELECTRIC 4 - 5" CONDUIITS TO BRIDGE CELL AND UNDERGROUND
- 41 INSTALL COLTON 974X ELECTRIC VALVE WITH APPURTENANCES
- 42 REMOVE COLTON POWER POLE
- 43 REMOVE COLTON GUY POLE
- 44 ADJUST MANHOLE TO FINISH GRADE



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Underground Service Alert



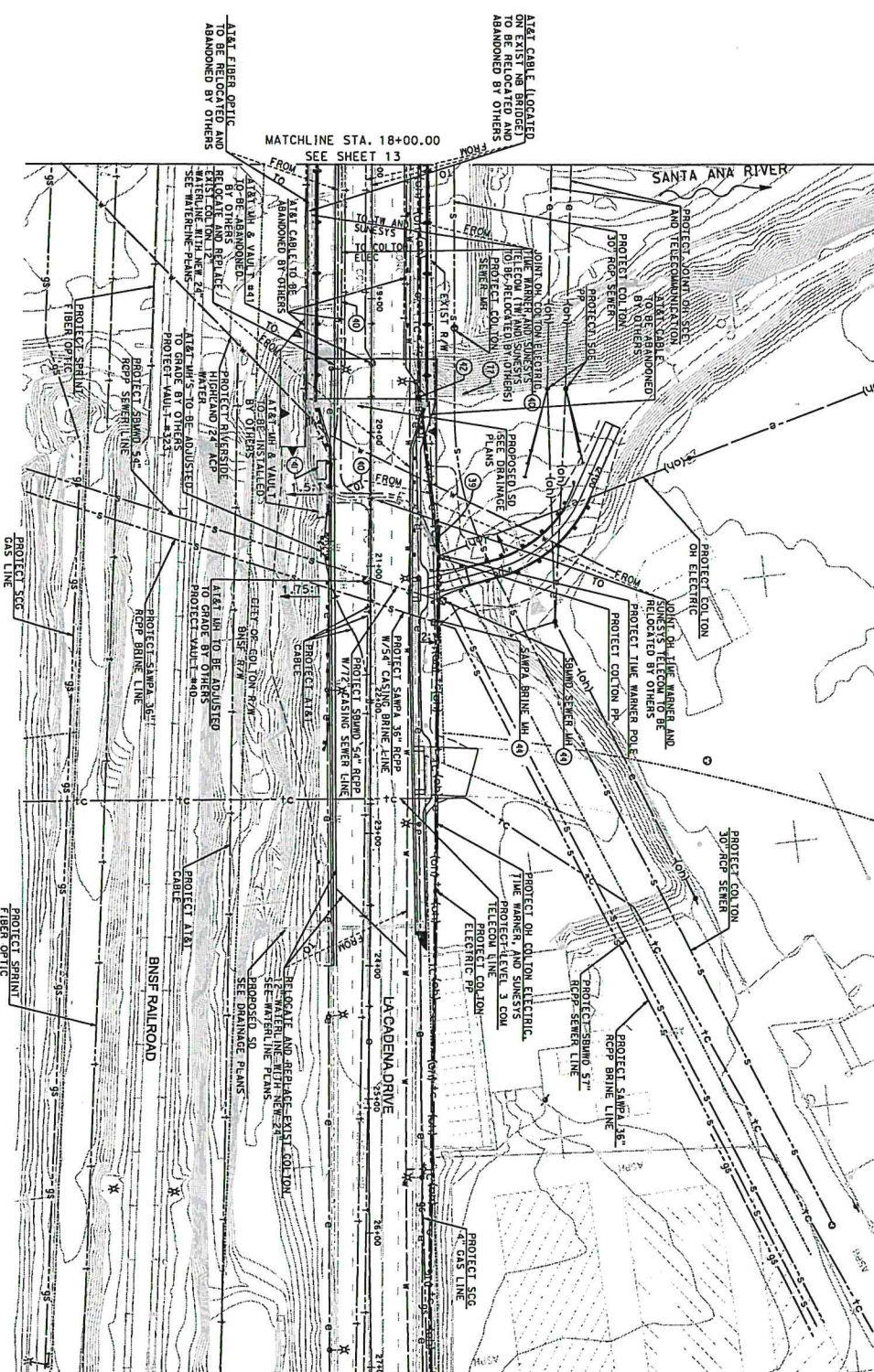
Call: TOLL FREE
1-800
422-4133

CITY OF COLTON	
PUBLIC WORKS DEPARTMENT	
CITY LOCATION	
MAIL: VECTOR CRTG. P.L.	OFFICE OF
A/C: 7348	

[illegible]

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PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120

[illegible]

GENERAL NOTES

1. SEE ELECTRICAL PLANS FOR EXISTING AND NEW LIGHTING

2. SEE DRAINAGE PLANS FOR STORM DRAIN SYSTEM.
3. COLTON POWER POLES/ON ELECTRIC SHALL NOT BE REMOVED/RELOCATED UNTIL CITY OF COLTON ELECTRIC RE-ROUTES CIRCUIT.

CONSTRUCTION NOTES

- 39 INSTAL. COLTON 5X1/5, ELECTRIC PULL BOX
- 40 RECALCULATE COLTON ON ELECTRIC 4 - 5" CONDUITS TO BRIDGE CELL
AND UNDERGROUND
- 41 INSTAL. COLTON 5X1/4 ELECTRIC VALVE WITH APPURTENANCES
- 42 REMOVE COLTON POWER POLE
- 43 ADJUST WAX WAX TO FRESH GRADE
- 44 REMOVE INTERFERING PORTION OF ABANDONED WATERLINE

ABBREVIATIONS

A11T - AMERICAN TELEPHONE AND TELEGRAPH
 AIR VAC - AIR VACUUM
 COLTON - CITY OF COLTON
 CHALK - CEMENT MORTAR LINED & CONCRETE
 PH - OVERHEAD
 MH - MANHOLE
 R/C - REINFORCED CONCRETE PIPE
 R/P - RIGHT OF WAY
 SABA - SANTA ANA WATERSHED PROJECT AUTHORITY
 SBAID - SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
 SEC - SOUTHERN CALIFORNIA Edison
 IV - TIDE GAUGE

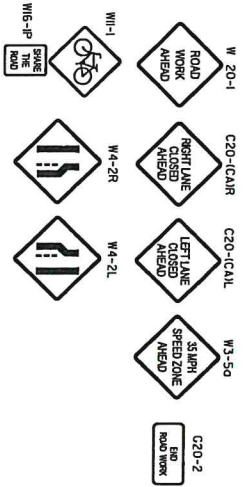
UTILITY OWNERSHIP

[illegible]

CITY OF COLTON



CONSTRUCTION AREA SIGN TABLE						
SIGN NO.	SIGN	STAGE 1	STAGE 2	STAGE 3A	STAGE 3B	STAGE 4
1D	W20-1	X	X	X	X	X
2	C20-ICALL	X				X
3	W3-5G	X	X			X
4	WH-1	X	X	X	X	X
5	WH-P	X	X	X	X	X
6	W4-2L	X		X	X	X
7	G20-2	X		X		X
8	C20-ICAR		X			
9	W4-2R	X	X			
10	W4-2L	X	X			
11	C20-ICALL					
12	C20-ICAR		X			
13	W4-2R			X		X
14	C20-ICALL			X		X
15	W4-2L			X		X



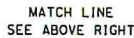
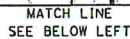
NOTE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

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[illegible]

1. REMOVE EXISTING RAISED AC MEDIAN ISLANDS.
2. INSTALL AC PAVEMENT TO MATCH EXISTING WITHIN REMOVED MEDIAN.
3. CLOSE INSIDE LANE IN EACH DIRECTION, OUTSIDE LANE IN EACH DIRECTION, TO REMAIN OPEN FOR ONE LANE OF TRAFFIC IN EACH DIRECTION.
4. SEE CONSTRUCTION AREA SIGN PLANS SHEET 15 FOR ADDITIONAL LONG TERM TEMPORARY TRAFFIC CONTROL SIGNS.

1. CONSTRUCT RAISED MEDIAN ISLANDS PER IMPROVEMENT PLANS.
2. CLOSE INSIDE LANE IN EACH DIRECTION, OUTSIDE LANE IN EACH DIRECTION TO REMAIN OPEN FOR ONE LANE OF TRAFFIC IN EACH DIRECTION.
3. SEE CONSTRUCTION AREA SIGN PLAN SHEET 15 FOR ADDITIONAL LONG TERM TEMPORARY TRAFFIC CONTROL SIGNS.



CONSTRUCTION LAY DOWN AREA AND
CONSTRUCTION ACCESS RAMP TO CHANNEL

④

८८

OF COSTS

2. P.L.

1505-1

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17800 NEMHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-5826
FAX: (714) 751-3928

Call: TOLL FREE
1-800
422-4133

BENCHMARK
OF COTTON BENCH MARK 703-2
- BOWMAN FLEE (ACRO 70)

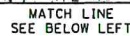
JACOBS
3257 E. GUASTI ROAD
SUITE 120

CITY OF COLLEGE
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
VICTOR ORTEGA, P.E.
72848
DRAFTS

LA CADENA DE
BAYTA AKA FT
BRIDGE REFUGIARIUM
BIMEST LAMONDA

[illegible]

1. SHIFT TWO-WAY AFFRIT TO WEST SIDE OF LA CADENA DRIVE OVER BRIDGE WITH ONE LANE IN EACH DIRECTION.
2. UTILIZE CONSTRUCTION LAY DOWN AREA FOR CONSTRUCTION ACCESS TO CHANNEL, FOR BRIDGE AND SANTA ANA RIVER CROSSING.
3. IMPROVE CONSTRUCTION IN NORTHWEST QUADRANT OF LA CADENA DRIVE BRIDGE.
4. TEMPORARY INTERFERING STRIPING WILL BE NEEDED BETWEEN STAGES AND TO COMPLETE FINAL STRIPING.
5. SEE CONSTRUCTION AREA SIGN PLAN SHEET 15 FOR ADDITIONAL LONG TERM TEMPORARY CONSTRUCTION AREA SIGNS.
6. START DETOUR PLANNING (START) CLOSED AT LA CADENA DRIVE DURING THIS STAGE. FOR START DETOUR, SEE START DETOUR PLAN SHEET 22.



—SANTA ANA RIVER TRAIL (SART)
CLOSED DURING THIS STAGE
SEE NOTE 6

NOTE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

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GEOTECHNICAL ENGINEER:

17800 NEWHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3926
FAX: (714) 751-3928

Underground Service Alert

Call: TOLL FREE
1-800
422-4133

BENCHMARKS

OF COLTON BUNCH WARE 703-2
- 803/810 FILE (MCMO 70)

PREPARED BY:

JACOBS
3257 E. GUASTI ROAD
SUITE 120

CITY OF COLTON

CITY OF CHICAGO
VICTOR ORTEGA, P.L.
73648
OFFICE: 06/20/1

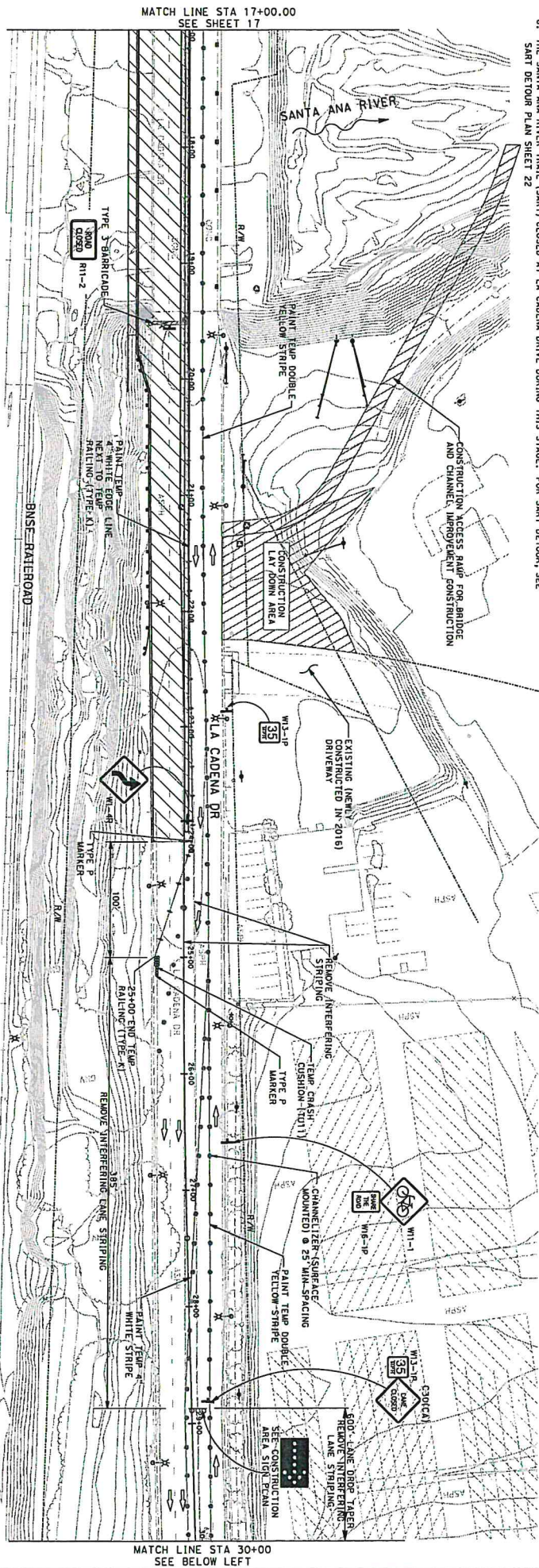
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LA CAJENA DRIVE OVER
BAYTA ANA RIVER
INDO REPLACEMENT PROJECT
CIVIL ENGINEERING PLANS

[illegible]

DATE	APPRO.
RECEIVED	
RECEIVED	
RECEIVED	

1. SHIFT TWO-WAY AFFRICK TO WEST SIDE OF LA CADENA DRIVE OVER BRIDGE WITH ONE LANE IN EACH DIRECTION
2. UTILIZE CONSTRUCTION LAY DOWN AREA AND CONSTRUCTION ACCESS TO CHANNEL FOR BRIDGE CONSTRUCTION AND CHANNEL IMPROVEMENT CONSTRUCTION IN NORTHWEST QUADRANT OF LA CADENA DR BRIDGE AND SANTA ANA RIVER CROSSING
3. CONSTRUCTION ROADWAY IMPROVEMENTS AND NEW BRIDGE FOR LA CADENA DR.
4. TEMPORARY INTERFERING STRIPING WILL BE REMOVED BETWEEN STAGES AND TO COMPLETE FINAL STRIPING
5. SEE CONSTRUCTION AREA SIGN PLAN SHEET 15 FOR ADDITIONAL LONG TERM TEMPORARY CONSTRUCTION AREA SIGNS.
6. THE SANTA ANA RIVER TRAIL (SART) CLOSED AT LA CADENA DRIVE DURING THIS STAGE. FOR SART DETOUR, SEE SART DETOUR PLAN SHEET 22



CONTRACTOR TO VERIFY LOCATION
AND DEPTH OF EXISTING UTILITIES
PRIOR TO BEGINNING CONSTRUCTION

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CARTRIDGE MECHANICS, INC.
17800 NEWHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928

Call-TOLL FREE
1-800
422-4133

OF COITON BENCH MARK 703-2
- 8092440 FULT (NEND 28)
UNOALD SAN BERNARDINO COUNTY
TOWN'S BRASS DISC SET IN THE

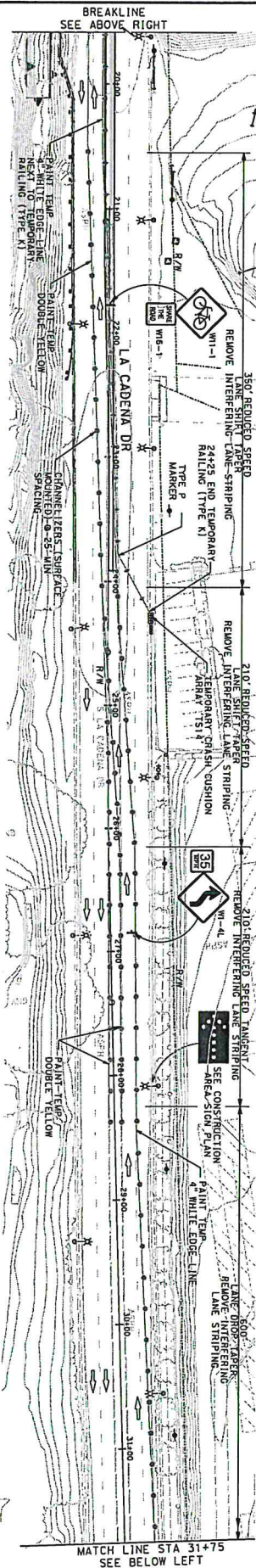
JACOBS
3257 E. GUASTI ROAD
SUITE 120

PUBLIC WORKS DEPARTMENT
CITY OF OKLAHOMA
VICTOR GARCIA, P.E.
72848
DRAFTS: 06/20/11

REPLACEMENT

DATE	APPR.
BOUT	
BOUT	
BOUT	

- [illegible]

[illegible]

EARTH MECHANICS, INC.
17800 NEWHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928

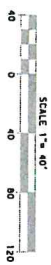
Underground Service Alert

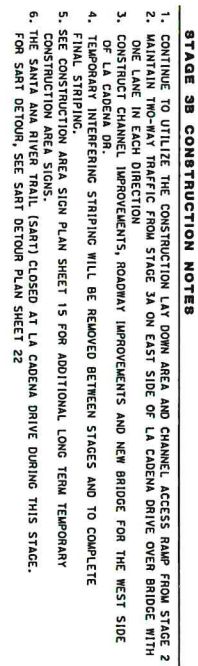
Call: TOLL FREE
1-800
422-4133

BENCHMARK

PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
MAIL: VECTOR CRTG., P.L.
R.C.D. 73848
OFFICE: 04/20/

[illegible]



SCALE 1" = 40'

Age Group	No	Small	Medium	Large
40	~45%	~35%	~15%	0%
60	~35%	~45%	~15%	~5%
80	~25%	~55%	~15%	~5%
120	~15%	~65%	~15%	~5%

96% P8AE SUBMITTAL
FOR INTERNAL USE ONLY
NOT FOR CONSTRUCTION

EARTH MECHANICS, INC.
17800 NEWHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928


Call: TOLL FREE
1-800
422-4133

CITY OF COLTON BENCH MARK 703-2
ELEV = 1091.00 FEET (MCHD 29)
A STANDARD SAN BERNARDINO COUNTY
SURVEYOR'S BRASS DISC SET IN THE

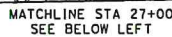
JACOBS
3257 E. GUASTI ROAD
SUITE 120

PUBLIC WORKS DEPARTMENT
CITY OF CHICAGO
DATE: 04/20/11
PROJECT: 25448
NAME: VICTOR ORTIZ, P.E.
R.C.D.

LA CADENA DRIVE OVER
BAYTA AYA RIVER
BRIDGE REPLACEMENT PROJECT
STREET IMPROVEMENT PLANS

DATE	APRIL
RECEIVED	
NOV 1967	
03-08-17	

1. CONTINUE TO UTILIZE CONSTRUCTION LAY DOWN AREA AND CHANNEL ACCESS RAMP FROM STAGE 2
2. MAINTAIN TWO-WAY TRAFFIC FROM STAGE 3A ON EAST SIDE OF LA CODEMA DRIVE OVER BRIDGE WITH ONE LANE IN EACH DIRECTION
3. CONSTRUCT CHANNEL IMPROVEMENTS, ROADWAY IMPROVEMENTS AND NEW BRIDGE FOR THE WEST SIDE OF LA CODEMA DR.
4. TEMPORARY INTERCHANGING STRIPING WILL BE REMOVED BETWEEN STAGES AND TO COMPLETE FINAL STRIPING.
5. SEE CONSTRUCTION AREA SIGN PLAN SHEET 15 FOR ADDITIONAL LONG TERM TEMPORARY CONSTRUCTION AREA SIGNS.
6. THE SANTA ANA RIVER TUNNEL (SART) SHEET 15 FOR ADDITIONAL LONG TERM TEMPORARY CONSTRUCTION AREA SIGNS.



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FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928

Call: TOLL FREE
1-800
422-4133

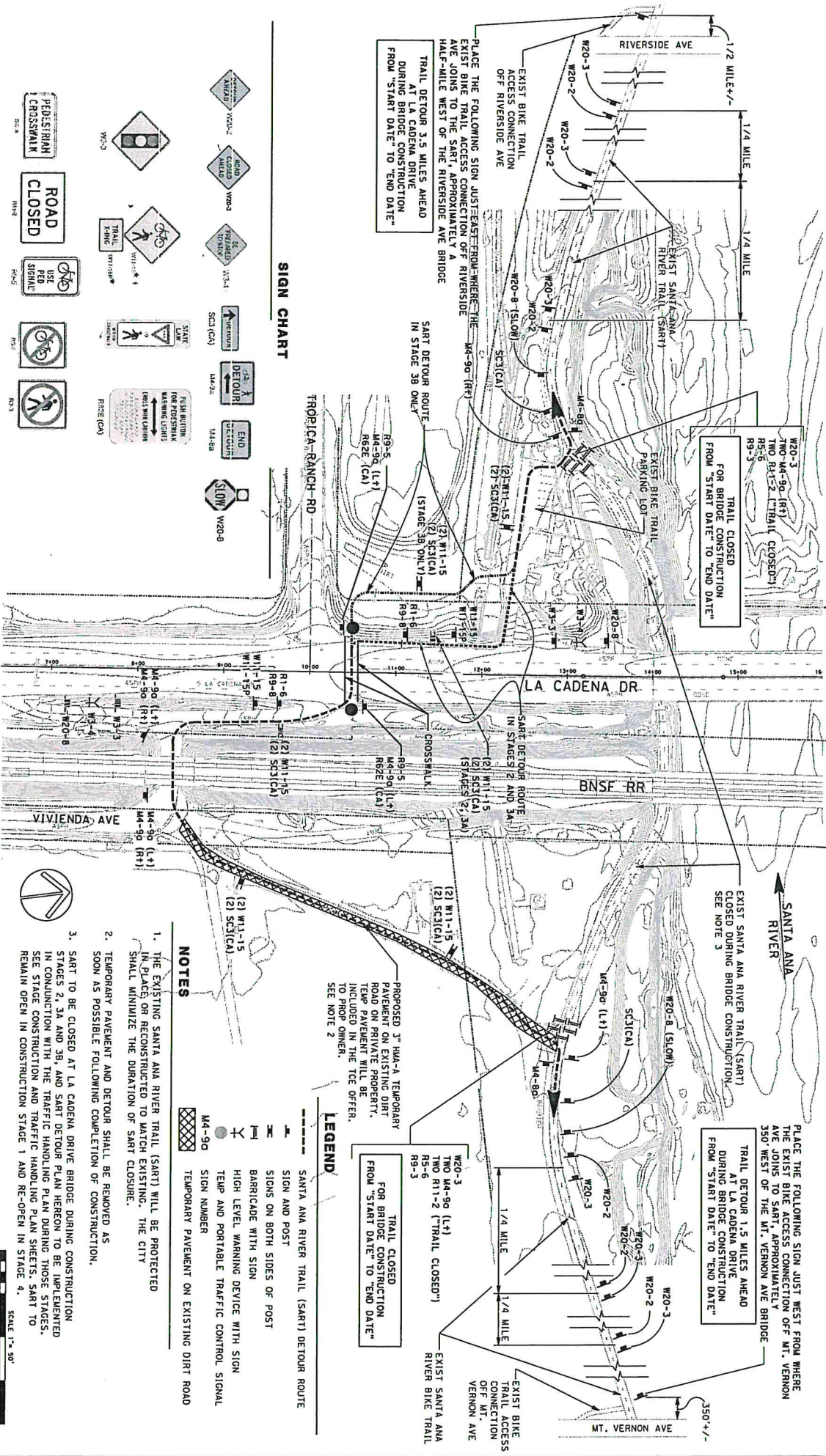
BENCHMARK
CITY OF COLUMBIA BENCH UNIT 703--2
LEV. = 669.84 FEET (NAD 83)
A STANDARD SURVEYING COUNTY
SURVEYOR'S BRASS DISC SET IN THE
TOP OF THE NORTH ABUTMENT
OF A ALAST RAILWAY STEEL CROSSING
BENCH CROSSING THE SANTA ANA RIVER

JACOBS
3257 E. GUASTI ROAD
SUITE 120
ONTARIO, CA 91761

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY LOCATION
NAME: VICTOR ORT, P.L.
RCE: 72448
EXPENSES
ACCEPTED: _____ DATE: _____
PLAN NO. 1305-1

LA CADERA DRIVE OVER
BARTIA VAL TRER
BRIDGE REPLACEMENT THRU
STREET IMPROVEMENT PLAN
STAGE CONSTRUCTION AND
TRAFFIC HANDLING PLAN

	Date	Appr.
	Built	
	Area	
	CPI	
	608 53-09-17	



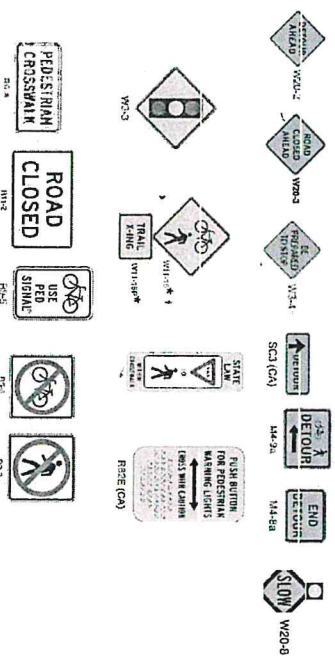
TRAIL DETOUR 3.5 MILES AHEAD
AT LA CADENA DRIVE
DURING BRIDGE CONSTRUCTION
FROM "START DATE" TO "END DATE"

**TRAIL CLOSED
FOR BRIDGE CONSTRUCTION
FROM "START DATE" TO "END DATE"**

PLACE THE FOLLOWING SIGN JUST WEST FROM WHERE THE EXIST BIKES CONNECTION OFF MT. VERNON AVE JOINS TO SARI, APPROXIMATELY 350' WEST OF THE MT. VERNON AVE BRIDGE—

TRAIL DETOUR 1.5 MILES AHEAD
AT LA CADENA DRIVE
DURING BRIDGE CONSTRUCTION
FROM "START DATE" TO "END DATE"

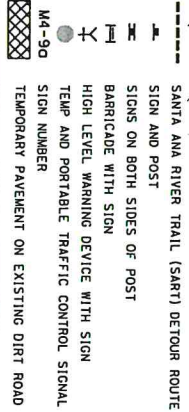
SIGN CHART



NOTES

1. THE EXISTING SANTA ANA RIVER TRAIL (SART) WILL BE PROTECTED IN PLACE, OR RECONSTRUCTED TO MATCH EXISTING. THE CITY SHALL MINIMIZE THE DURATION OF SART CLOSURE.
2. TEMPORARY PAVEMENT AND DETOUR SHALL BE REMOVED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF CONSTRUCTION,
3. SART TO BE CLOSED AT LA CAÑEÑA DRIVE BRIDGE DURING CONSTRUCTION STAGES 2, 3A AND 3B, AND SART DETOUR PLAN HEREON TO BE IMPLEMENTED IN CONJUNCTION WITH THE TRAFFIC HANDLING PLAN DURING THOSE STAGES. SEE STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN STAGES. SART TO REMAIN OPEN IN CONSTRUCTION STAGE 1 AND RE-OPEN IN STAGE 4.

