

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

DEPT: Public Works *ABM*

BOARD AGENDA # \*C-3

Urgent  Routine

AGENDA DATE January 8, 2008

CEO Concurs with Recommendation YES  NO   
(Information Attached)

4/5 Vote Required YES  NO

SUBJECT:

Approval to Adopt Plans and Specifications for the Pirrone Road Canal Crossing Project and Set the Bid Opening Date and Time for January 23, 2008, 2:00 P.M.

STAFF RECOMMENDATIONS:

1. Adopt plans and specifications for the Pirrone Road Canal Crossing Project and set the bid opening date and time for January 23, 2008, 2:00 P.M.
2. Direct the Clerk of the Board to publish notice inviting bids for the project as required by law and set January 23, 2008, prior to 2:00 P.M., as the deadline for submission of bids.
3. Direct the Public Works Department staff to mail a notice inviting bids to trade journals as required by law.

FISCAL IMPACT:

The total estimated cost for this project is \$220,000. The project will be funded 100% with Salida Planned Development funds. At this time, \$5,000 is required for reproduction costs, advertisement costs and other miscellaneous costs associated with the bid process.

BOARD ACTION AS FOLLOWS:

No. 2008-013

On motion of Supervisor Grover, Seconded by Supervisor O'Brien  
and approved by the following vote,

Ayes: Supervisors: O'Brien, Grover, Monteith, DeMartini, and Chairman Mayfield

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1) X Approved as recommended

2) \_\_\_\_\_ Denied

3) \_\_\_\_\_ Approved as amended

4) \_\_\_\_\_ Other:

MOTION:

*Christine Ferraro*  
CHRISTINE FERRARO TALLMAN, Clerk

ATTEST:

File No.

Approval to Adopt Plans and Specifications for the Pirrone Road Canal Crossing Project and Set the Bid Opening Date and Time for January 23, 2008, 2:00 P.M.

#### DISCUSSION:

The Pirrone Road Project is part of the original Salida Community Plan. The Salida Community Plan was approved in December 1988 and encompassed approximately 700 acres of land. The plan included a mix of land uses, including residential, commercial, industrial, and public lands for schools, neighborhood parks and storm drainage facilities.

Modesto Irrigation District (M.I.D.) requires that canal construction be completed by March 15, 2008. Due to canal construction timing limitations, the Pirrone Road Project was separated into two phases. Phase 1 is the Pirrone Road Improvement Project and Phase 2 is the Pirrone Road Canal Crossing Project.

The limits of the Pirrone Road Canal Crossing Project shall be 50 feet south of the M.I.D. lateral to 375 feet north.

The Pirrone Road Canal Crossing Project will consist of overlaying a segment of Pirrone Road with asphalt concrete, pavement and irrigation structure widening, and constructing concrete curb, gutter, and sidewalk.

A master Environmental Impact Review (E.I.R.) was completed in 1989 by the Planning and Community Development Department as required by the California Environmental Quality Act (CEQA).

The Salida Municipal Advisory Council was notified by the Director of Public Works that the Pirrone Road Project was going before the Board of Supervisors for adoption.

The project is anticipated to begin construction in February 2008 and end April 2008.

#### POLICY ISSUES:

The Board should consider if the recommended actions are consistent with its priorities of providing a safe community, a healthy community and a well-planned infrastructure system.

#### STAFFING IMPACT:

There is no staffing impact associated with this item.

PS:la  
L:\ROADS\9445 - Pirrone Road Canal Crossing\Design\Board Items\Adopt & Bid.doc

**ATTACHMENTS AVAILABLE  
FROM YOUR CLERK**

# Stanislaus County Department of Public Works Pirrone Road Project

- Phase 1: Pirrone Road Improvement Project
- Phase 2: Pirrone Road Canal Crossing Project

## Project Location Map

Not To Scale



## **INVITATION TO CONTRACTORS**

### **“Pirrone Road Canal Crossing”**

Owner is Stanislaus County, Modesto CA; Engineer's Estimate is between \$150,000 and \$215,000; Sealed bids are due before 2:00 P.M., January 23, 2008, to the Clerk of the Board of Supervisors, 1010 10<sup>th</sup> Street, Ste. 6500, Modesto, CA 95354; Project contact is Robert.Meleg@stancounty.com or Fax: 209-525-4183. Work to be accomplished includes pavement and irrigation structure widening, asphalt concrete overlay of existing roadway, installation of curb, gutter, sidewalk, and other such items not mentioned herein that are required by the plans and specifications. Plans and specifications are available for purchase from Stockton Blue, Modesto CA, 209-524-2924 and can be viewed at [www.stocktonblue.com](http://www.stocktonblue.com) under “Public Plan Room”.

**DECLARATION OF PUBLICATION  
(C.C.P. S2015.5)**

**COUNTY OF STANISLAUS  
STATE OF CALIFORNIA**

I am a citizen of the United States and a resident Of the County aforesaid; I am over the age of Eighteen years, and not a party to or interested In the above entitle matter. I am a printer and Principal clerk of the publisher of **THE MODESTO BEE**, printed in the City of **MODESTO**, County of **STANISLAUS**, State of California, daily, for which said newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of **STANISLAUS**, State of California, Under the date of **February 25, 1951, Action No. 46453**; that the notice of which the annexed is a printed copy, has been published in each issue there of on the following dates, to wit:

**JANUARY 13, 14, 15, 16, 17, 18, &  
19, 20, 21, 22, 2008**

I certify (or declare) under penalty of perjury That the foregoing is true and correct and that This declaration was executed at **MODESTO, California** on

**JANUARY 22, 2008**

  
(Signature)

**INVITATION TO CONTRACTORS"**  
**Pirrone Road Canal Crossing"**  
Owner is Stanislaus County, Modesto CA; Engineer's Estimate is between \$150,000 and \$215,000; Sealed bids are due before 2:00 P.M., January 23, 2008, to the Clerk of the Board of Supervisors, 1010 10th Street, Ste. 6500, Modesto, CA 95354; Project contact is Robert.Meleg@stancounty.com or Fax: 209-525-4183. Work to be accomplished includes pavement and irrigation structure widening, asphalt concrete overlay of existing roadway, installation of curb, gutter, sidewalk, and other such items not mentioned herein that are required by the plans and specifications. Plans and specifications are available for purchase from Stockton Blue, Modesto CA, 209-524-2924 and can be viewed at www.stocktonblue.com under "Public Plan Room".  
**JANUARY 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 2008**

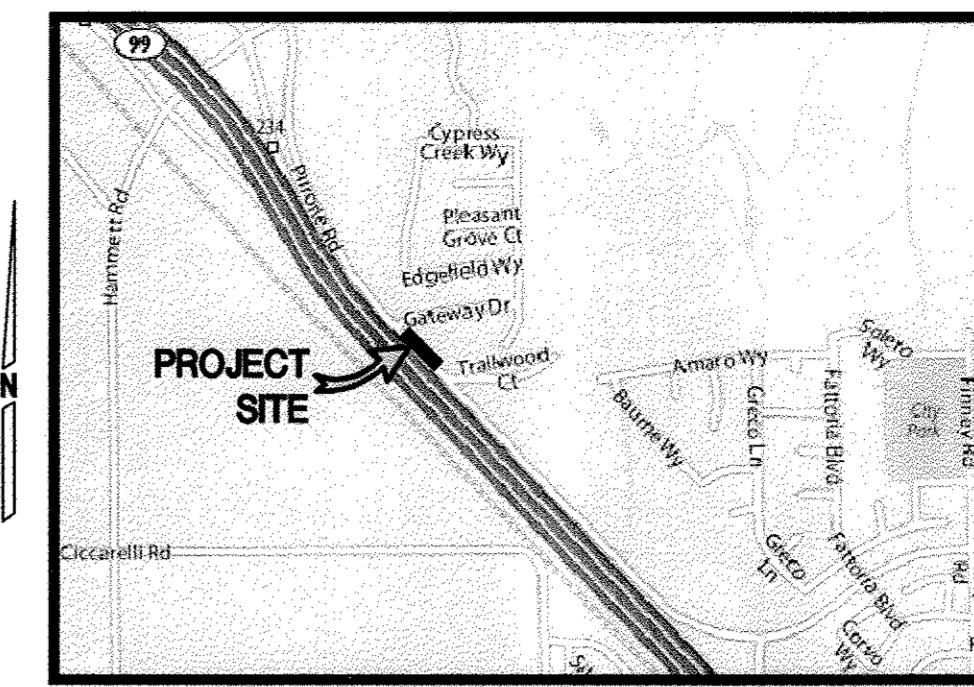


**ABBREVIATION LIST**

±	PLUS OR MINUS
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
BC	BEGINNING OF CURVE
BDRY	BOUNDARY
BM	BENCHMARK
BW	BACK OF WALK
C & G	CURB AND GUTTER
CB	CATCH BASIN
CO	CLEANOUT
CL	CENTERLINE
CONC.	CONCRETE
D	STORM DRAIN
DIP	DUCTILE IRON PIPE
EC	END OF CURVE
ELEV.	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX OR EXIST	EXISTING
FF	FINISH FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
GB	GRADE BREAK
HORIZ	HORIZONTAL
HP	HIGH POINT
INV.	INVERT
IRR	IRRIGATION
LF	LINEAL FEET
MH	MANHOLE
M.I.D.	MODESTO IRRIGATION DISTRICT
MIN.	MINIMUM
NTS	NOT TO SCALE
PL	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE PIPE
PVM	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
RET	RETURN
S/W	SIDEWALK
S	SANITARY SEWER
SD	STORM DRAIN
SHT	SHEET
SNS	STREET NAME SIGN
SP	STANDPIPE
STA	STATION
STD	STANDARD
TBM	TEMPORARY BENCH MARK
TO	TOP OF CURB
TEMP	TEMPORARY
THRU	THROUGH
VCP	VITRIFIED CLAY PIPE
W	WATER
UP	UTILITY POLE
TYP.	TYPICAL

