

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
BOARD ACTION SUMMARY**

DEPT: Public Works

BOARD AGENDA:6.C.2
AGENDA DATE: October 30, 2018

SUBJECT:

Approval of the Consent to Common Use Agreement with Modesto Irrigation District (MID) for the St. Francis Avenue over MID Main Canal Bridge Replacement Project

BOARD ACTION AS FOLLOWS:

RESOLUTION NO. 2018-0538

On motion of Supervisor Withrow , Seconded by Supervisor Chiesa
and approved by the following vote,

Ayes: Supervisors: Olsen, Chiesa, Withrow, Monteith, and Chairman DeMartini


Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

- 1) Approved as recommended
- 2) Denied
- 3) Approved as amended
- 4) Other:

MOTION:

ATTEST: 
ELIZABETH A. KING, Clerk of the Board of Supervisors

File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
AGENDA ITEM**

DEPT: Public Works

BOARD AGENDA:6.C.2
AGENDA DATE: October 30, 2018

CONSENT:

CEO CONCURRENCE:

4/5 Vote Required: No

SUBJECT:

Approval of the Consent to Common Use Agreement with Modesto Irrigation District (MID) for the St. Francis Avenue over MID Main Canal Bridge Replacement Project

STAFF RECOMMENDATION:

1. Approve the Consent to Common Use Agreement between Stanislaus County and Modesto Irrigation District (MID) for the St. Francis Avenue over MID Main Canal Bridge Replacement Project.
2. Authorize the Chairman of the Board to sign the Consent to Common Use Agreement.
3. Authorize the Director of Public Works to take any appropriate action necessary to carry out the purpose and intent of these recommendations.

DISCUSSION:

The purpose of the St. Francis Avenue over Modesto Irrigation District (MID) Main Canal Bridge Replacement Project is to replace the existing obsolete bridge. The new bridge will be a 26-foot-wide and 107-foot-long double cell box culvert that meets the current roadway geometric and structural design standards.

The St. Francis Avenue Bridge was constructed in 1924 as a four-span, reinforced concrete slab bridge supported on spread footings. The bridge is approximately 55 feet in length and 21 feet wide. The bridge lacks structural capacity to meet current bridge design loading standards, there is insufficient deck width for current geometric standards, the railings do not meet current crash standards, and there are no guard railing or crash cushions at barrier corners on roadway approaches. The existing bridge has a sufficiency rating of 55 and is classified as functionally obsolete.

National Environmental Protection Act (NEPA) clearance was obtained under federal aid number BRLO-5938(193) on February 12, 2015, and the Notice of Exemption in accordance with California Environmental Quality Act (CEQA) was filed on October 14, 2015.

Public Works staff has been working with MID during the planning and design of this project. MID has approved project plans and specifications. Staff recommends approval of the Consent to Common Use Agreement between Stanislaus County and MID for the St. Francis Avenue over Modesto Irrigation District (MID) Main Canal Bridge Replacement Project. The agreement establishes the common use area and discusses

the construction and future maintenance responsibilities of each party.

Public Works staff anticipates advertising the project next summer with construction to begin in the fall of 2019.

POLICY ISSUE:

Government Code Section 23005 requires Board of Supervisors' approval for agreements with other agencies.

FISCAL IMPACT:

The total project cost is estimated to be approximately \$1,642,500 and is fully funded with Federal Highway Bridge Program funds and Toll Credits. Funding is included in the Fiscal Year 2018-2019 Adopted Final Public Works Road Projects Budget.

BOARD OF SUPERVISORS' PRIORITY:

The recommended actions are consistent with the Board's priority of *Delivering Efficient Public Services and Community Infrastructure* by replacing a functionally obsolete bridge with a structure that meets current roadway geometric and structural design requirements.

STAFFING IMPACT:

Existing Public Works staff is overseeing this project.

CONTACT PERSON:

David Leamon, Public Works Director

Telephone: (209) 525-4151

ATTACHMENT(S):

1. Common Use Agreement - St Francis Bridge
2. Common Use-St Francis Bridge Exhibits

No Recording Fees Required Per Government
Code Section 27383

No Documentary Transfer Tax

**RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO:**

Modesto Irrigation District
Secretary, Board of Directors
P.O. Box 4060
Modesto, California 95352

AGREEMENT CONSENTING TO COMMON USE

This Agreement Consenting to Common Use is made on December 4, 2018, by and between the Modesto Irrigation District, an irrigation district, hereinafter referred to as "District," and the County of Stanislaus, a political subdivision of the State of California, hereinafter referred to as "County."

This Agreement is made with reference to the following facts:

- A. The District has property interest in certain real property consisting of a strip of land, with certain improvements, ditches/canals, drainage facility or equipment thereon, which facility is commonly known and referred to as Modesto Irrigation District Lower Main Canal, hereinafter called "MID Facility".
- B. County desires, at County's expense, to construct, operate and maintain a bridge across the MID Facility for the purpose of the County's St. Francis Avenue Bridge Replacement Project, and to make such improvements within the area of the MID Facility hereinafter called the ("Facility Installation").
- C. The new Facility Installation will occupy a portion of MID Facility, which portion is hereinafter referred to as the "Area of Common Use", as described in **Exhibit "A"** and shown in **Exhibit "B"** attached hereto.

Now, therefore, IT IS AGREED as follows:

1. District, pursuant to the terms and conditions hereinafter set forth, hereby consents to the County's construction of the Facility Installation within the Area of Common Use. The Facility Installation shall be located within the Area of Common Use as set forth on Exhibits "A" and "B", attached hereto. The facilities to be installed and maintained under this Agreement shall conform to the plans and specifications attached hereto as **Exhibit "C"** and incorporated herein by this reference.

2. County acknowledges District's right to District's property and facilities situated at MID Facility within the Area of Common Use. District has and maintains the right to make full use of District's property and facilities in the Area of Common Use without need for any further permit or permission from County.

3. Except as specifically provided for in this Agreement, no alteration, improvement, installation, construction or use shall be made or permitted by County in, under, along, across, upon or in respect to the Area of Common Use or any other property or facility of District, without the prior written consent of District.

4. The construction of the Facility Installation consented to in Paragraph 1 of this Agreement shall be in compliance with the provisions of this Agreement and shall be coordinated with District's Water and Electric Operations Divisions.

5. County shall obtain District's approval of any and all facilities, construction plans and schedules, including the names and telephone numbers of the contractors, inspectors and the project manager, for the Facility Installation and any modifications within the Area of Common Use prior to commencement of any work within the Area of Common Use; provided however, that such approval shall not be unreasonably withheld. District may, at its discretion, but is not required to, inspect any and all work performed by County, or County's employees, agents or contractors, in the Area of Common Use. District's rights hereunder to inspect and approve, shall not impose any duty or obligation on District, nor shall such rights relieve County of the sole responsibility for the Facility Installation and its construction, plans, schedules and work, or relieve County of its contractual responsibilities hereunder.

6. County shall pay District for all reasonable time spent in reviewing plans, inspecting County's work performed in, along, under or near the Area of Common Use, or ensuring compliance of the terms and conditions of this Agreement. The amount charged shall not exceed the employees' weighted labor rate plus other costs actually incurred. Payment shall be made by County within thirty (30) days of submission of an invoice. Late payments shall be subject to a ten percent late fee plus interest equal to one percent per month.

7. County shall not perform any work within the Area of Common Use during any irrigation season which would interfere with the delivery of irrigation water. The parties hereto are mindful of the fact that District's irrigation season ordinarily, but not necessarily, ends late October and begins the first of March of the following year. County shall coordinate with District prior to any work to ensure it will not interfere with the delivery of irrigation water.

8. Inasmuch as District's irrigation facilities within the Area of Common Use will have been changed by County pursuant to this Agreement, County agrees to maintain, repair or replace such irrigation facilities at County's expense in a timely manner as and when such maintenance, repair or replacement is necessary, unless such maintenance, repair or replacement is made necessary by the sole negligence or willful misconduct of District, its agents, contractors or employees. In no event shall the County be liable for any betterment, changes or alterations in said facility made by or at the request of District for District's sole benefit.

9. Prior to any excavation by County within the Area of Common Use, whether at the time of construction of the Facility Installation or during subsequent periods or instances of maintenance, County or its contractor shall contact District and the Underground Service Alert (U.S.A. – 1-800-642-2444) for the purpose of determining the location of underground facilities, equipment and other improvements within said Area of Common Use. County shall be solely responsible for locating all underground improvements during construction and maintenance of the Facility Installation within the Area of Common Use.

10. Except as otherwise set forth herein, the Facility Installation shall, as between County and District, be the property of County and County shall have the sole responsibility and liability for said Facility Installation. County shall at all times maintain, at its own cost and expense, the Facility Installation. County agrees to assume the sole and exclusive risk for damage to property or injury or death to any persons, arising from, or in any way related to, the County's maintenance of or failure to maintain the Facility Installation. The District shall have no duty or obligation to maintain the Facility Installation

11. Except as expressly set forth herein, this Agreement shall not in any way alter, modify or terminate any of District's rights in its property or facilities. Both County and District shall use the Area of Common Use in such a manner as to not interfere unreasonably with the rights of other. Nothing herein contained shall be construed as a release or waiver of any claim for compensation or damages which District or County may now have, or may hereafter acquire, resulting from the construction of additional facilities or the alteration of facilities by either County or District in such a manner as to cause an unreasonable interference with the use of the Area of Common Use by the other.

12. Except in emergencies, District shall give reasonable notice to County before performing any work on District's property or facilities in the Area of Common Use. No additional permit will be required to do such work, provided, that in all cases, District shall make adequate provision for the protection of the traveling public when performing work on the District's property or facilities in the Area of Common Use.

13. If the construction, use or maintenance of the Facility Installation, or any portion thereof, causes damage, injury or degradation of the Area of Common Use, or District's property or facilities on or around the Area of Common Use, County shall, at its sole cost and expense, repair said damage, injury or degradation upon notice by the District. Any such repair shall be performed in a timely manner and shall be in strict accordance with plans acceptable to the District.

14. (a) County shall indemnify, defend, and hold District and its directors, officers, and employees harmless from any and all claims, demands, damages, causes of action, judgments, liabilities, losses, costs, expenses (including attorneys' fees and court costs), liens, charges and encumbrances of any kind whatsoever in connection with, arising out of or by reason of the use of the Area of Common Use or any act, omission, or negligence by County, its directors, officers, employees, agents, contractors, customers or business invitees while in, upon, about or in any way connected with the MID Facility or arising from any accident, injury or damage howsoever caused, to any person or property whatsoever occurring in, upon, about or in any way connected with the MID Facility or Area of Common Use excepting the gross negligence or willful misconduct of District. The obligations of District under this Agreement do not constitute personal obligations of

the individual directors, officers, agents, employees or volunteers of District. County's indemnity is not intended to nor shall it relieve any insurance carrier of its obligations under policies required to be carried by County pursuant to the provisions of this Agreement to the extent that such policies cover the results of negligent acts or omissions of District, its officers, agents, contractors or employees, or the failure of District to perform any of its obligations under this Agreement.

(b) County shall promptly pay District, on demand, full money compensation for any damage to any of District's property or facilities caused by, or in any manner connected directly or indirectly with, the performance of this Agreement or the maintenance or use of the Facility Installation.

15. District acknowledges that County has self-insured its financial obligations imposed by this Agreement; provided, however, that in the event County at any time reduces its General Liability self-insured retention amount below one million dollars, County, at its sole cost and expense, and without limiting any of its other obligations or liabilities, shall obtain and maintain in effect at all times during the performance of the work under this Agreement, coverages and limits of liability insurance reasonably satisfactory to the District, each of which shall be maintained with insurers and under forms of policies reasonably satisfactory to the District and shall include the District as an additional insured.

16. In the event that District is required to relocate any District facilities in order for County to install, maintain or operate the Facility Installation, District shall, at County's sole expense, perform such relocation, provided, however, that no relocation of District facilities shall be performed until District receives and records appropriate easements, satisfactory to District, for District's relocated facilities.

17. It is expressly understood and agreed that this Agreement shall operate to give County the rights herein provided for only insofar as District may do so under and by virtue of the rights that District has in that portion of the MID Facility real property to which this Agreement applies. It is further expressly understood and agreed that this Agreement is made without representation or warranty of any kind.

18. District makes no representation as to, and does not warrant, the condition of the MID Facility, either at the inception of this Agreement or as to any future point in time. Nothing in this Agreement shall be construed as creating or imposing upon District any duty or obligation to maintain or repair the Area of Common Use or the MID Facility.

19. This Agreement is made solely for the benefit of County, and it is not made for the benefit of any person, firm, association, corporation or public entity not a party hereto, and no person, firm association, corporation or public entity other than County shall have any right to enforce this Agreement.

20. This Agreement contains all the agreements of the parties hereto and cannot be amended or modified except by a written agreement executed by the parties.

21. This Agreement shall inure to the benefit of and be binding upon the successors and assigns of both parties: provided, however that neither party shall assign its rights or obligations hereunder without the prior consent of the other party.

22. Time is of the essence of each provision of this Agreement.

23. All exhibits referred to in this Agreement are attached hereto and incorporated herein by reference.


24. In the event that the Area of Common Use is no longer used by County for the purposes agreed, County at its expense, shall remove County's improvements or take other closure action acceptable to District, and restore the Area of Common Use to its original condition or to a condition acceptable to the District. At such time as the Area of Common Use is no longer used by County for the purposes agreed, all rights granted to County hereunder shall terminate.