LEGEND



NOTE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION

06X P8AE SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION

GEOTECHNICAL ENGINEER:
EARTH MECHANICS, INC.
17800 NEWHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928

Underground Service Alert



Call: TOLL FREE
1-800
422-4133

BENCHMARK

REPAIRED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120

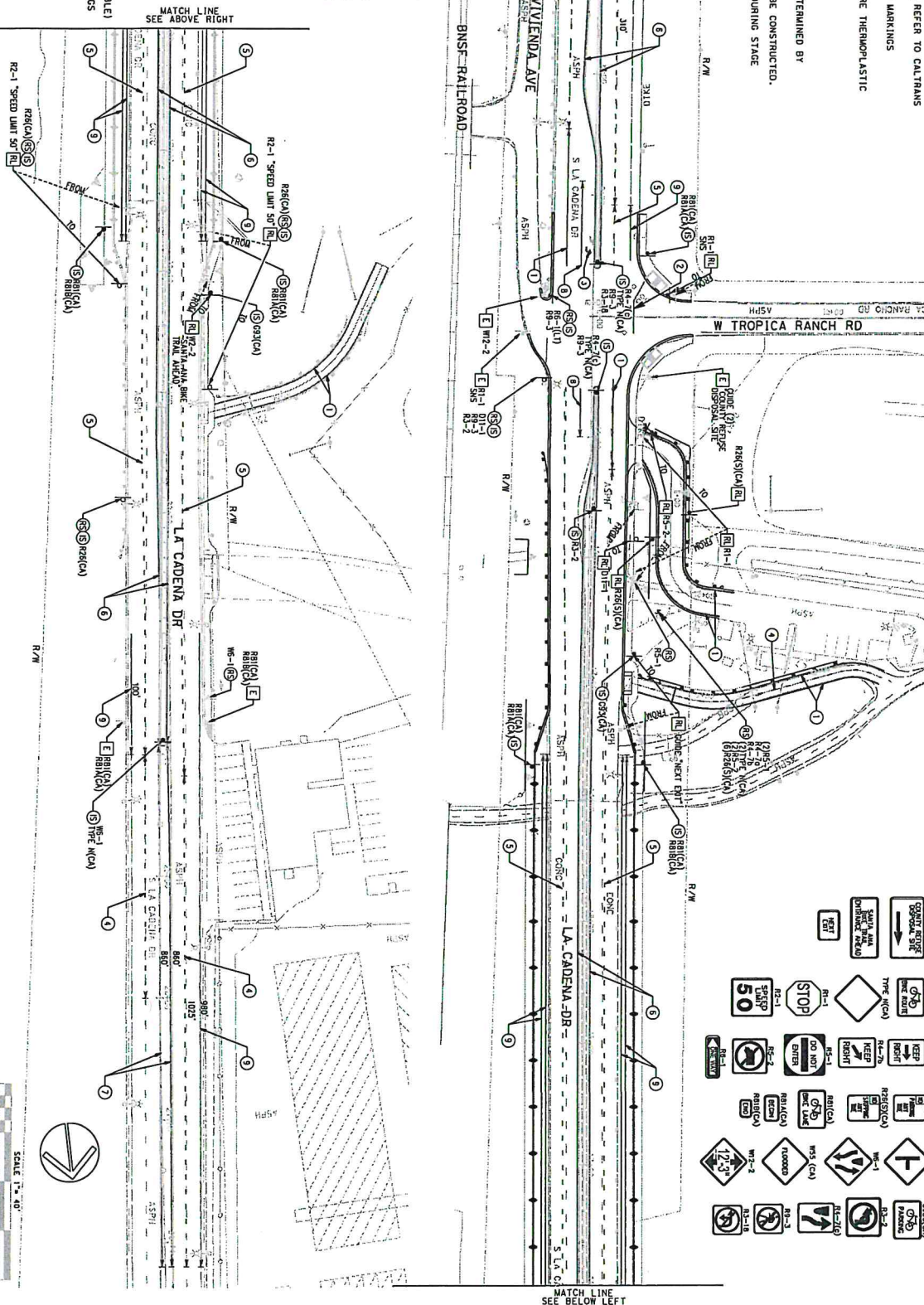
[illegible]

1. STANDARD MARKERS AND TRAFFIC STRIPING/LINES, REFER TO CALTRANS STANDARD PLANS A204, A209, A250, A254 AND A26E.
2. REMOVE ALL COLLECTING TRAFFIC STRIPING, PAVEMENT MARKINGS AND PAVEMENT MARKERS WITHIN THE PROJECT LIMITS.
3. ALL NEW TRAFFIC STRIPING AND PAVEMENT MARKERS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
4. ALL SIGNS SHALL BE PLACED IN PUBLIC R/W
5. PLACE ARROWS 8' BEFORE LIMIT LINE/CROSSWALK.
6. EXACT LOCATION OF PAVEMENT MARKINGS SHALL BE DETERMINED BY ENGINEER.
7. ALL PAVEMENT DELINEATION DETAIL NUMBERS ARE TO BE CONSTRUCTED.
8. REFRESH ALL STRIPING ON LA CADENA DR. AFFECTED DURING STAGE CONSTRUCTION.

- ① INSTALL 4" SOLID WHITE LINE
- ② INSTALL 12" SOLID WHITE LINE
- ③ INSTALL TYPE IV (L) WHITE ARROW PAVEMENT MARKING
- ④ INSTALL 4" WHITE LANE LINE PER CALTRANS DETAIL 9
- ⑤ INSTALL 4" WHITE LANE LINE WITH PAVEMENT MARKERS PER CALTRANS DETAIL 9
- ⑥ INSTALL TYPE H RETROREFLECTIVE MARKERS PER DETAIL 26
- ⑦ INSTALL YELLOW TWO-WAY LEFT TURN LANE LINE PER CALTRANS DETAIL 31
- ⑧ INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 36
- ⑨ INSTALL 6" WHITE BLUE LANE LINE PER CALTRANS DETAIL 36

1	CHANGE IN PAVEMENT Delineation Detail
2	EXISTING SIGN TO REMAIN
3	FURNISH & INSTALL SIGN(S) & POST (IF APPLICABLE)
4	REMOVE EXISTING, CONFLICTING PAVEMENT MARKINGS
5	REMOVE AND SALVAGE SIGN AND POST AS NOTED
6	RELOCATE EXISTING TRAFFIC SIGN
7	STREET NAME SIGN
8	EXISTING SIGN
9	EXISTING SIGN (ON STREET LIGHT)
10	PROPOSED SIGN
11	PROPOSED SIGN (ON STREET LIGHT)

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FOR INTERNAL USE ONLY
NOT FOR CONSTRUCTION**



 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 ONE WAY	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 YIELD	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 YIELD	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 YIELD	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 YIELD	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 YIELD	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 W2-1 YIELD	 W2-1 YIELD	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN	 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN	 R2-206 NO U-TURN
 R2-202 NO LEFT TURN	 R2-201 NO RIGHT TURN									

MATCH LINE
SEE BELOW LEFT

GEOTECHNICAL ENGINEER

Underground Service Alert

PENICILLIN

PREPARED BY

CITY OF COLTON

[illegible]

--	--

17800 NEWHOPE STREET, SUITE B
FOUNTAIN VALLEY, CA 92708

Call: TOLL FREE

CITY OF COLTON EPOCH MARK 703-2

JACOBS

QTY CM

10

REVISIONS

DATE	AMOUNT

FAX: (714) 751-3928

422-4133

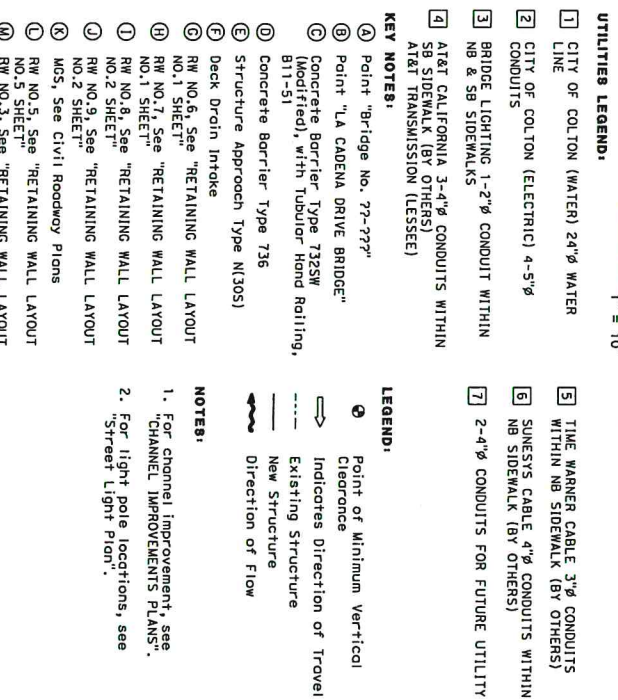
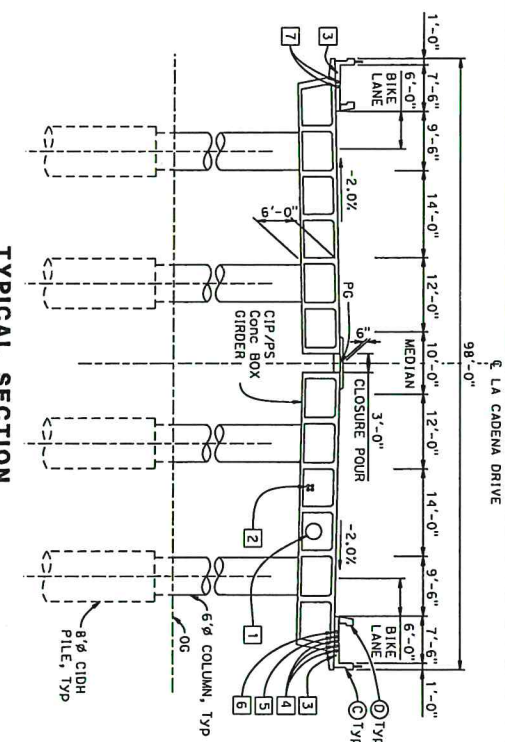
A STANDING SIGN EDUCATING COUNTY
SURREY'S BRASS DISC SET IN THE

SUITE 120

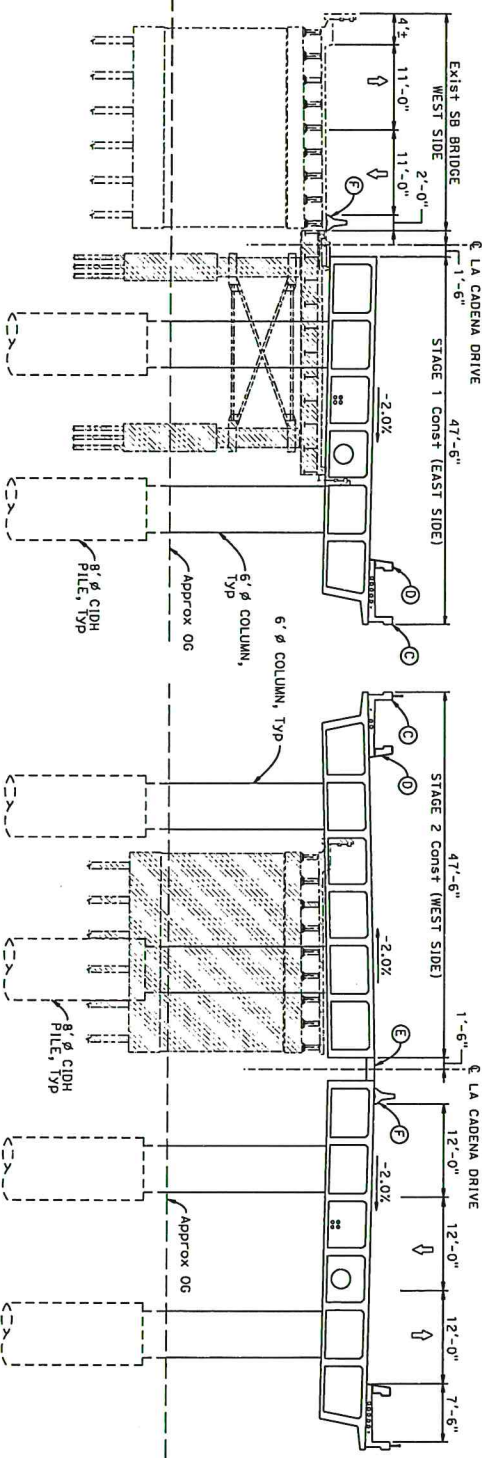
1387

WIDE-AREA DECISION MAKING

9



BRIDGE NO.	77-777
POST MILES	-



TYP SECTION - STAGE 1
1/8" = 1'-0"

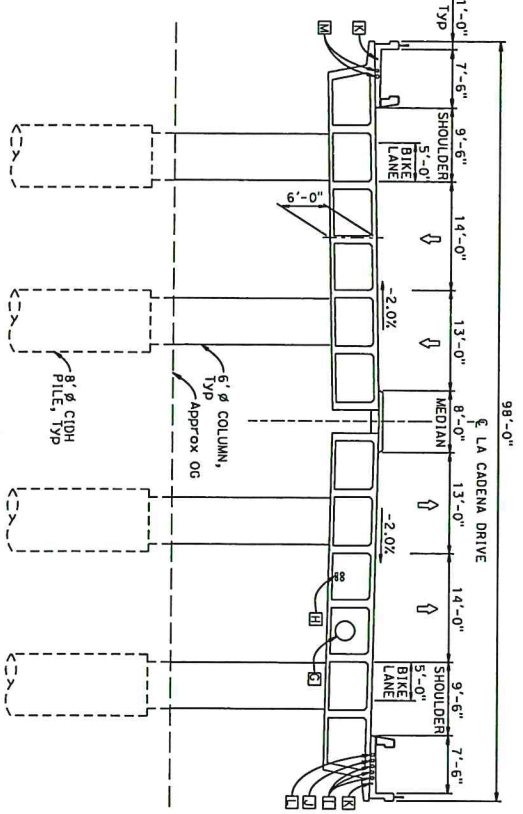
TYP SECTION - STAGE 2
1/8" = 1'-0"

- LEGEND:**
- Indicates existing structure
 - Indicates new structure
 - Indicates direction of travel
 - Indicates Bridge Removal
- KEY NOTES:**
- (C) Concrete Barrier, Type 732SW (Modified), with Tubular Hand Railing, 81.1-51
 - (D) Concrete Barrier, Type 736
 - (E) Closure Pour
 - (F) Temporary Rolling Type K, see note 3 for edge distance and rod connection

UTILITIES LEGEND:

- (G) 2'-0" Water Pipe
- (H) Utility Pipes
- (I) AT&T California Conducts
- (J) Time Warner Cable Conducts
- (K) Bridge Lighting Conducts
- (L) Sunways Cable Conducts
- (M) Conducts for Future Utility

- NOTES:**
1. For pile removal/cut-off, see FOUNDATION PLAN NO. 1 sheet.



TYP SECTION - CONSTRUCTION COMPLETE
1/8" = 1'-0"

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	BY	CHECKED
1					DETAILS	BY	G. SARGO			
2					QUANTITIES	BY				
3					SPEC	BY				



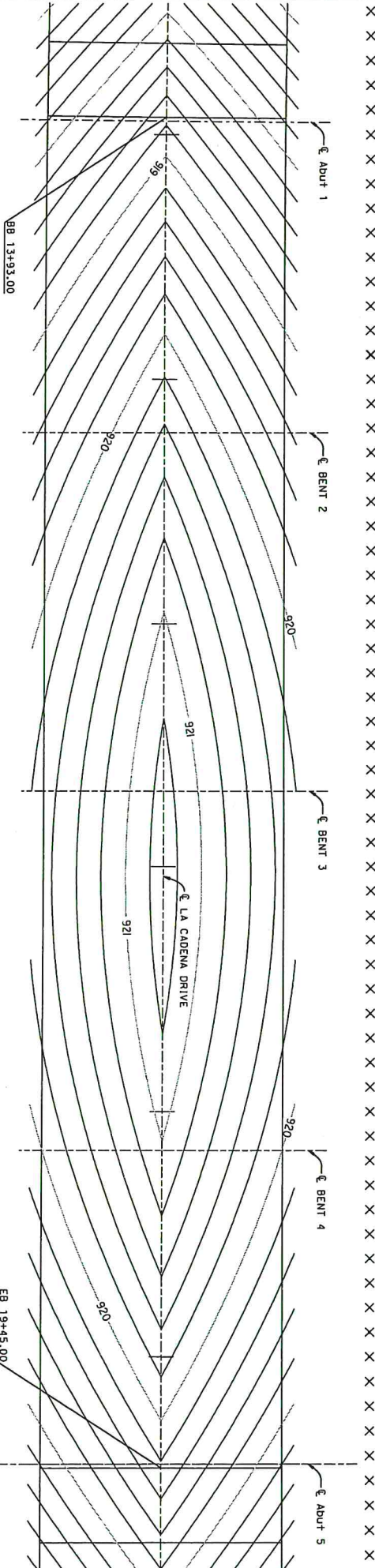
Consulting Engineers, Inc.
300 S. Bascom Avenue, Suite 710
Palo Alto, CA 94306
Tel: 774-1100, Fax: 774-1101

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: _____
H.C.E. 13448 Exp: 06/20/17

**LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
CONSTRUCTION STAGE**

ASDUC NO.	77-777
POST MILES	-
SHEET	1 OF 2

BRIDGE NO.	77-777
POST MILES	-



PLAN
1" = 20'-0"

- NOTES:**
1. Contour interval is 0.2'.
 2. Contours do not include comber.

LEGEND:
X Indicates 10'-0" intervals.

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	QUANTITIES	BY	CHECKED	DATE
1					DETAILS	BY	CHECKED					
2					QUANTITIES	BY	CHECKED					
3					SPCC	BY	CHECKED					



CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: R.C.E.: 7/24/8
Exp: 08/20/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
DECK CONTOURS

PROJECT NO.	77-777
POST MILES	
SHEET	1

SCOUR DATA TABLE

Location	Long Term (Degradation and Contraction) Scour Elevation (ft)	Short Term (Local) Scour Depth (ft)
Abut 1	NA	NA
Bent 2	890.5	19.9
Bent 3	890.5	19.9
Bent 4	890.5	19.9
Abut 5	NA	NA

HYDROLOGIC SUMMARY

	Design Flood	Base Flood
Frequency (Years)	100	100
Discharge (cubic feet/second)	140,000	140,000
Water Surface (Elev at Bridge)	910.55	910.55

NOTES: 1. Santa Ana River (upstream of La Cadena Drive Bridge) drainage area: 787 square miles.

EXISTING UTILITY TABLE

UTILITY	OWNER	DISPOSITION
1 30" RCP Sewer Line	City of Colton	Protect in place
2 12" Water Line	City of Colton	To be relocated
3 Cable Line	AT&T	To be relocated
4 Telephone Line	AT&T	To be relocated
5 Electric Line (OH)	Cotton Electric	Protect in place
6 Telecom Line (OH)	Time Warner	Protect in place
7 24" Water Line	Riverside Highland	To be relocated
8 Electric Line (OH)	SCE	Protect in place
9 Telecom Line	Sprint	Protect in place
10 Telecom Line	Sunrise	Protect in place

CURVE DATA

$$R = 10000'$$

$$\Delta = 0.5624^\circ$$

$$L = 82.036'$$

$$T = 164.06'$$

LEGEND:

- XX-XX Indicates existing Utility
- Indicates bottom of Footing elevation
- Indicates existing structure
- 8'-0" CIDH Piles
- Indicates existing structure removal
- Indicates bent which existing pile to be removed, see note 5

NOTES:

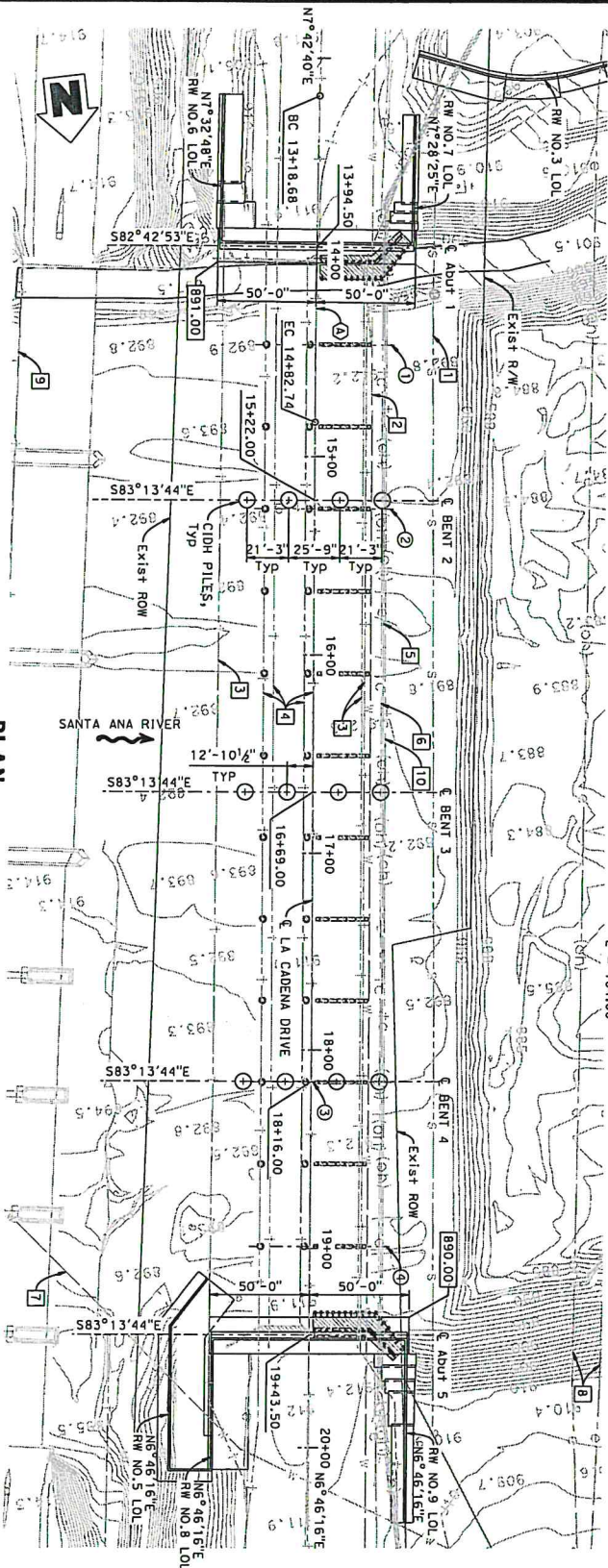
- For Abutment footing size & reinforcement, see "ABUTMENT DETAILS" sheets.
- For Retaining Walls, see "RETAINING WALL DETAILS" sheets.
- For CIDH size & reinforcement, see "BENT DETAILS" sheet.
- For Spread Footing,
 - Controlling load combination is the one resulting in the highest ratio of q_u/q_c for foundations on soil, or q_u/q_r for foundations on rock.
 - Controlling load combination for foundations on soil is the one resulting in the highest ratio of q_u/q_c for foundations on soil, or q_u/q_r for foundations on rock.
 - Controlling load combination for Strength, Construction, and Extreme Event is the one resulting in the highest ratio of q_u/q_c for foundations on soil, or q_u/q_r for foundations on rock.
- Pull out existing piles of four bent locations as shown. The existing piles at other pier locations shall be cut 3'-0" below the existing ground surface.
- The existing piles at abutment locations shall be cut 5'-0" below bottom elevation of the new abutment footing.

BENCHMARK

CITY OF COLTON BENCH MARK 703-2
ELEV = 909.840 FEET (NCVD 29)
A STANDARD SAN BERNARDINO COUNTY SURVEYING DISC SET IN THE TOP OF THE NORTH SIDE OF THE AT&S RAILWAY STEEL JOIST BRIDGE CROSSING THE SANTA ANA RIVER.

PLAN

1" = 30'



VERT DATUM NCVD 29 HORIZ DATUM NDA 83

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	IN CHARGE	CHECKED	DATE
1					DETAILS	BY	C. STRIPPO	CHECKED	
2					QUANTITIES	BY		CHECKED	
3					SPCC	BY		CHECKED	



Consulting Engineers, Inc.
5000 Main Street, Suite 710
Anaheim, CA 92805
Tel: (714) 500-0770 Fax: (714) 500-0688

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: K.C.E. 12848 Exp: 08/20/17

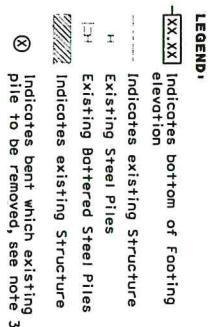
**LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER**

FOUNDATION PLAN NO. 1

PROJECT NO.	77-777
SHEET NO.	1

Location	Pile Type	Nominal Resistance (klps)		Cur-off Elevation (ft)	Design Tip Elevation (ft)	Specified Tip Elevation (ft)
		Compression	Tension			
Bent 2	96" CIDH	3857	862	889	+760 (a)	760
Bent 3	96" CIDH	3857	862	889	+835 (b) +810 (c)	760
Bent 4	96" CIDH	3857	862	889	+780 (d)	760

PILE DATA TABLE



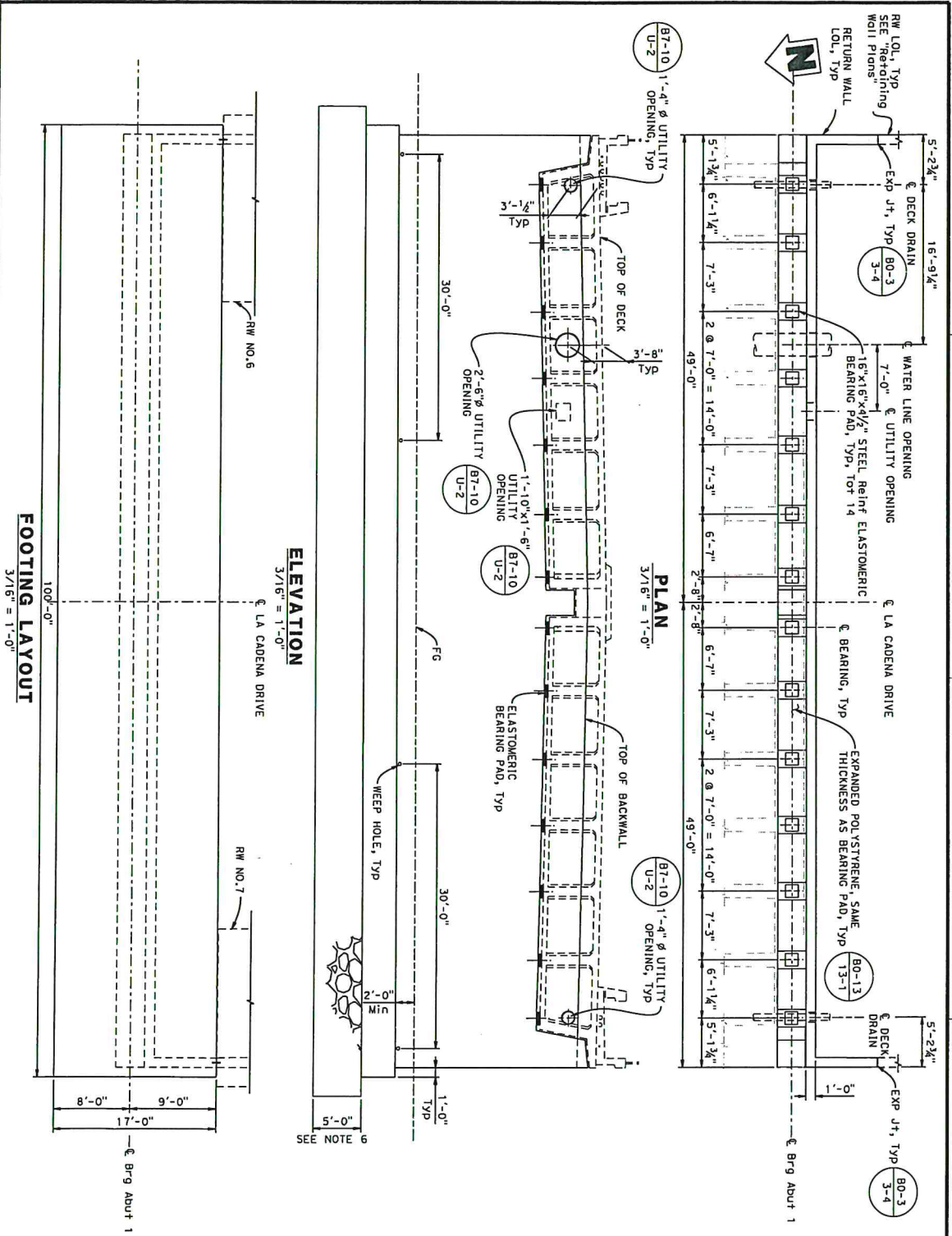
1. Design tip elevations were evaluated for: (a) Compression, (b) Tension, (c) Settlement, and (d) Lateral Load.
2. The specified tip elevations should not be raised above the design tip elevations for settlement and lateral load.
3. Pull out existing piles at four bent locations (see FOUNDATION PLAN NO. 17). The existing piles at locations 1 and 2 should be cut 3'-0" below the existing ground surface.
4. The existing piles at abutment locations shall be cut 5'-0" below bottom elevation of the new abutment footing.