# PIRRONE ROAD CANAL CROSSING

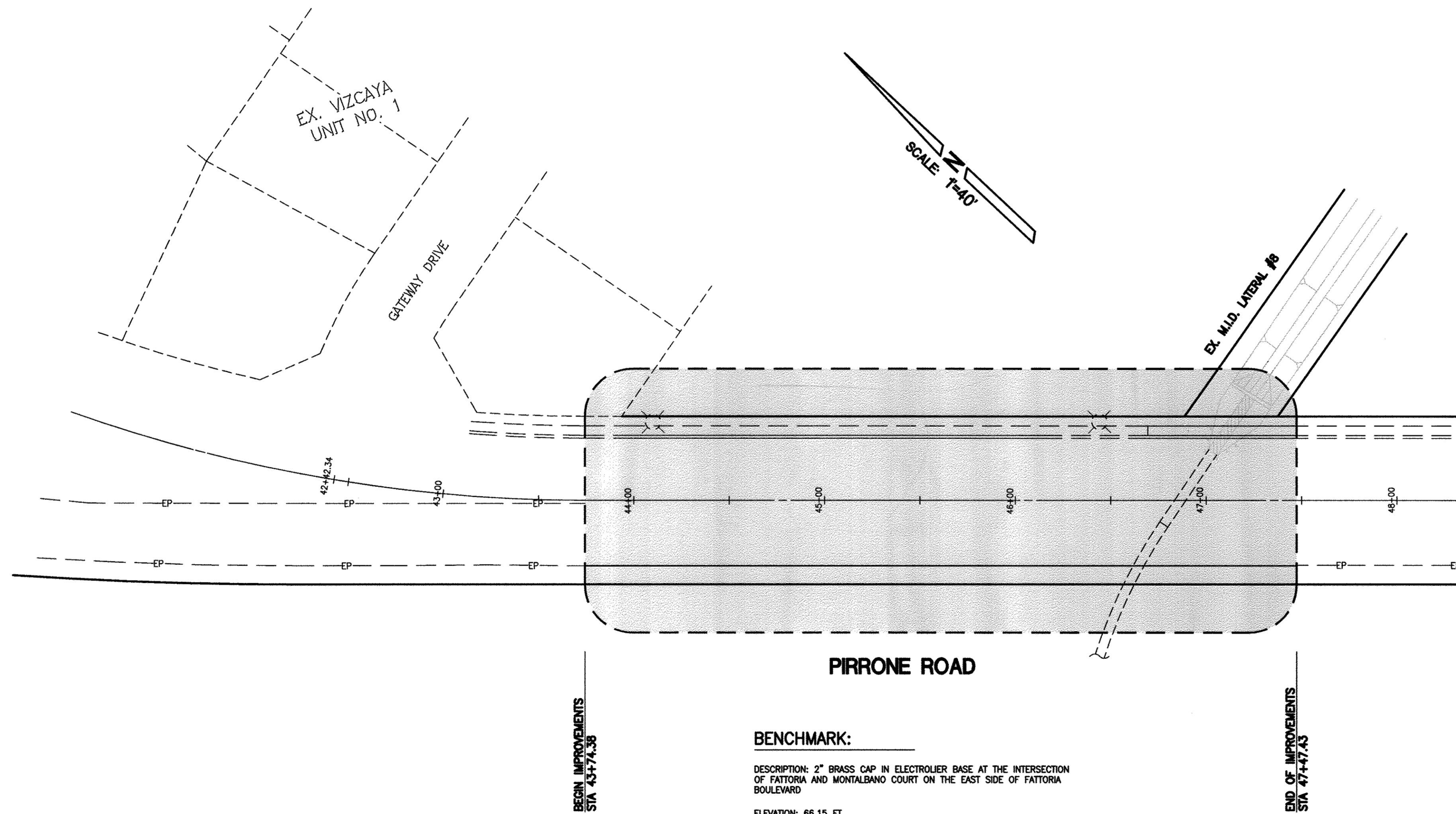
STATION 43+74.38 TO STATION 47+47.43  
STANISLAUS COUNTY, CALIFORNIA



VICINITY MAP  
N.T.S.

**SHEET INDEX**

- 1 COVER SHEET
- 2 NOTES & DETAIL SHEET
- 3 PLAN & PROFILE - PIRRONE ROAD (STA 43+74.38 TO STA 47+47.43)
- 4 STRIPING PLAN
- 5 DETAILS
- 6 DETAILS



**BENCHMARK:**  
DESCRIPTION: 2" BRASS CAP IN ELECTROLYER BASE AT THE INTERSECTION OF FATTORIA AND MONTALBANO COURT ON THE EAST SIDE OF FATTORIA BOULEVARD  
ELEVATION: 66.15 FT.

**LEGEND**

	CURB, GUTTER & SIDEWALK		EXISTING FIRE HYDRANT
	EXISTING CURB, GUTTER & SIDEWALK		EXISTING WATER LINE
	SLOPE & DIRECTION OF FLOW		EXISTING SEWER LINE
	EXISTING GROUND ELEVATION		EXISTING STORM DRAIN LINE
	EXISTING EDGE OF PAVEMENT		EXISTING IRRIGATION LINE
	TOP OF CURB ELEVATION		EXISTING MANHOLE
	ROAD MONUMENT		EXISTING CURB INLET
	EXISTING ELECTROLYER		EXISTING WATER VALVE
	ELECTRICAL CONDUIT		EXISTING FENCE

APPROVED BY THE DEPARTMENT OF PUBLIC WORKS,  
STANISLAUS COUNTY, CALIFORNIA  
BY: *Matthew Machado* DATE: 12-20-07  
MATTHEW MACHADO  
DIRECTOR OF PUBLIC WORKS

APPROVED BY THE MODESTO IRRIGATION DISTRICT, ELECTRICAL  
DEPT. FOR STREET LIGHT SERVICE LOCATION ONLY.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED BY MODESTO IRRIGATION DISTRICT IRRIGATION  
DEPARTMENT FOR IRRIGATION FACILITIES ONLY

BY: *Villalobos* DATE: 12-19-07

Plan Revisions:

Rev.No.	Date	Applicable Sheets/Revisions



1165 Scenic Drive, Suite A  
Modesto, CA 95350  
Ph 209.571.1765  
Fax 209.571.2466  
odellengineering.com

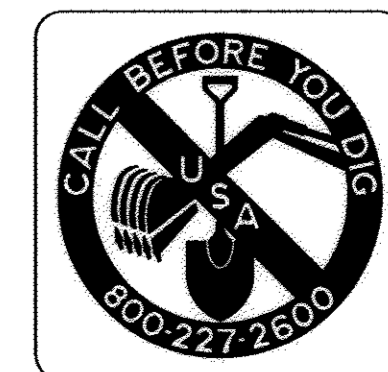
IMPROVEMENT PLANS  
**PIRRONE ROAD  
CANAL CROSSING**  
STANISLAUS COUNTY, CALIFORNIA

COVER SHEET



Approved: *Charles L. Cooper*

Designed: WFS  
Drawn: JC  
Checked: CC  
Scale: 1"=40'  
Date: 12/11/07  
Job No.: 13841  
File No.: 13841cv



Sheet No.  
**1**  
Of  
**6**



**GENERAL NOTES:**

- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER AND THE COUNTY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION OR CORRECTION THEREOF SHALL BE CONCLUSIVE.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL, AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.
- UNLESS OTHERWISE STATED, ALL STATIONS INDICATED ON THE IMPROVEMENTS PLANS ARE REFERENCED TO THE CENTER LINE OF THE STREET. ALL STATIONS ON THE CURVES ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTER LINE STATIONS, UNLESS OTHERWISE NOTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING FACILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY MARKING THE INSTALLED LOCATION OF ALL SANITARY AND WATER SERVICES (STAMPED WITH AN "S" AND "W" RESPECTIVELY), AT THE TIME OF INSTALLATION CONTRACTOR SHALL REMOVE ALL EXISTING BERMS, STRUCTURES AND BARRICADES, PAVING AND/OR OIL SCREENINGS WITHIN SPECIFIC AREAS INDICATED TO BE IMPROVED.
- THE OFFICE OF THE STANISLAUS COUNTY DEPT. OF PUBLIC WORKS ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK.
- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING: STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION), MODESTO IRRIGATION DISTRICT STANDARDS, SALIDA SANITARY SEWER DISTRICT STANDARDS, STANISLAUS COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES STANDARDS, STANISLAUS COUNTY DEPARTMENT OF FIRE SAFETY STANDARDS AND CITY OF MODESTO WATER STANDARDS. ALL WORK SHALL BE DONE UNDER THE INSPECTION OF THE RESPECTIVE ENTITY.
- P.G.&E., TELEPHONE AND CABLE TV UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF THE CURB, GUTTER, SIDEWALK AND PAVING.
- IF REQUIRED, THE CONTRACTOR SHALL DETERMINE THE PROPER WELL PLACEMENTS TO ADEQUATELY DEWATER THE AREA FOR TRENCHING.
- STANISLAUS COUNTY OR ASSOCIATED UTILITY COMPANY AND RESIDENCES TO BE AFFECTED SHALL BE NOTIFIED IMMEDIATELY UPON ANY UTILITY SERVICE DISRUPTION OTHER THAN SPECIFIED ON THESE IMPROVEMENT PLANS AND A 24 HOUR NOTICE SHALL BE GIVEN FOR ANY PLANNED DISRUPTION.
- DUST SHALL BE CONTROLLED AS PER SECTION 10 OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS AND STANISLAUS COUNTY'S SPECIFICATIONS.
- STREET SIGNS, TRAFFIC CONTROL SIGNS, AND PAVEMENT MARKINGS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT LOCATIONS ESTABLISHED BY THE STANISLAUS COUNTY DEPT. OF PUBLIC WORKS.
- THE CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
- ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50°F AND RISING.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATION OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF NEW IMPROVEMENTS W/STANISLAUS COUNTY, MODESTO IRRIGATION DISTRICT AND ALL RESPECTIVE UTILITY COMPANIES PRIOR TO START OF CONSTRUCTION.
- ALL SERVICE LATERALS SHALL BE CONSTRUCTED PER THE LOCAL APPLICABLE AGENCIES STANDARD PLANS AND SPECIFICATIONS.
- MANHOLE CASTINGS AND COVERS SHALL BE ADJUSTED TO FINAL GRADES BY THE PAVING CONTRACTOR AFTER STREET IMPROVEMENTS ARE COMPLETED.
- ALL WATER LINES SHALL BE TESTED AND DISINFECTED IN COMPLIANCE WITH THE REQUIREMENTS OF CITY OF MODESTO DEPT. OF PUBLIC WORKS STANDARD PLANS AND SPECIFICATIONS, PRIOR TO FINAL ACCEPTANCE.
- ALL TRENCHES ON MAJOR AND COLLECTOR STREETS AND CROSS TRENCHES ON ALL STREETS SHALL BE PAVED WITH TEMPORARY PAVING THE SAME DAY THE PAVEMENT CUT IS MADE.
- THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR NEGLIGENCE, LOSS OR DISTURBANCE.
- DRAWING NUMBERS SHOWN ON THESE PLANS REFER TO DRAWINGS CONTAINED IN THE STANISLAUS COUNTY STANDARD PLANS AND SPECIFICATIONS (2007 EDITION).
- PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (USA) 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL FREE NUMBER (800) 642-2444. THE CONTRACTOR SHALL RECORD THE U.S.A. ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER PRIOR TO ANY EXCAVATION. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE DEVELOPMENT.
- ATTENTION IS CALLED TO TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540 (A) (1) OF THE CONSTRUCTION SAFETY ORDERS ISSUED BY THE OCCUPATION SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONS SAFETY AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES: (1) PRIOR TO OPENING ANY EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING; AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND REPLACEMENT OF EXISTING IMPROVEMENTS.
- WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF STANISLAUS COUNTY.
- PAYMENT FOR PAVEMENT WILL BE MADE ONLY FOR AREAS SHOWN ON PLANS. REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR PAVEMENT, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.