25. If any of County's privileges or duties are to be exercised or performed by any independent contractor or contractors, County shall, effectively and appropriately, bind such contractor or contractors, contractually to the duties and obligations of County hereunder. In that connection, County shall among other requirements, require said contractor or contractors to maintain reasonable insurance coverage and to indemnify, defend and hold District harmless from and against any and all claims, damages, loss, liability and expenses, including court costs and attorney's fees, arising out of or on account of, any injury to or death of any person or persons, or damage to property of any kind whatsoever and to whosoever belonging, arising out of, in any manner directly or indirectly connected with, said contractors or contractors acts or omission in exercising County's privileges or performing County's duties created by the Agreement.


IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the day and year first above written.

IN WITNESS WHEREOF, the County of Stanislaus, a political subdivision of the State of California, has authorized the execution of this Agreement in duplicate by its Chairman of the Board of Directors and attestation by its County Clerk under authority of Resolution No. 2018-0538, adopted by the Board of Directors of the County of Stanislaus on the 30th day of October, 2018, and MODESTO IRRIGATION DISTRICT, an irrigation district, has caused this agreement to be duly executed in duplicate as of the Effective Date.

COUNTY OF STANISLAUS,
a political subdivision of the State of
California


By 
Chairman of the Board of Supervisors
of the County of Stanislaus, State of
California

MODESTO IRRIGATION DISTRICT,
an irrigation district


By 
General Manager

ATTEST:

By 
County Clerk

By 
Secretary Angela Cartisano

APPROVED AS TO FORM:
County Counsel

By 
County Counsel

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California)
County of Stanislaus)

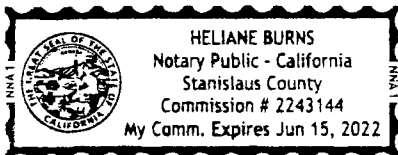
On December 12, 2018 before me, Heliane Burns, a Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Scott Furgerson
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature Heliane Burns
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

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State of California)
County of Stanislaus)

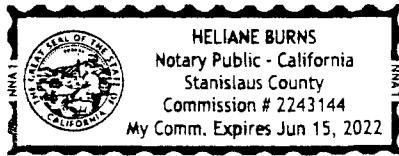
On December 12, 2018 before me, Heliane Burns, a Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Angela Cartisano
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature *Heliane Burns*
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

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

State of California
County of Stanislaus

On October 31, 2018 before me, Keimi Espinoza, Notary Public
(insert name and title of the officer)

personally appeared, Jim DeMartini

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

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

WITNESS my hand and official seal.

Keimi Espinoza (Seal)
Notary Public Signature



OPTIONAL INFORMATION

THIS OPTIONAL INFORMATION SECTION IS NOT REQUIRED BY LAW BUT MAY BE BENEFICIAL TO PERSONS RELYING ON THIS NOTARIZED DOCUMENT

TITLE OR TYPE OF DOCUMENT Agreement Consenting to Common Use

DATE OF DOCUMENT _____ NUMBER OF PAGES _____

SIGNER(S) OTHER THAN NAMED ABOVE _____

SIGNER'S NAME _____ SIGNER'S NAME _____

RESOLUTION 2018-72
AUTHORIZING A COMMON USE AGREEMENT BETWEEN
THE MODESTO IRRIGATION DISTRICT AND THE COUNTY OF STANISLAUS,
A POLITICAL SUBDIVISION OF THE STATE OF CALIFORNIA

WHEREAS, the Modesto Irrigation District (MID) has property interests in certain real property consisting of a strip of land referred to as Modesto Irrigation District Lower Main Canal (MID Facility) located between St. Francis Avenue and Ladd Road and east of McHenry Avenue in the County of Stanislaus, State of California; and

WHEREAS, The County of Stanislaus (County) desires permission, at County's expense, to construct, operate and maintain a bridge across the MID Facility for the purpose of the County's St. Francis Bridge Replacement Project, and to make such improvements within the area of the MID Facility.

BE IT RESOLVED, That the Board of Directors of the Modesto Irrigation District does hereby authorize and direct the General Manager to execute that certain Common Use Agreement dated December 4, 2018, between the County of Stanislaus, a political subdivision of the State of California, and the Modesto Irrigation District.

BE IT FURTHER RESOLVED, That the Board of Directors of the Modesto Irrigation District does hereby approve and authorize the installation and operation of a bridge across the MID Facility. Both parties have agreed to the terms and conditions of the Common Use Agreement which is more particularly described in said Common Use Agreement and to which reference is hereby made for full particulars.

Moved by Director Blom, seconded by Director Gilman, that the foregoing resolution be adopted.

The following vote was had:

Ayes: Directors Blom, Byrd, Campbell and Gilman

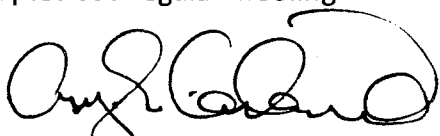
Noes: Director None

Absent: Director Mensinger

The President declared the motion approved.

oOo

I, Angela Cartisano, Board Secretary of the Modesto Irrigation District, do hereby CERTIFY that the foregoing is a full, true and correct copy of a resolution duly adopted at a regular meeting of said Board of Directors held the fourth day of December 2018.



Board Secretary of the
Modesto Irrigation District

EXHIBIT "A"

**LEGAL DESCRIPTION
AREA OF COMMON USE
M.I.D. MAIN CANAL AT ST. FRANCIS AVENUE**

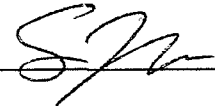
All that portion of land situate in the County of Stanislaus, State of California, lying within the Northeast quarter of Section 32, Township 2 South, Range 9 East, Mount Diablo Meridian, more particularly described as follows:

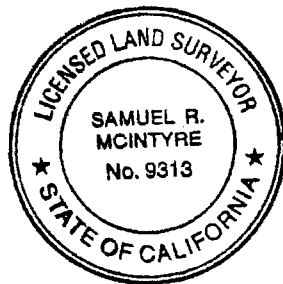
Commencing at a Brass Disc Stamped "N16 S32 S33 1988" marking the North 1/16 corner of Section 32 and Section 33, which bears along the center line of St. Francis Avenue South 89°02'21" East, 5277.30 feet from a 2" Iron Pipe marking the North 1/16 corner of Section 31 and Section 32; thence North 89°02'21" West, 395.83 feet along said center line of St. Francis Avenue to the **Point of Beginning**; thence South 47°36'15" West, 36.41 feet; thence North 89°02'21" West, 145.66 feet; thence North 47°36'15" East, 72.82 feet; thence South 89°02'21" East, 145.66 feet; thence South 47°36'15" West, 36.41 feet to the **Point of Beginning**

Containing 7,282 square feet more or less.

Bearings and distances shown are based on the California Coordinate System of 1983(2011), Epoch 2010.00, Zone 3. Multiple distances shown by 1.00007 to obtain ground level distances.

This real property description has been prepared at Mark Thomas, by me, or under my direction, in conformance with the Professional Land Surveyors Act.


Samuel R. McIntyre LS. 9313



NOVEMBER 7, 2017

Date

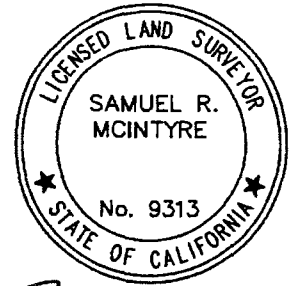
SECTION 32,
T2S, R9E, M.D.B.M.

LEGEND

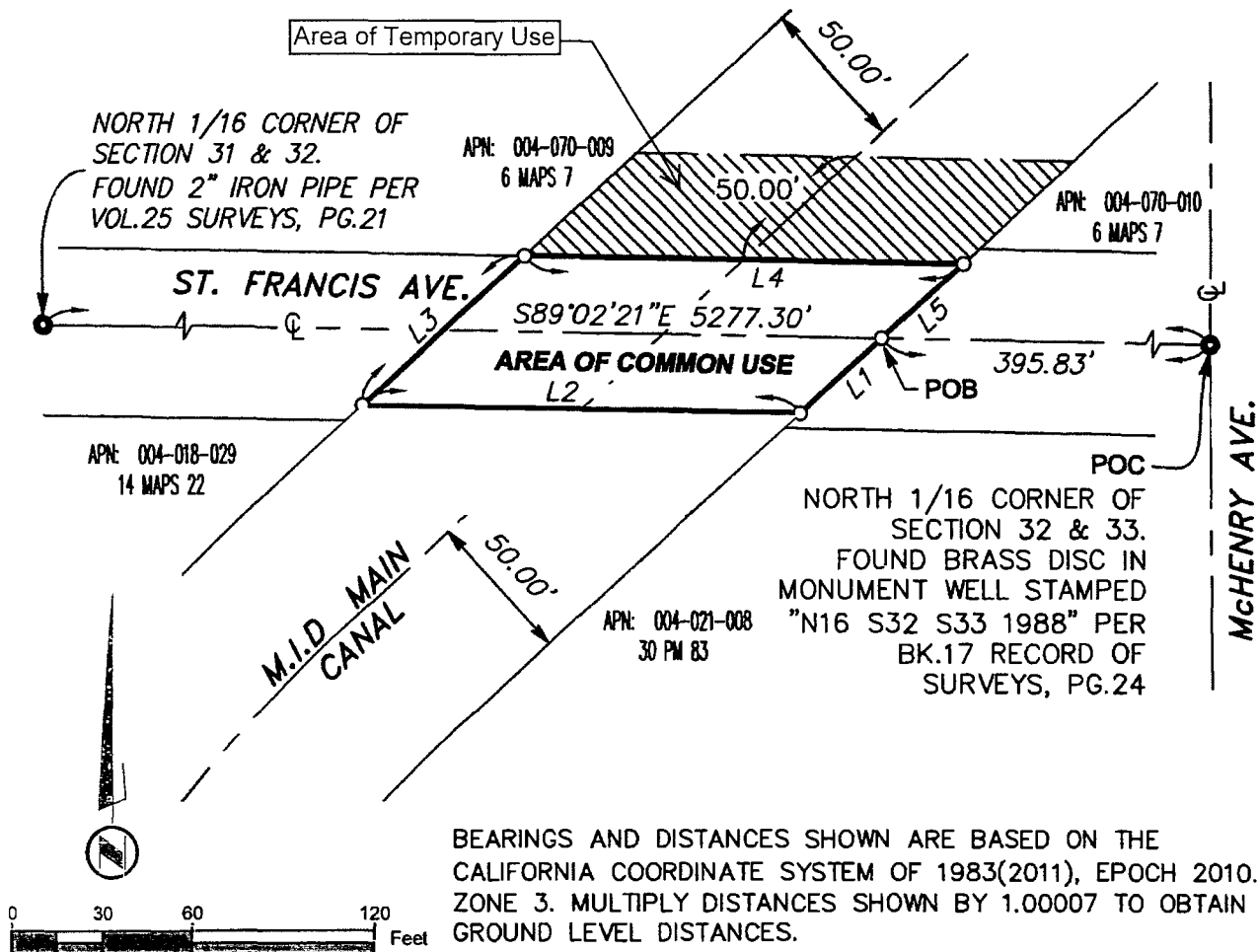
- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- ☒ CENTERLINE
- M.I.D. MODESTO IRRIGATION DISTRICT
- DIMENSION POINT
- FOUND MONUMENT AS NOTED
- ▨ TEMPORARY CONSTRUCTION AREA
- AREA OF COMMON USE (7,282±SF)

LINE TABLE

- L1 S47°36'15"W 36.41'
- L2 N89°02'21"W 145.66'
- L3 N47°36'15"E 72.82'
- L4 S89°02'21"E 145.66'
- L5 S47°36'15"W 36.41'



SRM
NOVEMBER 7, 2017



BEARINGS AND DISTANCES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983(2011), EPOCH 2010.00, ZONE 3. MULTIPLY DISTANCES SHOWN BY 1.00007 TO OBTAIN GROUND LEVEL DISTANCES.

SHEET 1 OF 1

MARK THOMAS
Scale: 1" = 60'
Date OCT. 2017
Drawn By TEP
Checked By SRM

Exhibit B
AREA OF COMMON USE
Plat to Accompany Legal Description
In the City of Modesto
Stanislaus County, California

Stanislaus County
Serving to be the Best

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS

PLANS FOR THE CONSTRUCTION OF

SAINT FRANCIS AVENUE
BRIDGE REPLACEMENT

STANISLAUS COUNTY, CALIFORNIA
FEDERAL PROJECT NO. BRLO-5938(193)
COUNTY PROJECT NO. 9590
BRIDGE NO. 38C-0343
W.D.I.D. NO.