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: _____
R.C.E: 73848
Exp: 06/30/1

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER

FOUNDATION PLAN NO.2

SADCC NO.	
77-777	
POST MILES	
-	
SHEET	OF

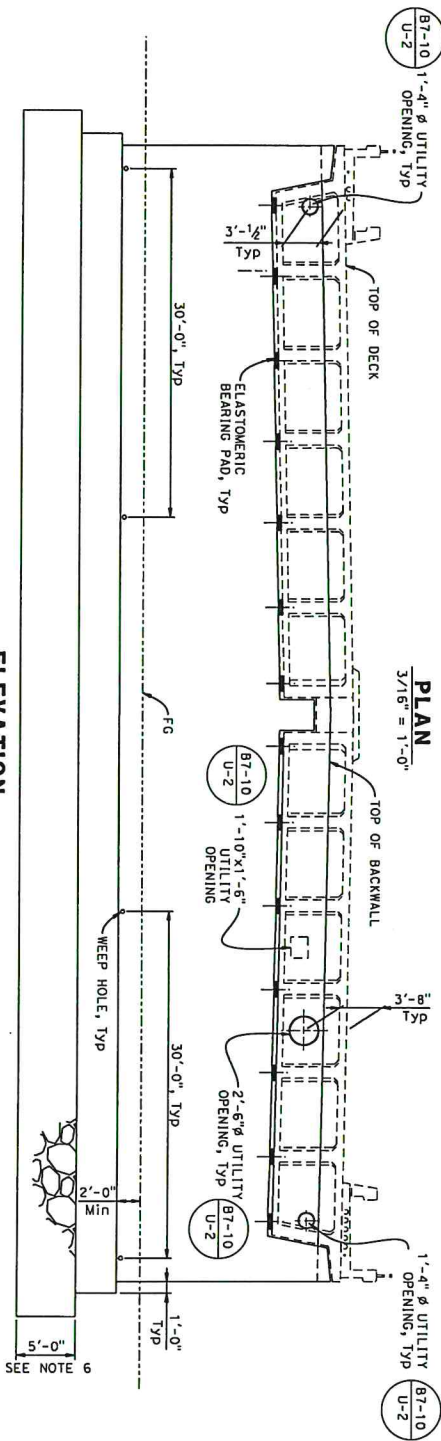


- NOTES:**
1. For Section, see "ABUTMENT DETAILS NO.1" sheet.
 2. For Abutment Shear Key details, see "ABUTMENT DETAILS NO.2" sheet.
 3. For Drainage Outlet details, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
 4. For Deck Drain layout & details, see "DECK DRAINAGE LAYOUT" & "DECK DRAINAGE DETAILS" sheets.
 5. For Bearing Pad details, see "ABUTMENT DETAILS NO.1" sheet.
 6. 5 ft. over excavation and compacted aggregate base, see geotechnical report in construction document package.

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	QUANTITIES	BY	CHECKED	DATE	SPEC	BY	CHECKED	DATE
1					DETAILS	BY	G. ESTEPO	CHECKED								
2																
3																

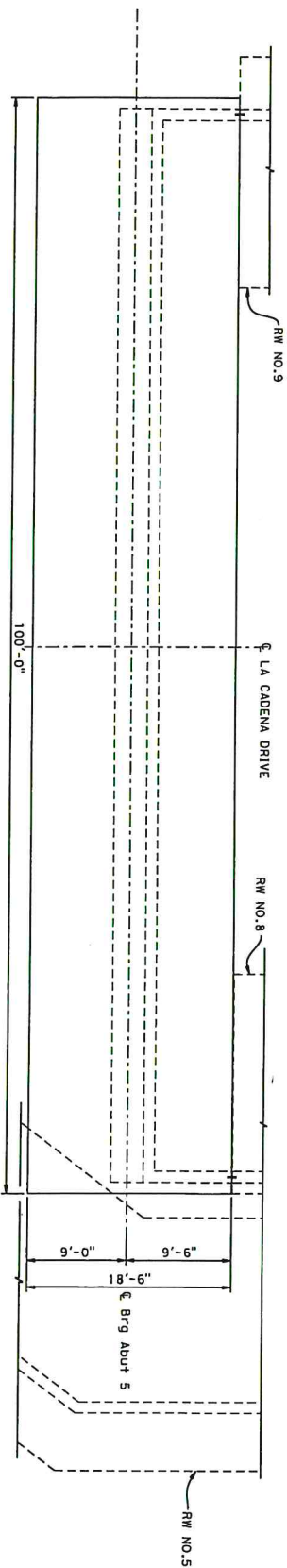
CITY OF COLTON		LA CADENA DRIVE BRIDGE (REPLACE)	
PUBLIC WORKS DEPARTMENT		OVER SANTA ANA RIVER	
City Engineer: Victor Ortiz, P.E.		ABUTMENT 1 LAYOUT	
DATE: 8/20/17		SHEET NO. 77-777	
R.L.C. 13448		POST ILLS	
EXP: 08/20/17		BY	

CONSULTING ENGINEERS, INC.		REGISTERED PROFESSIONAL ENGINEERS	
3001 N. GATEWAY AVE. SUITE 110		NO. 031245	
ARROWHEAD, CA 92008		EXP. 8/20/17	
TEL: 774-1 ENCLAVE		FIRM	



1. For Section, see "ABUTMENT DETAILS NO.1" sheet.
2. For Abutment Shear Key details, see "ABUTMENT DETAILS NO.2" sheet.
3. For Drainage Outlet details, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
4. For Deck Drain layout & details, see "DECK DRAINAGE LAYOUT" & "DECK DRAINAGE DETAILS" sheets.
5. For Bearing Pad details, see "ABUTMENT DETAILS NO.1" sheet.
6. 5 ft over excavation and compacted aggregate base, see geotechnical report in construction document package.

FOOTING LAYOUT
3/16" = 1'-0"



REV	BY	DESCRIPTION	APPROVED	DATE	SECTION	BY	REVISION	DATE	BY	REVISION
1					DETAILS	BY	G. Estepo		DATE	BY
2					QUANTITIES	BY	-		DATE	BY
3					SPIC	BY			DATE	BY



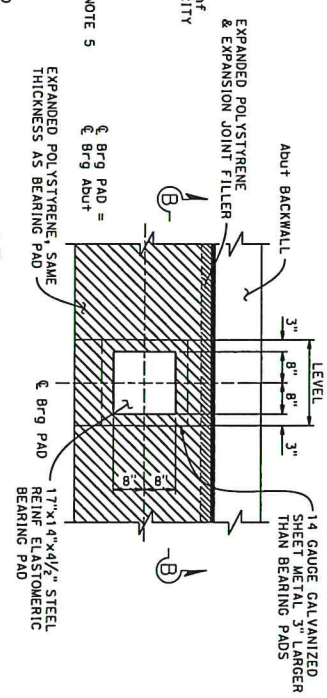
Consulting Engineers, Inc.
300 S Harbor Blvd., Suite 710
Anaheim, CA 92805
Tel 714/415-9100 Fax 714/415-9106

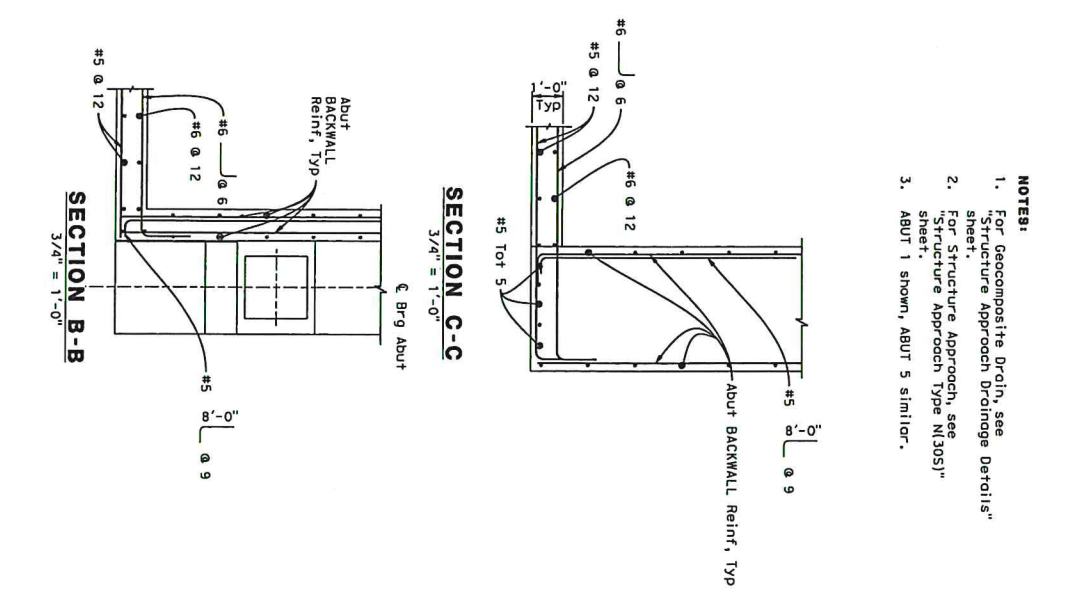
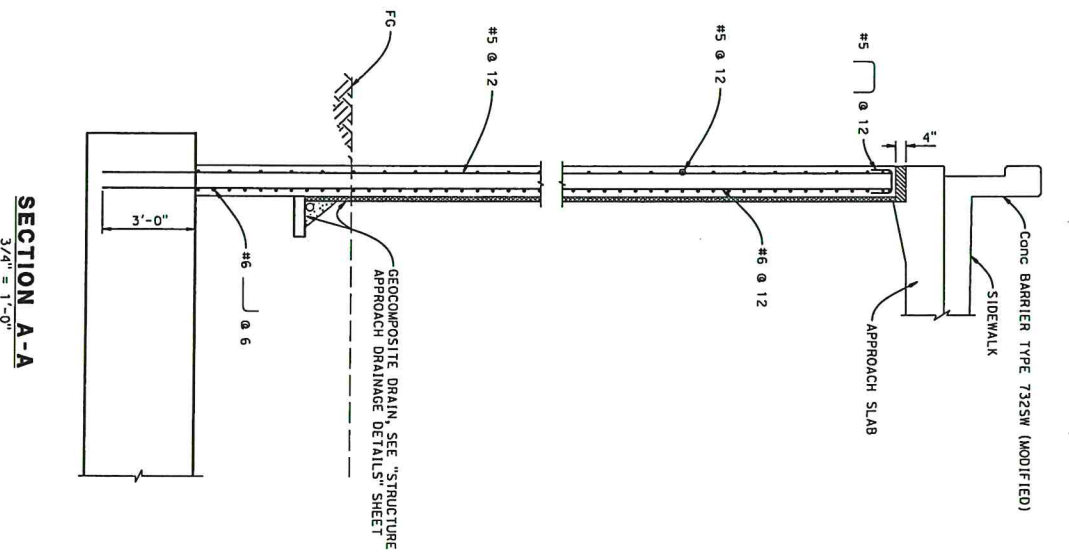
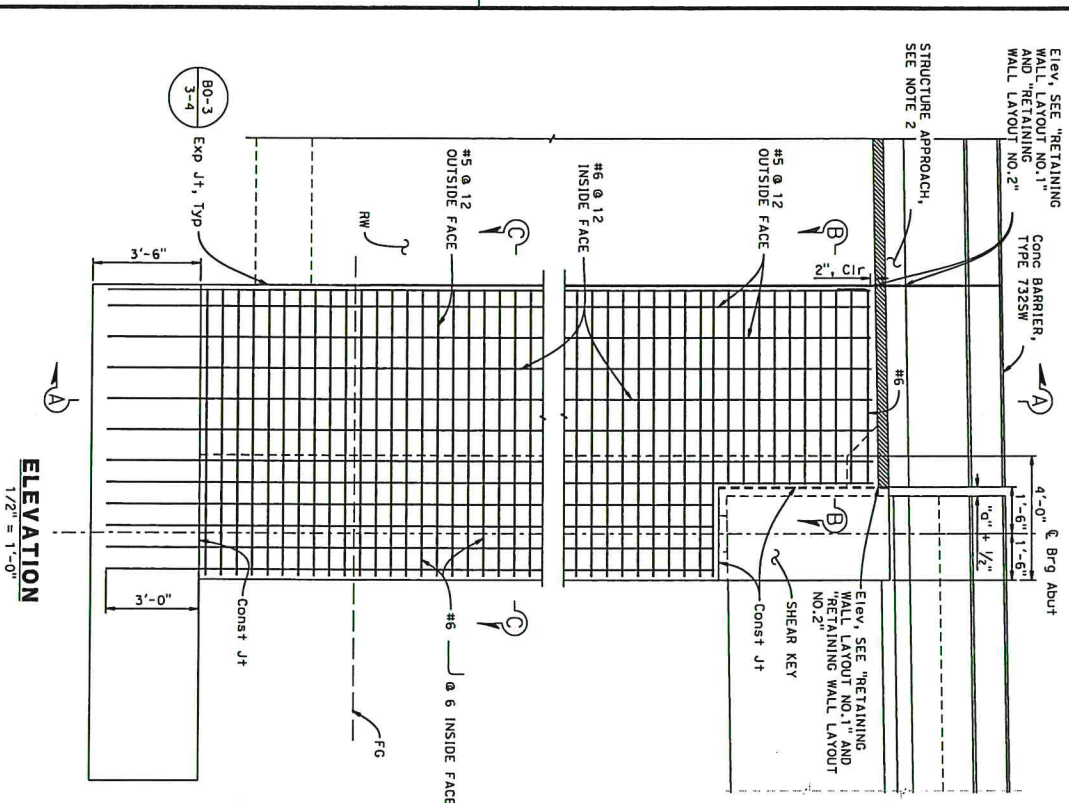
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date:
R.C.E: 73848
Exp: 06/20/17

**LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
ABUTMENT 5 LAYOUT**

BRIDGE NO.	
77-777	
POST MILES	
-	
SWEET	OF

BRIDGE NO.	77-777
POST MILES	-
SHEET	OF





- NOTES:**
1. For Geocomposite Drain, see Structure Approach Drainage Details" sheet.
 2. For Structure Approach, see Structure Approach Type N1305" sheet.
 3. Abut 1 shown, Abut 5 similar.

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE
1					DETAILS	BY: M. CHEN	CHECKED: L. LIU	
2					QUANTITIES	BY: G. ESTROPO	CHECKED: -	
3					SPEC	BY: -	CHECKED: -	

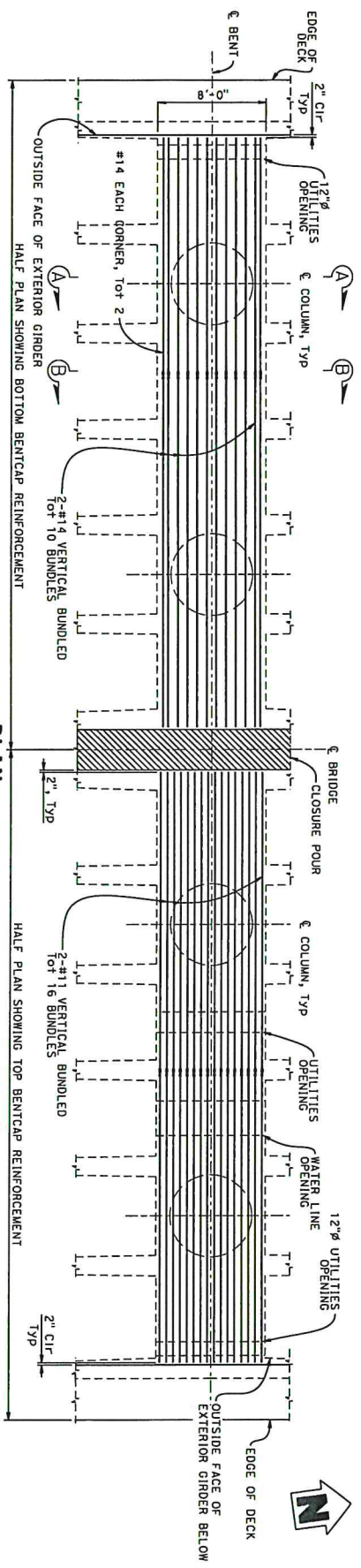


im
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300 S Harbor Blvd, Suite 710
Anaheim, CA 92805
Tel: 714.731.0000 Fax: 714.731.0000

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: R.C.E: 7/24/16 Exp: 08/20/17

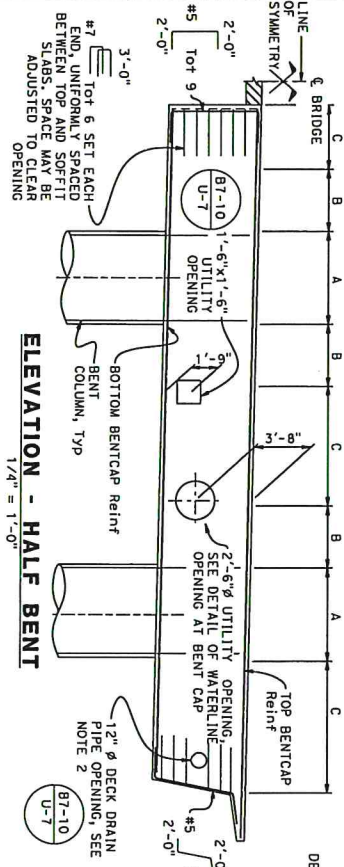
LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
ABUTMENT DETAILS NO.2

PROJECT NO.	SHEET NO.
77-777	77-777
77-777	77-777



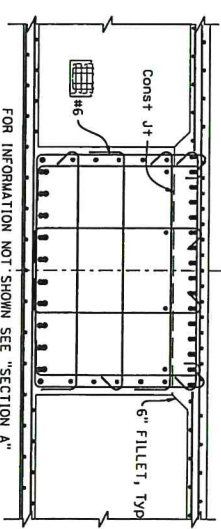
PLAN
1/4" = 1'-0"

HALF PLAN SHOWING TOP BENTCAP REINFORCEMENT



ELEVATION - HALF BENT
1/4" = 1'-0"

SECTION A-A
1/2" = 1'-0"



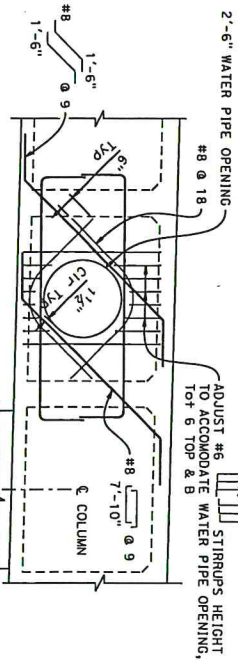
SECTION B-B
1/2" = 1'-0"

BENT 2, 3, 4 TABLE			
LOCATION	A	B	C
DIMENSION	6'-0"	4'-0"	-
STIRRUP SIZE	#6	#6	#6
STIRRUP AND CROSS TIES SPACING (UO)	TOTAL 9 SETS	TOTAL 9 SETS	Ø 9

- LEGEND:**
- LINE OF SYMMETRY
 - BUNDLED REINFORCEMENT
- NOTES:**
- For Bent Column Reinforcements, see "BENT DETAILS" sheet.
 - For Deck Drain details see "DECK DRAINAGE LAYOUT" & "DECK DRAINAGE DETAILS" sheet.
 - Construction reinforcement may be bent or lowered to clear P/S ducts.
 - No splices allowed in bent cap and column main reinf.

WATER LINE OPENING AT BENT CAP

NOTE: Regular Bent Cap Stirrups see "BENT LAYOUT SHEET"



REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	DATE	CHECKED	BY	DATE
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2					QUANTITIES	BY		CHECKED		
3						BY		CHECKED		

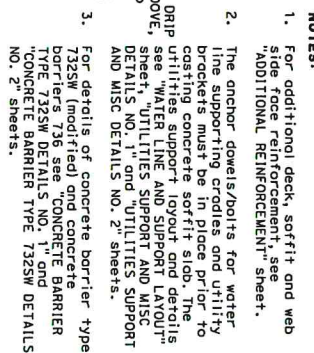
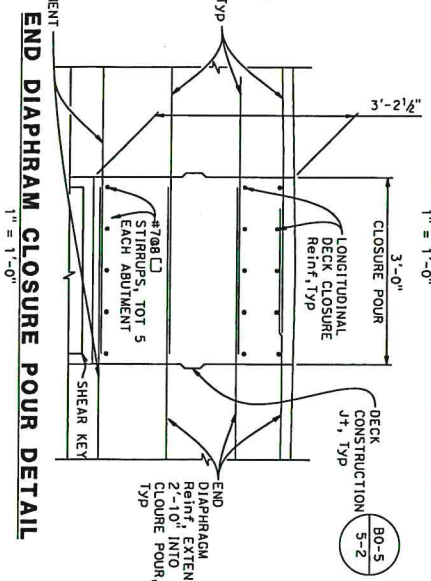


Consulting Engineers, Inc.
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Tel: 714.761.8888 Fax: 714.761.8888

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer Victor Ortiz, P.E.
Date: R.C.E. 13448 Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
BENT LAYOUT

PROJECT NO.	77-777
PROJECT MILES	-
SHEET	30

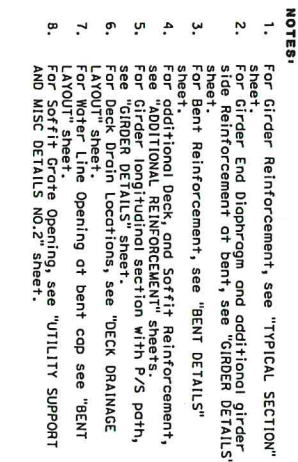

$$1/4'' = 1'-0''$$


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PUBLIC WORKS DEPARTMENT
City Engineer Victor Ortiz, P.E.
Date:
R.C.E.: 7/3/48
Exp: 06/30/17

**LA CADENA DRIVE BRIDGE (REPLACE
OVER SANTA ANA RIVER
TYPICAL SECTION**

RAIDCE NO.	77-777
POST MILES	-
SHEET	OF



**LA CADENA DRIVE BRIDGE (REPLACE
OVER SANTA ANA RIVER
GIRDER LAYOUT NO.1**

SAIDCE NO.	77-777
POST MILES	-
SUBJECT	POE

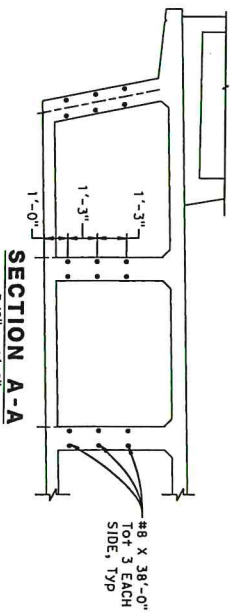
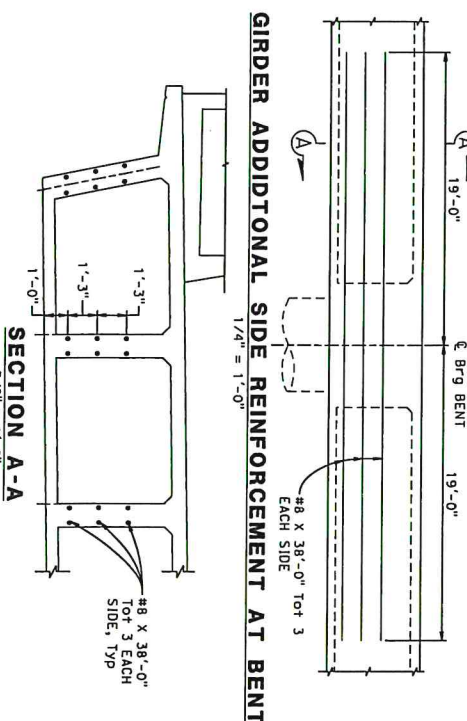
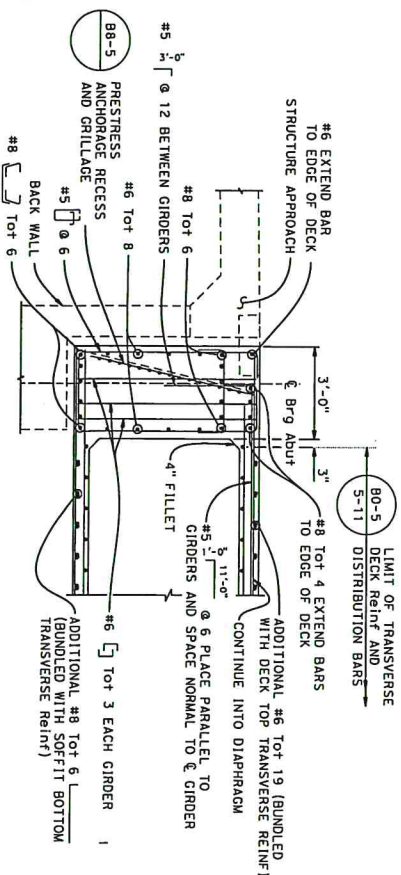
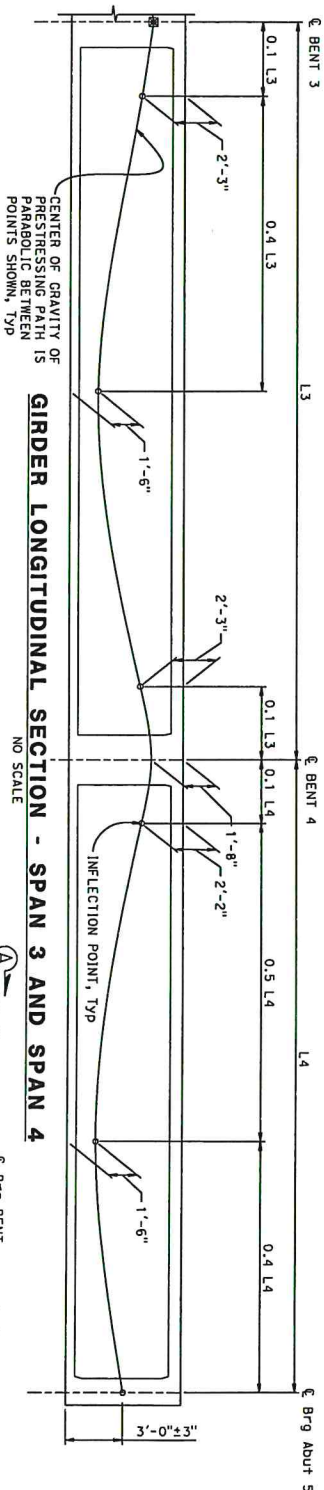
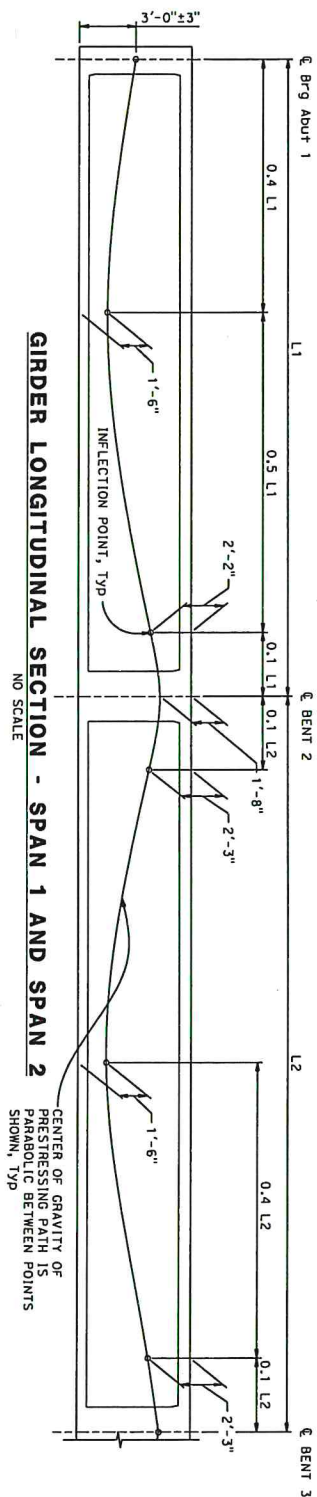


**LA CADENA DRIVE BRIDGE (REPLACE
OVER SANTA ANA RIVER
GIRDER LAYOUT NO.2**

BRIDGE NO.	
77-777	
POST MILES	
-	
SHEET	OF

NOTES

1. For Girder Reinforcement, see "TYPICAL SECTION SHEET".
2. For Girder End Diaphragm and additional girder stiffeners, see "DETAILS OF BENT", see "GIRDER END DETAIL NO. 2" sheet.
3. For Bent Reinforcement, see "BENT DETAILS" sheet.
4. For additional Deck, and Soffit Reinforcement, see "ADDITIONAL REINFORCEMENT" sheets.
5. For Girder longitudinal section with P/S path, see "GIRDER DETAILS" sheet.
6. For Deck Drain Locations, see "DECK DRAINAGE LAYOUT" sheet.
7. For Girder Line Opening of bent cap see "BENT CAP DETAIL NO. 1" sheet.
8. For Soffit Grote Opening, see "UTILITY SUPPORT AND MISC DETAILS NO. 2" sheet.