**CONSTRUCTION AREA TRAFFIC CONTROL**

- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN CONFORMANCE WITH THE CURRENT ISSUE OF "MANUAL OF TRAFFIC CONTROLS WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS" PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY.
- CONTRACTOR SHALL MAINTAIN ACCESS FOR LOCAL TRAFFIC AT ALL TIMES AND SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 2, "SAFETY", STANISLAUS COUNTY STANDARDS AND SPECIFICATIONS
- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TO THE COUNTY FOR REVIEW AND APPROVAL, A CONSTRUCTION STAGING PLAN FOR WORK SHOWN ON THESE PLANS.
- THE COST TO COMPLY WITH "CONSTRUCTION AREA TRAFFIC CONTROL" SHALL BE INCLUDED IN THE VARIOUS ITEM OF BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THEREFOR.

**STRIPING AND SIGNAGE NOTES**

- ALL SIGNING SHALL CONFORM TO STANISLAUS COUNTY STANDARDS.
- INSTALLATION OF THE PAVEMENT STRIPING AND SIGNING TO BE INSPECTED BY THE STANISLAUS COUNTY TRAFFIC ENGINEERING DIVISION BEFORE BEING INSTALLED.
- ALL PAINTED LEGENDS SHALL CONFORM TO CAL-TRANS STANDARDS.
- ALL STRIPING AND PAINTED LEGENDS TO BE THERMOPLASTIC.
- PAVEMENT MARKINGS SHALL BE FIELD REVIEWED BY THE STANISLAUS COUNTY TRAFFIC ENGINEER, PRIOR TO ANY INSTALLATION. CONTRACTOR TO COORDINATE.

**GRADING NOTES:**

- ALL GRADING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION), AND THE GEOTECHNICAL SERVICES REPORT.
- CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITIES TO REMOVE OR RELOCATE ALL EXISTING UTILITY POLES IN CONFLICT WITH PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY AND ALL UNSUITABLE FILL MATERIAL FROM THE SITE IN ACCORDANCE WITH APPLICABLE LAWS, AND ORDINANCES. REMOVAL OF SAID MATERIAL SHALL BE INCLUDED IN THE VARIOUS CONTRACT PRICES PAID FOR IN THE OWNERS/CONTRACTORS CONSTRUCTION CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE MADE UNLESS OTHERWISE OWNER APPROVED BY CHANGE ORDER.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITH WRITTEN AUTHORIZATION FROM THE ENGINEER.
- WHENEVER EXISTING FACILITIES ARE DAMAGED, BROKEN AND/OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, AFTER PROPER BACKFILLING AND/OR CONSTRUCTION WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF STANISLAUS COUNTY AND THE PROJECT ENGINEER.
- AN APPROVED SOIL STERILANT SHALL BE APPLIED TO ALL STREET SUB-GRADE SURFACES PRIOR TO CONSTRUCTION.

**DEMOLITION NOTES:**

- ALL WELLS, SEPTIC TANKS AND LEECH LINES LOCATED DURING THE COURSE OF CONSTRUCTION SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS OF STANISLAUS COUNTY HEALTH DEPARTMENT AND APPLICABLE GROUNDWATER PROTECTION ORDINANCES. THIS WORK SHALL BE INCLUDED AS PART OF THE DEMOLITION COST. A PERMIT FOR WELL DESTRUCTION SHALL BE OBTAINED FROM THE STANISLAUS COUNTY HEALTH DEPARTMENT.

**DUST CONTROL**

- ALL EXPOSED SURFACES SHALL BE WATERED A MINIMUM OF TWICE DAILY UNLESS DEEMED UNNECESSARY DUE TO WEATHER. WATER SHALL BE APPLIED AS PROVIDED IN SECTION 17 OF CALTRANS STANDARD SPECIFICATIONS.
- DUST PALLATIVES MAY BE SUBSTITUTED FOR WATERING UPON THE APPROVAL OF THE ENGINEER. DUST PALLATIVES SHALL BE APPLIED AS PROVIDED IN SECTION 18 OF CALTRANS STANDARD SPECIFICATIONS.
- ALL TRUCKS CARRYING LOOSE MATERIALS SHALL BE COVERED WITH A TARPULIN.
- ALL EXPOSED EARTH SURFACES SHALL BE PLANTED AT THE EARLIEST POSSIBLE TIME.

**EXISTING UTILITIES**

- ALL EXISTING MANHOLE RIMS, VALVE BOXES, MONUMENTS, VAULTS, AND OTHER UTILITIES IN THE RIGHT-OF-WAY SHALL BE ADJUSTED TO FINISH GRADE AFTER STREET PAVING. COST FOR RAISING FACILITIES TO BE INCLUDED IN UNIT PRICE FOR PAVING.
- CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY DURING CONSTRUCTION.
- ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE APPROPRIATE AGENCY PRIOR TO STARTING WORK.

**EARTHWORK**

- EARTHWORK SHALL BE PERFORMED AS SET FORTH IN SECTION 19, "EARTHWORK" OF THE STATE STANDARD SPECIFICATIONS.
- COMPACTION SHALL CONFORM TO SECTION 3.9, "EARTHWORK" OF THE STANISLAUS COUNTY STANDARDS AND SPECIFICATIONS AND SECTION 19 OF THE STATE STANDARD SPECIFICATIONS. THE LOOSE THICKNESS OF EACH LAYER SHALL NOT EXCEED 8 INCHES.

**AGGREGATE BASE:**

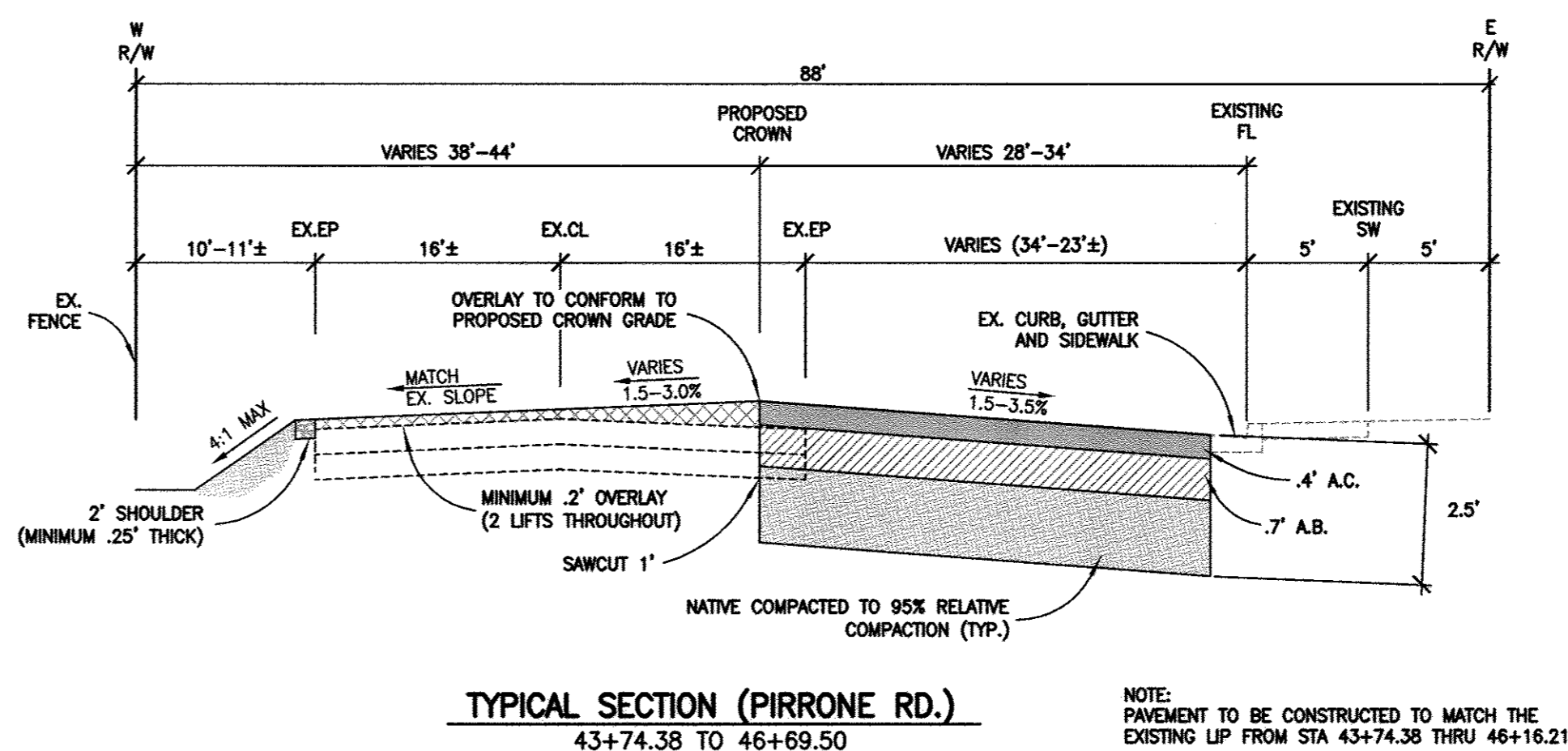
- THE AGGREGATE BASE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF SECTION 26, "AGGREGATE BASES" OF THE STATE STANDARD SPECIFICATIONS FOR CLASS 2, THREE-QUARTER (¾) INCH MAXIMUM COMBINED GRADATION.