STATE OF CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
STANDARD PLANS

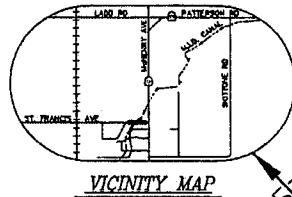
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RSP A108	A 204	A82D	RSP D82	T 51
A100	A 208	RS	RS 1	T 59
A100	A340	RSP A87A	RS 2	

INDEX OF SHEETS

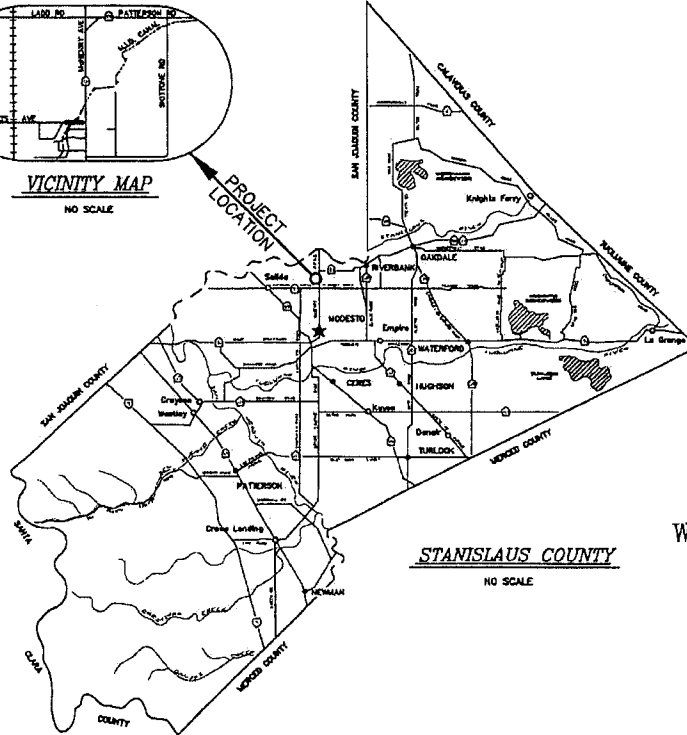
- TITLE SHEET
- CROSS SECTIONS SHEET
- HORIZONTAL CONTROL PLAN
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- DRAINAGE AND UTILITY PLAN
- DRAINAGE AND UTILITY DETAILS
- PLAN AND PROFILE SHEET
- PLAN AND PROFILE SHEET
- SIGNING & STRIPING SHEET
- DETOUR PLAN
- DIVERSION PLAN
- CULVERT GENERAL PLAN
- BRIDGE REMOVAL PLAN
- BOX CULVERT DETAILS No. 1
- BOX CULVERT DETAILS No. 2
- LOG OF TEST BORINGS

ABBREVIATIONS

AB	AGGREGATE BASE
AP	ANGLE POINT
BC	BEGINNING OF CURVE
CB	CURB BENCH
CL	CENTER LINE
CLB	CLEAR
CONC	CONCRETE
CR	CROWN
DET	DETAIL
DI	DRAIN INLET
DM	DIMENSION
DW	DRAINAGE
SD	STORM DRAIN
END OF CURVE	
EL	ELEVATION
EP	EDGE OF PAVEMENT
EXIST	EXISTING
EX OF EXIST	EXISTING
FL	FLOW LINE
CB	CRACK BREAK
HMA	HOT MIX ASPHALT
HORNB	HORN BENCH
HP	HIGH POINT
IMP	IMPROVEMENT
INT	INTERSECTION
LF	LINEAR FEET
LFP	LOW POINT
LW	LANDSCAPE
M	MARKER
MCD	MARKED DIVERSION DISTRICT
MWB	MATERIAL
MYS	NOT TO SCALE
ON CENTER	
OFF	OFFSET
OS	ORIGINAL SURFACE
PP	POWER POLE
PL	PROPERTY LINE
PC	POINT OF BEGINNING CURVE
PT	POINT
PVC	POINT WHERE CHANGING PIPE
POP	REINFORCED CONCRETE PIPE
R	RIGHT OF WAY
RS	RAMP
RS	RIGHT OF WAY
RS	SHEET
RS	STREET NAME SIGN
STN	STATION
SS	STANDARD
TBC	TOP BACK OF CURB
TPC	TOP FACE OF CURB
TRAMP	TYPICAL
TRAMP	TYPICAL
VERT	VERTICAL



VICINITY MAP
NO SCALE



STANISLAUS COUNTY
NO SCALE



GENERAL NOTES

- THE CONTRACTOR SHALL POSSESS THE LICENSE(S) REQUIRED IN THE INSTRUCTIONS TO BID & SPECIAL PROVISIONS.
- ALL MATERIAL AND WORK SHALL CONFORM TO STANISLAUS COUNTY SPECIFICATIONS AND APPROVED STANDARDS 2014 EDITION, TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS, DATED MAY, 2010 AND STANDARD SPECIFICATIONS, DATED MAY, 2010, AND ALL ADDENDA THERETO. ALL APPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
- THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES AND THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS HAVE BEEN NOTIFIED AND HAVE GIVEN THE CONTRACTOR THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. THE CONTRACTOR SHALL CALL U.S.A. AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO DOING ANY EXCAVATING.
- THESE PLANS HAVE BEEN CHECKED BY THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS AND/OR AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS, OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING COURSE OF CONSTRUCTION.
- ALL CONSTRUCTION SITE ACTIVITIES SHALL CONFORM TO THE STATE WATER RESOURCES CONTROL BOARD NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) WRITE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY.
- PRIOR TO INITIATING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL NECESSARY FEDERAL, STATE, AND LOCAL PERMITS HAVE BEEN OBTAINED.
- STREET STRIPING SHALL INCLUDE STRIP MARKS, CENTERLINE STRIPING, AND LANE LINE MARKERS CROSSABLES AND ALL OTHER MARKERS REQUIRED BY THE ENGINEER. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS.
- CONSTRUCTION STAGING SHALL BE DONE UNDER THE DIRECTION OF A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
- UNLESS OTHERWISE APPROVED, ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO STREET PAVING.
- ALL UTILITY LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
- WHEN WIDENING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE SAWCUT (SAW) TO A HEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION OR TO THE ORIGINAL ROAD SECTION AN EXPANSION JOINT OR JOINT-WALKING MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL.
- CONTACT: STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS
MAIL ROOM/RECORDS (209) 325-4101
APPROVED BY STANISLAUS COUNTY:

CHRIS BRADY
DEPUTY DIRECTOR OF PUBLIC WORKS
STANISLAUS COUNTY

DATE _____

ALLS. IT'S EMPLOYEES AND AGENTS ARE NOT RESPONSIBLE FOR MISREPRESENTATION OF INFORMATION AND CONDITIONS INDICATED ON THESE PLANS. FOR ANY ERRORS AND OMISSIONS THAT MAY BE PRESENT, APPROVAL IS SUBJECT TO THE DATA SHOWN WHICH APPEARS TO BE IN CONFORMITY WITH ALLS. REQUIREMENT FOR THE PROTECTION OF DISTINCT PROVISIONS FACILITIES.

SO CONDITIONALLY APPROVED:
FOR PROVISION FACILITIES ONLY DATE _____
ALLS. 1231 ELEVENTH STREET, MODESTO, CA 95354 (209) 539-2372



DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
1718 JARDEN ROAD - MODESTO, CA 95358



TITLE SHEET
STANISLAUS COUNTY
SAINT FRANCIS AVENUE
BRIDGE REPLACEMENT
STANISLAUS COUNTY, CALIFORNIA

DATE
BY
CHECKED
BY
SCALE

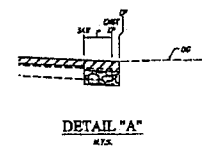
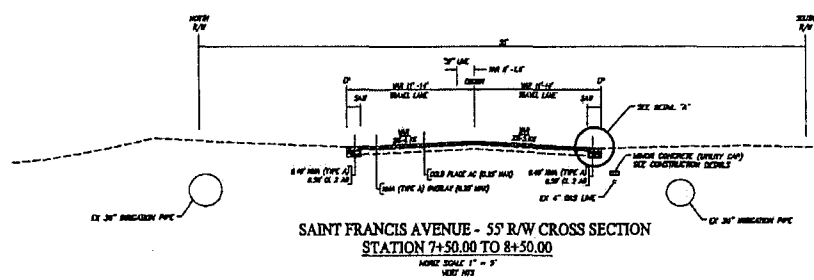
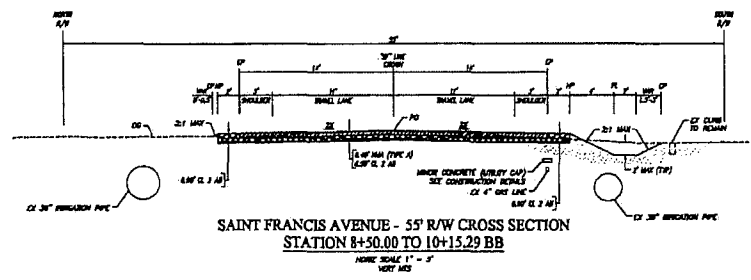
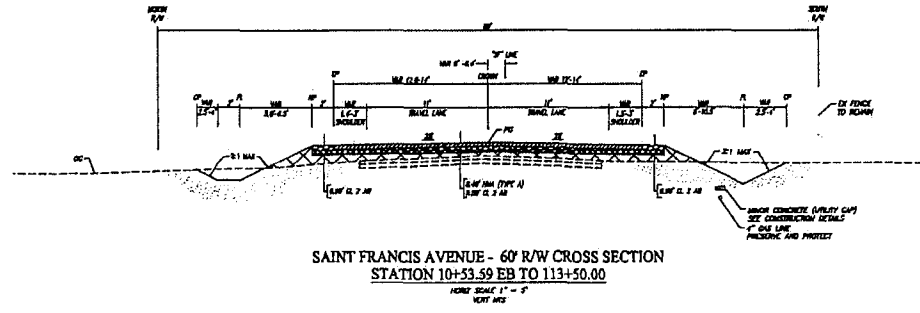
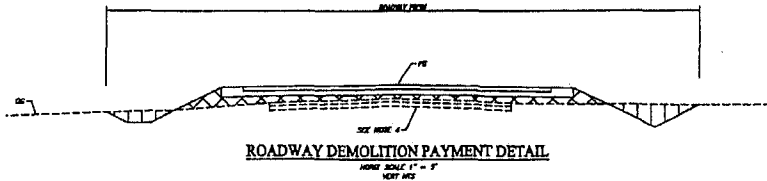
DATE
NO. 1
OF 18 SHEETS

NOTES:

1. DIMENSIONS OF THE PROPOSED STRUCTURED CONSTRUCTION SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. STRUCTURAL SECTION RECOMMENDATIONS FOR REVISIONS, REPORT BY CHANPORN & ASSOCIATES, DATED JANUARY 16, 2014.
3. FINISH SECTION FOR SAINT FRANCIS AVENUE IS BASED ON A 1% OF 8 AND 1% OF 8 SLOPE OF 2%.
4. WHEN CONSTRUCTING AN ENHANCEMENT ON AN EXISTING ROADWAY, SCURRY, WATER DRAINAGE, AND ROLL THE EXISTING ROADWAY BEFORE PLACE NEW MATERIAL.

LEGEND

	ROADWAY ENHANCEMENT
	ROADWAY EMBANKMENT
	11M (TYPE A)
	CLASS 3 AB



DATE: 2/16/18	DATE: 2/16/18
BY: Stanley L. Lee	DATE: 2/16/18
CHECKED: [Signature]	DATE: 2/16/18
DESCRIPTION: ROADWAY DEMOLITION	DATE: 2/16/18

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 HORTON ROAD - STOCKTON, CA 95210



CROSS SECTIONS SHEET
 IMPROVEMENT PLANS FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA

JOB NO. SA-2017	DATE: 2/16/18
BY: Stanley L. Lee	DATE: 2/16/18
CHECKED: [Signature]	DATE: 2/16/18
DESCRIPTION: ROADWAY DEMOLITION	DATE: 2/16/18

SHEET NUMBER
2
 OF 18 SHEETS

12-16-2018 - 8:45am
 12-16-2018 - 8:45am - 8:45am

NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION, AS AMENDED BY THE CALIFORNIA HIGHWAY PAVEMENT AND STRUCTURES DIVISION, 2018 EDITION, AND THE CALIFORNIA HIGHWAY BRIDGE AND STRUCTURES DIVISION, 2018 EDITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

PROJECT CONTROL

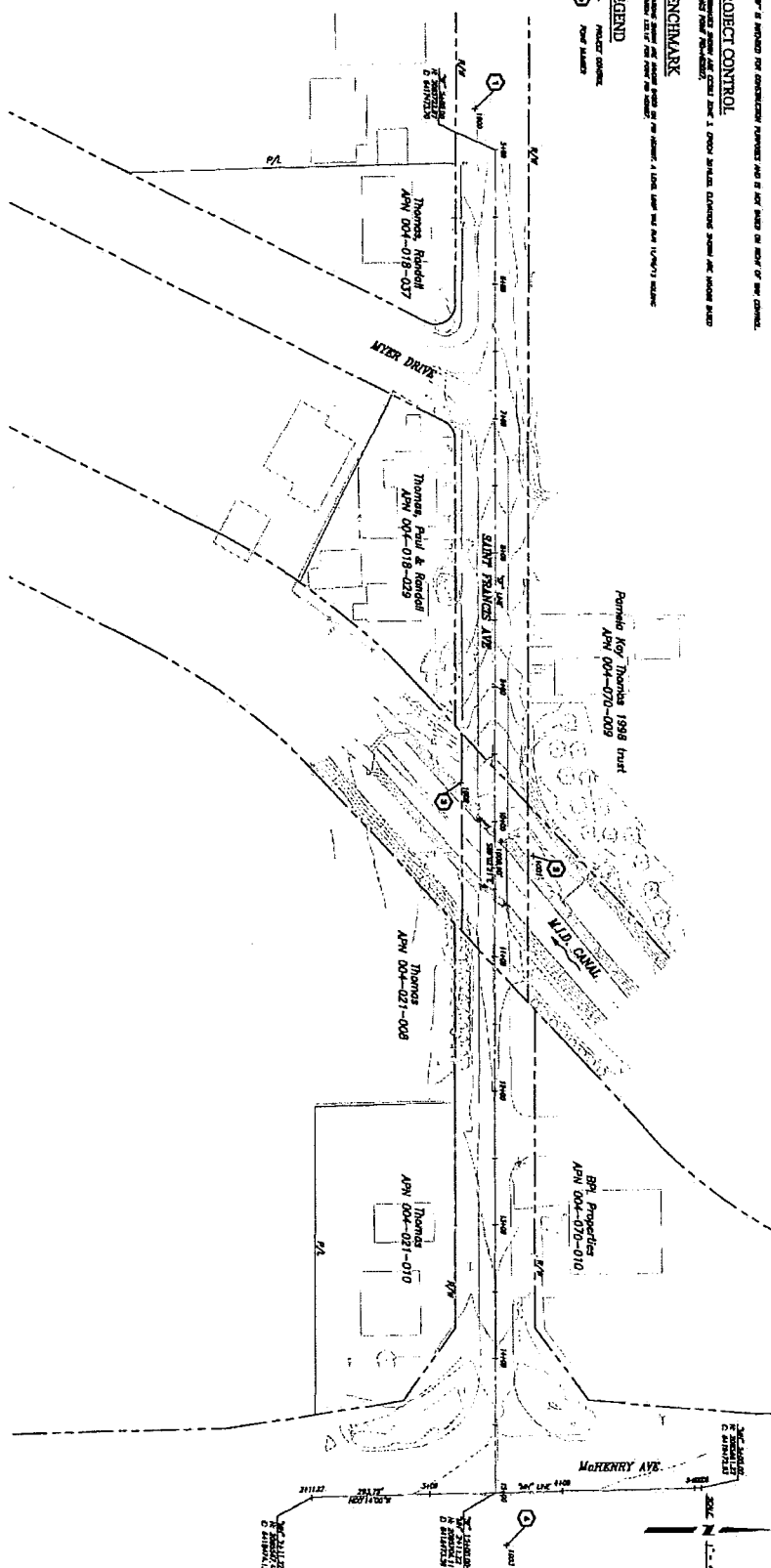
CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION, AS AMENDED BY THE CALIFORNIA HIGHWAY PAVEMENT AND STRUCTURES DIVISION, 2018 EDITION, AND THE CALIFORNIA HIGHWAY BRIDGE AND STRUCTURES DIVISION, 2018 EDITION.