- PRESTRESSING NOTES:**
- A. 270 ksi low relaxation strand:
 Plock = 13,200 Kips
 (Sections A-A, g-b and Plock ore for East Side Bridge (West Side Bridge similar). Total number of girders for East Side Bridge = 7)
 - B. Anchor set 3.78
 Friction coefficient $\mu = 0.15$ (1/rod)
 Friction wobble coefficient $K = 0.0002$ (1/ft²)
 - B. Distribution of prestress force (plock) between girders shall not exceed the ratio of 3:2.
 - C. Maximum final force variation between girders shall not exceed 725 Kips.
 - D. Concrete:
 f'c = 5 Ksi @ 28 days
 f'ci = 3.5 Ksi @ time of stressing
 - E. Contractor shall submit elongation calculations based on initial stress or $\sigma = 0.875$ times jacking stress.
 - F. Both end stressing shall be performed.

FALSEWORK RELEASE

Alternative 1:
Falsework shall be released as soon as permitted by the specification. Closure pour shall not be placed sooner than 60 days after the falsework has been released.

Alternative 2: Falsework shall not be released less than 28 days after the last concrete has been placed. Closure pour shall not be placed sooner than 14 days after the falsework has been released. When falsework release alternative 2 is used, comb values are 0.75 times those shown.

LEGENDA

- ☒ Theoretical point of no movement

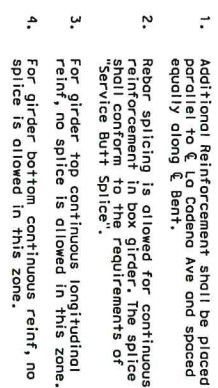
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2					QUANTITIES	BY	-	CHECKED	-
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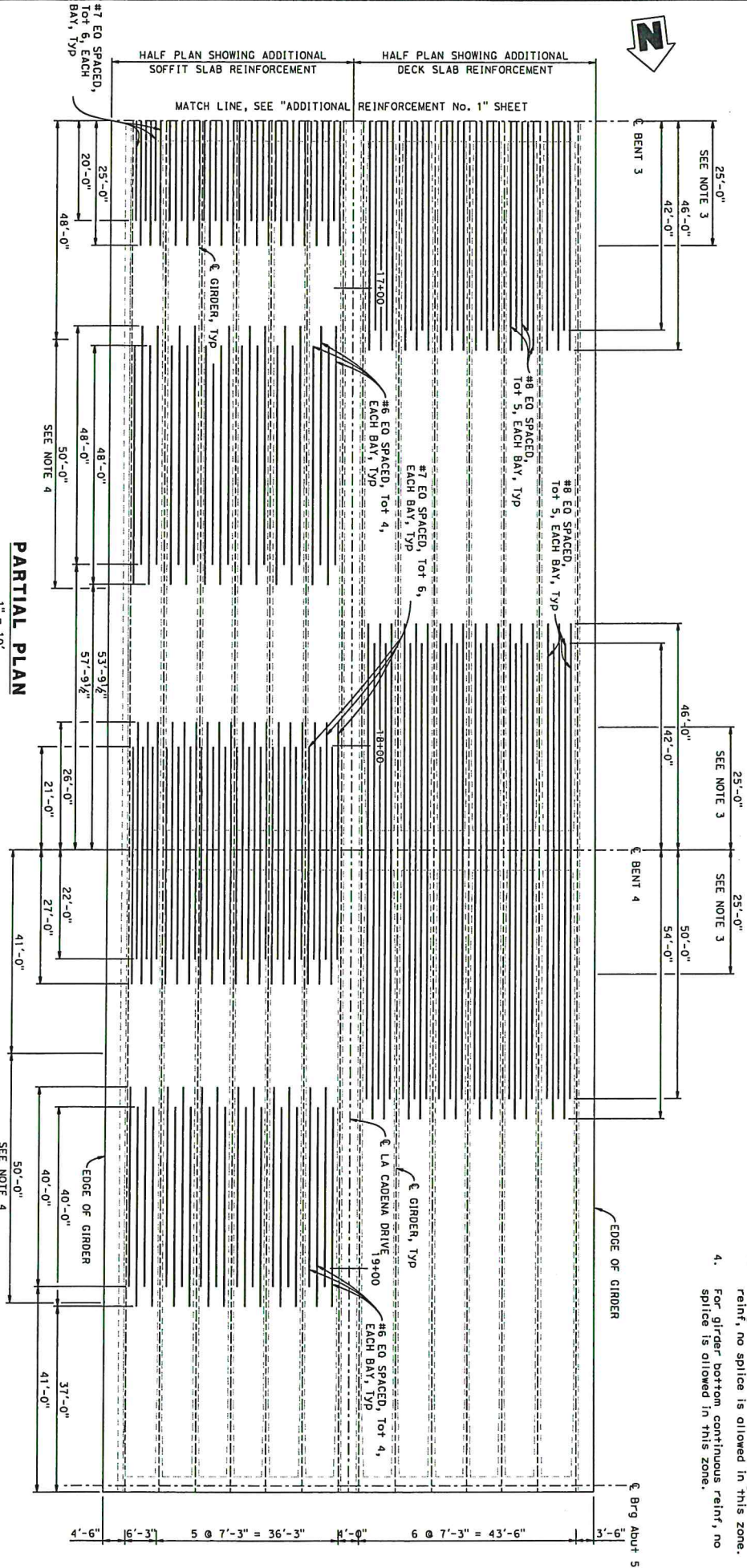
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: _____
R.C.E.: 73848
Exp: 06/20/17

**LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER**

BRIDGE NO.	77-777
POST MILES	-
QUEST	OF



BRIDGE NO.	77-777
POST MILES	-
SHEET	OF



NOTES:

1. Additional Reinforcement shall be placed parallel to ϵ La Cadena Ave and spaced equally along ϵ Bent.
2. Rebar splicing is allowed for continuous reinforcement in box girder. The splice shall conform to the requirements of "Service Butt Splice".
3. For girder top continuous longitudinal reinf, no splice is allowed in this zone.
4. For girder bottom continuous reinf, no splice is allowed in this zone.

REV	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE
1				DETAILS	BY	CHECKED	
2				QUANTITIES	BY	CHECKED	
3					BY	CHECKED	

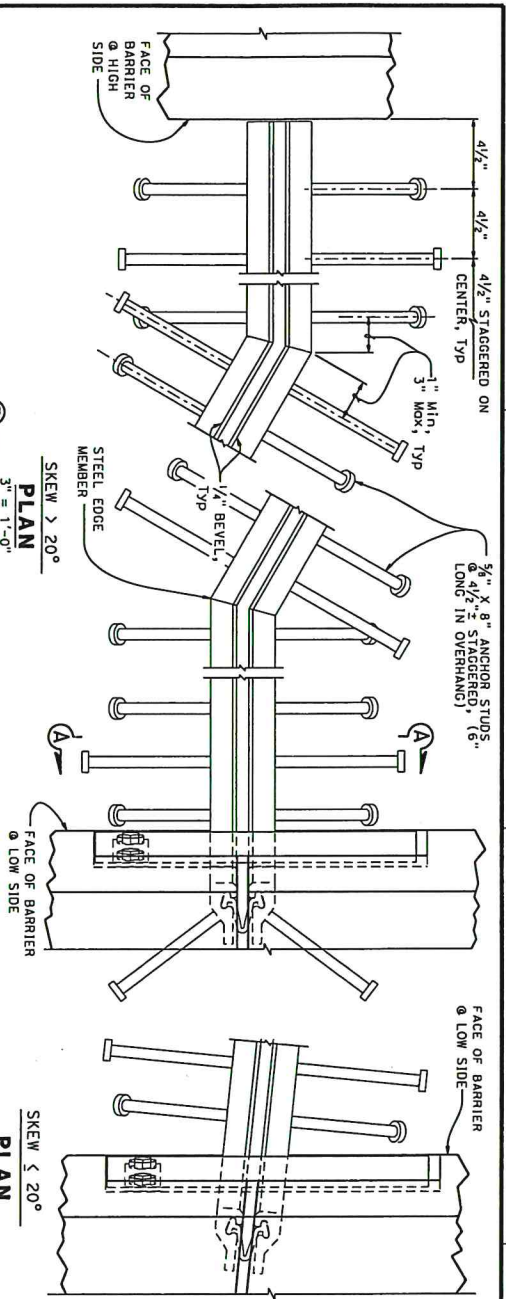


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3000 Wilshire Blvd., Suite 1700
Beverly Hills, CA 90210
Tel: (310) 271-1111 Fax: (310) 271-1112

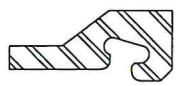
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer Victor Ortiz, P.E.
Date: R.C.E. 12/14/16
Exp: 04/30/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
ADDITIONAL REINFORCEMENT NO. 2

REVISION NO.	DATE
77-777	
77-777	

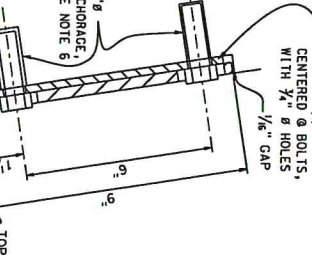
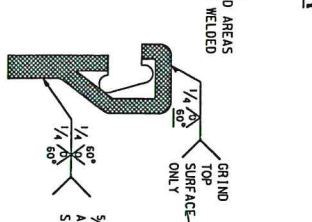
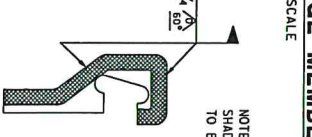
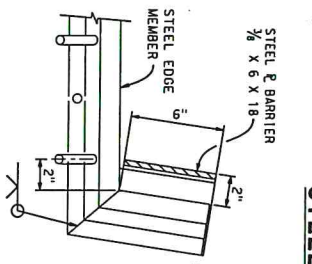
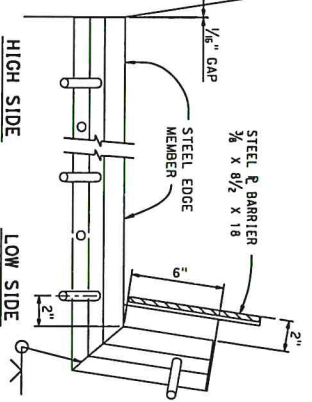
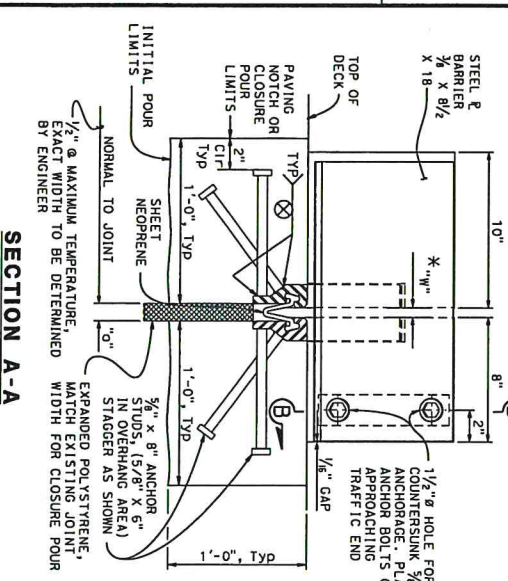


JOINT INFORMATION			
LOCATION	MOVEMENT RATING (MR)	SKEW	"d" DIMENSIONS
Abut 1	3 1/2"	-	WINTER 1 3/4" SPRING & FALL 1 3/8" SUMMER 1 1/8"
Abut 5	3 1/2"	-	1 3/4" 1 3/8" 1 1/8"



SCHEMATIC STEEL EDGE MEMBER

- NOTES:**
- Alternatively, fillet or complete penetration welds may be used at anchor studs.
 - Alternate types of anchor studs may be permitted subject to the authorization by the Engineer.
 - Joint seal assembly to be used in conjunction with closure pour. (See other sheets for limits). Closure pour shall not be placed until final deck surface is within the tolerances specified.
 - Use joint at crown of roadway, at any change in traverse slope in deck and at changes in horizontal direction. Place other joints at or near lanes. All metal parts to be painted or galvanized after fabrication.
 - Sheet Neoprene shall be fabricated in one continuous piece and shall be fabricated to bend around corners. Field splices of the neoprene are not allowed.
 - Insert assembly or expansion anchorage for 3/8" x 1 3/4" bolts. Use installation bolts extended 1/2" minimum past nut and coat with bond breaker, after concrete has cured, remove installation bolts, install HS bolts and sheet neoprene.
 - Use sidewalk detail at all sidewalk joints. Use barrier detail low side at both sides if the roadway is crowned, or if the difference in elevation between the ends of the seal is 6 inches or less.
 - QC, Qs, are the thermal expansion coefficients for concrete and steel respectively.
 - Anchor studs shall conform to ASTM 108.



* TO SET MINIMUM JOINT OPENING "w"

$w = \left\{ \begin{array}{l} 1/2" + (Max \text{ Str temperature in } ^\circ F) - (actual \text{ Str temperature in } ^\circ F) \\ 1/2" \text{ Minimum} \end{array} \right\}$

$w_c = 0.0000060$

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	QUANTITIES	BY	CHECKED	DATE	SPIC	BY	CHECKED	DATE
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2						BY	CHECKED				CHECKED					
3						BY	CHECKED				CHECKED					

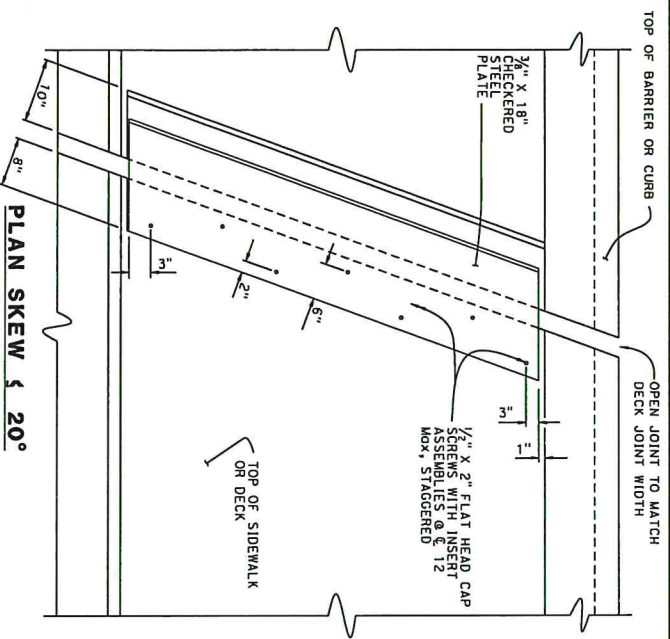


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Tel: 714.761.0000 Fax: 714.761.0008

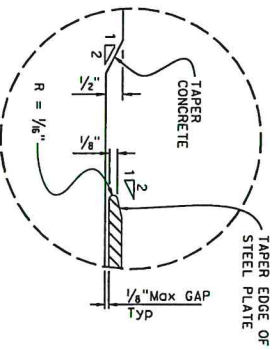
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: R.C.E. 13488
Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
JOINT SEAL ASSEMBLY DETAILS (Maximum MR=4")

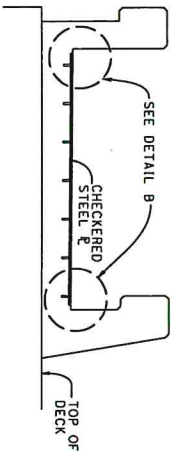
PROJECT NO.	POST MILES	SHEET	OF
77-777	-	1	2



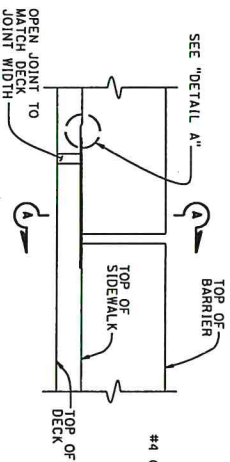
PLAN SKEW 1 20°
NO SCALE
DIRECTION OF TRAFFIC



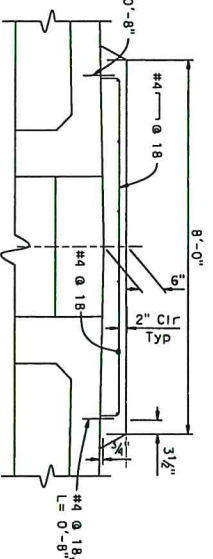
DETAIL A
NO SCALE



SECTION A-A
NO SCALE



ELEVATION
NO SCALE



MEDIAN DETAIL
 $\frac{3}{4}'' = 1'-0''$

- NOTES:**
1. Utility openings and expansion joints not shown for clarity.
 2. Recess concrete $\frac{1}{2}''$ for plates.
 3. Plates to be galvanized.
 4. Architectural treatment not shown.

REV	BY	DATE	DESIGN	BY	CHECKED	BY	CHECKED
1			DETAILS	BY C. Estepo	CHECKED		
2			QUANTITIES	BY	CHECKED		
3			SPEC	BY	CHECKED		



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3005 Harbor Blvd., Suite 710
Anaheim, CA 92806
Tel: 714/941-0000 Fax: 714/941-0008

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer Victor Ortiz, P.E.
Date: R.C.E. 7/3/08 EPR 08/20/17

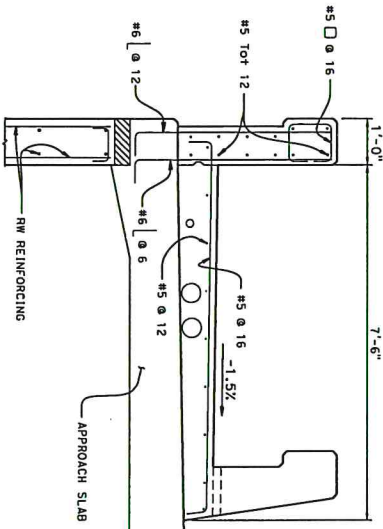
LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
MEDIAN DETAIL AND
JOINT ARMOR FOR PEDESTRIAN WALKWAYS

BRIDGE NO.	77-777
POST MILES	-
SHEET	OF

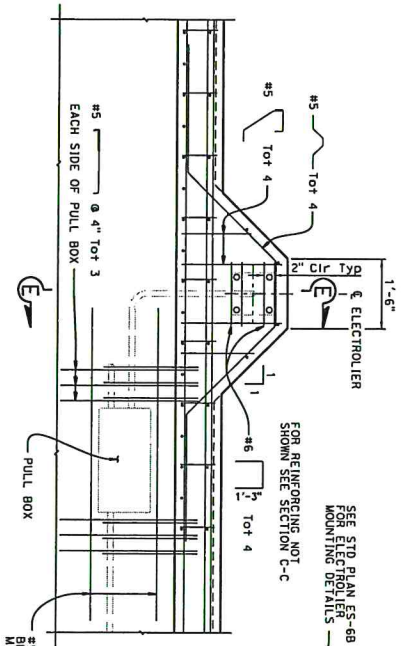


BRIDGE NO.	77-777
POST MILES	-

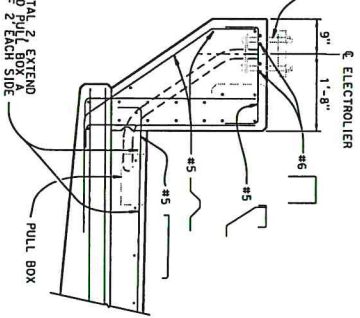
1. This barrier is to be used only for speeds of 45 MPH or less. For speeds greater than 45 MPH, pedestrians should be protected by a separation traffic barrier.
2. Walls must be backfilled before curb and parapet is placed.
3. Clearance to reinforcing steel in curb and rolling is 2" except as noted, longitudinal reinforcement to stop at all expansion joints.
4. See Street Light Plan for electrolier locations and pull box type.
5. For electrical details, see Standard Plans ES-9A, ES-3B, ES-9C, ES-3D, and ES-9E.
6. Two - 4" round openings for future utilities must be located, a minimum of 6" from face of curb. Openings must be sealed on ends and extended 6" minimum past end of sidewalk if not used. Duct forms must be tied down.
7. Sidewalk Joint Armor details see "Joint Armor For Pedestrian Walkways" sheet.
8. Tubular hand rolling and chain link rolling continuous of pedestal.



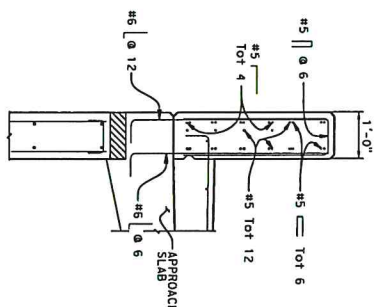
(WITH APPROACH SLAB)
SECTION C-C
3/4" = 1'-0"



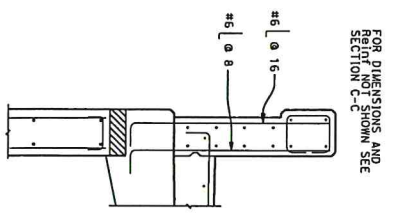
PEDESTAL PLAN
3/4" = 1'-0"



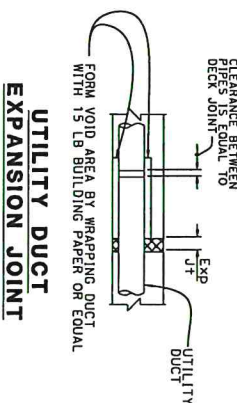
PEDESTAL DETAILS
3/4" = 1'-0"



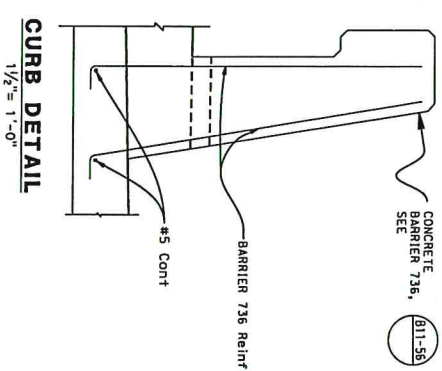
NOTE:
FOR SIDEWALK SEE SECTION C-C
SECTION D-D
3/4" = 1'-0"



SECTION E-E
3/4" = 1'-0"



UTILITY DUCT
EXPANSION JOINT
1 1/2" = 1'-0"



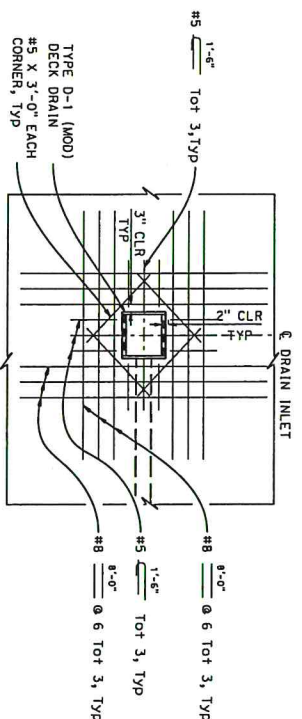
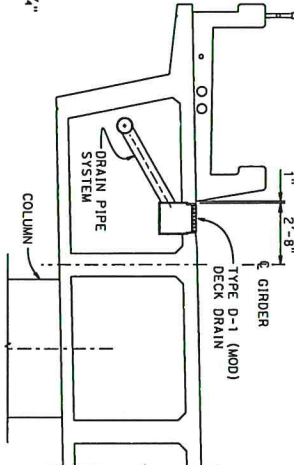
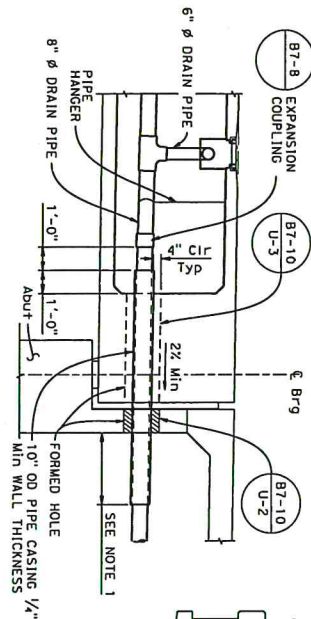
CURB DETAIL
1 1/2" = 1'-0"

NOTES:
RAILING AND FENCE NOT SHOWN FOR CLARITY

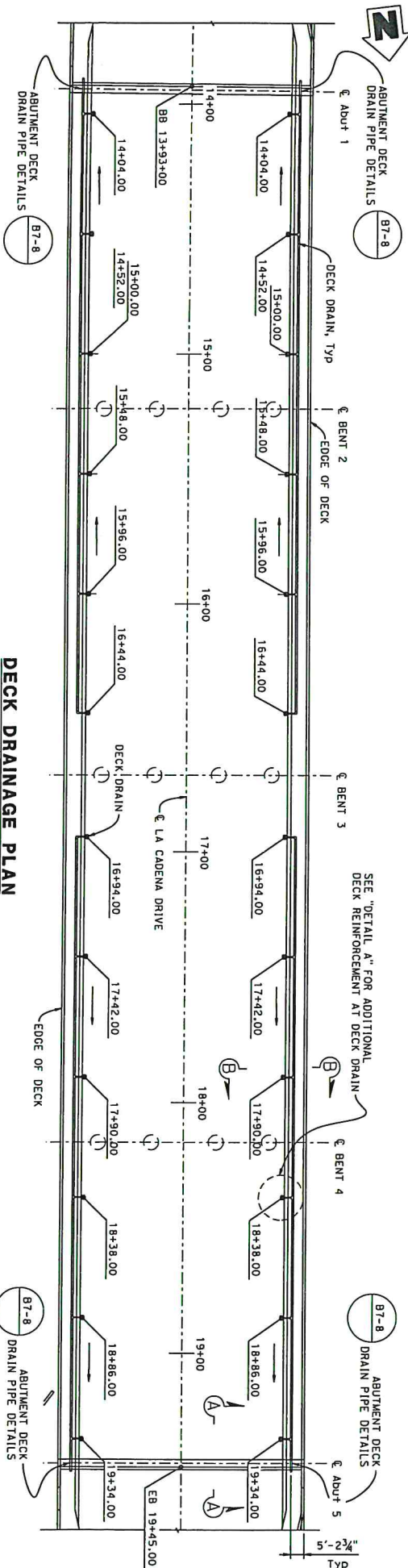
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2				QUANTITIES	BY -	CHECKED -	
3				SPEC	BY -	CHECKED -	

REGISTERED PROFESSIONAL ENGINEER No. 021245 Exp. 9/25/17 CIVIL STATE OF CALIFORNIA	 Consulting Engineers, Inc. 500 S. HUNTER ST. SUITE 710 ANAHEIM, CA 92805 TEL 714.761.0000 FAX 714.761.0008	CITY OF COLTON PUBLIC WORKS DEPARTMENT Date: R.C.E. 7/28/18 Exp: 06/20/17	LA CADENA DRIVE BRIDGE (REPLACE) OVER SANTA ANA RIVER CONCRETE BARRIER TYPE 732SW DETAILS NO.2
--	---	--	---

REVISION NO.	77-777
POST NOTES	
SHEET	OF



- NOTES:**
- Casing shall extend to 5'-0" beyond the end of approach slab.
 - For drain outlet details, see "Deck Drainage Details" sheet.