**ASPHALT CONCRETE**

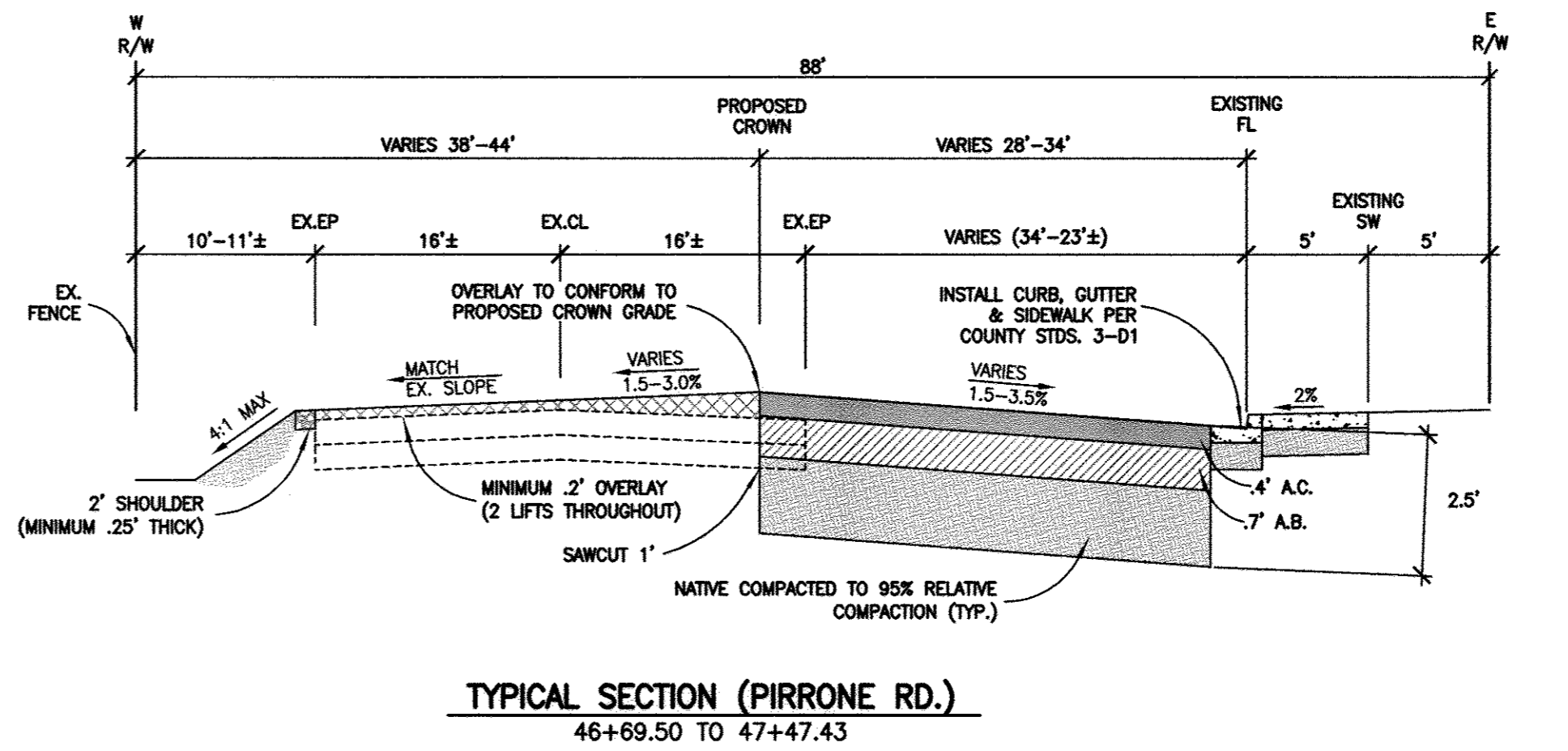
- THE ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 39, "ASPHALT CONCRETE" OF THE STATE STANDARD SPECIFICATIONS. ASPHALT CONCRETE SHALL BE TYPE "A". AGGREGATE USED IN ALL BUT THE FINAL COURSE AND SHALL BE THREE-QUARTER (¾) INCH MAXIMUM MEDIUM GRADE. AGGREGATE USED IN THE FINAL COURSE SHALL BE ONE-HALF (½) INCH MAXIMUM MEDIUM GRADE.
- THE ASPHALT SHALL BE GRADE PG 64-10 AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- PLACEMENT OF THE ASPHALT CONCRETE PAVING SHALL CONFORM TO THE REQUIREMENTS OF SECTION 3.12, "ASPHALT CONCRETE" OF THE STANISLAUS COUNTY STANDARDS AND SPECIFICATIONS AND SECTION 19 OF THE STATE STANDARD SPECIFICATIONS. LONGITUDINAL JOINTS SHALL CORRESPOND WITH TRAFFIC LANES. MINIMUM 2 LIFTS THROUGHOUT.
- HEADER BOARDS SHALL BE INSTALLED TO PROTECT THE EDGES OF THE ASPHALT CONCRETE WHERE ROADS ARE PARTIALLY COMPLETED IN CONFORMANCE TO SECTION 3.15, "HEADER BOARDS" OF THE STANISLAUS COUNTY STANDARDS AND SPECIFICATIONS.

STREET	SECTION	ROW	T.I.	SIDEWALK	CURB
PIRRONE ROAD	0.40' A.C. OVER 0.70' A.B.	88'	8	5.0'	VERT.

NOTE:  
REFER TO GEOTECHNICAL INVESTIGATION REPORT



NOTE:  
PAVEMENT TO BE CONSTRUCTED TO MATCH THE EXISTING LIP FROM STA 43+74.38 THRU 46+16.21



Plan Revisions:

Rev.No.	Date	Applicable Sheets/Revisions



1165 Scenic Drive, Suite A  
Modesto, CA 95350  
Ph 209.571.1765  
Fax 209.571.2466  
odellengineering.com

**IMPROVEMENT PLANS**  
**PIRRONE ROAD**  
**CANAL CROSSING**  
 STANISLAUS COUNTY, CALIFORNIA

**NOTES & DETAIL SHEET**



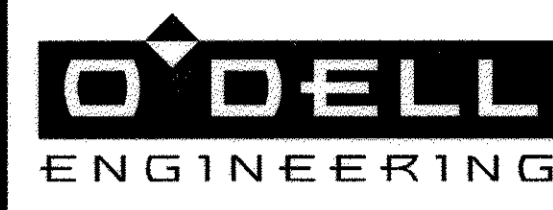
Approved: *Charles L. Covello*

Designed: WFS  
 Drawn: JC  
 Checked: CC  
 Scale: 1"=40'  
 Date: 12/11/07  
 Job No.: 13841  
 File No.: 13841nt