BENCHMARK

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION, AS AMENDED BY THE CALIFORNIA HIGHWAY PAVEMENT AND STRUCTURES DIVISION, 2018 EDITION, AND THE CALIFORNIA HIGHWAY BRIDGE AND STRUCTURES DIVISION, 2018 EDITION.

LEGEND

- BENCHMARK
- ⊕ BENCHMARK
- ⊕ BENCHMARK



CONSTRUCTION SURVEY CONTROL DATA

POINT	APPROXIMATE	COORDINATE	ELEVATION	ADJUSTMENT	STATUS
1	1000	11714.27	118.48	None	Control
2	1000	11714.27	118.48	None	Control
3	1000	11714.27	118.48	None	Control
4	1000	11714.27	118.48	None	Control
5	1000	11714.27	118.48	None	Control
6	1000	11714.27	118.48	None	Control
7	1000	11714.27	118.48	None	Control
8	1000	11714.27	118.48	None	Control
9	1000	11714.27	118.48	None	Control
10	1000	11714.27	118.48	None	Control
11	1000	11714.27	118.48	None	Control
12	1000	11714.27	118.48	None	Control
13	1000	11714.27	118.48	None	Control
14	1000	11714.27	118.48	None	Control
15	1000	11714.27	118.48	None	Control
16	1000	11714.27	118.48	None	Control
17	1000	11714.27	118.48	None	Control
18	1000	11714.27	118.48	None	Control
19	1000	11714.27	118.48	None	Control
20	1000	11714.27	118.48	None	Control



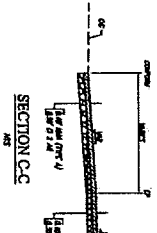
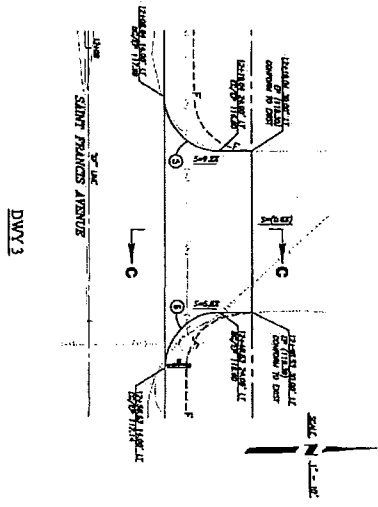
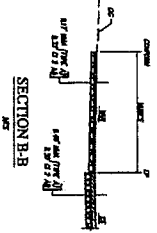
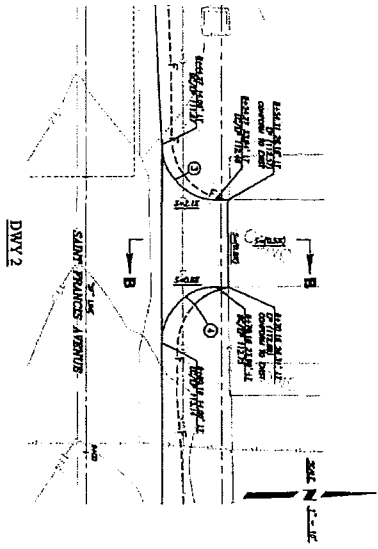
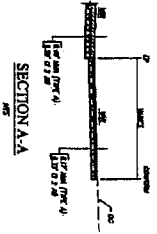
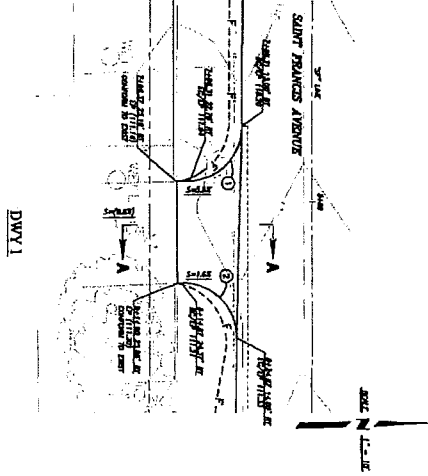
<p>3 SHEET</p>	<p>HORIZONTAL CONTROL PLAN</p> <p>IMPROVEMENT PLANS FOR SAINT FRANCIS AVENUE BRIDGE REPLACEMENT STANISLAUS COUNTY, CALIFORNIA</p>	<p>STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING AND OPERATIONS DIVISION 1716 HORNBY ROAD - MODOCRA, CA 95358</p>	<p>PREPARED UNDER THE DIRECTION OF:</p> <p><i>[Signature]</i> DATE: 3/28/18</p> <table border="1" style="width: 100%;"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DESCRIPTION	DATE	APPROVED									
NO.	DESCRIPTION	DATE	APPROVED													

- NOTES:**
1. OVERLAY SHALL BE 4" HOT MIX ASPHALT @ ALL EXISTING CURBS.
 2. OVERLAY SHALL ADHERE TO 200 & 300 GALS.
 3. ALL EXISTING AND EXPOSED REINFORCEMENT SHALL REMAIN PER 200 & 300 GALS.
 4. OVERLAY SHALL BE 4" HOT MIX ASPHALT @ ALL EXISTING CURBS.

LEGEND:

①	EXISTING SLAB
②	EXISTING CURB

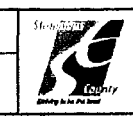
NO.	PIECES	Δ	LENGTH	WIDTH
①	SLAB	REINFORCED	15.0'	8.0'
②	SLAB	REINFORCED	15.0'	8.0'
③	SLAB	REINFORCED	15.0'	8.0'
④	SLAB	REINFORCED	15.0'	8.0'
⑤	SLAB	REINFORCED	15.0'	8.0'
⑥	SLAB	REINFORCED	15.0'	8.0'



DATE: 3/2/18
 DRAWN BY: J. L. LEE
 CHECKED BY: J. L. LEE
 SCALE: AS SHOWN

CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA



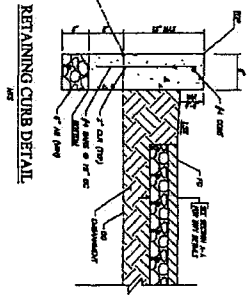
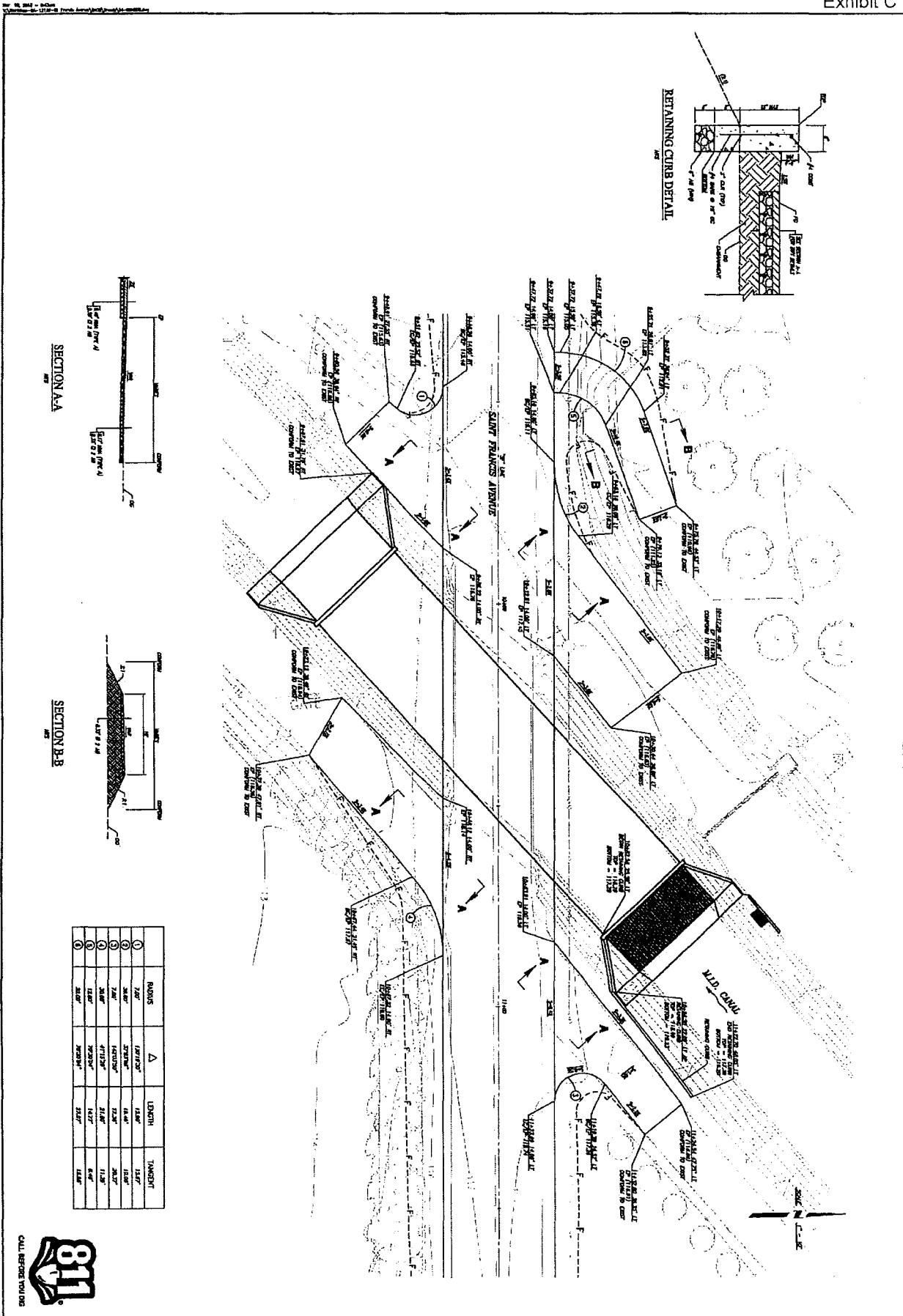
STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODOesto, CA 95336

PREPARED UNDER THE SUPERVISION OF:

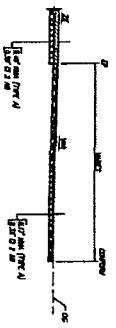
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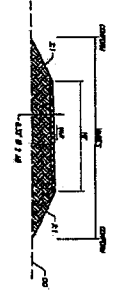




SECTION A-A



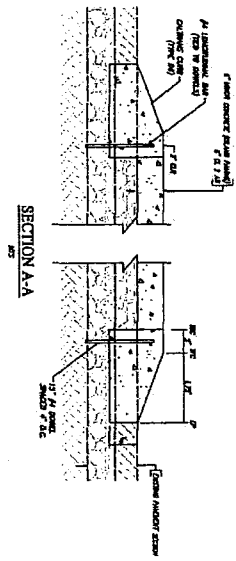
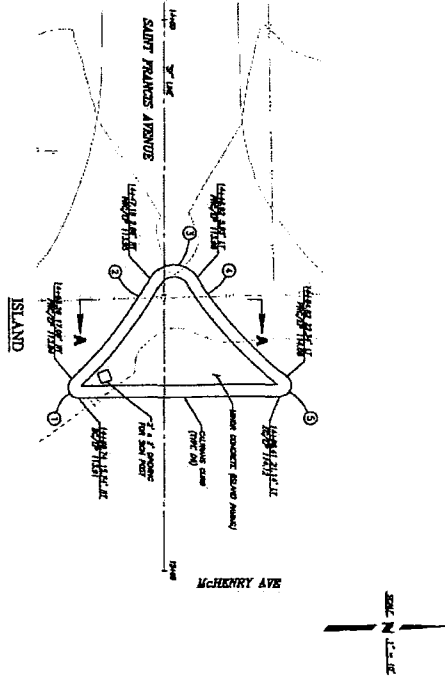
SECTION B-B