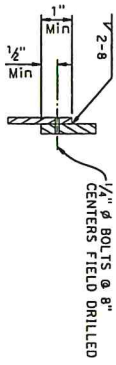
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1		DETAILS			BY	G. ESTEPO	CHECKED			
2		QUANTITIES			BY		CHECKED			
3					BY		CHECKED			

REGISTERED PROFESSIONAL ENGINEER	REGISTERED PROFESSIONAL CIVIL ENGINEER
KLING STUBBINS	KLING STUBBINS
NO. 03125	NO. 03125
EXP. 9/20/17	EXP. 9/20/17

im	Consulting Engineers, Inc.
300 S Harbor Blvd, Suite 710	300 S Harbor Blvd, Suite 710
ANAHUAC, CA 92603	ANAHUAC, CA 92603
TEL: 714/941-1000	TEL: 714/941-1000

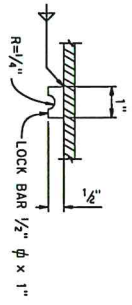
CITY OF COLTON	LA CADENA DRIVE BRIDGE (REPLACE)
PUBLIC WORKS DEPARTMENT	OVER SANTA ANA RIVER
City Engineer: Victor Ortiz, P.E.	
Dated: R.C.E. 7/24/18	
Exp: 06/20/17	

DECK DRAINAGE LAYOUT	BRIDGE NO.
	77-777
	POST MILES
	-
	Sheet
	of

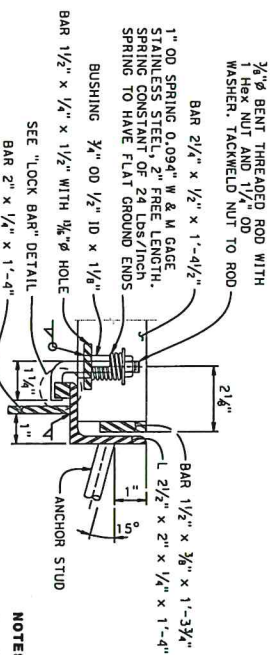


BOLT OR WELD AT CONTRACTOR'S OPTION

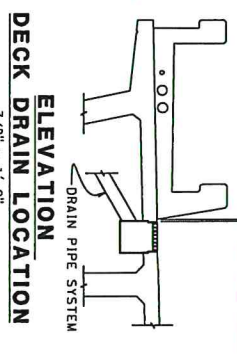
DETAIL B
6" = 1'-0"



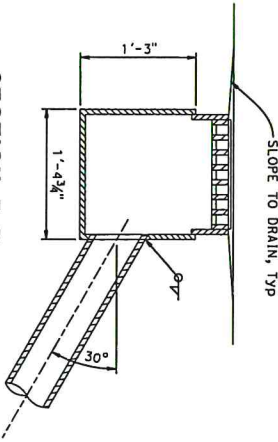
LOCK BAR
6" = 1'-0"



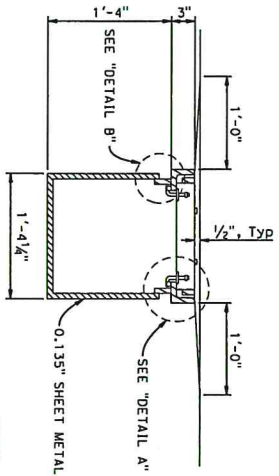
DETAIL A
6" = 1'-0"



ELEVATION
DECK DRAIN LOCATION
3/8" = 1'-0"

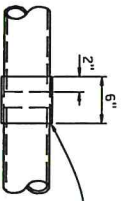


SECTION B-B
1 1/2" = 1'-0"

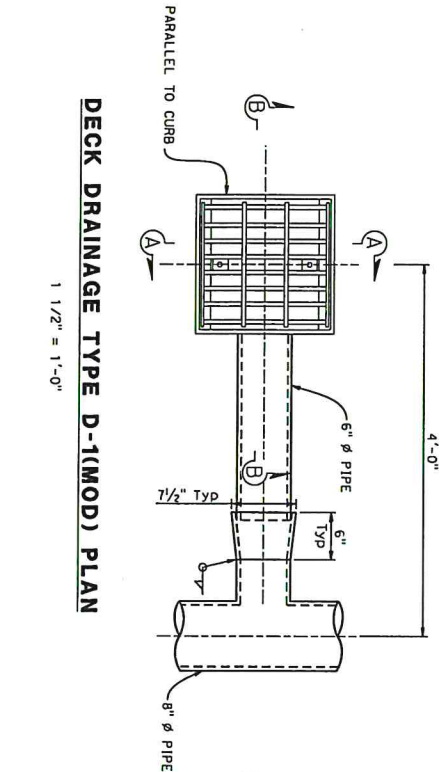


SECTION A-A
1 1/2" = 1'-0"

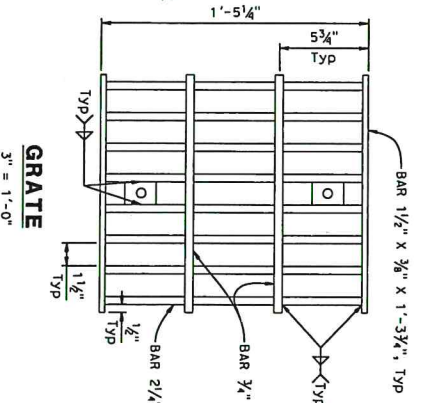
SLEEVE INSIDE DIAMETER NO GREATER THAN PIPE OUTSIDE DIAMETER + 1/8"



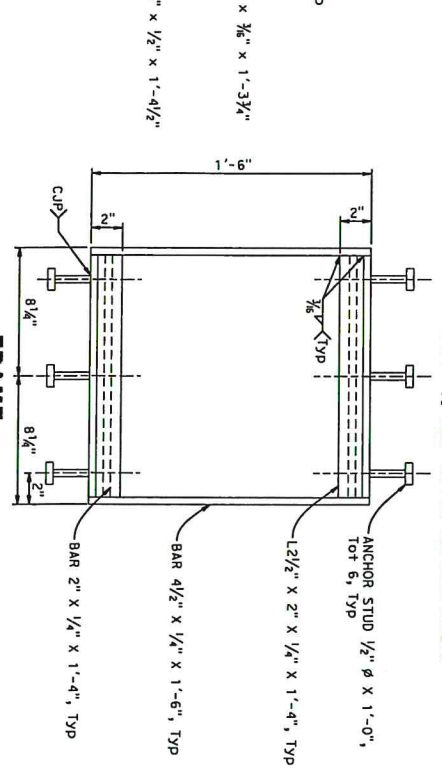
SLEEVE CONNECTION
1 1/2" = 1'-0"



DECK DRAINAGE TYPE D-1(MOD) PLAN
1 1/2" = 1'-0"



GRATE
3" = 1'-0"



FRAME
3" = 1'-0"

APPLY ADHESIVE SEALANT ON PIPE PERIPHERY TO SEAL JOINT. SECURE EACH END OF SLEEVE TO PIPE WITH 3-#10-24 x 1/2" SELF TAPPING Hex HEAD SCREWS

- NOTES:**
1. All pipe to be NPS 6 x 0.135" welded steel pipe except as noted and galvanized if not encased in concrete. fittings and bends shall have a minimum wall thickness of 1/8".
 2. All joints or connections to be butt welded or connected by a steel pipe sleeve and to be smooth throughout inside of pipe except as noted.
 3. All bends to be on 1'-6" minimum radius measured along 1 pipe. all bends to be smooth.
 4. Pipes not encased in concrete to be supported by suitable galvanized hangers @ 10'-0" maximum spacing throughout.
 5. Galvanize deck drain assembly after fabrication.
 6. For details not shown, see B7-6

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	BY	DATE	QUANTITIES	BY	CHECKED	BY	DATE
1					DETAILS	BY	C. ESTEPO	CHECKED						
2					QUANTITIES	BY		CHECKED						



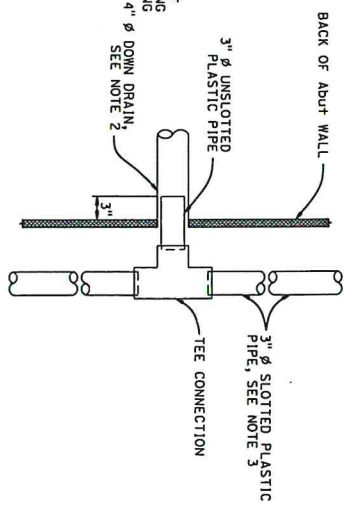
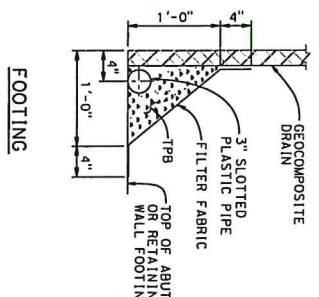
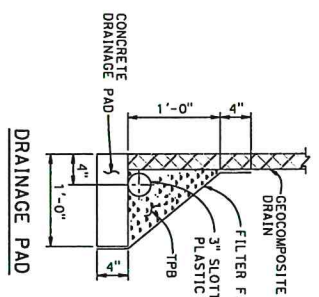
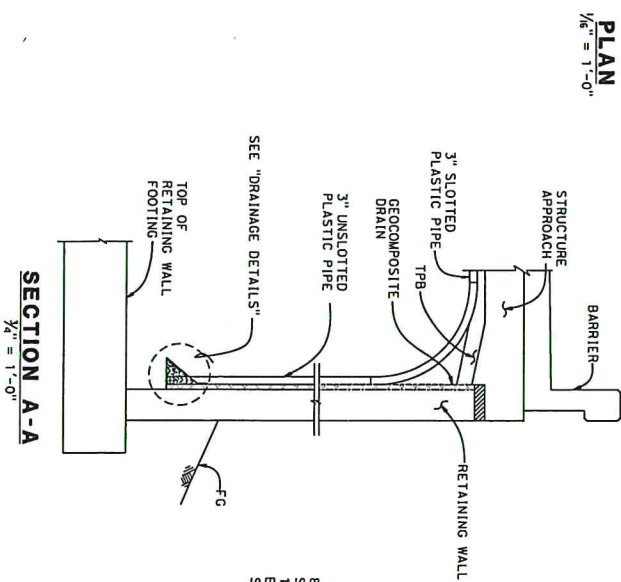
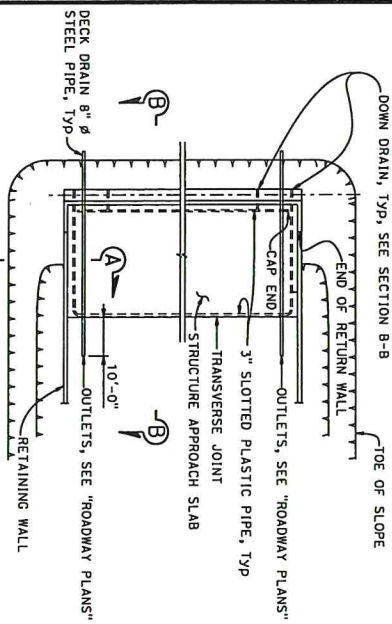
Consulting Engineers, Inc.
300 S. HURON STREET, SUITE 170
SAN ANTONIO, TEXAS 78205
P.O. Box 111111, San Antonio, TX 78211-1111
R.C.E. 73448

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
DECK DRAINAGE DETAILS

NO.	DATE	BY	CHECKED	DATE
77-777				
77-777				

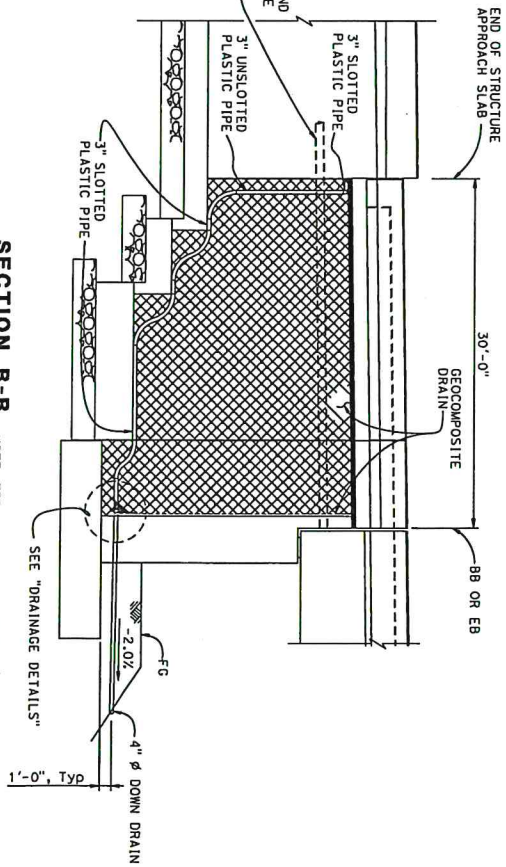
BRIDGE NO.	77-777
POST MILES	-
SHEET	OF



DRAINAGE DETAIL
1/2" = 1'-0"

WEEP HOLE DETAIL
1/2" = 1'-0"

- NOTES:**
1. For structural approach and other details not shown, see other plan sheets.
 2. All bends in plastic pipe must have 3'-0" minimum radius. Plastic pipe used for bends is not required to be slotted.



SECTION B-B
3/8" = 1'-0"
NOTE: TPB not shown for clarity
About 1 shown, Abut 5 similar

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	W. CHEN	CHECKED	L. LIU
1					DETAILS	BY	C. ESTROD	CHECKED	-
2					QUANTITIES	BY	-	CHECKED	-
3					SPCC	BY	-	CHECKED	-

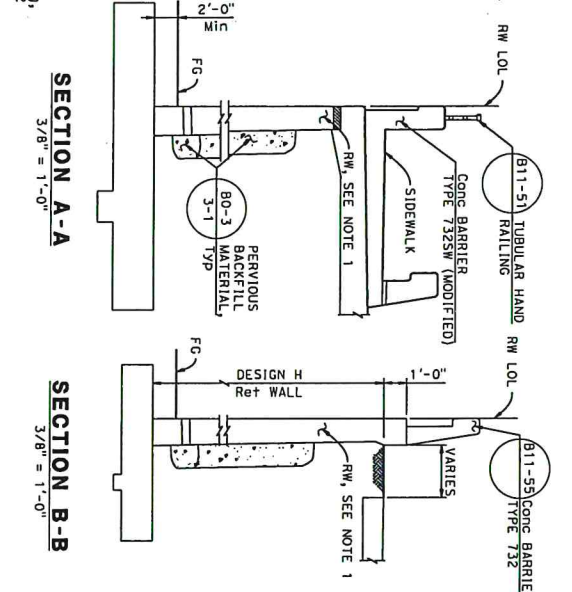
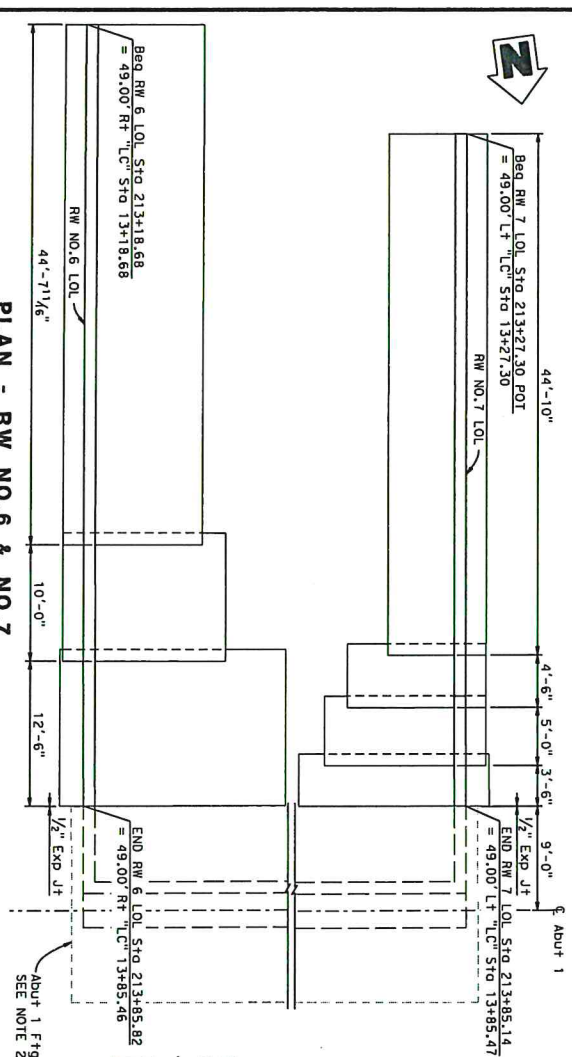


im
Consulting Engineers, Inc.
300 S. Main St., Suite 710
Anaheim, CA 92805
Tel: (714) 594-0070 Fax: (714) 594-0088

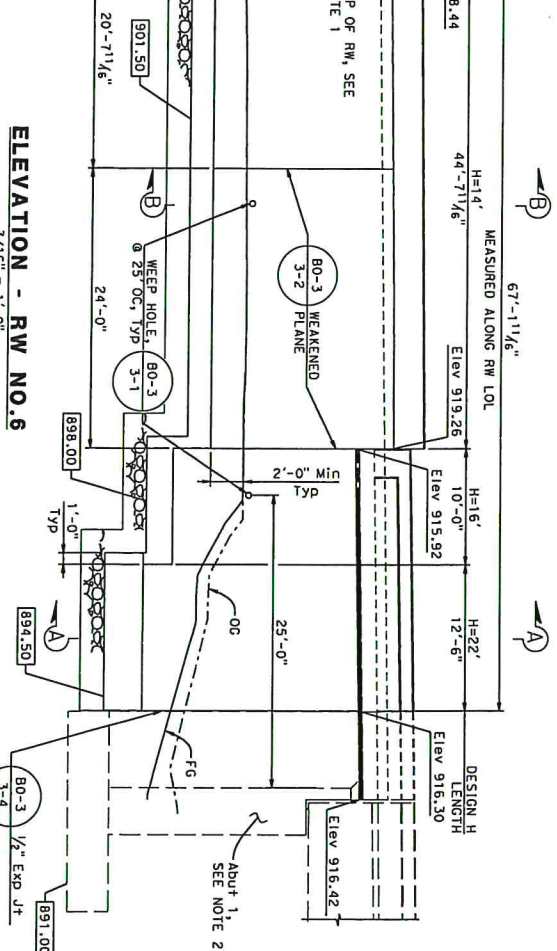
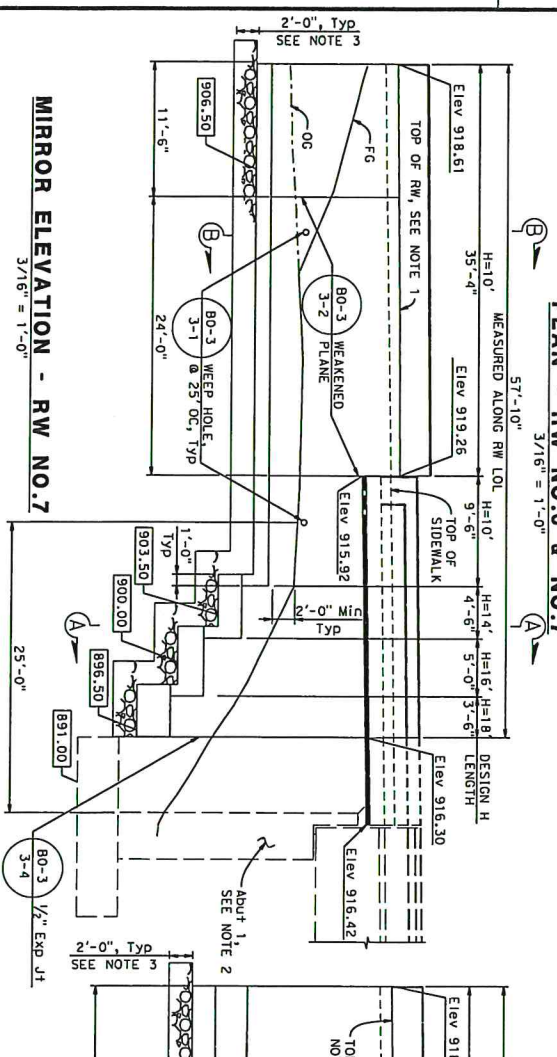
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: R.C.E.: 12/18/11 Exp: 06/20/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
STRUCTURE APPROACH DRAINAGE DETAILS

PROJECT	NO.
77-777	77-777



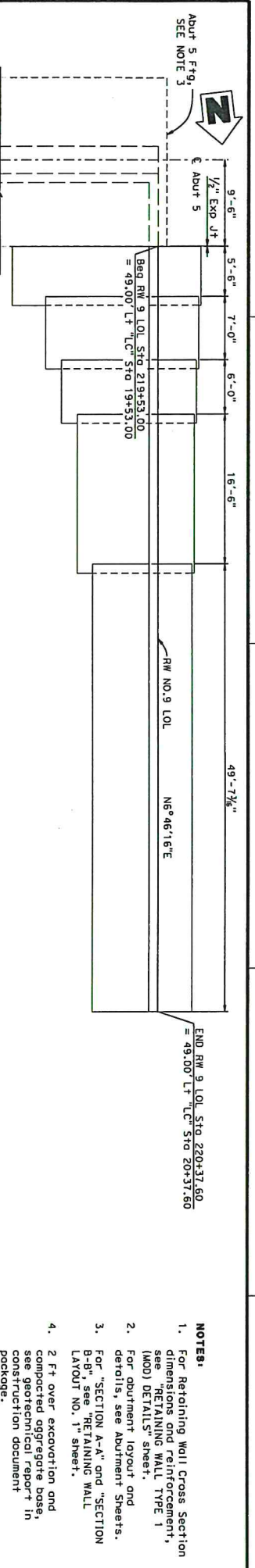
- NOTES:**
1. For Retaining Wall Cross Section dimensions and reinforcement, see "RETAINING WALL TYPE 1 (MOD) DETAILS" sheet.
 2. For abutment layout & abutment details, see "ABUTMENT LAYOUT & ABUTMENT DETAILS" Sheets.
 3. 2 Ft over excavation and compacted aggregate base, see geotechnical report in construction document package.
- LEGEND:**
- XXX.XX Indicates bottom of Footing



REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	BY	CHECKED
1					DETAILS	BY	G. Estrada			
2					QUANTITIES	BY				
3					SPEC	BY				

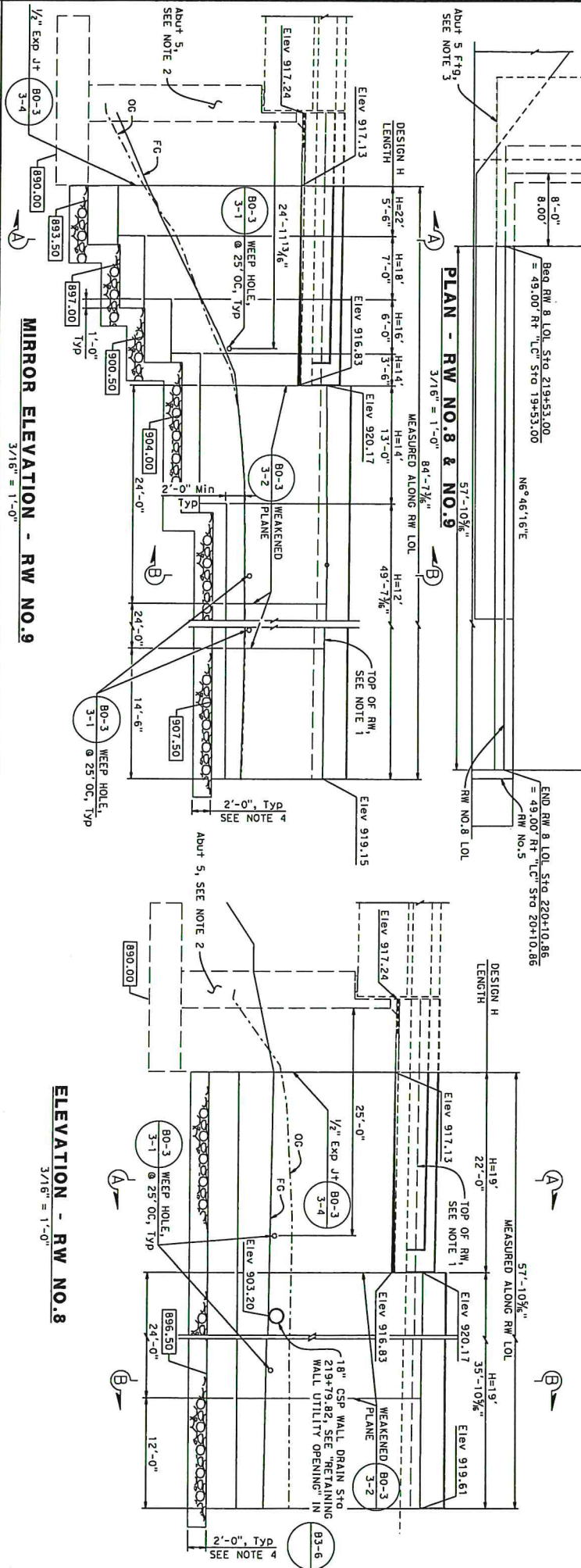
CITY OF COLTON PUBLIC WORKS DEPARTMENT City Engineer Victor Ortiz, P.E. Date: R.C.E. 7/24/17		LA CADENA DRIVE BRIDGE (REPLACE) OVER SANTA ANA RIVER RETAINING WALL LAYOUT NO.1	
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PROJECT NO. 77-777	DATE 7/24/17
SHEET NO. 1	



LEGEND:
 XXX.XX
 Footing

- NOTES:**
1. Retaining Wall Cross Section dimensions and reinforcement, see "RETAINING WALL TYPE 1 (MOD) DETAILS" sheet.
 2. For abutment layout and details, see Abutment Sheets.
 3. For "SECTION A-A" and "SECTION B-B", see "RETAINING WALL LAYOUT NO. 1" sheet.
 4. 2 ft over excavation and compacted aggregate base, see geotechnical report in submittal document package.