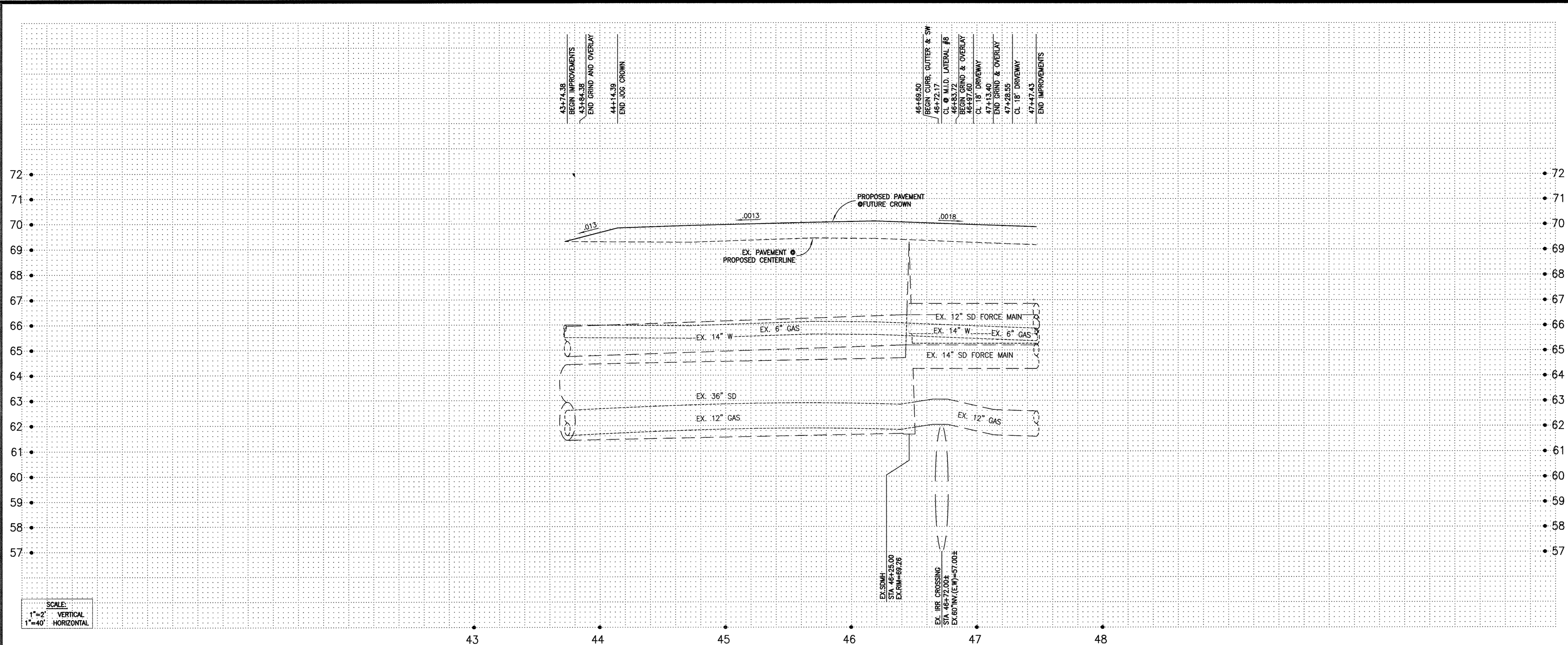


Plan Revisions:		
Rev.No.	Date	Applicable Sheets/Revisions



1165 Scenic Drive, Suite A  
Modesto, CA 95350  
Ph 209.571.1765  
Fax 209.571.2468  
odellengineering.com

IMPROVEMENT PLANS  
**PIRRONE ROAD**  
**CANAL CROSSING**  
STANISLAUS COUNTY, CALIFORNIA

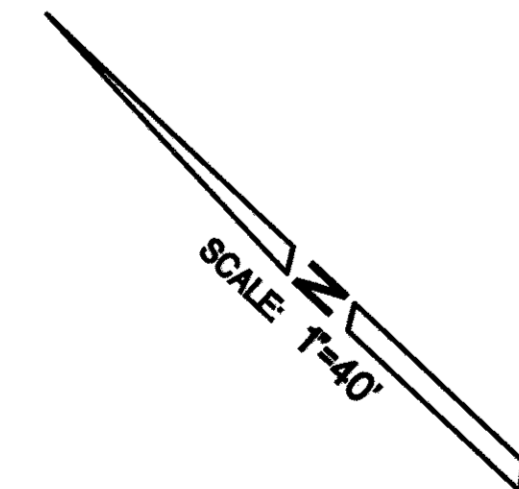


SCALE:  
1"=2' VERTICAL  
1"=40' HORIZONTAL

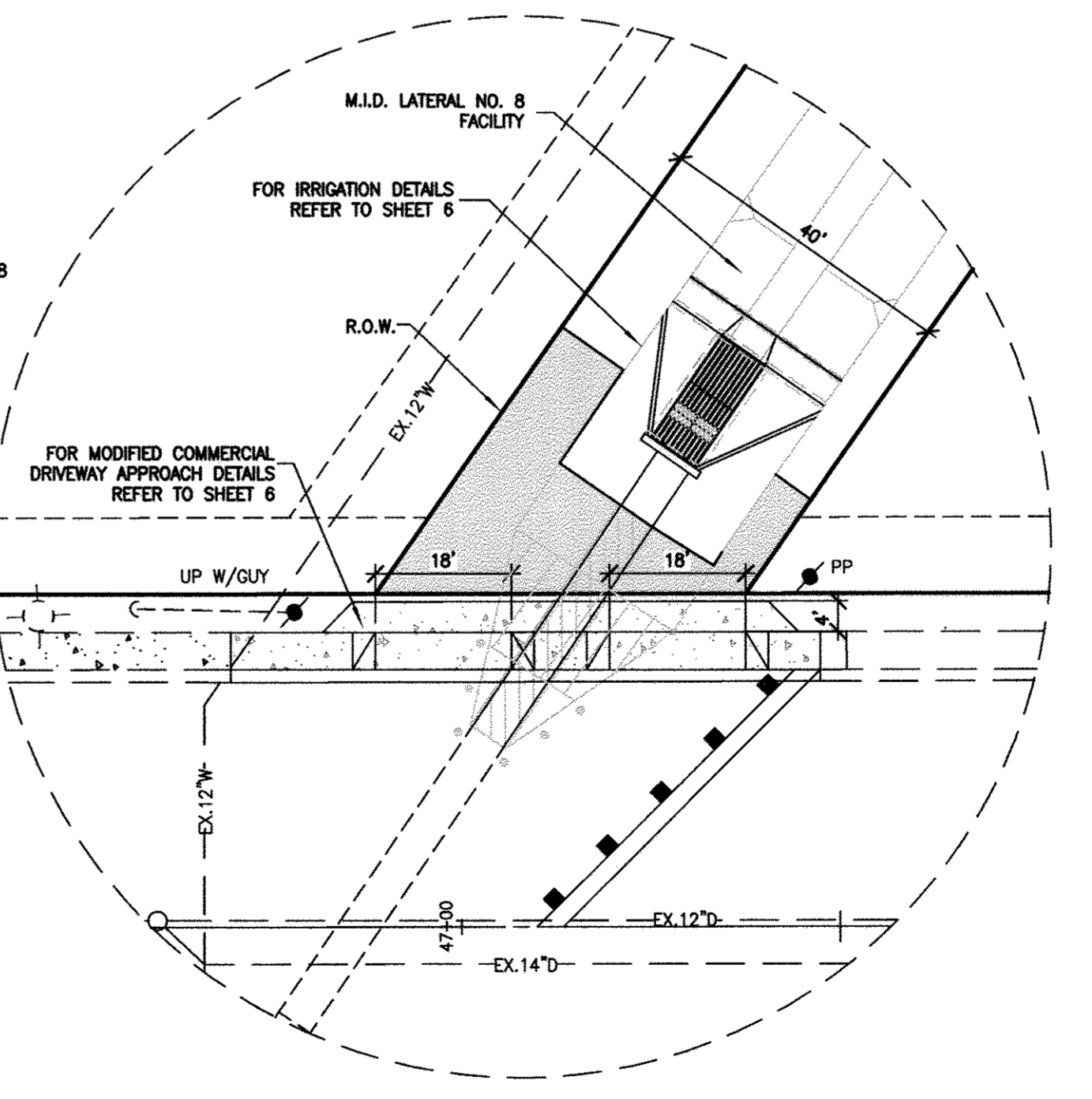
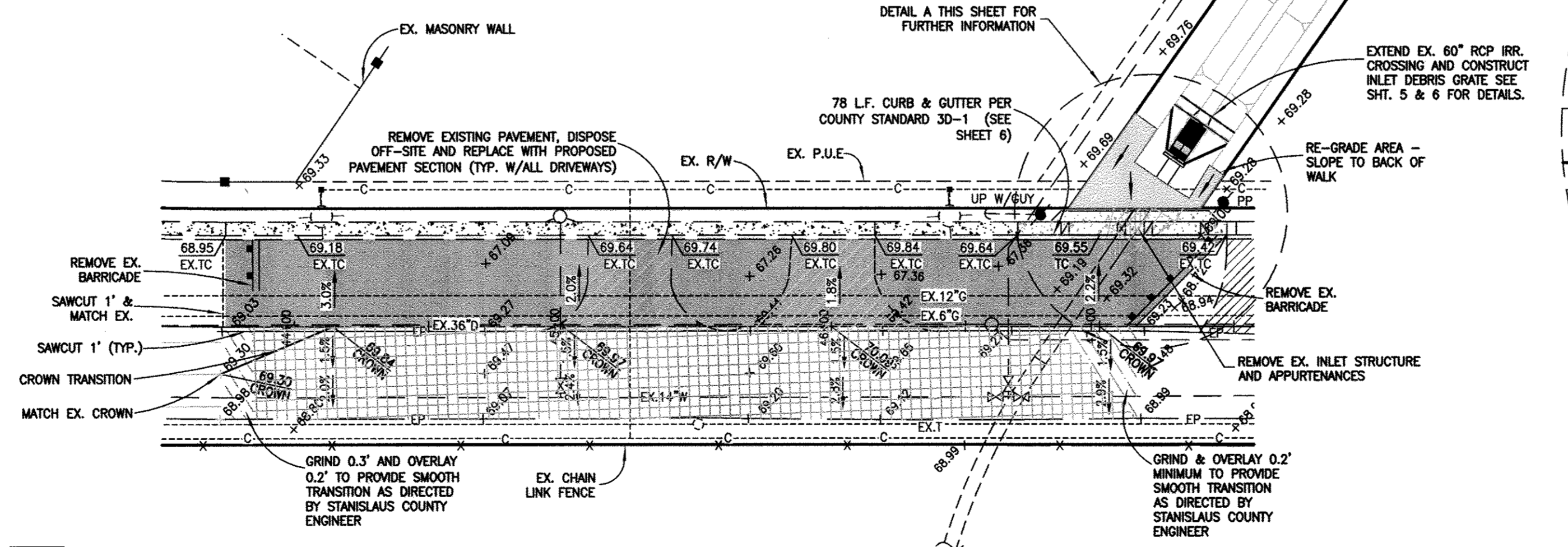
NOTE:  
CONTRACTOR TO RAISE EX. UTILITIES TO  
FINISH GRADE PER COUNTY STANDARDS.

NOTE:  
CONSTRUCT PAVEMENT TO MATCH THE EXISTING LIP  
(EAST SIDE) FROM STA 43+74.38 THRU 46+16.21

NOTE:  
CONTRACTOR TO POTHOLE EXISTING GAS AND  
STORM FACILITIES AT 100' INTERVALS OR AS  
DIRECTED BY STANISLAUS COUNTY ENGINEER AT  
HIS OWN EXPENSE TO ENSURE ADEQUATE  
COVERAGE.



SCALE 1"=40'



DETAIL A  
1"=20'

- PAVEMENT SECTION:  
4" ASPHALT CONCRETE OVER  
.7" AGGREGATE BASE.
- .2' MINIMUM OVERLAY
- REMOVE EXISTING PAVEMENT,  
DISPOSE OFF-SITE AND REPLACE  
WITH PROPOSED PAVEMENT SECTION.
- .3" GRIND AND .2' MINIMUM OVERLAY

**PIRRONE ROAD**

- NOTES:**
- ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
  - THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
  - ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



Plan & Profile

**PIRRONE ROAD**  
(STA: 43+74-47+47)



Approved: *[Signature]*

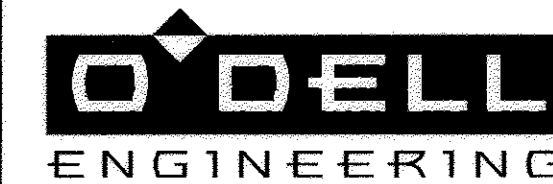
Designed: WFS  
Drawn: JC  
Checked: CC  
Scale: 1"=40'  
Date: 12/11/07  
Job No.: 13841  
File No.: 13841pp1

Sheet No.