NO.	POINTS	Δ	LENGTH	TANGENT
1	7+07	1+0713'	13.06'	13.07'
2	2+07	2+0713'	13.06'	13.07'
3	7+07	1+0713'	13.06'	13.07'
4	2+07	2+0713'	13.06'	13.07'
5	12+07	2+0713'	13.06'	13.07'
6	2+07	2+0713'	13.06'	13.07'



<p>CONSTRUCTION DETAILS</p> <p>IMPROVEMENT PLAN FOR SANT FRANCIS AVENUE BRIDGE REPLACEMENT STANISLAUS COUNTY, CALIFORNIA</p>	 <p>STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING AND OPERATIONS DIVISION 1716 MORGAN ROAD - MODESTO, CA 95358</p>	<p>PREPARED UNDER THE SUPERVISION OF</p> <p><i>[Signature]</i> DATE: 3/8/18</p> <table border="1" style="width: 100%;"> <tr> <th>NO.</th> <th>EXPLANATIONS</th> <th>DATE</th> <th>APPROVED</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	EXPLANATIONS	DATE	APPROVED					
NO.	EXPLANATIONS	DATE	APPROVED								



NO.	DESCRIPTION	DATE
1	AS SHOWN	3/5/18
2		
3		
4		
5		



NO. 18 SHEETS
 6
 SHEETS

CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA



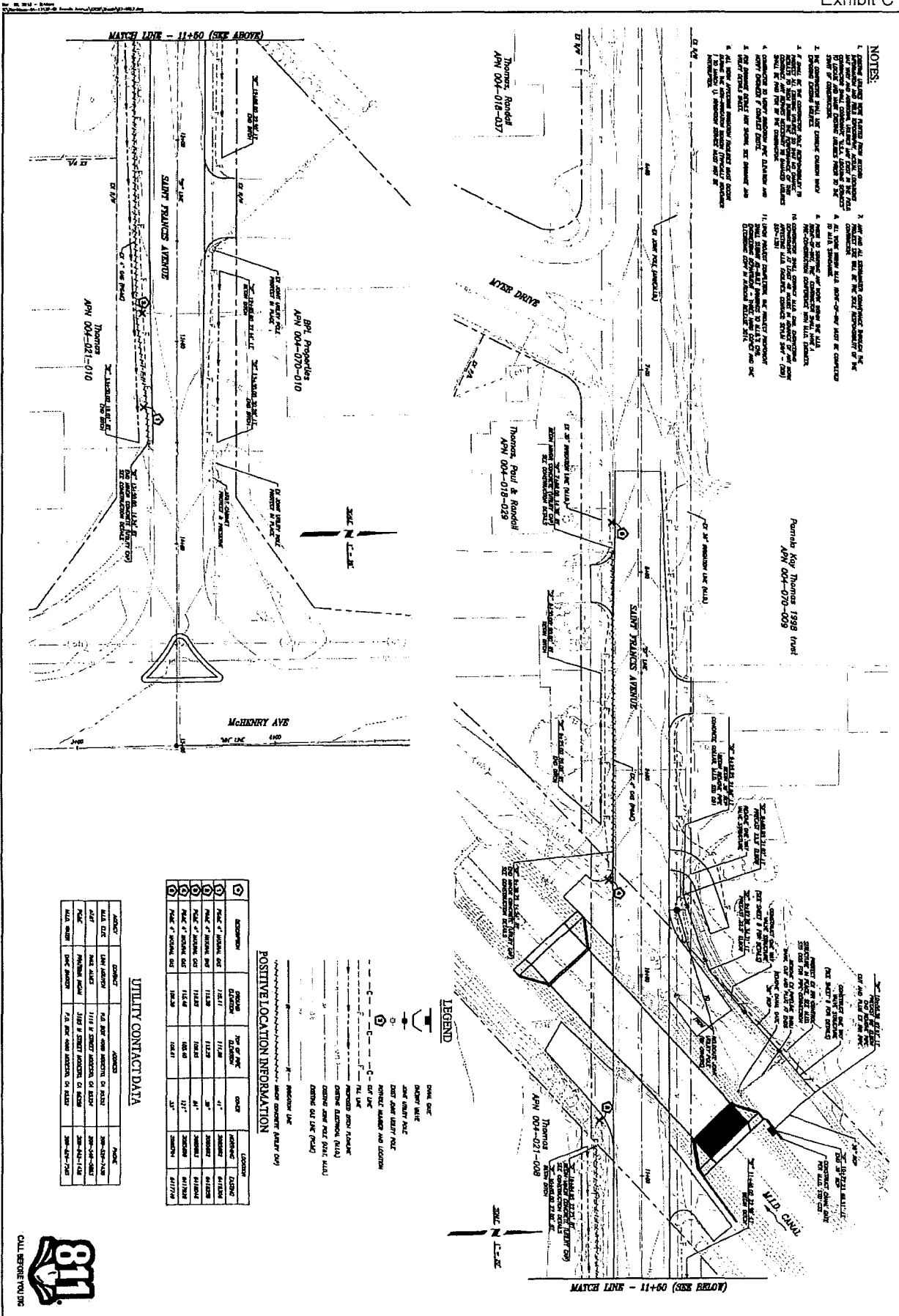
STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODESTO, CA 95359

INCLUDE WITH THE SHEETS ON:

NO.	DESCRIPTION	DATE





- NOTES:**
1. GENERAL NOTES: SEE SEPARATE SHEETS FOR ALL NOTES.
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 3. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 4. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 5. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 6. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 7. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 8. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 9. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 10. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.
 11. ALL NEW UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY, CALIFORNIA.



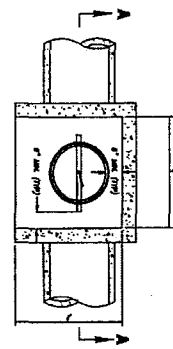
POSITIVE LOCATION INFORMATION

NO.	DESCRIPTION	DATE	BY	LOCATION
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4	POLE # 1000000000	11/21/11
5	POLE # 1000000000	11/21/11
6	POLE # 1000000000	11/21/11
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8	POLE # 1000000000	11/21/11
9	POLE # 1000000000	11/21/11
10	POLE # 1000000000	11/21/11

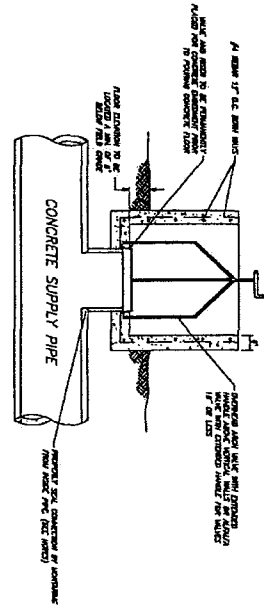
UTILITY CONTACT DATA

UTILITY	CONTACT NAME	PHONE NUMBER	ADDRESS
AT&T
TELEPHONE
...



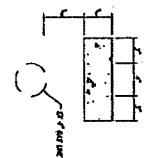


ONE WAY VALVE STRUCTURE



SECTION A-A

- NOTES:**
1. CONCRETE STRUCTURE TO BE 4" MIN. THICK & 8" MIN. DEPTH. ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE NOTED.
 2. ALL CONCRETE SHALL BE 3000 PSI STRENGTH CONCRETE WITH 4% MINIMUM STEEL REINFORCEMENT. ALL CONCRETE SHALL BE CAST IN PLACE AND CURED PROPERLY. ALL STEEL REINFORCEMENT SHALL BE EPOXY COATED BARS.
 3. ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE NOTED.



MINOR CONCRETE UTILITY CAP



811 CALL BEFORE YOU DIG
 8
 18
 18

DRAINAGE AND UTILITY DETAILS
 IMPROVEMENT PLAN FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA



STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODESTO, CA 95358

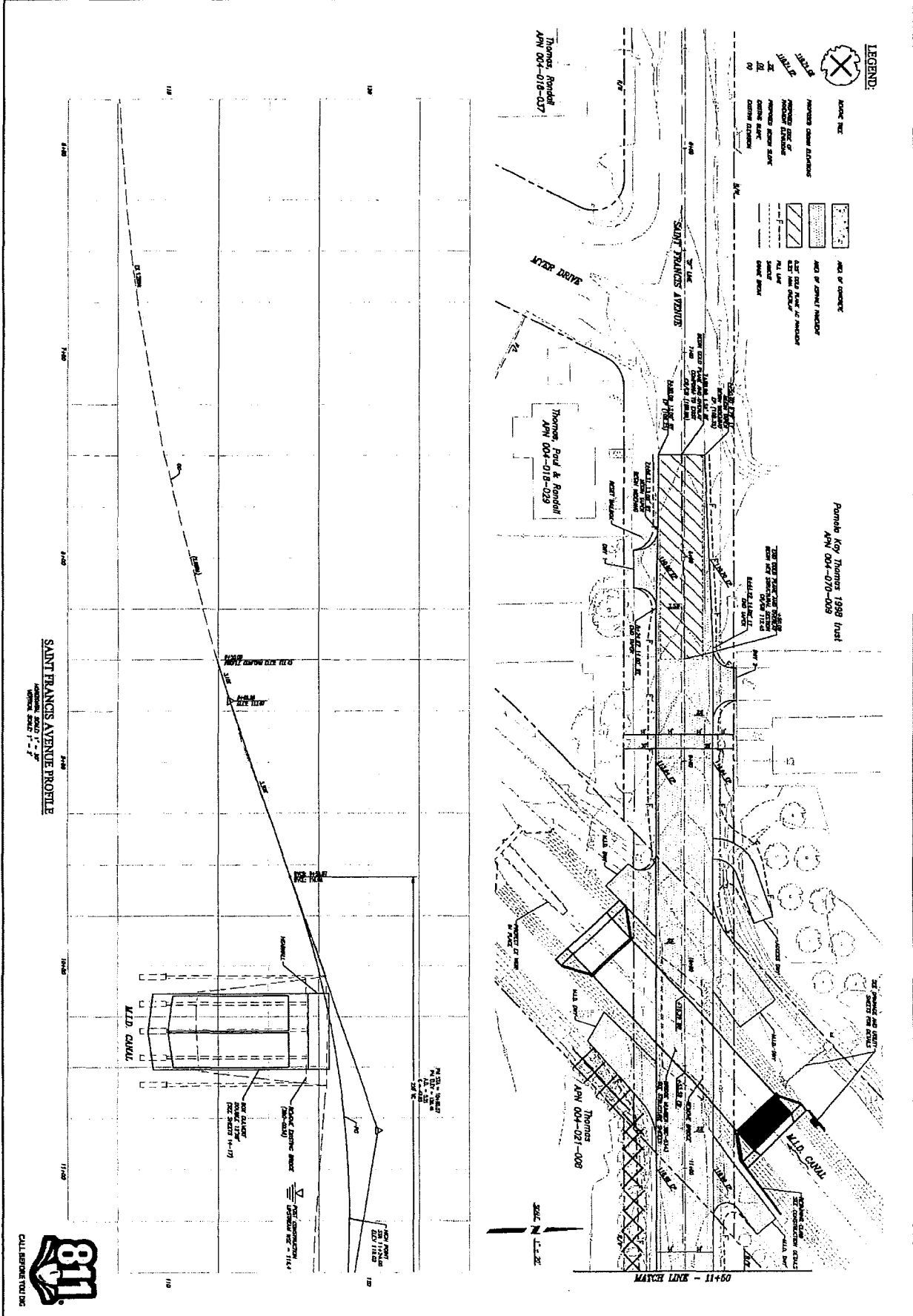
PREPARED UNDER THE DIRECTION OF

DATE: 3/28/18

NO.	DESCRIPTIONS	DATE	APPROVED



BY 06.004 - 0048
 11/11/11 11:11:11



LEGEND:

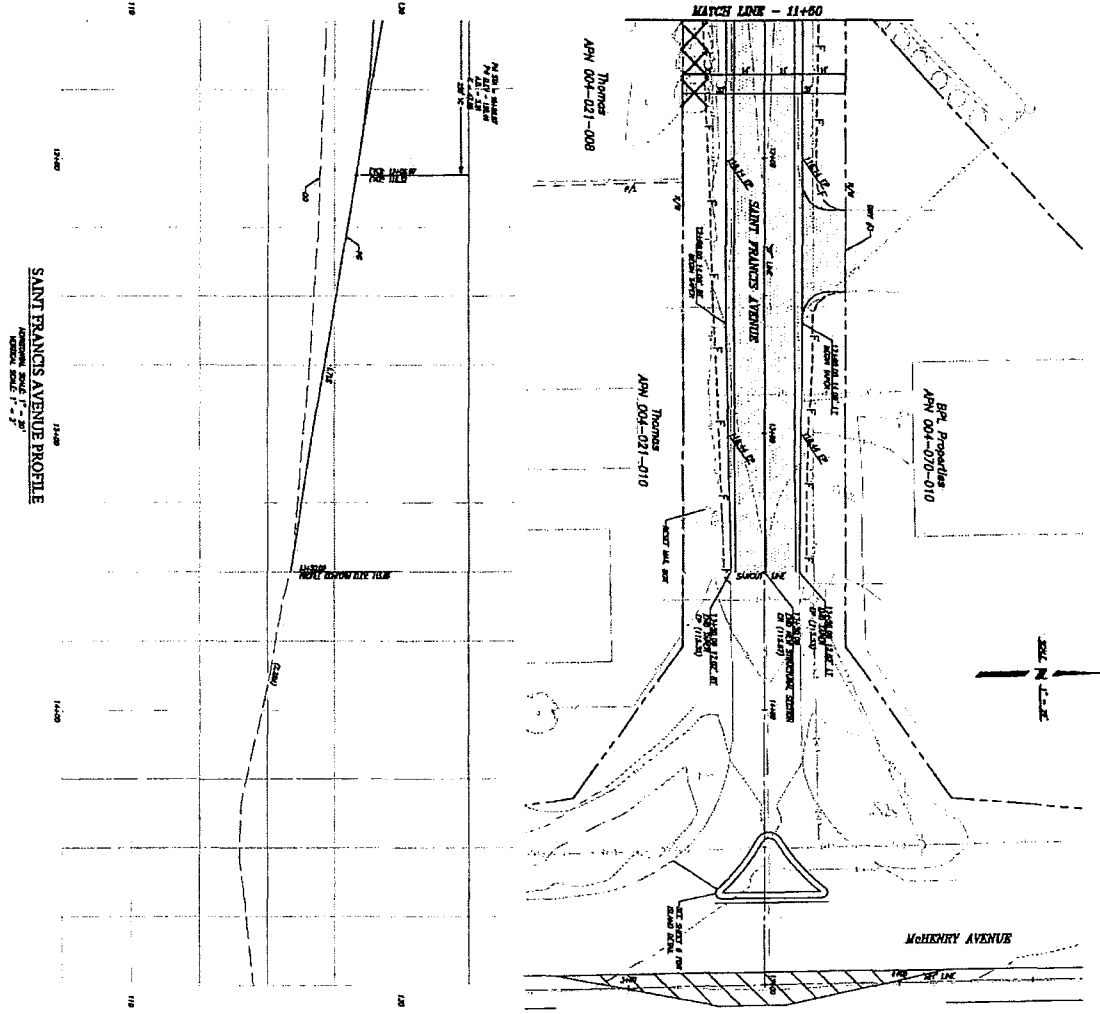
	ROADWAY
	PROPOSED ROADWAY
	PROPOSED PAVEMENT
	PROPOSED STORM DRAIN
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED GAS LINE
	PROPOSED ELECTRIC LINE
	PROPOSED TELEPHONE LINE
	PROPOSED CABLE TV LINE
	PROPOSED FIBER OPTIC LINE
	PROPOSED STORM DRAIN
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED GAS LINE
	PROPOSED ELECTRIC LINE
	PROPOSED TELEPHONE LINE
	PROPOSED CABLE TV LINE
	PROPOSED FIBER OPTIC LINE