MIRROR ELEVATION - RW NO. 9
 3/16" = 1'-0"

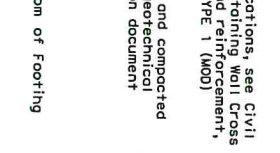
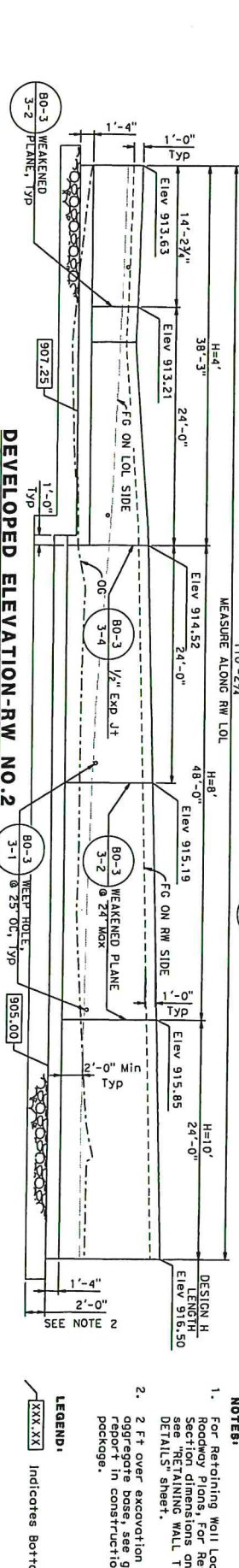
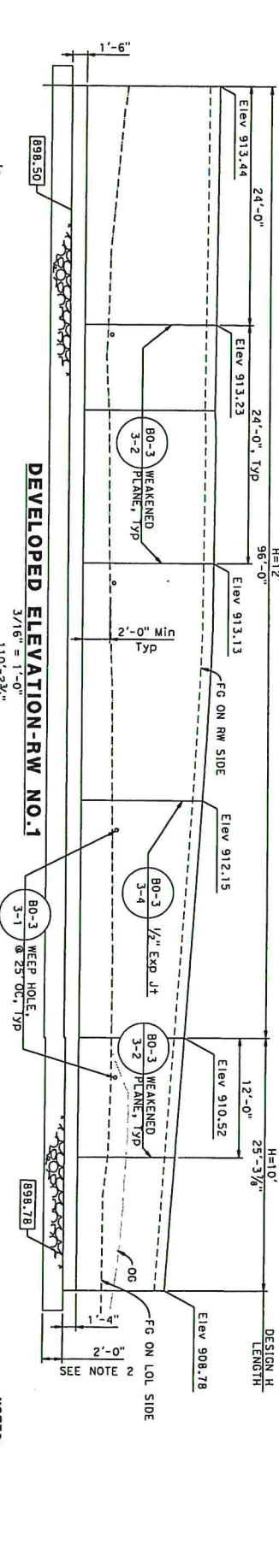
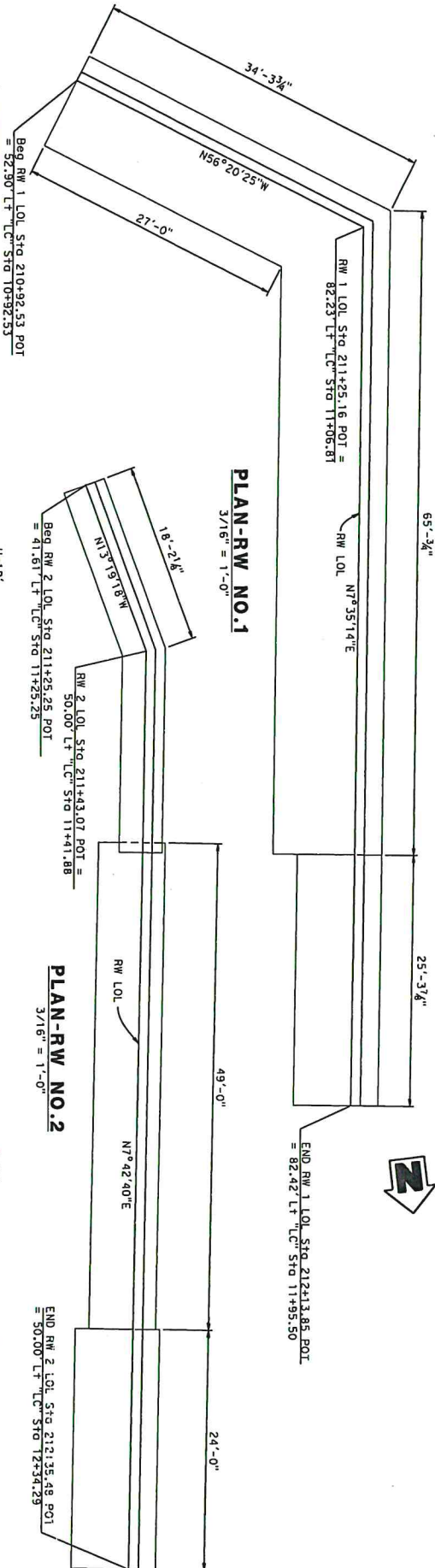
ELEVATION - RW NO. 8
 3/16" = 1'-0"

REV	DESCRIPTION	DATE	DESIGN	BY	CHECKED	DATE	BY	CHECKED
1	DETAILS		BY	G. E. E. 10/10				
2	QUANTITIES		BY					
3			BY					

APPROVED	DATE	DESIGN	BY	CHECKED	DATE	BY	CHECKED
			G. E. E. 10/10				

REGISTERED PROFESSIONAL ENGINEER	EXPIRATION DATE	DATE OF EXPIRATION
10/10/17	10/10/17	10/10/17

CITY OF COLTON	LA CADENA DRIVE BRIDGE (REPLACE)
PUBLIC WORKS DEPARTMENT	OVER SANTA ANA RIVER
City Engineer: Victor Ortiz, P.E.	RETAINING WALL LAYOUT NO. 2
DATE: 08/20/17	
R.C.E. 7348	
EXP. 08/20/17	



REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	BY	CHECKED	DATE
1					DETAILS	BY	C. ESTRADA				
2					QUANTITIES	BY					
3					SPRINT	BY					

im
Consulting Engineers, Inc.
3005 Harbor Blvd, Suite 710
San Juan Capistrano, CA 92675
Tel: 714.741.8000 Fax: 714.741.8008
R.L.E. 73448 Exp: 06/30/17

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: 06/20/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER

RETAINING WALL LAYOUT NO.3

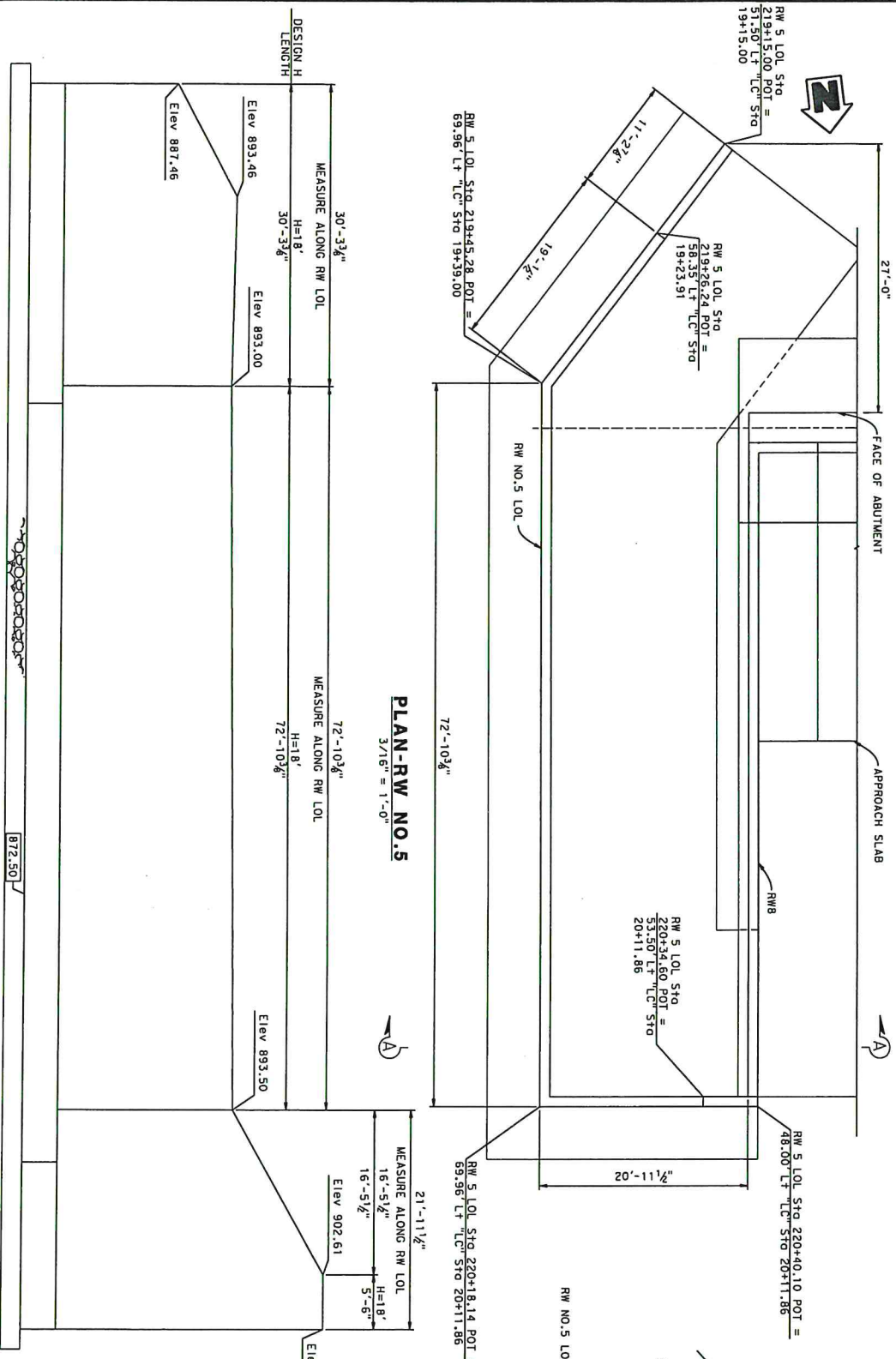
BRIDGE NO. 77-777
POST MILES -
SHEET 06

NOTES:

- For Retaining Wall Locations, see Civil Roadway Plans, For Retaining Wall Cross Section Dimensions and Reinforcement, see RETAINING WALL TYPE 1 (M00) DETAILS" sheet.
- 2 Ft over excavation and compacted aggregate base, see geotechnical report in construction document package.

LEGEND:

XXX.XX Indicates Bottom of Footing



PLAN-RW NO.5
3/16" = 1'-0"

SECTION A-A
NO SCALE

- NOTES:**
- For Retaining Wall Cross Section dimensions and reinforcement, see "RETAINING WALL TYPE 1 (MOD) DETAILS" sheet.
 - 2 Ft over excavation and compacted aggregate base, see geotechnical report in construction document package.
- LEGEND:**
- XXX.XX Indicates Bottom of Footing

DEVELOPED ELEVATION-RW NO.5
3/16" = 1'-0"

TYPICAL SECTION FOR RW NO.1 TO NO.4
NO SCALE

REV	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHKD	DATE	QUANTITIES	BY	CHKD
1				DETAILS	BY	C. ESTEPO				
2										
3										



Consulting Engineers, Inc.
3000 Wilshire Blvd., Suite 1700
Beverly Hills, CA 90210
Tel: 310.274.1111 Fax: 310.274.1112

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer Victor Ortiz, P.E.
Date: R.C.E. 12/18/17 Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
RETAINING WALL LAYOUT NO.5

PROJECT NO.	77-777
POST MILES	-
SHEET	OF



ELEVATION

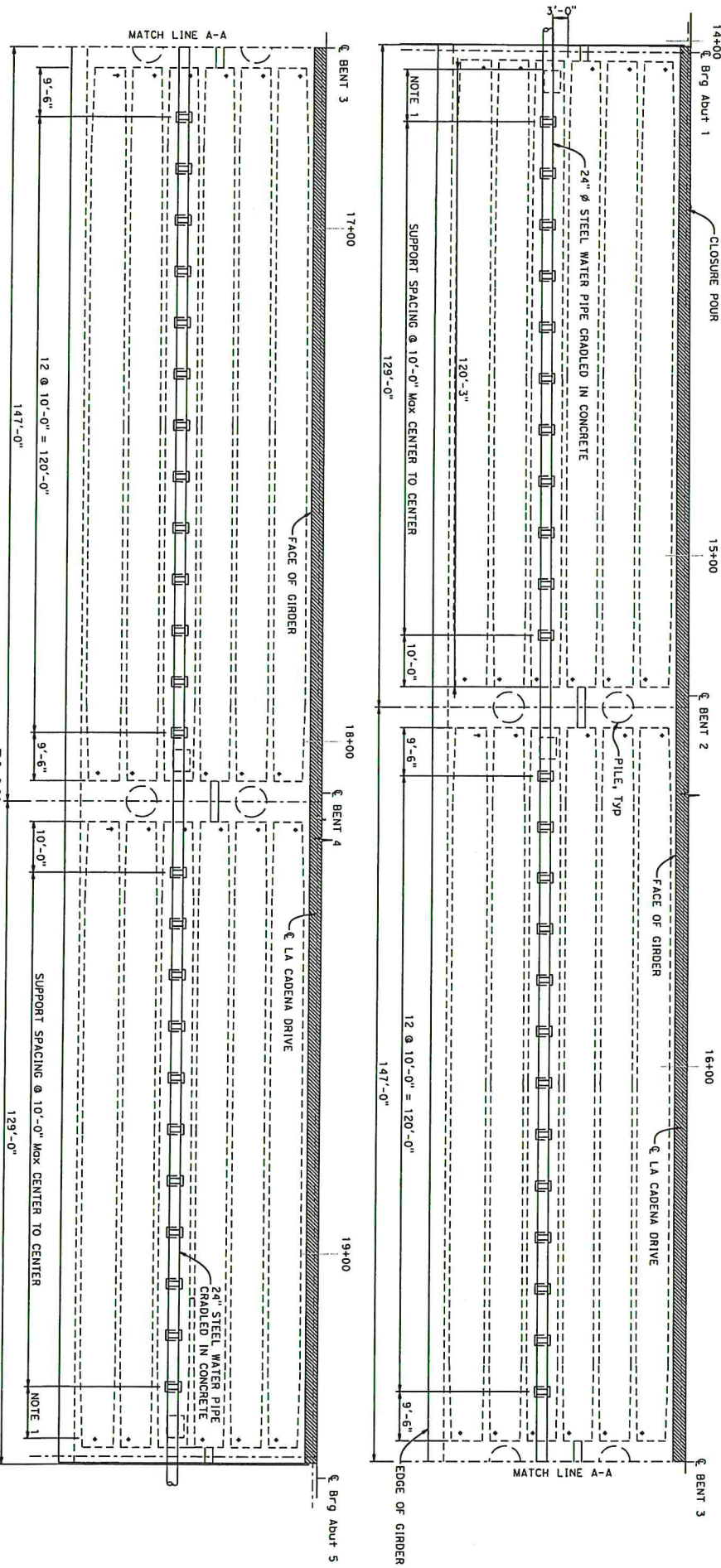


- ### RETAINING WALL TYPE I (MOD) DETAILS

SAIDCE NO.	77-777
POST MILES	-



- NOTES:
1. Location of the first support from abutment, see "WATER LINE INSTALLATION DETAIL" on "UTILITIES SUPPORT AND MISC DETAIL NO.2" sheet.



PLAN
1" = 10'

REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	BY	CHECKED
1					DETAILS	BY G. ESTEPO	CHECKED		
2					QUANTITIES	BY	CHECKED		
3						BY	CHECKED		



im
Consulting Engineers, Inc.
300 S Harbor Blvd, Suite 710
Anaheim, CA 92805
Phone: 714.771.1111
Fax: 714.771.1112

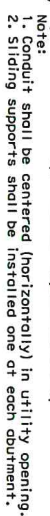
CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: R.C.E.: 7/3/14
Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
WATER LINE AND SUPPORT LAYOUT

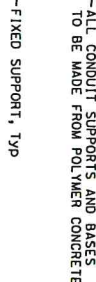
PROJECT NO.	77-777
PROJECT MILES	
SHEET	OF



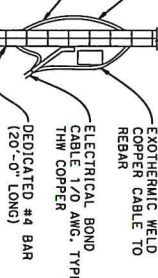
MORTAR OR CONCRETE IN


$$0-1 = 9/5$$


BRIDGE ABUTMENT CONDUIT SUPPORT INSTALLATION - ELEVATION



PVC CONDUIT DEFLECTION SUPPORT



STRUCTURE BOND CONNECTION DETAIL



EXPANSION JOINT FOR PLASTIC CONDUIT



joint or expansion



CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date:
R.C.E: J3848
Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE
OVER SANTA ANA RIVER
UTILITIES SUPPORT AND MISC DETAILS NO.1

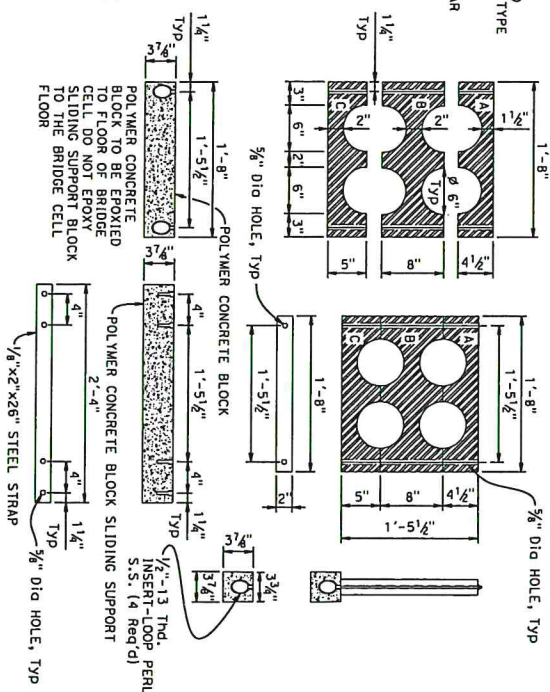
MATERIALS REQ'D PER SLIDING CONDUIT SUPPORT

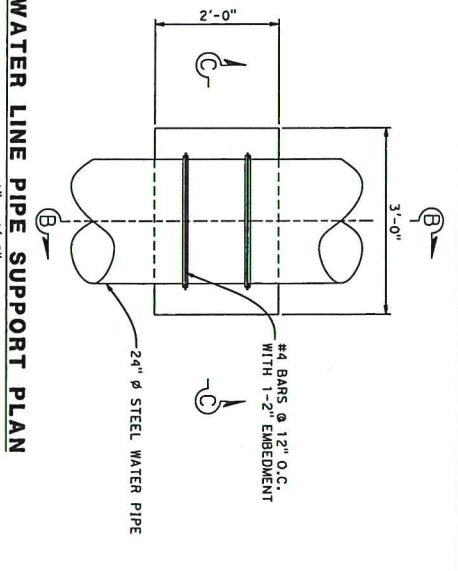
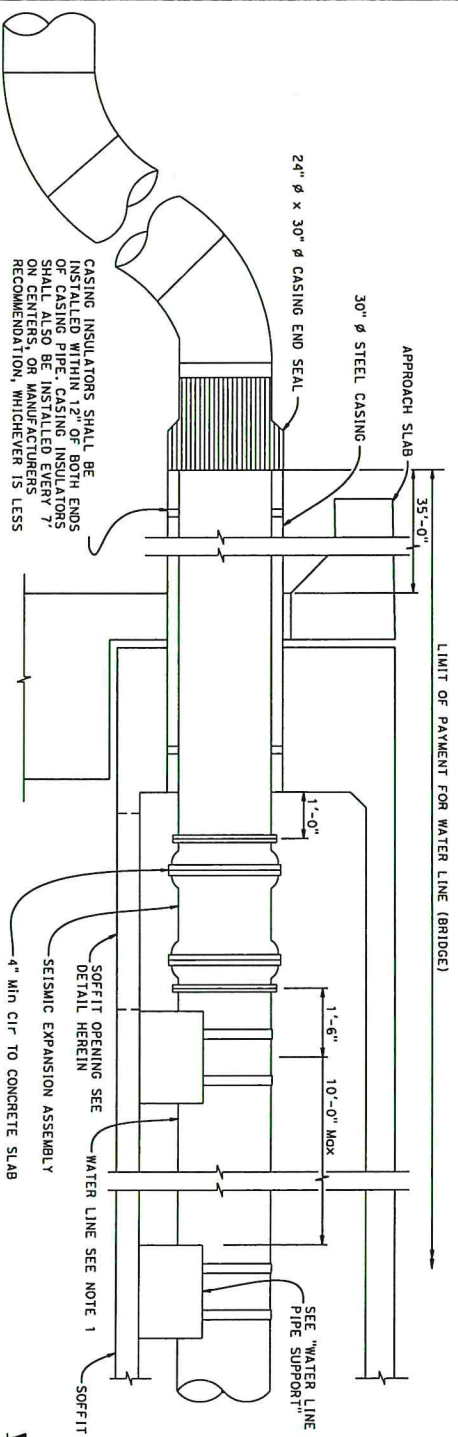
- 10- $\frac{1}{2}$ " HOT DIPPED GALVANIZED FLAT WASHER
8- $\frac{1}{2}$ " HOT DIPPED GALVANIZED CONCRETE BLOCK WASHER
6- $\frac{1}{2}$ "-13X1 $\frac{1}{2}$ " HOT DIPPED GALVANIZED BOLTS
9- $\frac{1}{2}$ "-13X2 $\frac{1}{2}$ " HOT DIPPED GALVANIZED ALL-TREAD ROD
2-1 $\frac{1}{2}$ "-13X2 $\frac{1}{2}$ " HOT DIPPED GALVANIZED STEEL STRAP
2-1 $\frac{1}{2}$ "-13X1 $\frac{1}{2}$ "-96 $\frac{1}{2}$ " ANGLE
2-1 $\frac{1}{2}$ "-13X1 $\frac{1}{2}$ "-96 $\frac{1}{2}$ " ANGLE
1-POLYMER CONCRETE BLOCK "A"
1-POLYMER CONCRETE BLOCK "B"
1-POLYMER CONCRETE BLOCK "C"

MATERIALS REQ'D PER SOLID CONDUIT SUPPORT

- 2-2-13 HOT DIPPED GALVANIZED NUT
2-2-13 HOT DIPPED GALVANIZED WASHER
2-2-13 HOT DIPPED GALVANIZED LOCK WASHER
2-2-13X30" HOT DIPPED GALVANIZED ALL-THREAD ROD
1-3/4"x3/4"x1"-8" POLYMER CONCRETE BLOCK "A"
1-POLYMER CONCRETE BLOCK "A"
1-POLYMER CONCRETE BLOCK "B"
1-POLYMER CONCRETE BLOCK "C"

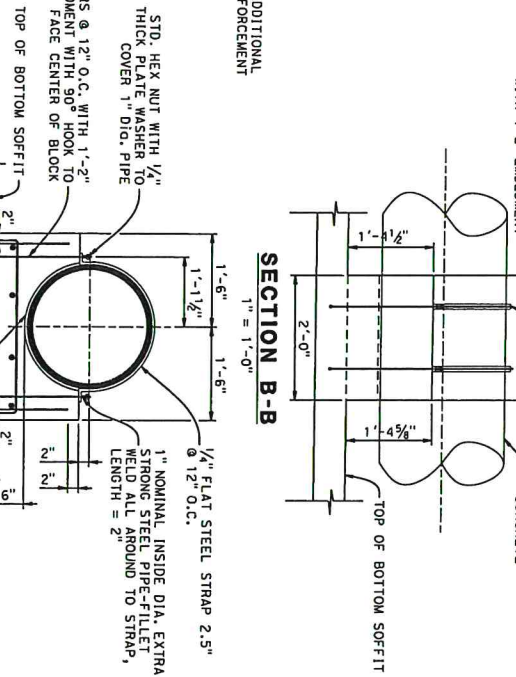
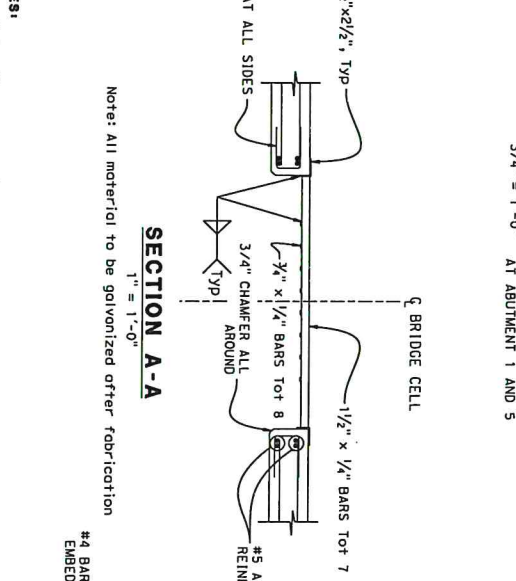
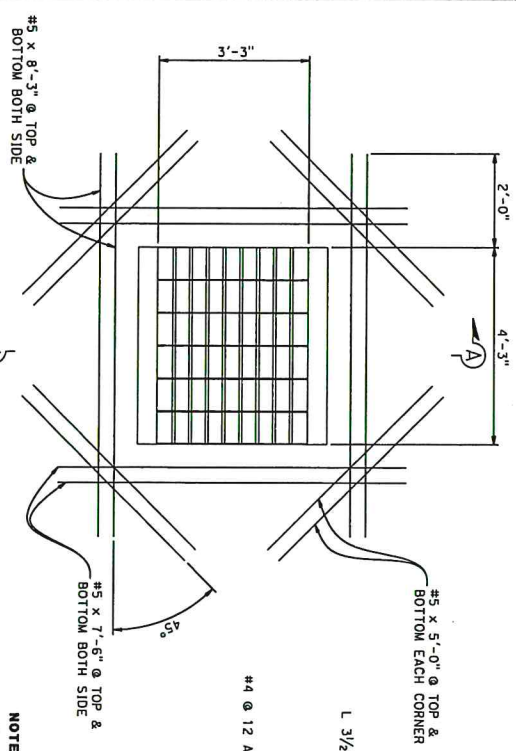
552.0' BRIDGE/5' SPACING
105 SUPPORTS REQ'D
ALL PARTS OF SUPPORT (EXCLUDING BLOCK) TO BE HOT
DIPPED GALVANIZED AFTER FABRICATION
12 EXPANSION JOINT(S) REQ'D PER UGS-C0191 (4'-5")





WATER LINE INSTALLATION DETAIL

3/4" = 1'-0" AT ABUTMENT 1 AND 5



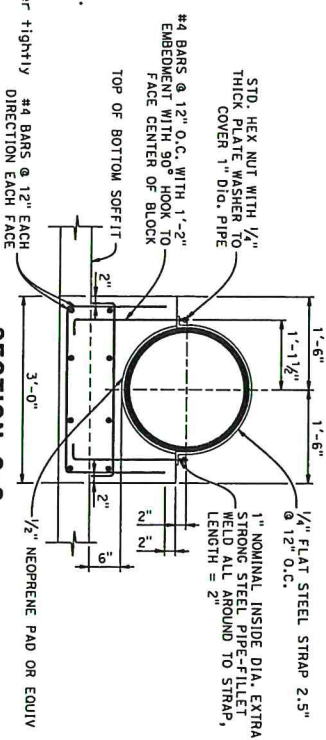
- NOTES:**
1. Water line shall be installed parallel to centerline of girder.
 2. For continuation of waterline at ends, see "ROAD PLANS".
 3. Seal steel casing at abutments with concrete or mortar, after tightly wrapping steel casing with 2 layers of 15 lbs building paper.