**3**  
Of  
**6**



Plan Revisions:		
Rev.No.	Date	Applicable Sheets/Revisions



1165 Scenic Drive, Suite A  
 Modesto, CA 95350  
 Ph 209.571.1765  
 Fax 209.571.2466  
 odellengineering.com

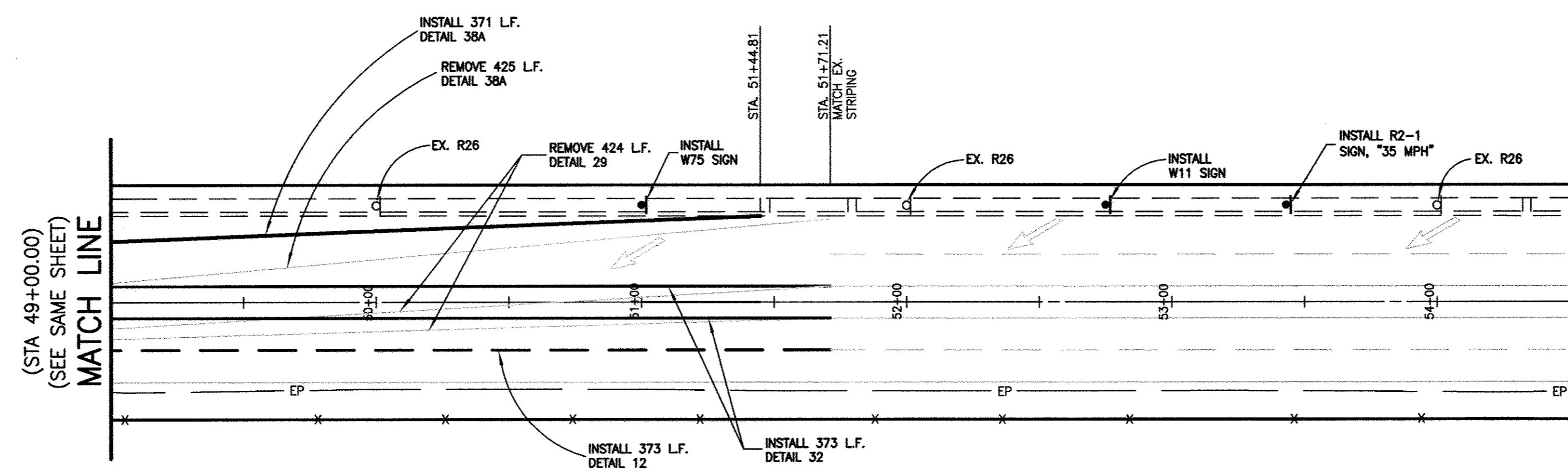
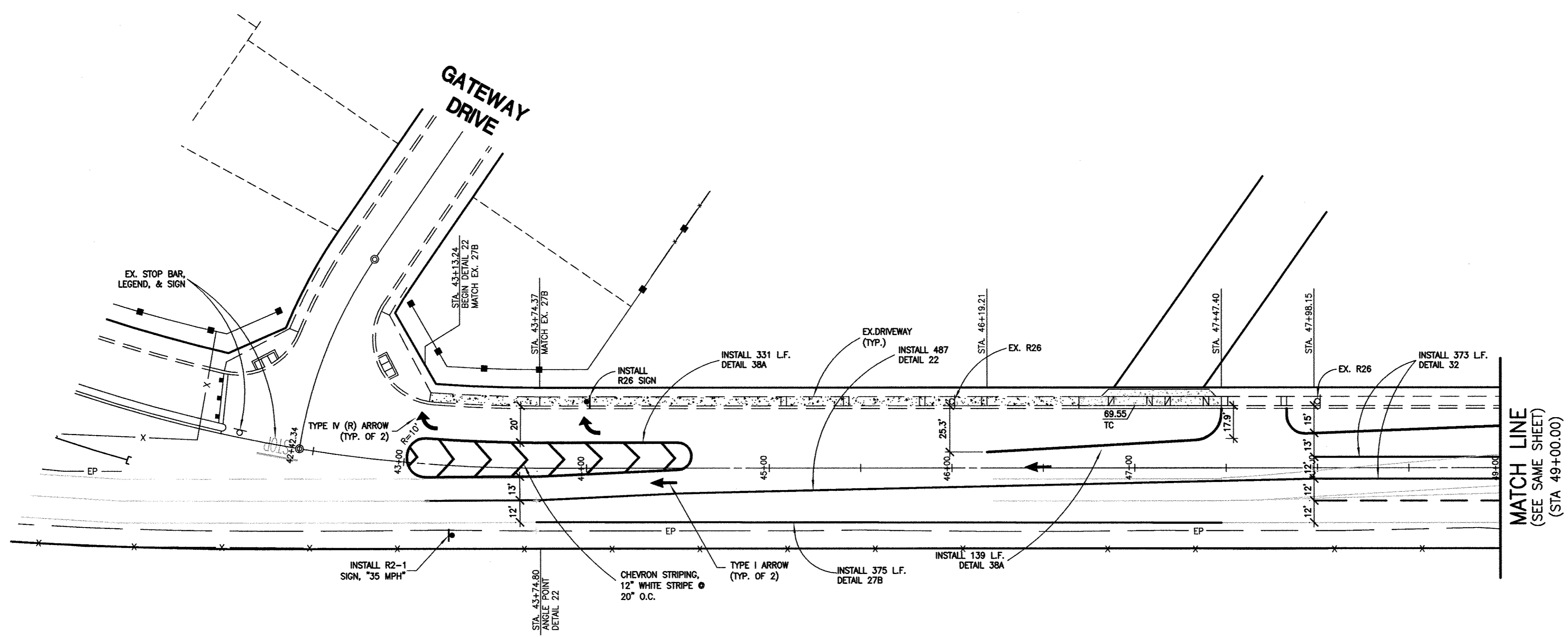
IMPROVEMENT PLANS  
**PIRRONE ROAD  
 CANAL CROSSING**  
 STANISLAUS COUNTY, CALIFORNIA