SAINTE FRANCIS AVENUE PROFILE
 STATIONING: 11+00 TO 11+90
 ELEVATION: 110 TO 120



<p>9 SHEET NO. 18</p>	<p>PLAN AND PROFILE SHEET</p> <p>IMPROVEMENT PLANS FOR SAINTE FRANCIS AVENUE BRIDGE REPLACEMENT STANISLAUS COUNTY, CALIFORNIA</p>	<p>STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING AND OPERATIONS DIVISION 1716 MORGAN ROAD - MODOesto, CA 95358</p>	<p>PREPARED BY: [Signature]</p> <p>DATE: 3/8/18</p>					
			<table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	APPROVED BY
NO.	DESCRIPTION	DATE	APPROVED BY					

By 44, 2008 - 1444
 1444-004-021-008 - 1444-004-021-010 - 1444-004-021-010 - 1444-004-021-010



10
 18 SHEETS

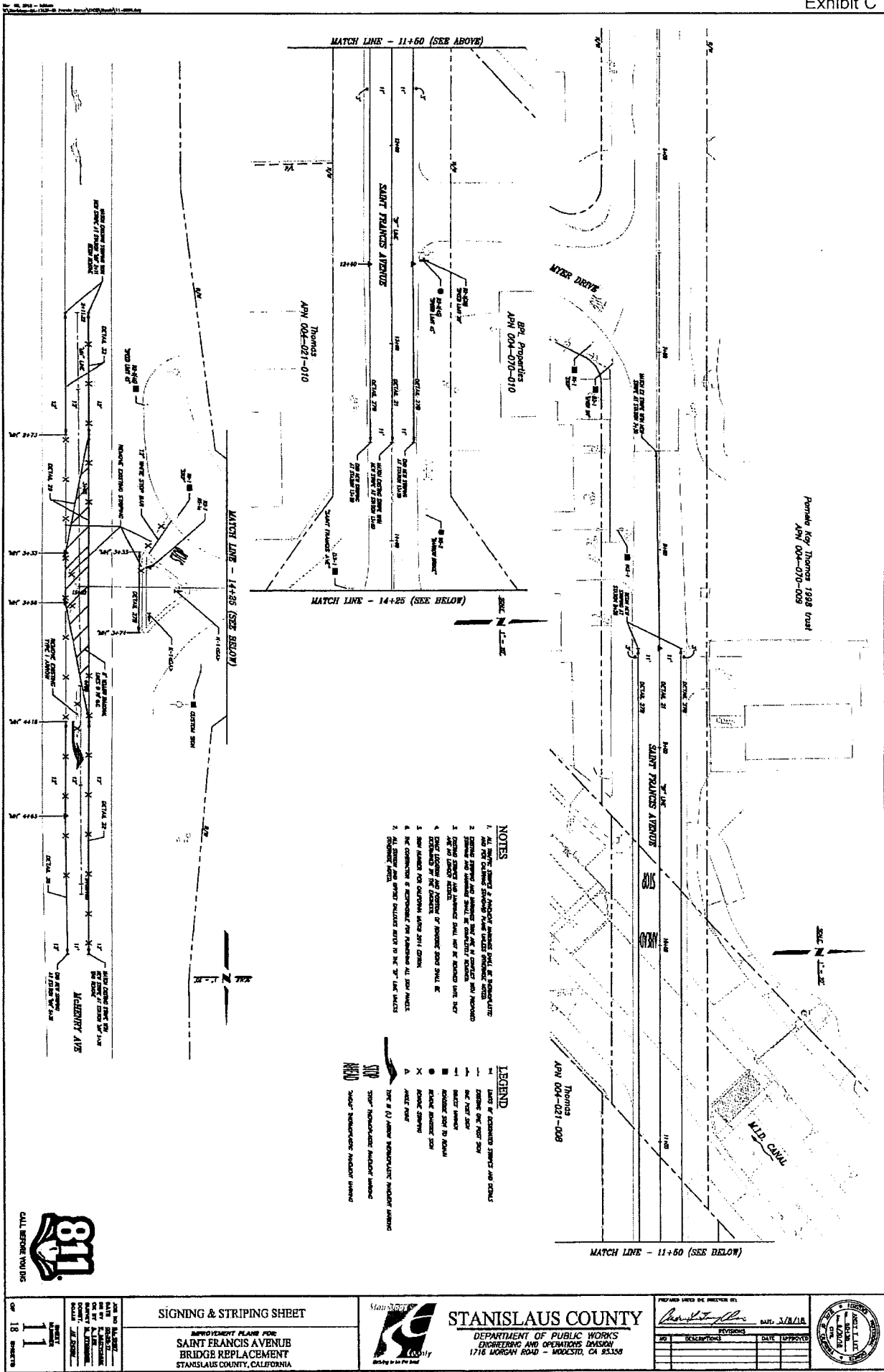
PLAN AND PROFILE SHEET
 IMPROVEMENT PLANS FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA



STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORAN ROAD - MODOCSTO, CA 95358

PREPARED UNDER THE DIRECTION OF
 DATE 3/28/10
 REVISIONS
 NO. DESCRIPTION DATE APPROVED





- NOTES**
1. ALL IMPROVEMENTS TO EXISTING STRUCTURES SHALL BE INCORPORATED.
 2. EXISTING STRUCTURES SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE.
 3. EXISTING STRUCTURES SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE.
 4. EXISTING STRUCTURES SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE.
 5. EXISTING STRUCTURES SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE.

- LEGEND**
- LINE OF PROPOSED BRIDGE AND DECKS
 - PROPOSED SIDEWALK
 - EXISTING SIDEWALK
 - PROPOSED DRIVE
 - EXISTING DRIVE
 - PROPOSED DRIVE
 - EXISTING DRIVE
 - PROPOSED DRIVE
 - EXISTING DRIVE



SIGNING & STRIPING SHEET
 IMPROVEMENT PLAN FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA



STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MOKLESTO, CA 95338

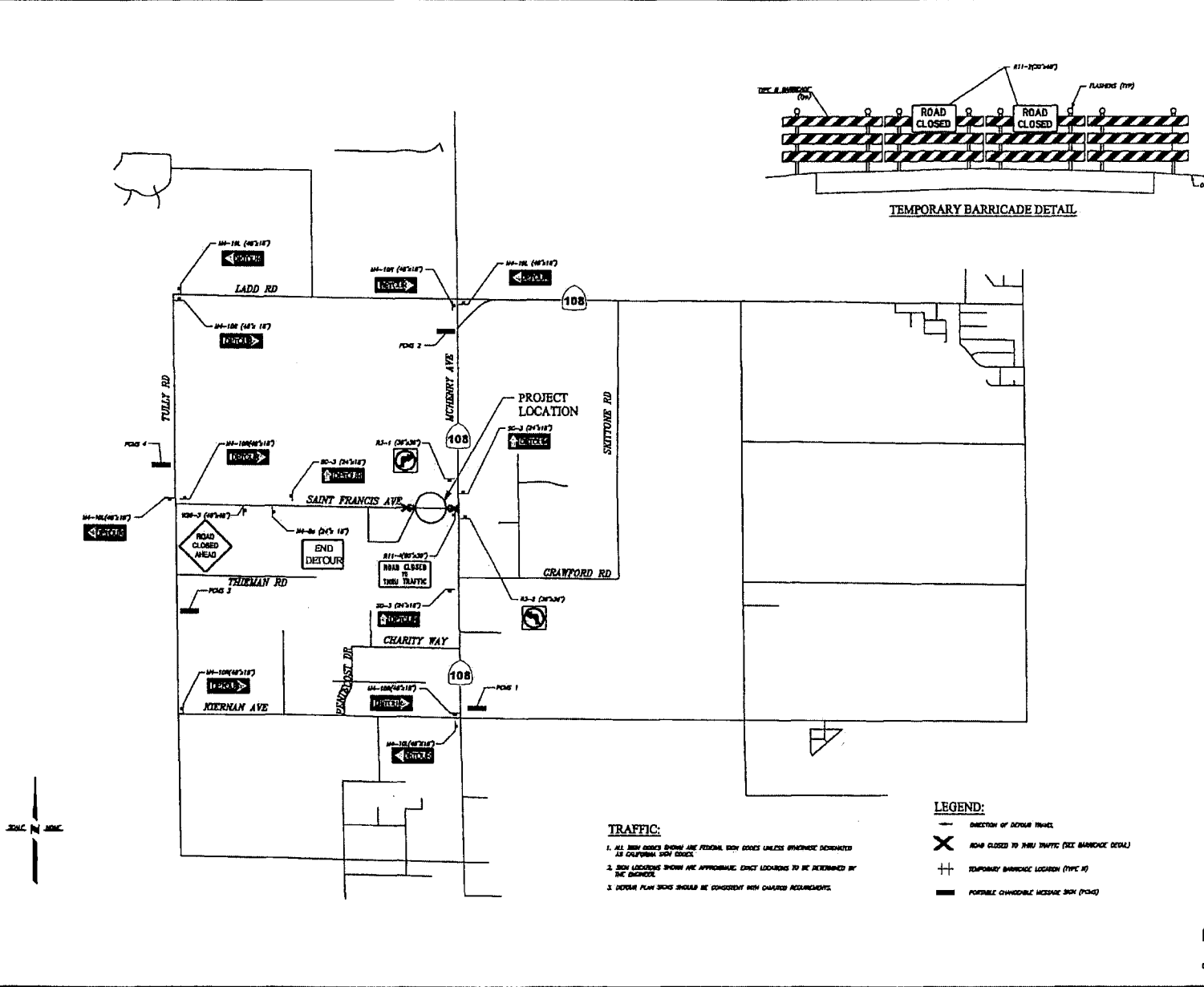
PREPARED UNDER THE SUPERVISION OF:

(Signature) DATE: 3/8/18

NO.	DESCRIPTIONS	DATE APPROVED



DATE: 3/8/18
 SHEET: 11 OF 18
 DRAWING NUMBER: 1118

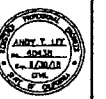


TRAFFIC:

1. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
2. SIGN LOCATIONS SHOWN ARE APPROXIMATE; EXACT LOCATIONS TO BE DETERMINED BY THE CONTRACTOR.
3. DETOUR PLAN SIGNS SHOULD BE CONSISTENT WITH CHARTERED REQUIREMENTS.