SOFFIT OPENING - PLAN

3/4" = 1'-0"

SECTION C-C

1" = 1'-0"



REV	BY	DESCRIPTION	APPROVED	DATE	DESIGN	BY	CHECKED	DATE	QUANTITIES	BY	CHECKED
1					DETAILS	BY	C. Estrada				
2											

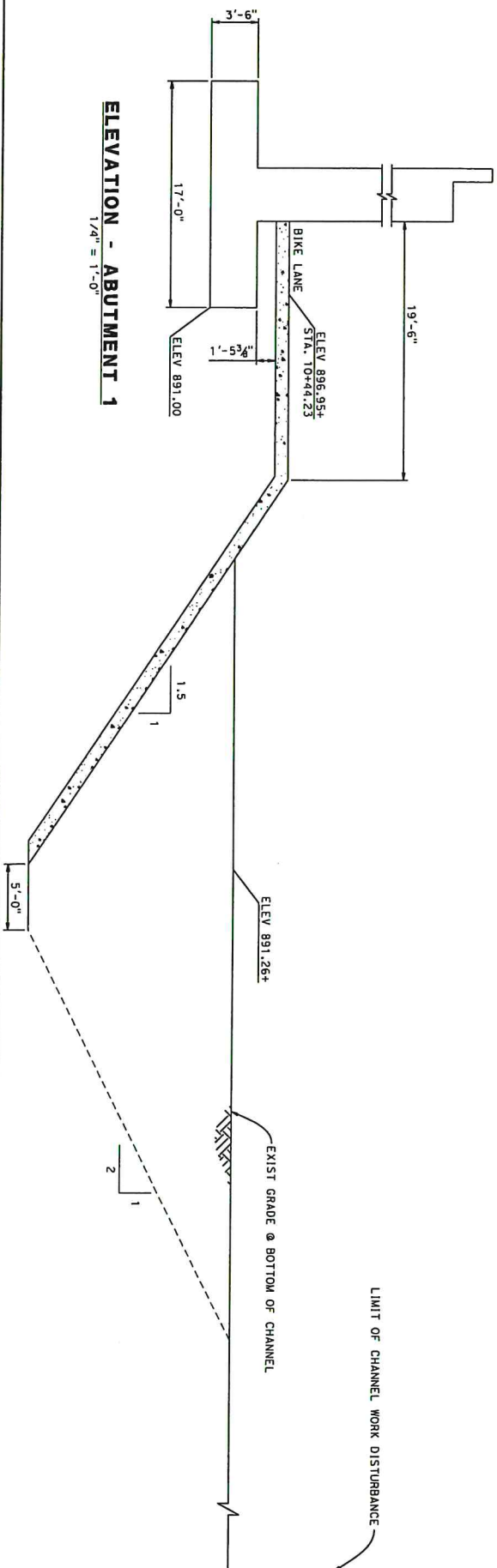
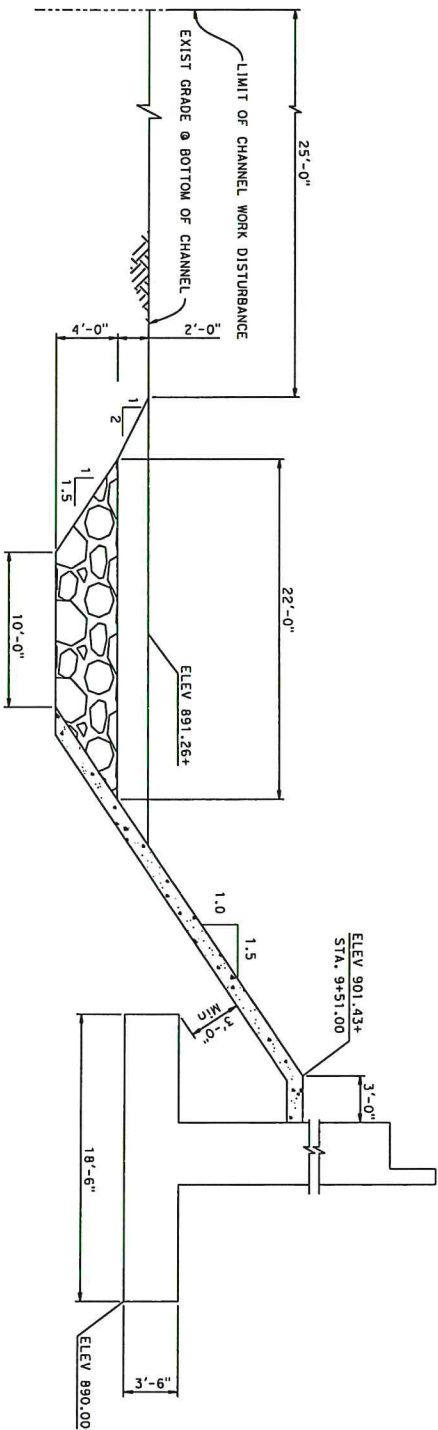


im
Consulting Engineers, Inc.
300 S Harbor Blvd, Suite 710
Anaheim, CA 92805
Date: R.C.E. 7/34/18

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer Victor Ortiz, P.E.
Date: R.C.E. 7/34/18

LA CADENA DRIVE BRIDGE (REPLACE)
OVER SANTA ANA RIVER
UTILITIES SUPPORT AND MISC DETAILS NO.2

PROJECT NO.	DATE
77-777	7/31/15



DATE	BY	DESCRIPTION	AMOUNT	DATE	SECTION	BY	W. CHN	CHECKED
1			G. ESTER		DETAILS	BY	G. ESTER	CHECKED L. LIU
2					QUANTITIES	BY	-	CHECKED -
3						BY		CHECKED -

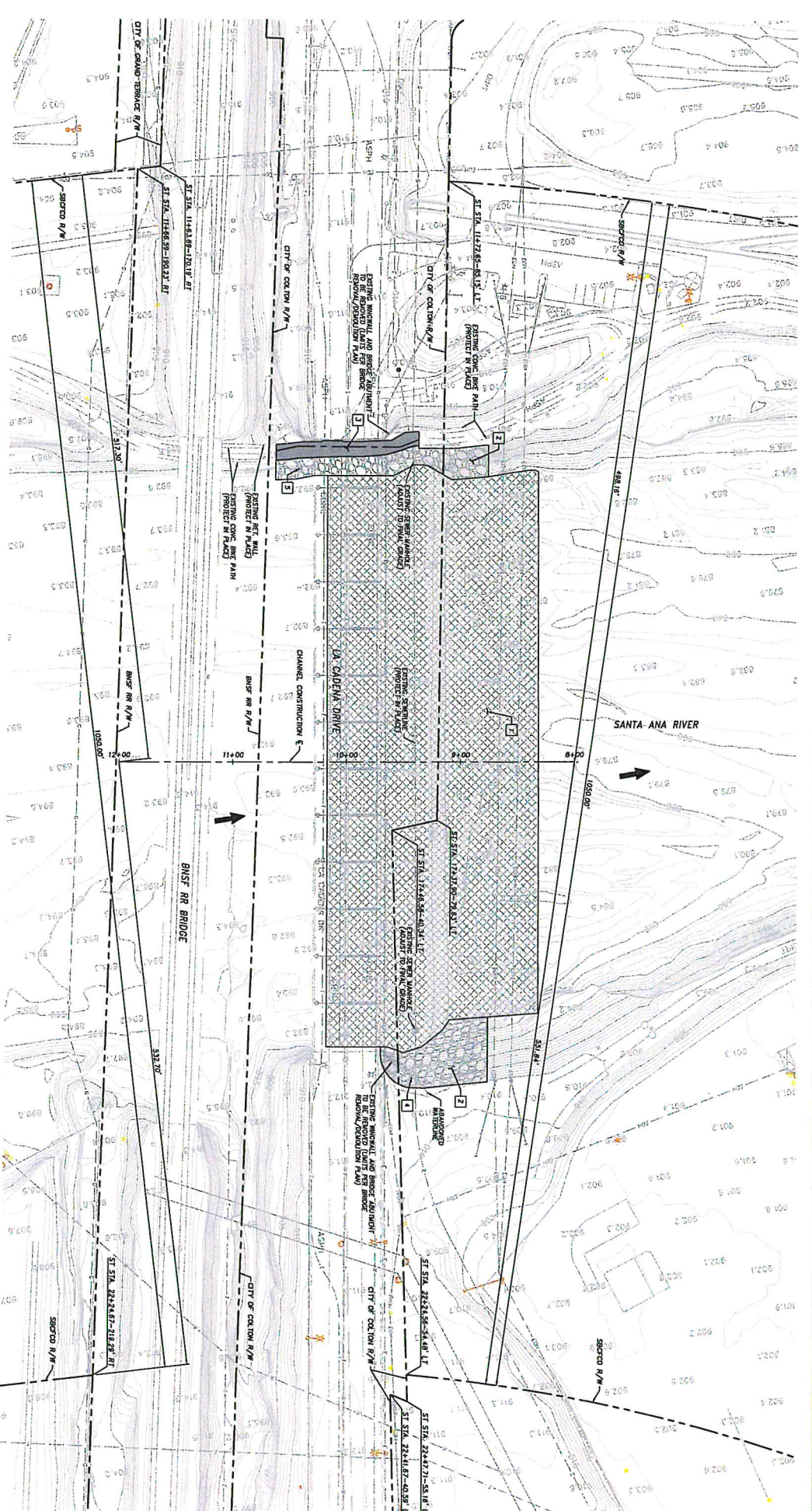


CITY OF COLTON
PUBLIC WORKS DEPARTMENT
City Engineer: Victor Ortiz, P.E.
Date: _____
R.C.E: 73848
Exp: 06/30/17

LA CADENA DRIVE BRIDGE (REPLACE) OVER SANTA ANA RIVER	BRIDGE NO.	77-777
	POST MILES	-
CHANEL IMPROVEMENT	BRIDGE NO.	-
	POST MILES	-

GRADING NOTES

- [illegible]



DEMOLITION NOTES

- 1 REMOVE EXISTING UTILITY PROTECTION BLANKET
- 2 REMOVE EXISTING GROUTED PILECAP
- 3 REMOVE EXISTING CONCRETE BRG PAVK
- 4 REMOVE PORTION OF EXISTING MAINLINE AND CONCRETE ENCLOSURE TO FACILITATE CONSTRUCTION OF CONCRETE SLOPE DRAIN
- 5 REMOVE EXISTING 36" STORM DRAIN AND OUTLET STRUCTURE TO FACILITATE CONSTRUCTION OF CONCRETE CHANNEL DRAIN AND BRG INVAL

ESTIMATED QUANTITIES

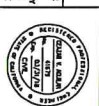
ITEM	QUANTITY
1	15
2	15
3	1,889
4	48
5	17

LEGEND

- REMOVE EXISTING UTILITY PROTECTION BLANKET
- REMOVE EXISTING GROUTED PILECAP
- REMOVE EXISTING CONCRETE BRG PAVK

Underground Service Alert
Call-TOLL FREE
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
CITY OF COLTON BENCH MARK 19-1
A BENCHMARK HAS BEEN PLACED IN THE
FIELD AT THE INTERSECTION OF THE
EXISTING 36" STORM DRAIN AND
CHANNEL CONSTRUCTION PLAN



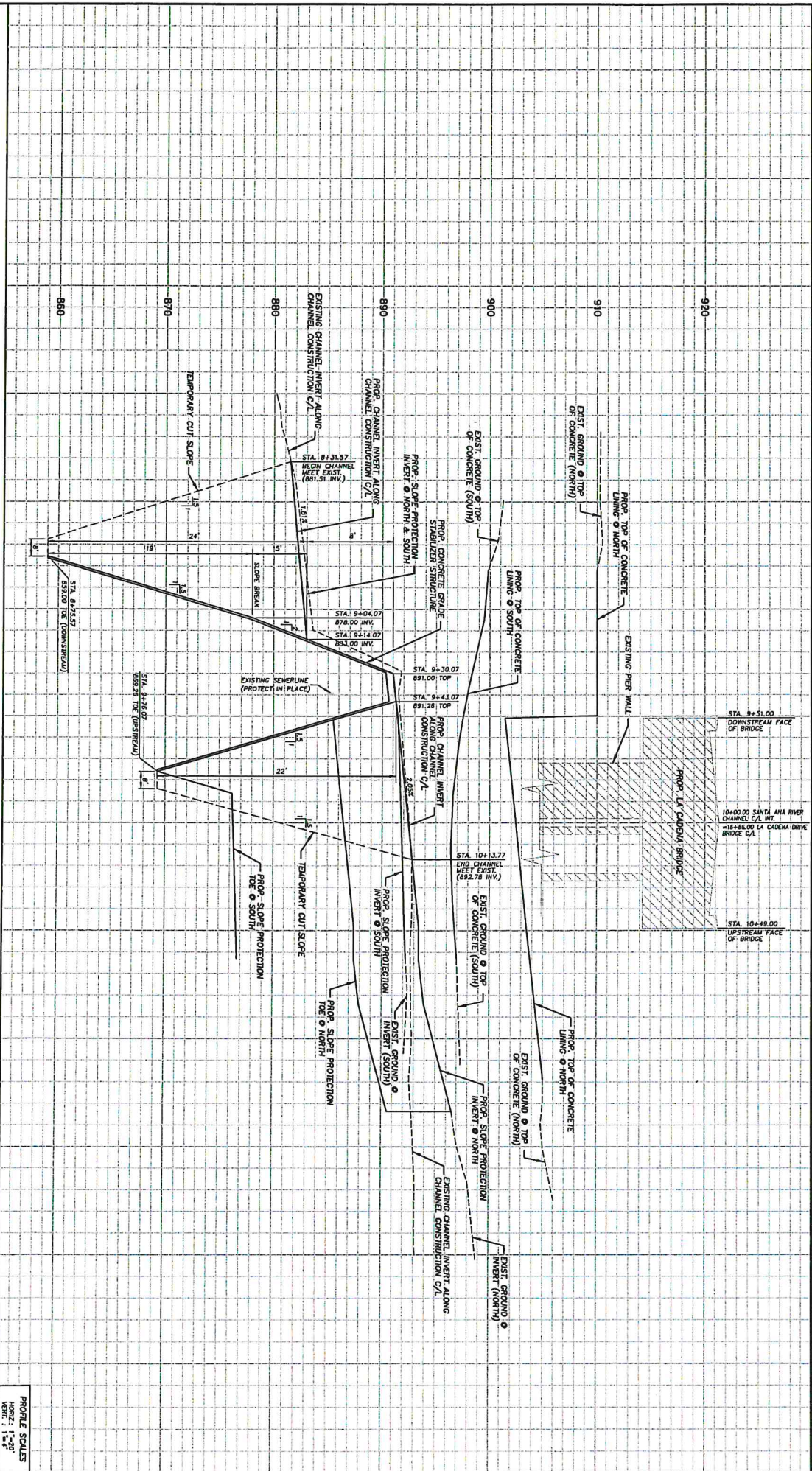
PREPARED BY:
MCI
2115 GARDEN AVENUE, SUITE 301
GARDEN GROVE, CA 92647
TEL: (714) 941-1111 FAX: (714) 941-1112

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
DATE: 12/31/2024
PROJECT: CHANNEL CONSTRUCTION PLAN
SHEET NO. 1111
SHEET 3 OF 8



ELEVATIONS AND STATIONS ON PROFILE ARE REFERENCED PERPENDICULAR TO CHANNEL CENTERLINE AS SHOWN ON SHEET 4.

8+00 8+50 9+00 9+50 10+00 10+50 11+00 12+00



PROFILE SCALES
HORIZ: 1"=20'
VERT: 1"=4'

Underground Service Alert
Call TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

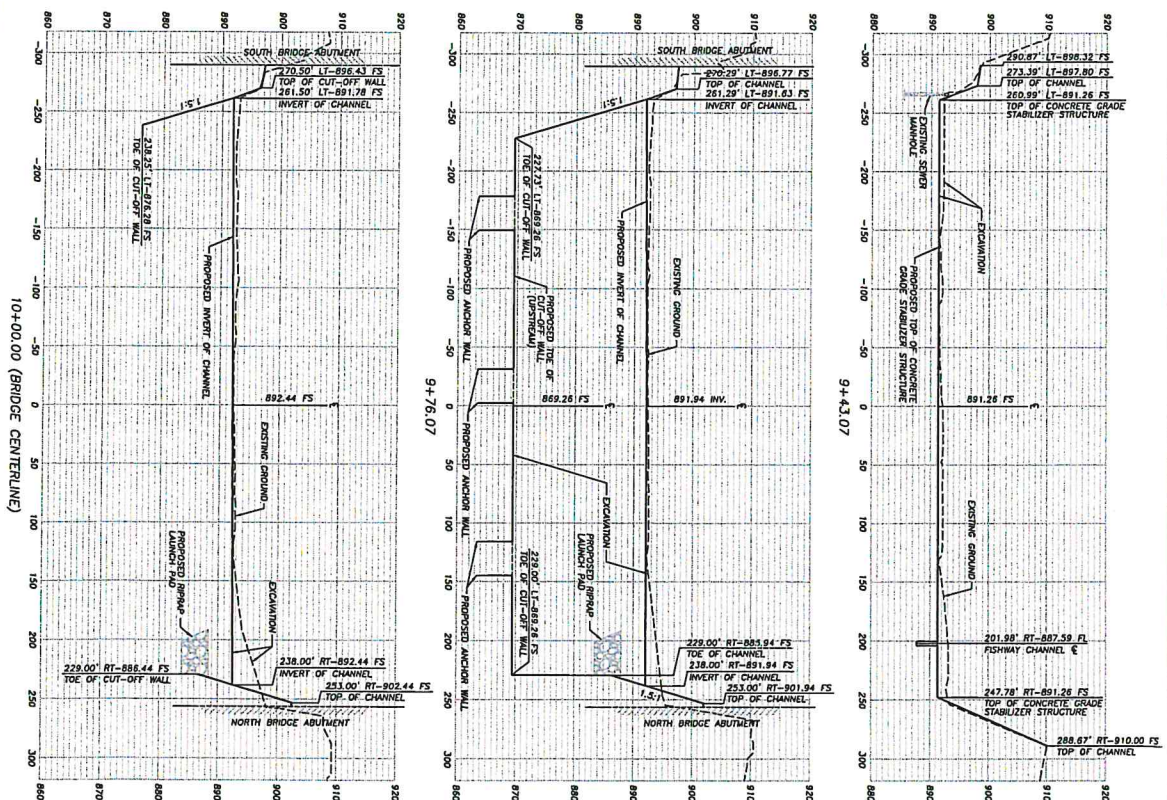
BENCHMARK
CITY OF COLTON BENCH MARK 793-4
A SURVEYOR'S BENCH MARK SET AT THE
FIRST NAD83 TIE TO THE GROUND BRIDGE
CROSSING THE SANTA ANA RIVER



PREPARED BY:
MC1
2115 ORANGE AVENUE, SUITE 201
IRVING, CA 92602
TEL: (949) 261-4444 FAX: (949) 261-4444

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
DATE: 12/13
DESIGN: 12/13/17
CHECKED: 12/13/17
APPROVED: 12/13/17

PROJECT: CHANNEL IMPROVEMENT PLAN
SHEET: CHANNEL IMPROVEMENT
SHEET 5 OF 8



CHANNEL, UNIMOLEMENT PLAYS CONCRETE ONCE STABILIZED STRUCTURE UNDER LA CALADIA DRIVE BRIDGE CROSS SECTIONS	NOTES	
	DATE	BY, JN
	SCALE	
	DATE 1-1-67	
	DATE 5-1-67	
	NO. H-H-11	
	SHEET 8 OF 9	

TABLE 1 TOTAL ROCK DOWNSTREAM OF PROPOSED CONCRETE GRADE STABILIZATION STRUCTURE

LOCATION	TOTAL SCOUR DEPTH (FEET)	MAXIMUM SCOUR DEPTH (FEET)	MAXIMUM SCOUR ELEVATION
DOWNSTREAM OF PROPOSED STRUCTURE	24.00	883.00	855.00

TABLE 2 TOTAL SCOUR AT THE PROPOSED PIER

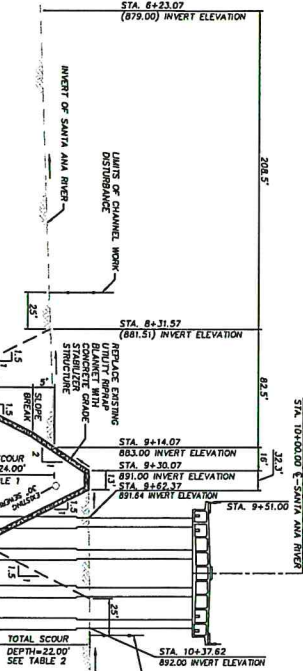
LOCATION	TOTAL SCOUR DEPTH (FEET)	MAXIMUM SCOUR DEPTH (FEET)	MAXIMUM SCOUR ELEVATION
DOWNSTREAM OF PROPOSED BRIDGE	23.00	882.00	870.00

TABLE 3 TOTAL SCOUR AT THE PROPOSED BRIDGE ABUTMENT

LOCATION	TOTAL SCOUR DEPTH (FEET)	MAXIMUM SCOUR DEPTH (FEET)	MAXIMUM SCOUR ELEVATION
DOWNSTREAM OF PROPOSED BRIDGE	17.50	892.00	874.50

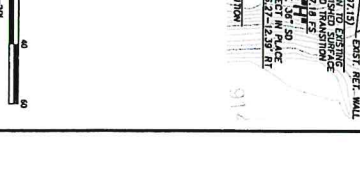
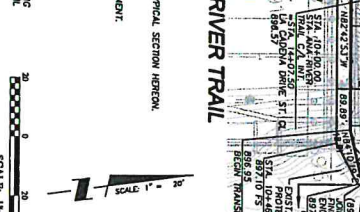
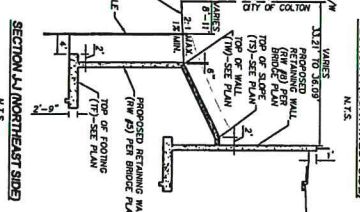
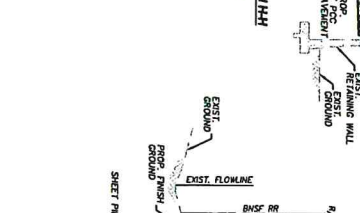
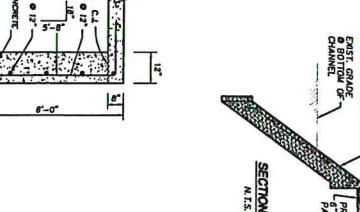
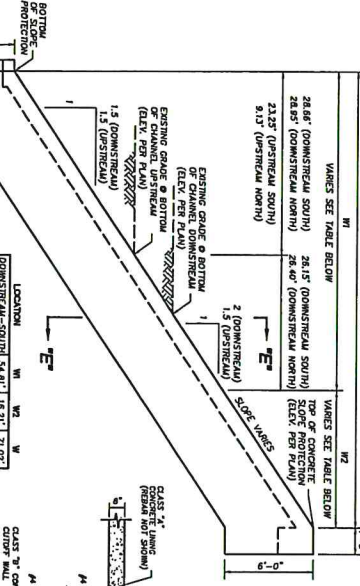
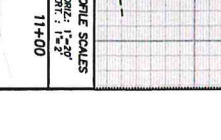
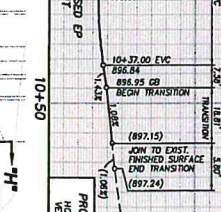
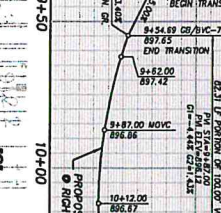
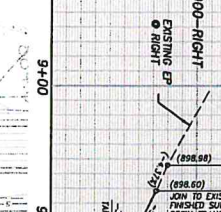
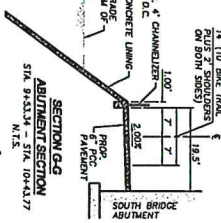
SECTION B-B (SOUTH SIDE)

SECTION C-C (NORTH SIDE)



SECTION D-D (SOUTH SIDE)

SECTION E-E (NORTH SIDE)



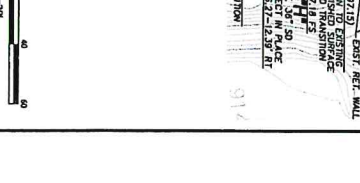
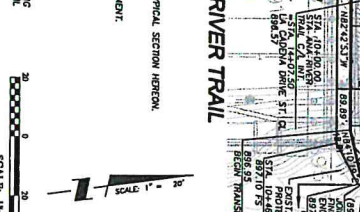
Underground Service Alert
Call-Toll FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

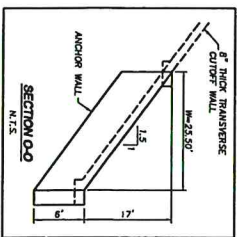
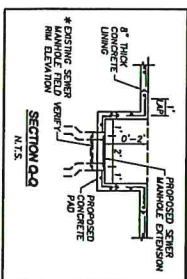
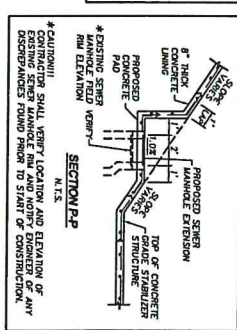
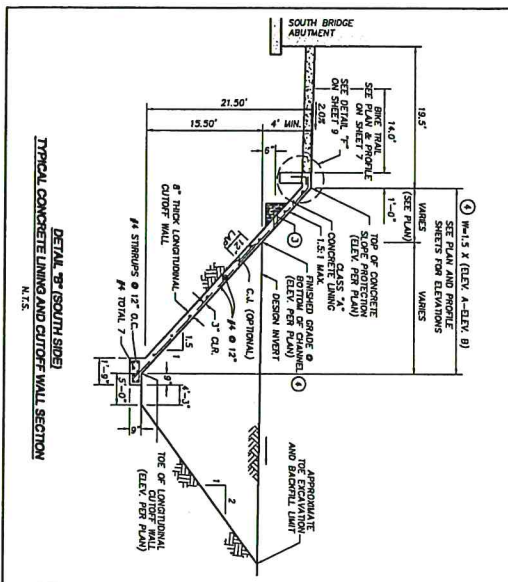
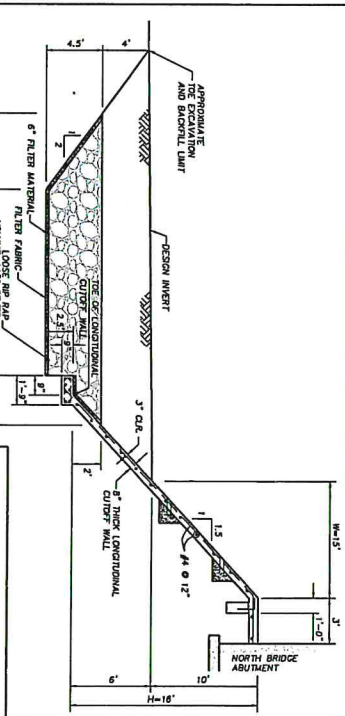
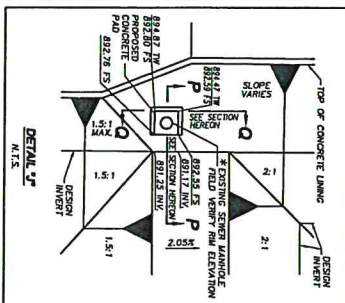
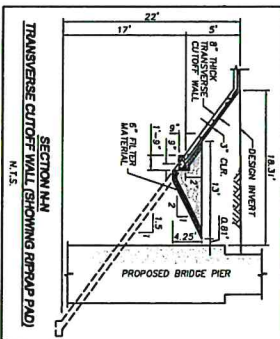
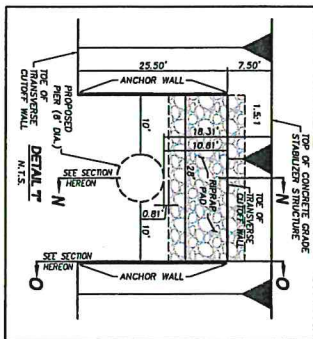
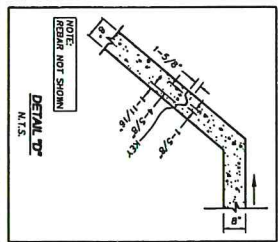
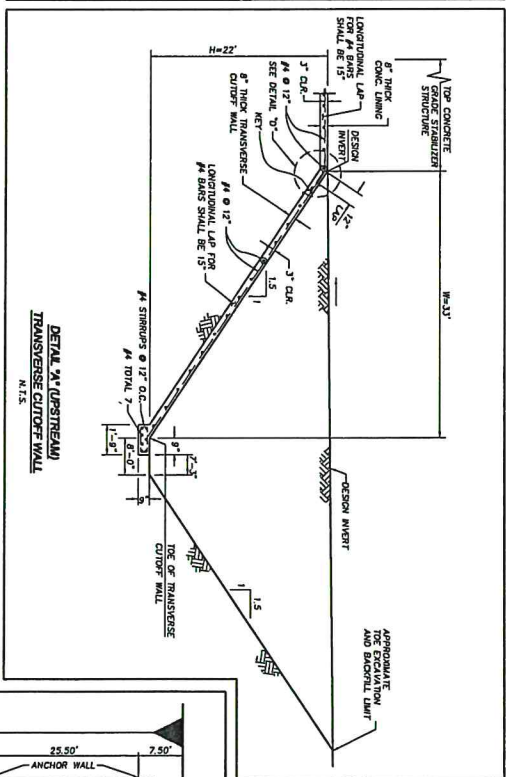
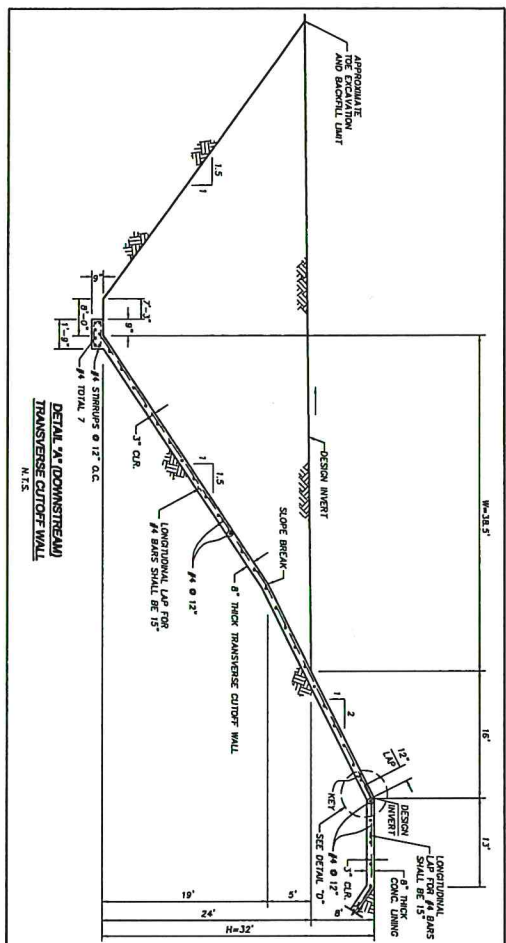
BENCHMARK
CITY OF COLTON
2135 CHURCH STREET, SUITE 301
COLTON, CA 92307
TEL: 951-261-1111 FAX: 951-261-1111

PREPARED BY:
MCI
MCI CONSULTING INC.
2135 CHURCH STREET, SUITE 301
COLTON, CA 92307
TEL: 951-261-1111 FAX: 951-261-1111

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ENGINEER: J. L. BROWN
DATE: 4/24/11
PROJECT: SANTA ANA RIVER TRAIL
SANTA ANA RIVER TRAIL
PLAN NO. 11111
SHEET 7 OF 7

- CONSTRUCTION NOTES**
- CONSTRUCT 4" RCC PAVEMENT PER TYPICAL SECTION HEREIN.
 - INSTALL 4" CHANNELIZER AT 4' O.C.
 - REMOVE AND REPLACE EXISTING PAVEMENT.





- NOTES**
1. REINFORCED PAVE JOINTS AT 15' ARE REQUIRED AT A MINIMUM OF 25' ALSO AT ALL CHANGES IN SECTION. REINFORCEMENT SHALL BE PLACED AT THE TOP OF THE JOINTS TO BE CONSIDERED AS A WEAR SURFACE. REINFORCEMENT SHALL BE PLACED AT THE TOP OF THE JOINTS TO BE CONSIDERED AS A WEAR SURFACE.
 2. LONGITUDINAL LAP FOR #4 BARS SHALL BE 15'.
 3. 3-4" DIA. ANCHORS WITH 18" MIN. EMBEDMENT SHALL BE USED TO ANCHOR THE WALL TO THE FOUNDATION.
 4. SEE PLAN AND PROFILE SHEETS FOR ELEVATIONS, DIMENSIONS (D), AND WIDTHS (W).

Underground Service Alert
Call TOLL FREE
1-800-422-6133
THE WORKING DAYS BEFORE YOU DIG

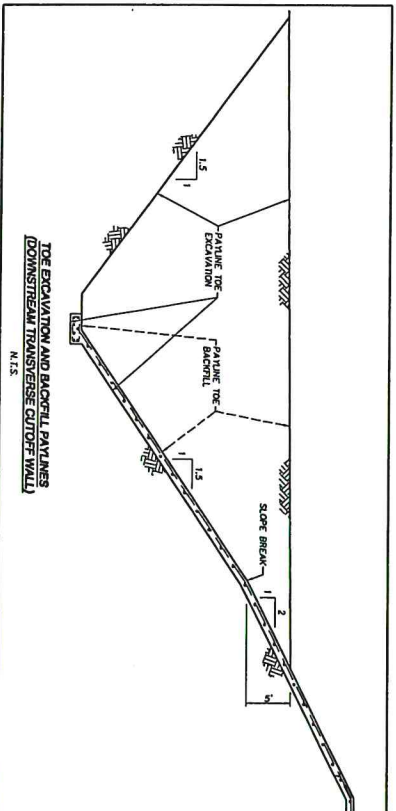
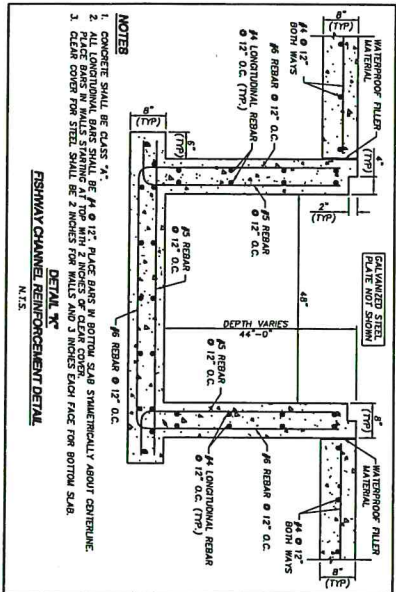
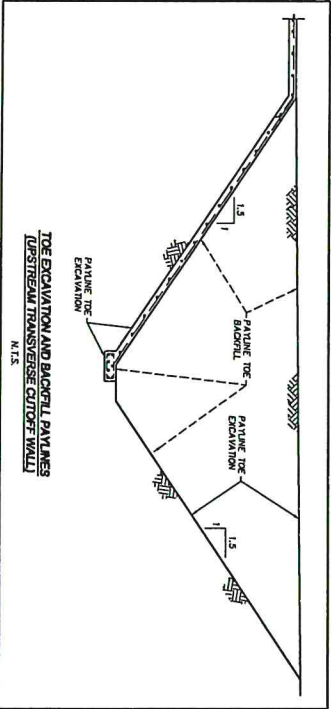
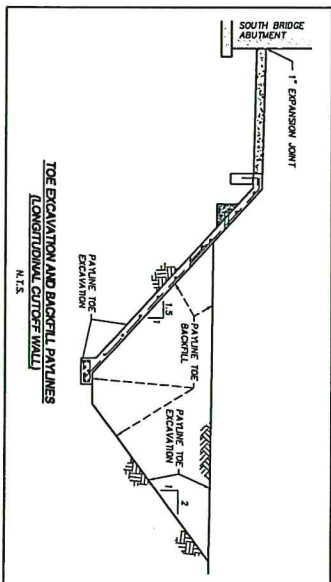
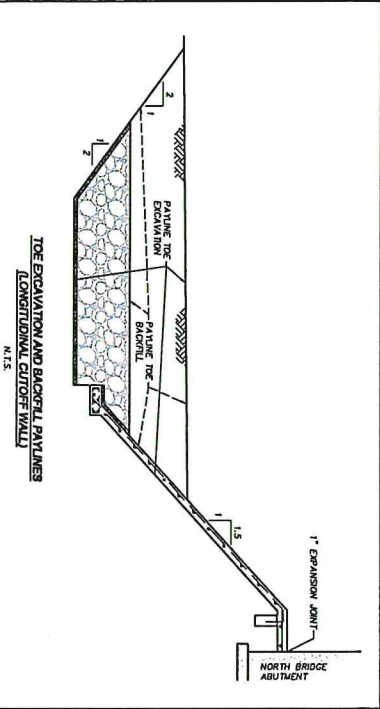
BENCHMARK
CITY OF COLTON RIGHT-OF-WAY 103-3
A TYPICAL SURVEYING BENCHMARK
SHALL BE SET IN THE
RIGHT-OF-WAY AT THE
CROSSING OF THE MAIN CANAL



PREPARED BY:
MCI
3100 GORDON AVENUE, SUITE 201
MCKINNEY, TX 75069
TEL: 972-261-1111 FAX: 972-261-1114

CITY OF COLTON
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
DATE: 10/21/17
CHANEL WATKINS
CITY OF COLTON
CITY ENGINEER
DATE: 10/21/17

CONTRACT INFORMATION
PROJECT: CUTOFF WALL
SHEET NO. 11111
SHEET 8 OF 8



CITY OF COLTON
COUNTY OF SAN BERNARDINO, CALIFORNIA
LA CADENA DRIVE OVER SANTA ANA RIVER
BRIDGE REPLACEMENT
BRIDGE NO. 54C-0077
PROJECT NO. BRLS-5065(014)
WATER IMPROVEMENT PLANS -PLAN NO 7676

[illegible]

11. NO WATER METER SHALL SERVICE MORE THAN ONE PARCEL, REGARDLESS OF PRODUCT SIZE. PARCELS MUST BE MERGED.

12. FIRE HYDRANTS MAY NEED 6" STEEL GUARD POSTS AS DETERMINED BY THE INSPECTOR

15. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE 81-800-422-4122, TWO (2) WORKING DAYS BEFORE DITCHING. NO INSPECTION WILL BE PROVIDED

17. DISINFECTION OF PORTABLE WATER SUPPLY SHALL BE DONE BY THE CONTRACTOR. DISINFECTION SHALL BE DONE BY CHLORINATION IN ACCORDANCE WITH THE CITY OF COLTON FIRE DEPARTMENT, COLTON STANDARD DRAWING NO. 700 UNLESS OTHERWISE SPECIFIED BY THE CITY OF COLTON FIRE DEPARTMENT.

WATER MAINS, A BACTERIOLOGICAL TEST SHALL BE MADE BY THE CONTRACTOR, THE CONTRACTOR SHALL NOT MAKE ANY CONNECTIONS UNTIL THE RESULTS OF SUCH TESTS ARE RECEIVED BY THE WATER/WASTEWATER MANAGEMENT DEPARTMENT AND ARE NEGATIVE.

18. IT SHALL BE THE WATER CONTRACTOR'S RESPONSIBILITY TO ADJUST ALL VALVE CAP UDS TO FINISH GRADE AFTER FINAL PAVING.

21. CONTRACTOR SHALL NOTE THAT SURVEY MONUMENTS, BY STATE LAW, SHALL BE PROTECTED AND PERPETUATED, WHEN MONUMENTS ARE NEAR THE PATH OF CONSTRUCTION, THE CONTRACTOR SHALL HAVE THE MONUMENT LOCATED AND REFERENCE OUT BY A LICENSED LAND

22. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING STORMWATER POLLUTION PREVENTION AS SUCH THE CONTRACTOR SHALL FOLLOW THE CURE

CALIFORNIA REGIONAL WATER QUALITY BOARD ISSUING A FINE, THE CONTRACTOR WILL BE HELD RESPONSIBLE AND SHALL PAY THE FINE.

NOTE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES

INDEX OF SUBJECTS

LEGEND

INDEX MAP

SCALE 1" = 100'

1	INLET SHEET, INLET MAN, SHEET PILE, INLET AND GENERAL NOTES	△	INLET BLOCK
2-3	WATER LINE PLAN AND PROFILE		
4	TYPICAL SECTIONS	⊗	WATER VALVE
			① ABANDON IN PLACE AND DEGRADE CATCHER OF WATER AFTER CONSTRUCTION OF NEW 24" WATER AND SWITCH OFFER OF WATER SERVICE

PROPOSED TELICOM LINE

1. INSTALL 2nd OF Q-750 PFC WITH BONDED JOINTS REFER TO BRCCG PLANS FOR PFC SUPPORT DETAILS FOR INSTALLATION WITHIN BRCCG LIMITS

2. PROTECT EXISTING 2nd B.Y.

AT&T CALIFORNIA DISTRIBUTION, SUBSTRUCTURE.....714-507-3526 CITY OF COLTON - ELECTRIC.....909-370-5144 CITY OF COLTON - WATER & WASTEWATER.....909-370-6192	continued from previous page EXISTING GAS LINE	① INSTALL 3rd 45° ELBOW ② INSTALL 3rd DUCTILE IRON EXPANSION JOINT DOUBLE-BALL TYPE
---	---	---

RIVIEROLE WATERSHED WATER.....909-823-6128 SAN BERNARDINO MUNICIPAL WATER DEPARTMENT.....909-372-3403 SANTA ANA WATERSHED PROJECT AUTHORITY.....951-354-4220 SOUTHERN CALIFORNIA Edison	12.....1-812-..... EXISTING TELCOMUNICATIONS LINE	(2) INSTALL 3" VALVE BR/VJ (1) INSTALL 2" x 8" TEE
---	---	--

THE WAGNER CARL.....909-875-3398

① MIXTAL 24" X 6" REDUCER

② MIXTAL 24" X 6" REDUCER

③ METALL. 6" CHAIN AND CONNECT TO FLOWING

21) MAKE VALVE COVERS TO MATCH CALDE
22) CONSTRUCT 6" FRC INFLANT ASSEMBLY WITH VALVE FOR CITY OR COLTON STD
CANDY FLUID AND RECOVERED AND REUSE MATERIALS

INC - TIME WARNER CABLE
TWT - TIME WARNER TELECOM

(25) POSTAL BLUE RETROFLECTIVE PANTOON MARKED PER CITY OF CALTON ONE

GEOTECHNICAL ENGINEER:	Underground Service Alert	DATE:	PREPARED BY:	CITY OF
------------------------	---------------------------	-------	--------------	---------

**BE ONLY
DUCTION**

FOUNDED VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3928

1-800
422-4133

LEV = 99340 TELL (NO 7)

3257 E. GUASTI ROAD
SUITE 120
MILPITAS, CA 95035
TEL: 784-8600

T STDS

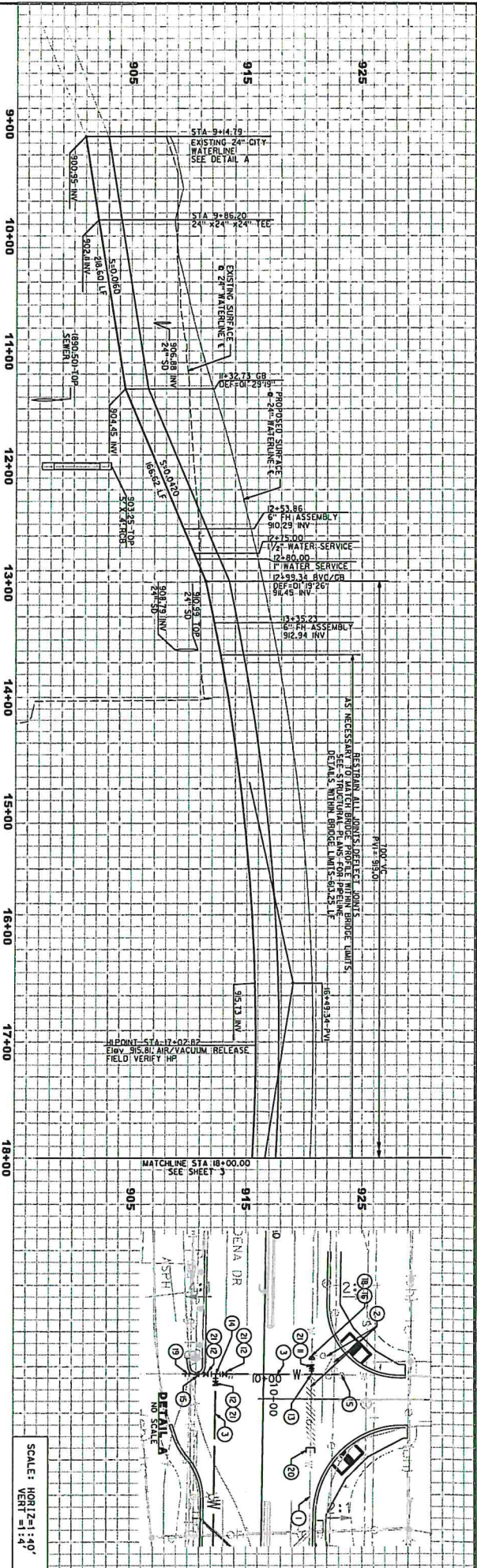
COLEMAN			
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DATE	LA CUBANA DRIVE OVER	DATE: 04/20/17
NAME	BAYTA AYA INTER	
PHONE	REPLACEMENT PROJECT	
UNIT		

1

[illegible][illegible]

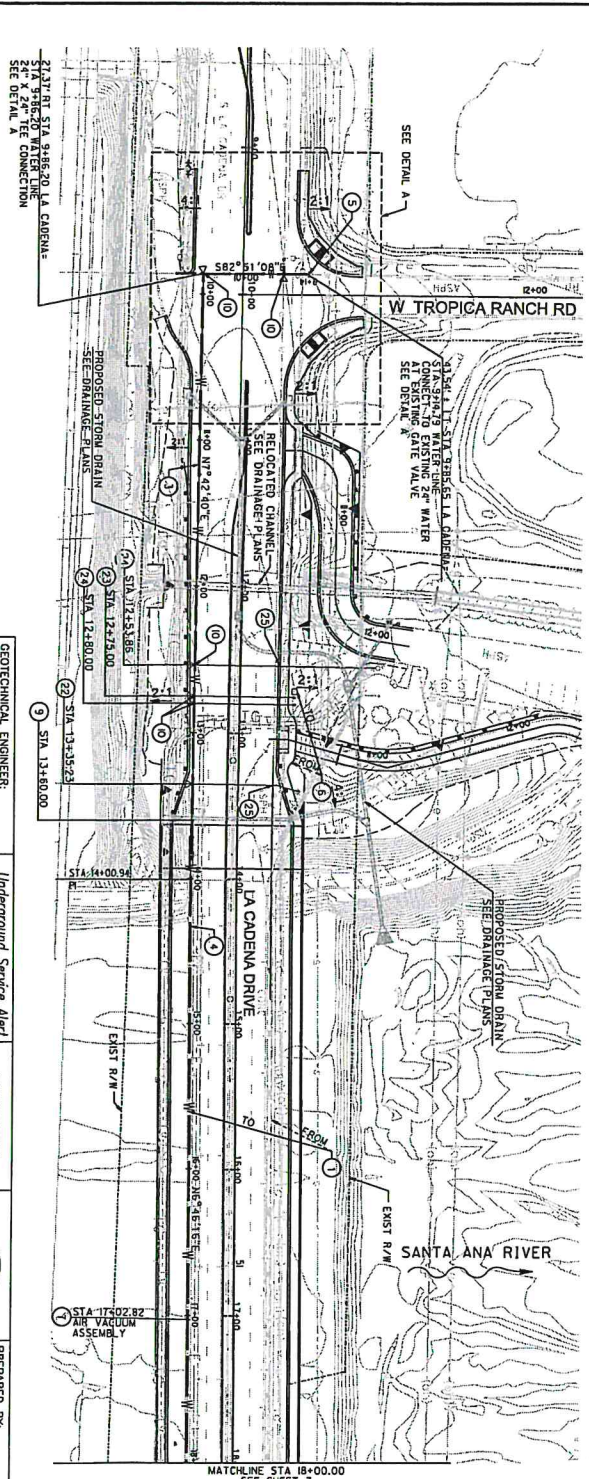
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SCALE: HORIZ=1"=40'
VERT=1"=4'

WATER CONSTRUCTION NOTES

1. LANSING 18" PPE AND BENTON CLAY 2" WATER METER CONSTRUCTION OF NEW 24" WATER AND SERVICE
2. REMOVE EXISTING FITTINGS AND WATER LINES
3. INSTALL 24" OR CL-250 PPE & PPE BENDING WITH BONDED JOINTS PER CITY OF COLTON SPS 1, SPCS
4. INSTALL 24" OR CL-250 PPE WITH BONDED JOINTS REFER TO BROGE PLANS FOR PRE-SUPPORT DETAILS FOR INSTALLATION WITHIN BROGE LIMITS
5. PROTECT EXISTING 24" B.S.V.
6. RELOCATE EXISTING BACK FLOW PREVENTER
7. INSTALL 18" VACUUM ASSEMBLY PER CITY OF COLTON S10 107
8. INSTALL 24" VALVE (B.S.V.)
9. INSTALL 24" VALVE (B.S.V.)
10. INSTALL 24" X 8" TEE
11. INSTALL 24" X 8" TEE
12. INSTALL 24" X 8" TEE
13. INSTALL 24" X 8" TEE
14. INSTALL 24" X 8" TEE
15. INSTALL 24" X 8" TEE
16. INSTALL 24" X 8" TEE
17. INSTALL 24" X 8" TEE
18. INSTALL 24" X 8" TEE
19. INSTALL 24" X 8" TEE
20. INSTALL 24" X 8" TEE
21. INSTALL 24" X 8" TEE
22. RIGID VALVE COVERS TO FINISH GRADE
23. CONSTRUCT 6" PRE-HIGHMANT ASSEMBLY WITH VALVE PER CITY OF COLTON S10 100
24. INSTALL 14" WATER METER FOR LANDSCAPE PROTECTION PER CITY OF COLTON S10 102
25. INSTALL 14" WATER METER PER CITY OF COLTON S10 101
26. INSTALL BLUE RETROREFLECTIVE PAVEMENT MARKER PER CITY OF COLTON PRC 007 S105

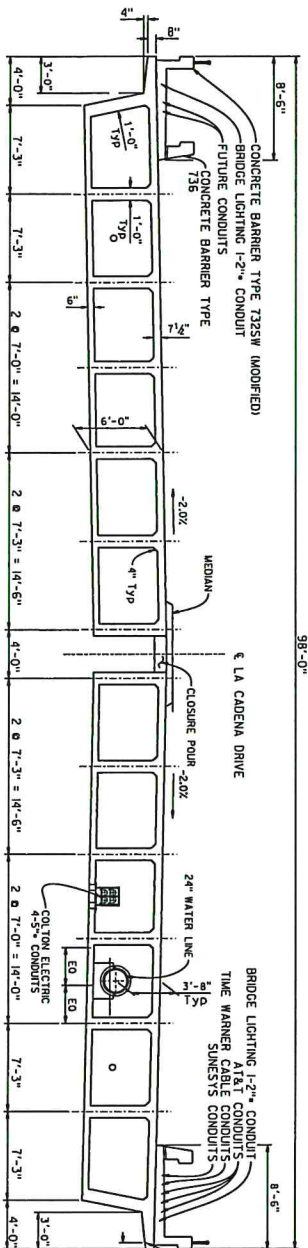


NOTE
UTILITIES OTHER THAN THE WATER LINE
CONSTRUCTION OF EXISTING UTILITIES
AND DEPTH OF EXISTING UTILITIES
PRIOR TO BEGINNING CONSTRUCTION

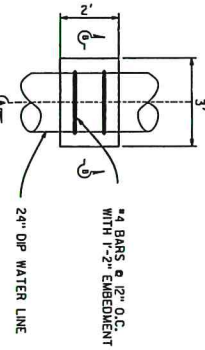
60% P&E SUBMITTAL
FOR INTERNAL USE ONLY
NOT FOR CONSTRUCTION

GEOTECHNICAL ENGINEER: EMPI MECHANICAL, INC. 17800 NEWMORE STREET, SUITE B FOUNTAIN VALLEY, CA 92708 PH: (714) 751-3328		Underground Service Alert CALL/TOLL FREE 1-800 422-4133 TWO WORKING DAYS BEFORE YOU DIG	BENCHMARK ETL OF COLTON FROM JAN 13-14 ETL - 800448 (721 1400 21) A STATIONED SAN BERNARDINO COUNTY ETL OF 14" WATER MAIN BRIDGE CROSSING THE SANTA ANA RIVER	PREPARED BY: JACOBS 3257 E. GUASTI ROAD SUITE 120 ONTARIO, CA 91761	CITY OF COLTON WATER/SEWER/STORMWATER DEPARTMENT NAME: JACOB GARCIA PHONE: (951) 261-1111 ADDRESS: 7275 DATE:	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>01-20-17</td> <td>BRIDGE PRELIMINARY PLAN</td> </tr> <tr> <td>2</td> <td>01-20-17</td> <td>WATER IMPROVEMENT PLAN</td> </tr> <tr> <td>3</td> <td>01-20-17</td> <td>WATER IMPROVEMENT PLAN</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	01-20-17	BRIDGE PRELIMINARY PLAN	2	01-20-17	WATER IMPROVEMENT PLAN	3	01-20-17	WATER IMPROVEMENT PLAN	SHEET 2 OF 4
NO.	DATE	DESCRIPTION																	
1	01-20-17	BRIDGE PRELIMINARY PLAN																	
2	01-20-17	WATER IMPROVEMENT PLAN																	
3	01-20-17	WATER IMPROVEMENT PLAN																	

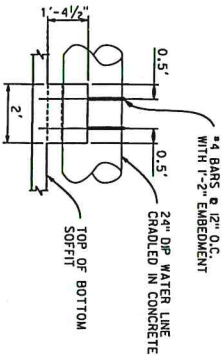
NOTE:
BRIDGE, TYPICAL SECTION AND WATER PIPE SUPPORT DETAILS ARE SHOWN
FOR INFORMATION ONLY. SEE APPROVED BRIDGE PLANS FOR FINAL LAYOUT.



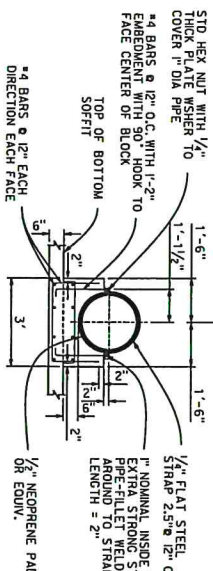
BRIDGE TYPICAL SECTION



WATER LINE PIPE SUPPORT PLAN



SECTION A-A



SECTION B-B

NOTES:
1. OMIT MEDIAN FROM
STA 9+59.21 TO STA 10+58.97
2. RAISED MEDIAN OCCURS BEYOND
STA 10+58.97 TO STA 11+14.82
STA 9+54.16 TO STA 9+55.00

• 3' WIDE RAISED MEDIAN STA 9+55.00 TO STA 9+59.21
• 2' WIDE RAISED MEDIAN STA 10+58.97 TO STA 11+14.82

LA CADENA DRIVE TYPICAL SECTION OUTSIDE OF BRIDGE

N.T.S.
1"=10'

NOTE:
CONTRACTOR TO VERIFY LOCATION
AND DEPTH OF EXISTING UTILITIES
PRIOR TO BEGINNING CONSTRUCTION

86% DATE SUBMITTAL
FOR INTERNAL USE ONLY
NOT FOR CONSTRUCTION

GEOTECHNICAL ENGINEER:

1000 N. MICHIGAN STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3828

Underground Service Alert
Call/IDAL FREE
1-800-422-4133
THE KNOWING DAYS BEFORE YOU DIG

BENCHMARK
THE 4 CORNER POINTS OF THE
EAST 1/2 SECTION OF THE
A 1/2 SECTION OF THE
A 1/2 SECTION OF THE
A 1/2 SECTION OF THE

1000 N. MICHIGAN STREET, SUITE B
FOUNTAIN VALLEY, CA 92708
PHONE: (714) 751-3826
FAX: (714) 751-3828

PREPARED BY:
JACOBS
3257 E. GUASTI ROAD
SUITE 120
ONTARIO, CA 91761

CITY OF COLTON
WATER/SEWER DEPARTMENT
CITY ENGINEER
DATE: 06/20/17
APPROVED: [Signature]
PLAY NO. 7878

LA CADENA DRIVE OVER
WATER/SEWER TUNNEL
TYPICAL SECTION
SHEET 4 OF 4