STRIPING PLAN

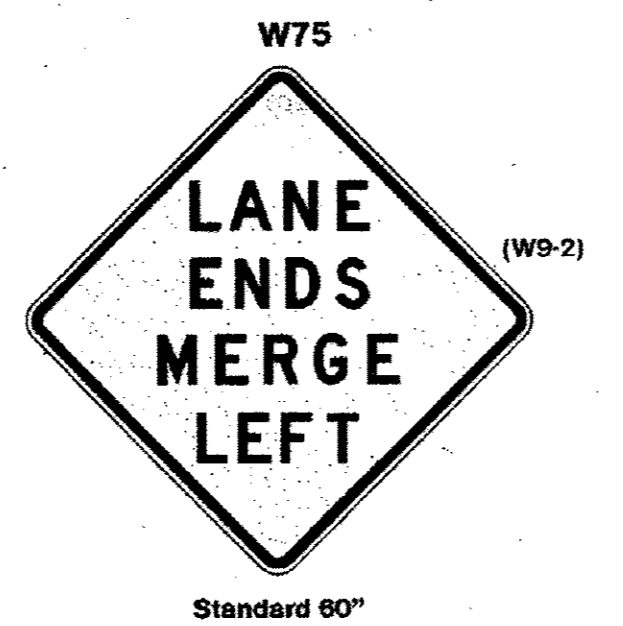
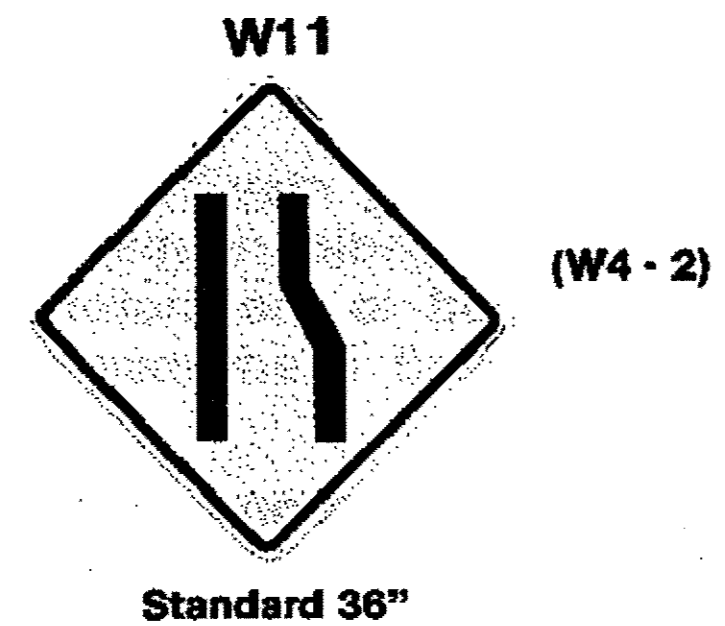
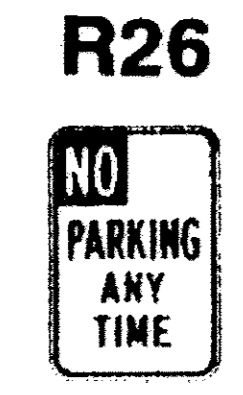
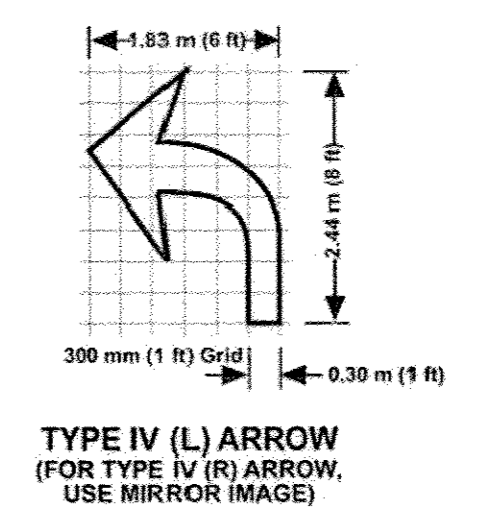
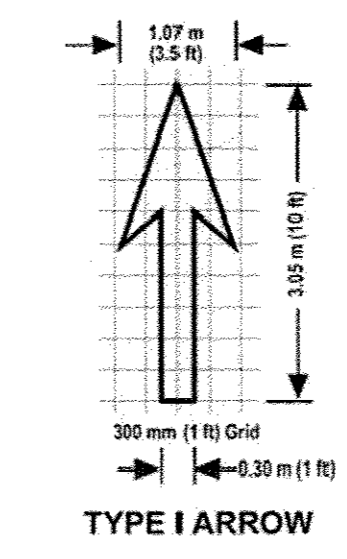
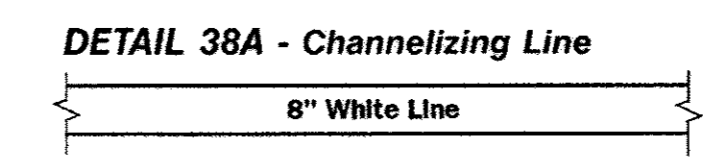
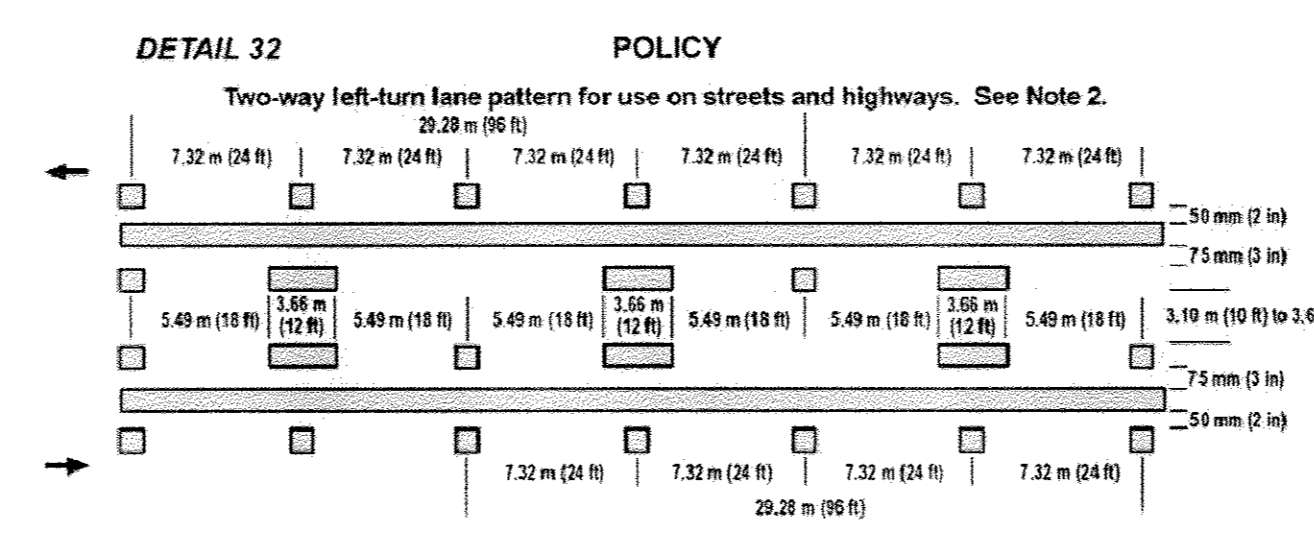
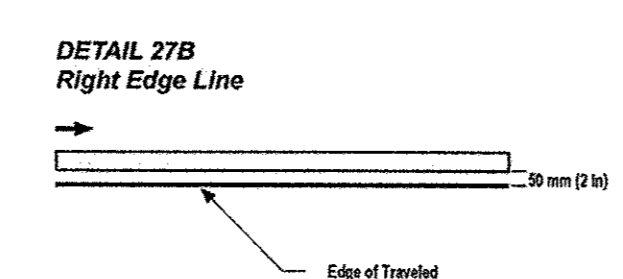
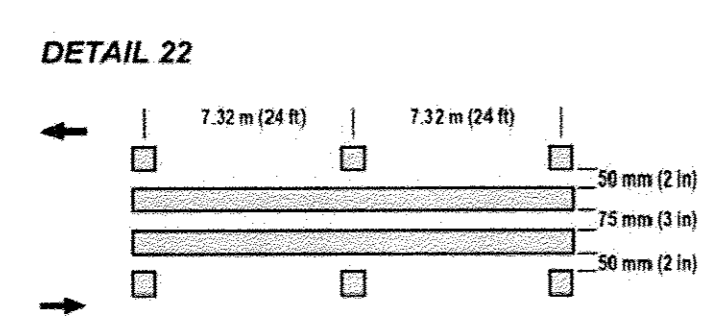
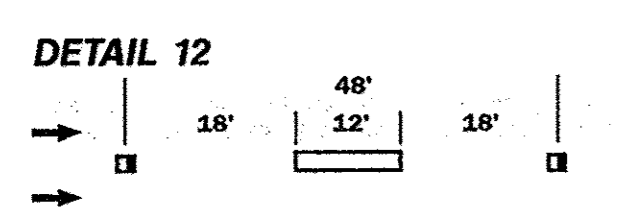


Approved: *Charles L. Covello*

Designed: JC  
 Drawn: JC  
 Checked: CC  
 Scale: 1"=40'  
 Date: 12/11/07  
 Job No.: 13841  
 File No.: 13841atr



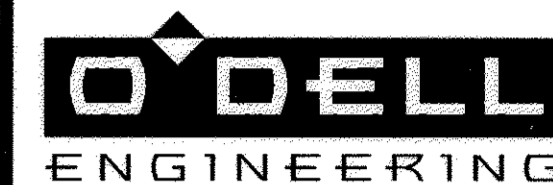
NOTE: ALL STRIPING AND PAVEMENT MARKINGS TO BE THERMOPLASTIC



NOTE: R2-1 SIGN TO BE 35 MPH

Plan Revisions:

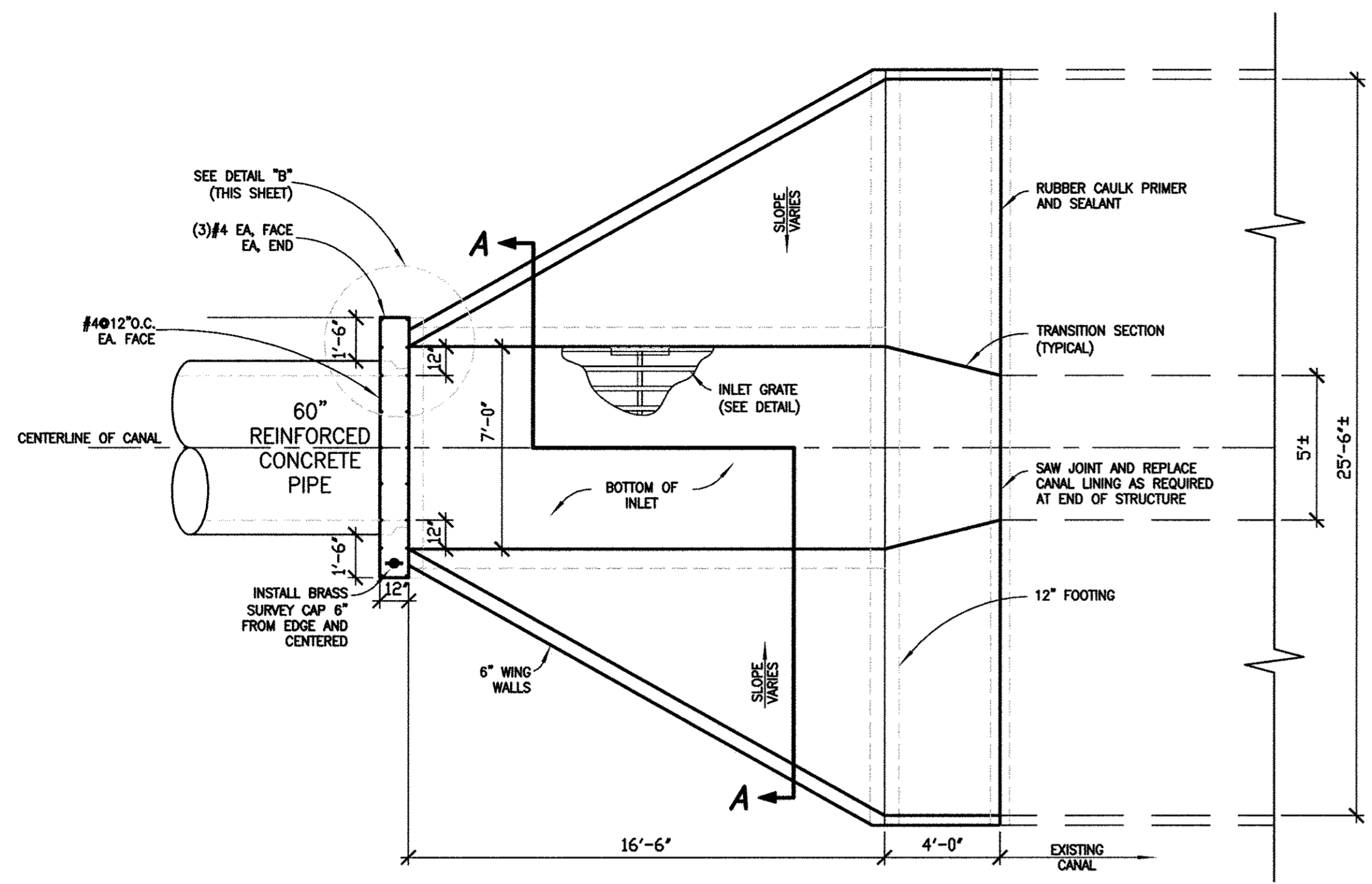
Rev.No.	Date	Applicable Sheets/Revisions