LEGEND:

- DIRECTION OF DETOUR TRAVEL
- X ROAD CLOSED TO TRAFFIC (SEE BARRICADE DETAIL)
- ++ TEMPORARY BARRICADE LOCATION (TYPIC #)
- PORTABLE CHANGEBLANK MESSAGE SIGN (POMS)



PROJECT NO.	DATE
ISSUED FOR	DATE
REVISION	DATE
BY	DATE
CHECKED	DATE
APPROVED	DATE

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 AMERICAN ROAD - YUBA CITY, CA 95901



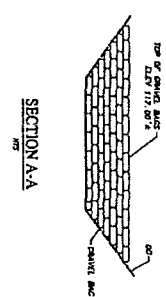
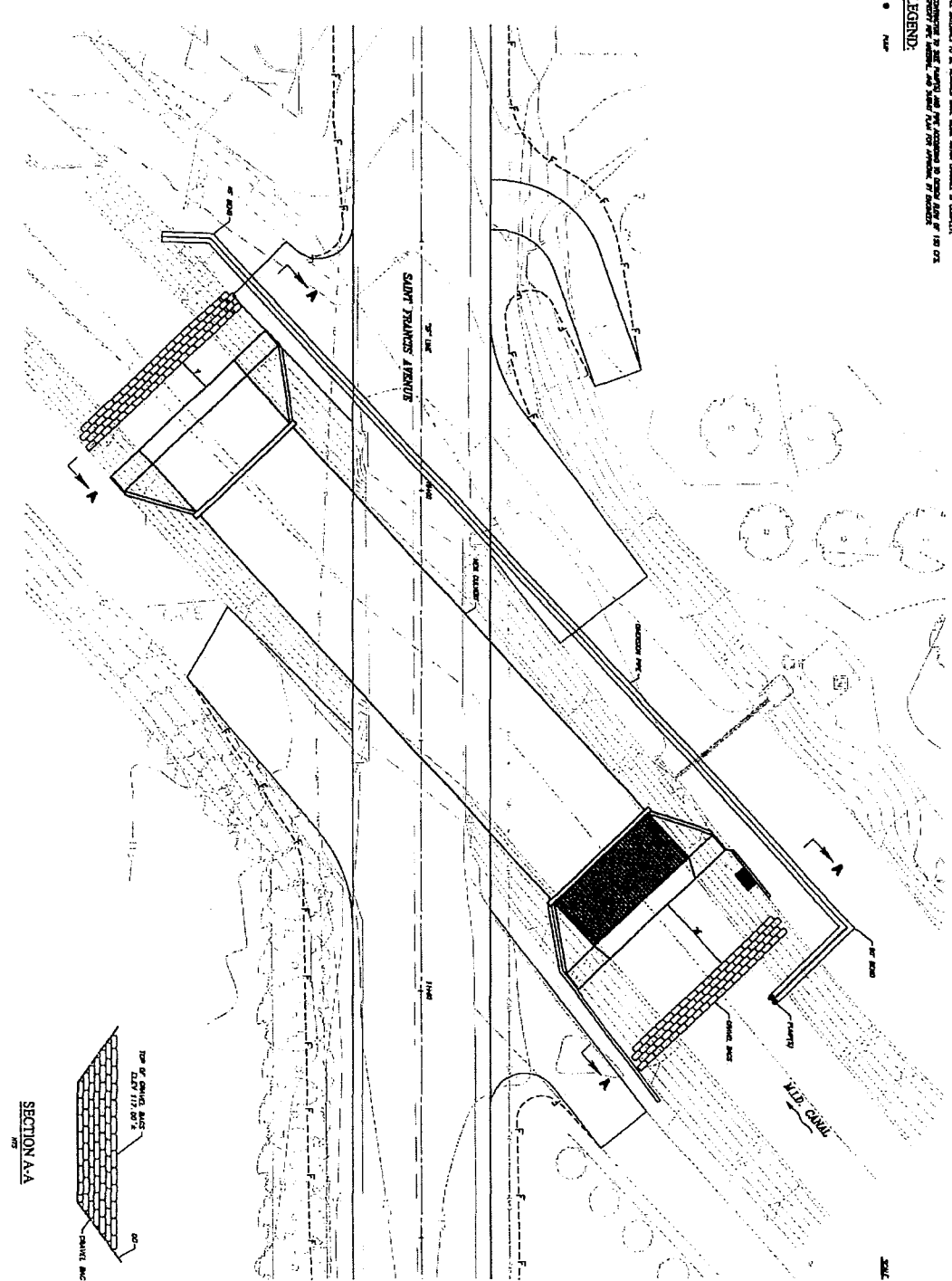
DETOUR PLAN
 APPROXIMATE PLAN FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA

JOB NO. SUBJECT
 DATE DESIGNED
 DRAWN BY
 CHECKED BY
 COUNTY
 SCALE



BY: 10/13/13 - 13/13
 PROJECT NO. 13/13 - 13/13

- NOTES:**
1. ALL DIMENSIONS TO BE SHOWN ON THIS PLAN SHALL BE IN FEET AND INCHES.
 2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS TO BE SHOWN ON THIS PLAN.
- LEGEND:**
- 1" = 10'
 - 1" = 20'



DATE: 10/13/13
 SHEET NO. 13
 TOTAL SHEETS: 18

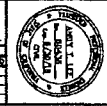
DIVERSION PLAN
 IMPROVEMENT PLAN FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 STANISLAUS COUNTY, CALIFORNIA



STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1710 MORGAN ROAD - MODOesto, CA 95358

PROPOSED BY: *[Signature]* DATE: 3/18/13

NO.	DESCRIPTION	REVISIONS	DATE	APPROVED



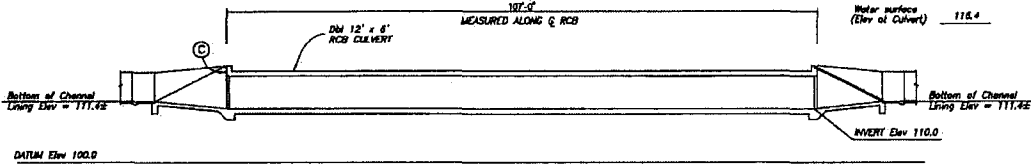
HYDROLOGIC SUMMARY

MD Design Flood	
Discharge (cfs)	210
Water surface (Elev of Culvert)	1116.4

NOTE: Flood Data is based upon information available when the plans were prepared and is shown to meet MD requirements. The accuracy of said information is not warranted by the MD or the County and interested or affected parties should make their own investigations.

QUANTITIES

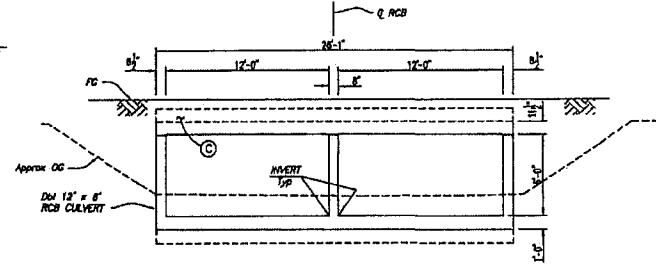
BRIDGE REMOVAL	1 LS
STRUCTURE EXCAVATION (CULVERT)	358 CY
STRUCTURE BACKFILL (CULVERT)	246 CY
STRUCTURE CONCRETE BOX CULVERT	300 CY
BAR REINFORCING STEEL (BOX CULVERT)	66,840 LB
MISCELLANEOUS METAL	2,632 LB



LONGITUDINAL SECTION
1" = 10'

INDEX TO PLANS

SHEET No.	TITLE
14	CULVERT GENERAL PLAN
15	BRIDGE DEMOLITION PLAN
16	BOX CULVERT DETAILS No. 1
17	BOX CULVERT DETAILS No. 2
18	LOG OF TEST BORINGS



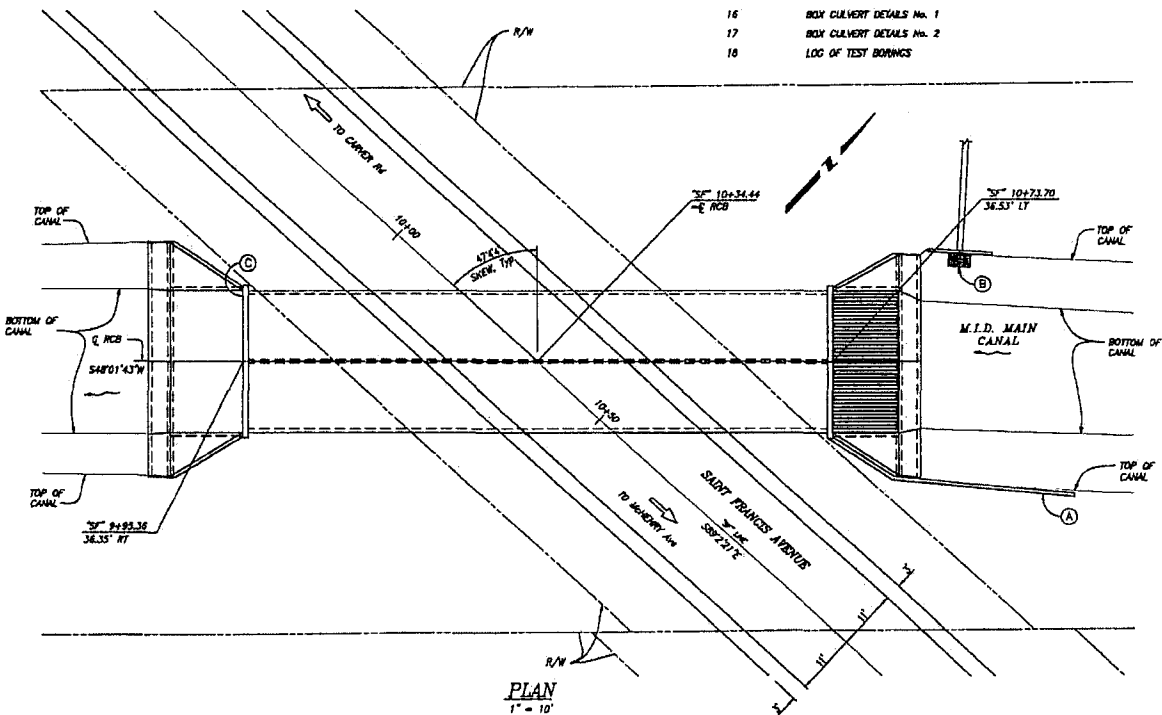
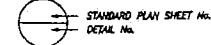
TYPICAL SECTION
1/4" = 1'-0"

DESIGN NOTES:

Design Specifications: AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments.
 Loading: Live load: (AASHTO LRFD 3.6.1.2) HL-93 consists of design truck or design tandem and design lane load.
 Impact Factor: (Apply to roof slab only) $IM = 33(1.0 - 0.125D) \geq 0X$ (AASHTO LRFD 3.6.2.2) $D_L =$ minimum depth of earth cover
 Earth load: Earth pressure for two conditions: 140 pcf vertical, 42 pcf horizontal; 140 pcf vertical, 140 pcf horizontal
 Load Factor: AASHTO LRFD Table 3.4.1.1 & Table 3.4.1.2
 Unit stresses: $f_c = 3600$ psi; $f_s = 60,000$ psi
 Distribution bars in top of slab: Up to and including 10'-0" cover. Express as a percentage of main positive reinforcement required: 100%. Max 50X.
 Shear: $V_u \leq [2.14 \sqrt{f_c} + 4800 \frac{A_s V_u}{b_s d_s}] d_s \leq 4.0 \sqrt{f_c} b_s d_s$ (Pounds) V_u shall not be less than $3.00 \sqrt{f_c} b_s d_s$ for frame members and $2.5 \sqrt{f_c} b_s d_s$ for simply supported members.
 Exclusion: Compressive reinforcement and negative moment reduction (for continuity) do not apply. Axial loading on members has not been considered.

STANDARD PLANS DATED 2010

- A104 ABBREVIATIONS (SHEET 1 OF 2)
- A109 ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)
- A10F LEGEND - SOIL (SHEET 1 OF 2)
- A10G LEGEND - SOIL (SHEET 2 OF 2)
- AS34 EXCAVATION AND BACKFILL - MISCELLANEOUS DETAILS
- AC25 CAST-IN-PLACE REINFORCED CONCRETE - EXCAVATION AND BACKFILL
- DB1 CAST-IN-PLACE REINFORCED CONCRETE - DOUBLE BOX CULVERT
- RSP DB2 CAST-IN-PLACE REINFORCED CONCRETE BOX CULVERT - MISCELLANEOUS DETAILS



- NOTES:
- (A) Retaining Curb, See "Road Plans"
 - (B) New Intake and Pipe Structure, See "Road Plans"
 - (C) Point Br. No. 3802343 and year constructed

NOTE: CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DATE	SCALE

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND INSPECTION DIVISION
1716 BROADWAY ROAD - JEROME, CA 95826





CULVERT GENERAL PLAN
IMPROVEMENT PLAN FOR
SAINT FRANCIS AVENUE
BRIDGE REPLACEMENT
CITY, CALIFORNIA

JOB NO	3802343
DATE	12/07/17
DR BY	S. BROWN
DR BY	J. BROWN
DR BY	J. BROWN
DR BY	J. BROWN
DR BY	J. BROWN
DR BY	J. BROWN

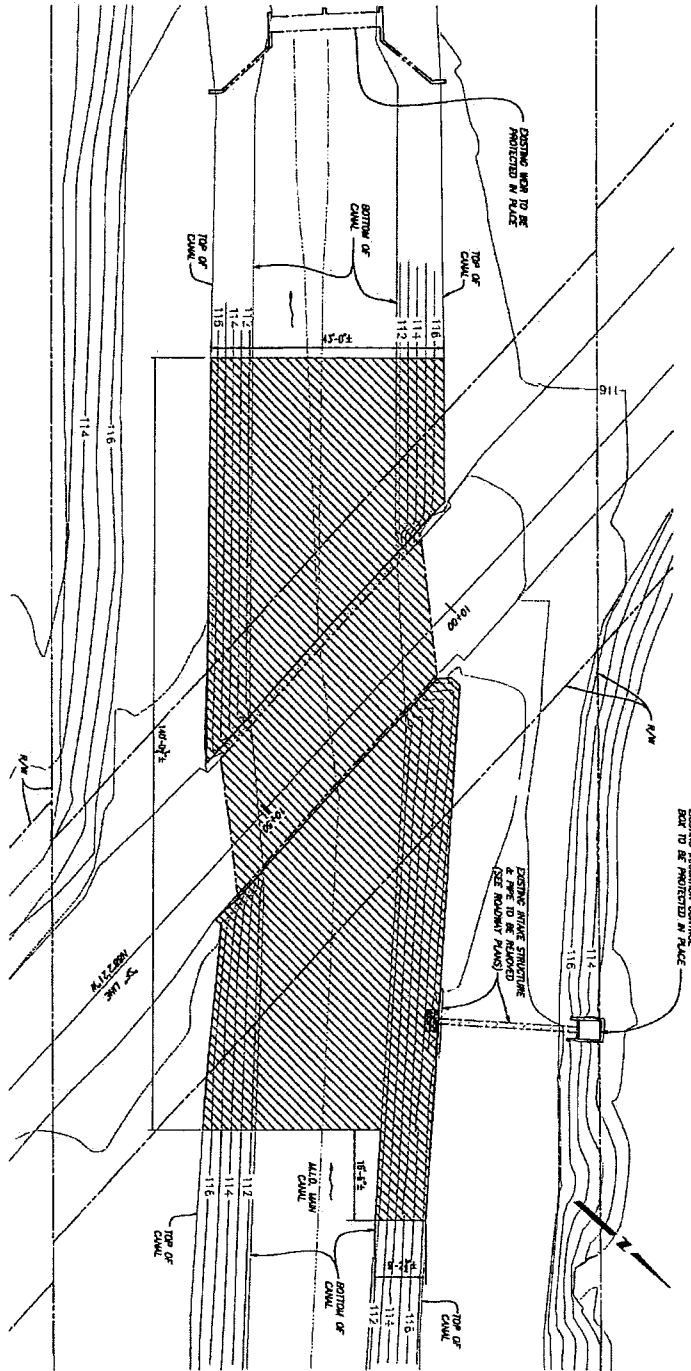


SHEET
14
OF 18 SHEETS

NOTE
 CONTRACTOR SHALL VERIFY ALL CONTAMINATED FIELDS
 AND REMOVE ALL CONTAMINATED MATERIAL


LEGEND:
 Historic Bridge Removal
 Historic Building Structure

DEMOLITION PLAN
 1" = 10'



DATE 15	SCALE 1" = 10'	PROJECT BRIDGE REPLACEMENT
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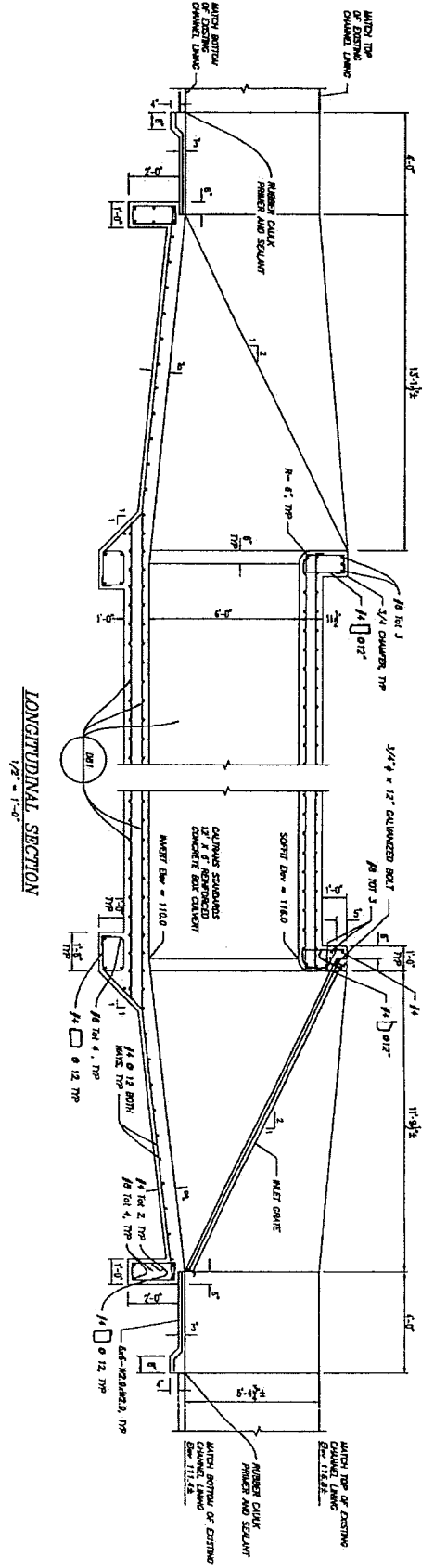
BRIDGE REMOVAL PLAN
 IMPROVEMENT PLANS FOR
 SAINT FRANCIS AVENUE
 BRIDGE REPLACEMENT
 CITY, CALIFORNIA



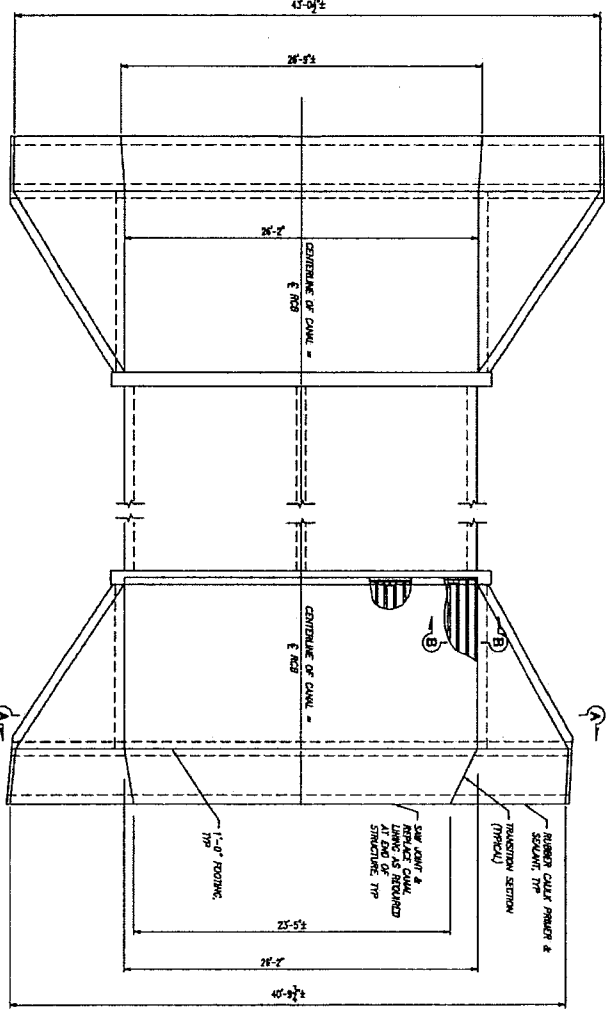
STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODesto, CA 95338

NO.	DESCRIPTION	DATE	APPROVED





- NOTES:
1. ALL JOINTS BETWEEN CHANNEL PILES SHALL BE APPROVED CONSTRUCTION JOINTS AND SHALL BE REINFORCED TO THE STANDARD AND L.L.D. DETAIL ON CONCRETE NOTES.
 2. CONSTRUCTION JOINTS ARE REQUIRED FOR ALL FLOOR/SLAB TO WALL TRANSITIONS.
 3. TRANSITION JOINTS SHALL BE PLACED 4' FROM THE PLANS OR AS PER-COMMUNED BY L.L.D. EXISTING JOINTS SHALL BE THOROUGHLY CLEANED AND LAUNCH REMOVED BEFORE A NEW POUR IS MADE. JOINTS SHALL BE NOTED AND IDENTIFIED BEFORE THE POUR.
 4. WIDTHS SHALL BE 6" MIN. RIBBED PVC WIDTHS WITH CENTER TO CENTER.
 5. REINFORCING STEEL SHALL COMPLY WITH THE CONCRETE REINFORCING NOTES.
 6. FOR SECTION A-A AND SECTION B-B SEE SHEET 17.
 7. FINISH & INSTALL WIDTH STOPS AT ALL POINTS.



NOTE:
CONCRETE SHALL COMPLY WITH CONCRETE REINFORCING NOTES.
REINFORCING SHALL BE INSTALLED AS SHOWN ON SHEET 17.



DATE OF REVISION	NO. 16
DATE OF REVISION	NO. 18
DATE OF REVISION	NO. 19
DATE OF REVISION	NO. 20
DATE OF REVISION	NO. 21
DATE OF REVISION	NO. 22
DATE OF REVISION	NO. 23
DATE OF REVISION	NO. 24
DATE OF REVISION	NO. 25
DATE OF REVISION	NO. 26
DATE OF REVISION	NO. 27
DATE OF REVISION	NO. 28
DATE OF REVISION	NO. 29
DATE OF REVISION	NO. 30

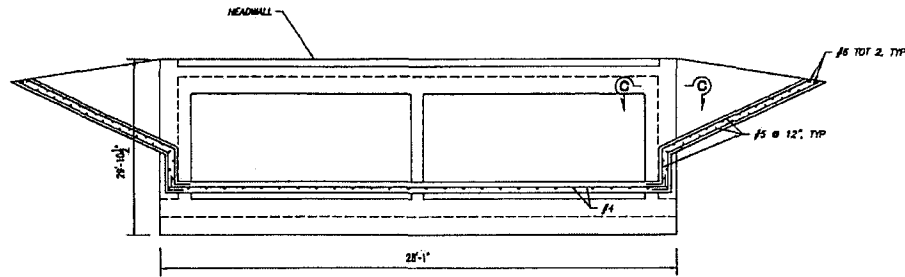
BOX CULVERT DETAILS No. 1
IMPROVEMENT PLANS FOR
SAINT FRANCIS AVENUE
BRIDGE REPLACEMENT
CITY, CALIFORNIA



STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 WORTH ROAD - MODOesto, CA 95338

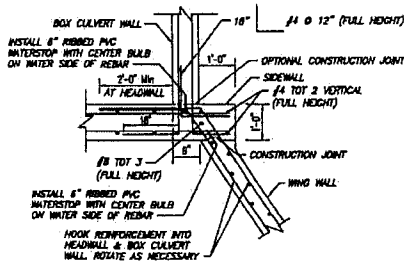
PREPARED BY	DATE
REVISIONS	DATE
NO.	DESCRIPTION
DATE	APPROVED



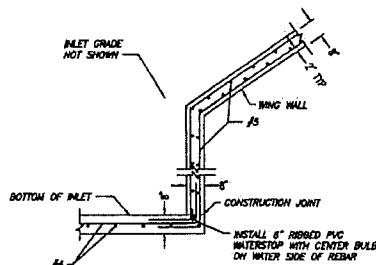


SECTION A-A
NOT TO SCALE

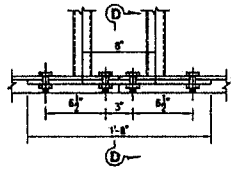
NOTE:
GRATE NOT SHOWN.



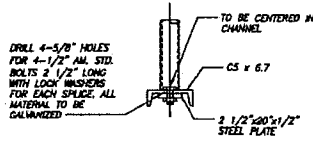
SECTION C-C
NOT TO SCALE



SECTION B-B
NOT TO SCALE



END GRATE SPLICE DETAIL
NOT TO SCALE

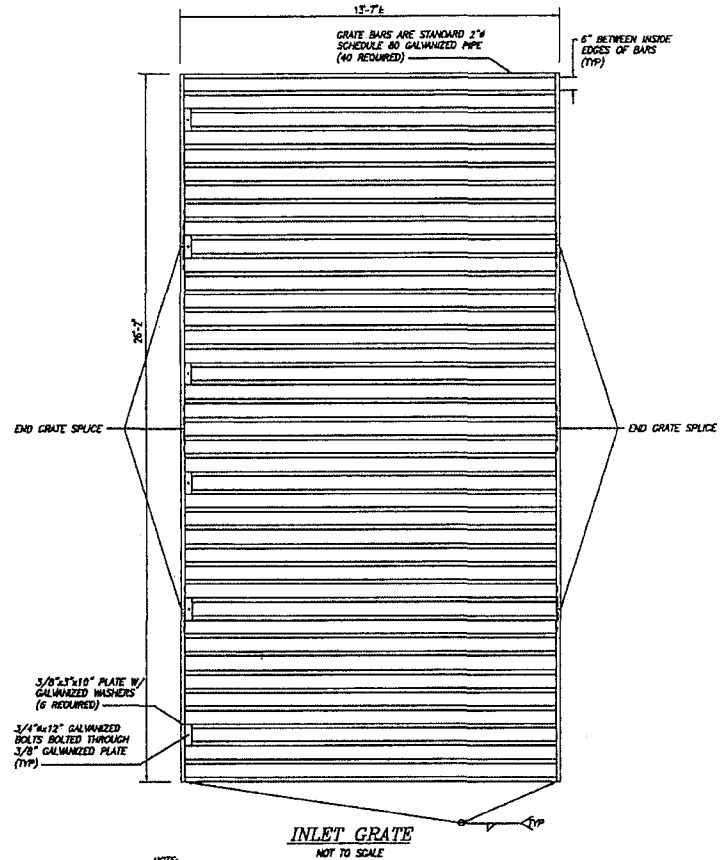


SECTION D-D
NOT TO SCALE

NOTE:

- FURNISH & INSTALL WATERSTOP AT ALL JOINTS.
- CONSTRUCTION JOINT TO BE ROUGHEN TO 1/8" AMPLITUDE AND SANDBLAST TO REMOVE ALL LOOSE AND LATENT MATERIAL PRIOR TO SETTING FORMS.

NOTE:
CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



INLET GRATE
NOT TO SCALE

NOTE:

GRATING IS TO BE FABRICATED IN 4 PARTS FROM GALVANIZED PIECES AND SPLICED AT THE WORK SITE (GALVANIZED PAINT IS TO BE APPLIED ON ALL WELDS) TYPICAL ALL CONSTRUCTION



DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1718 MORGAN ROAD - MODOESTA, CA 95358



BOX CULVERT DETAILS No. 1
APPROVED PLAN FOR
SAINT FRANCIS AVENUE
BRIDGE REPLACEMENT
CITY, CALIFORNIA

DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE