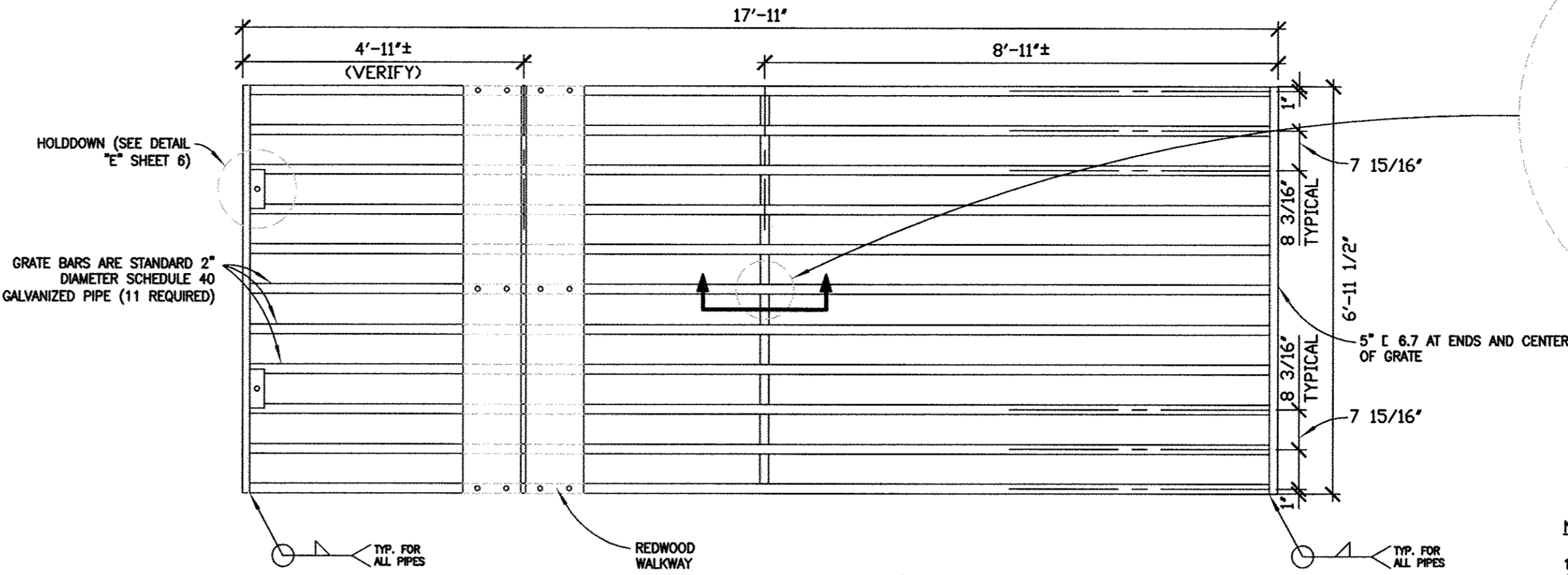
1165 Scenic Drive, Suite A  
Modesto, CA 95350

Ph 209.571.1765  
Fax 209.571.2466  
odellengineering.com

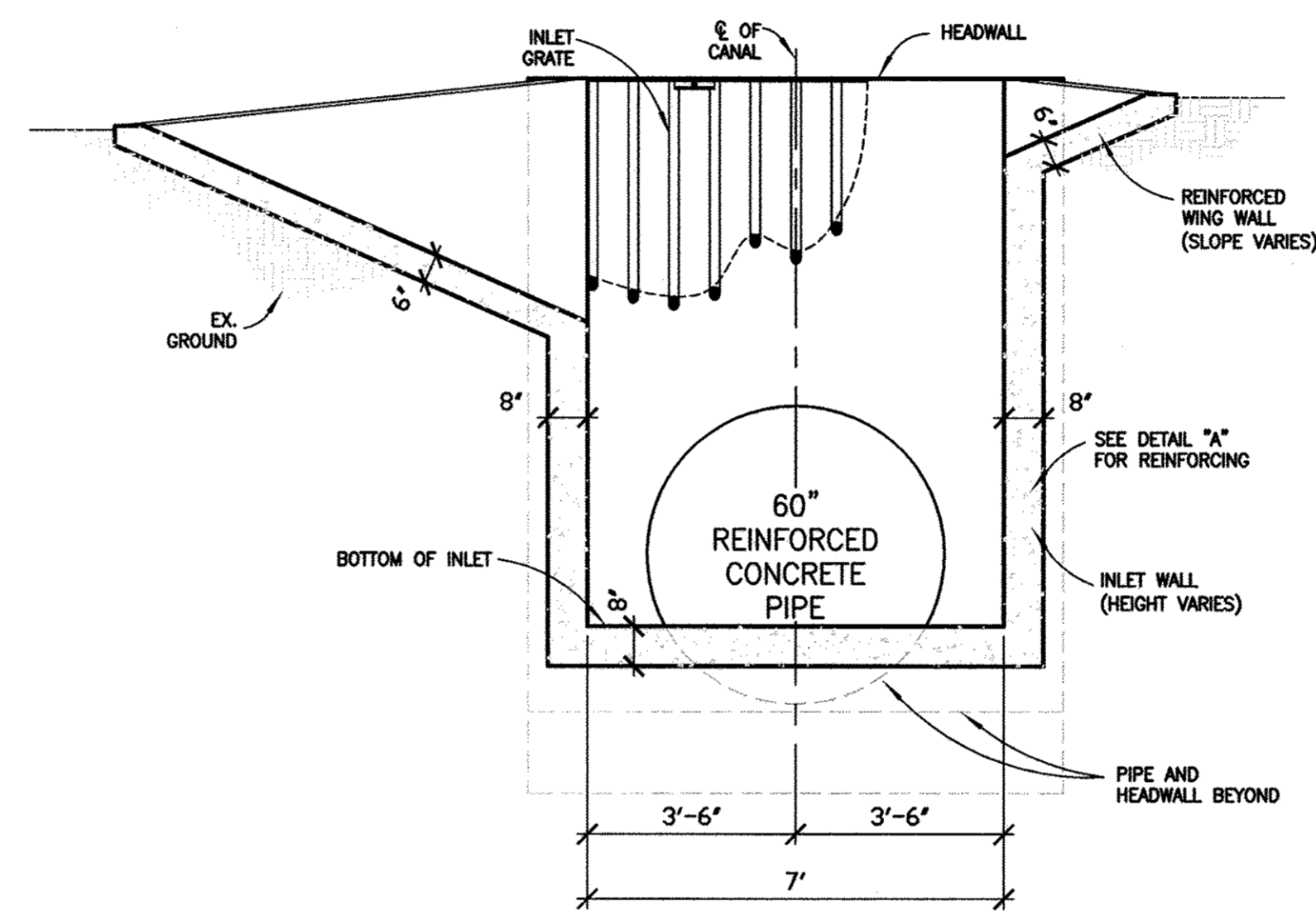
- NOTES:
1. ALL FILLET WELDS TO BE 3/16" UNLESS OTHERWISE SPECIFIED.
  2. GALVANIZE PAINT IS TO BE APPLIED ON ALL WELDS (TYPICAL FOR ALL CONSTRUCTION)



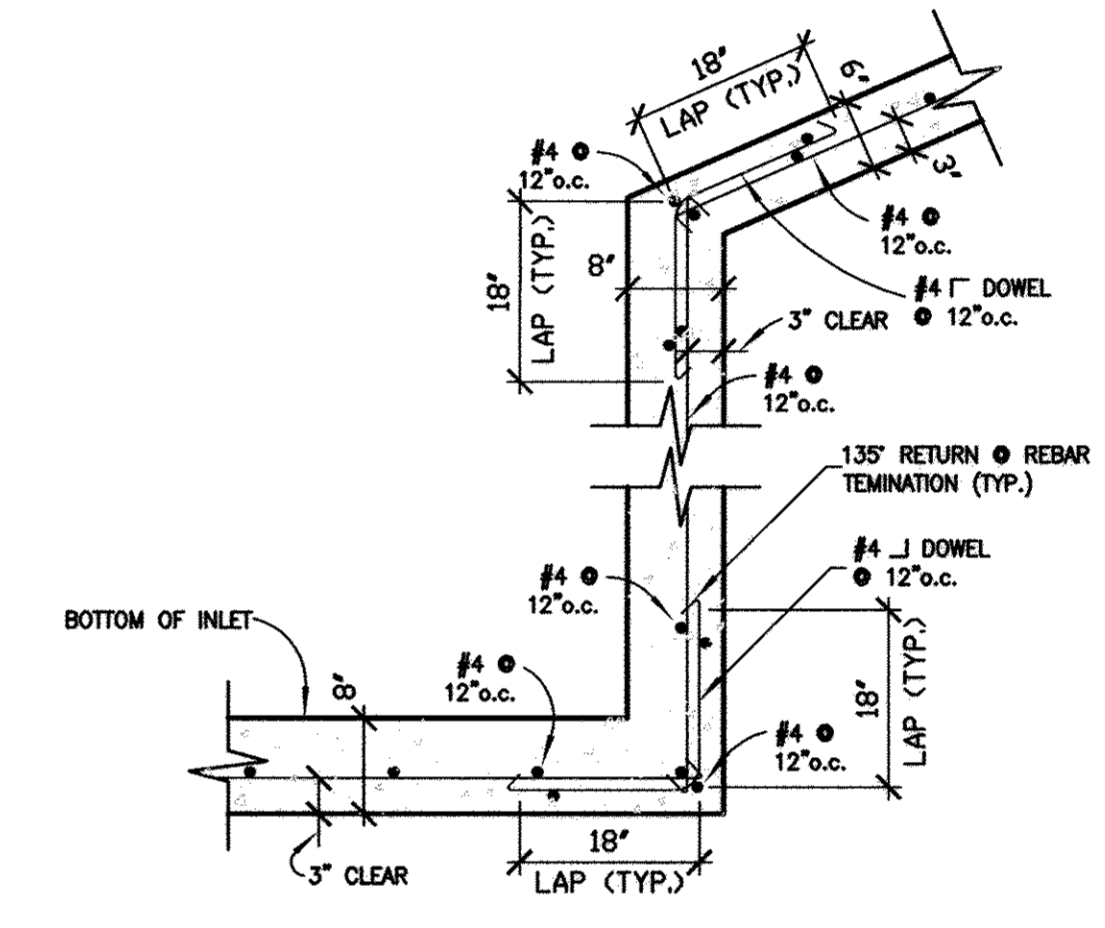
PLAN VIEW - INLET STRUCTURE  
Scale 1/4"=1'



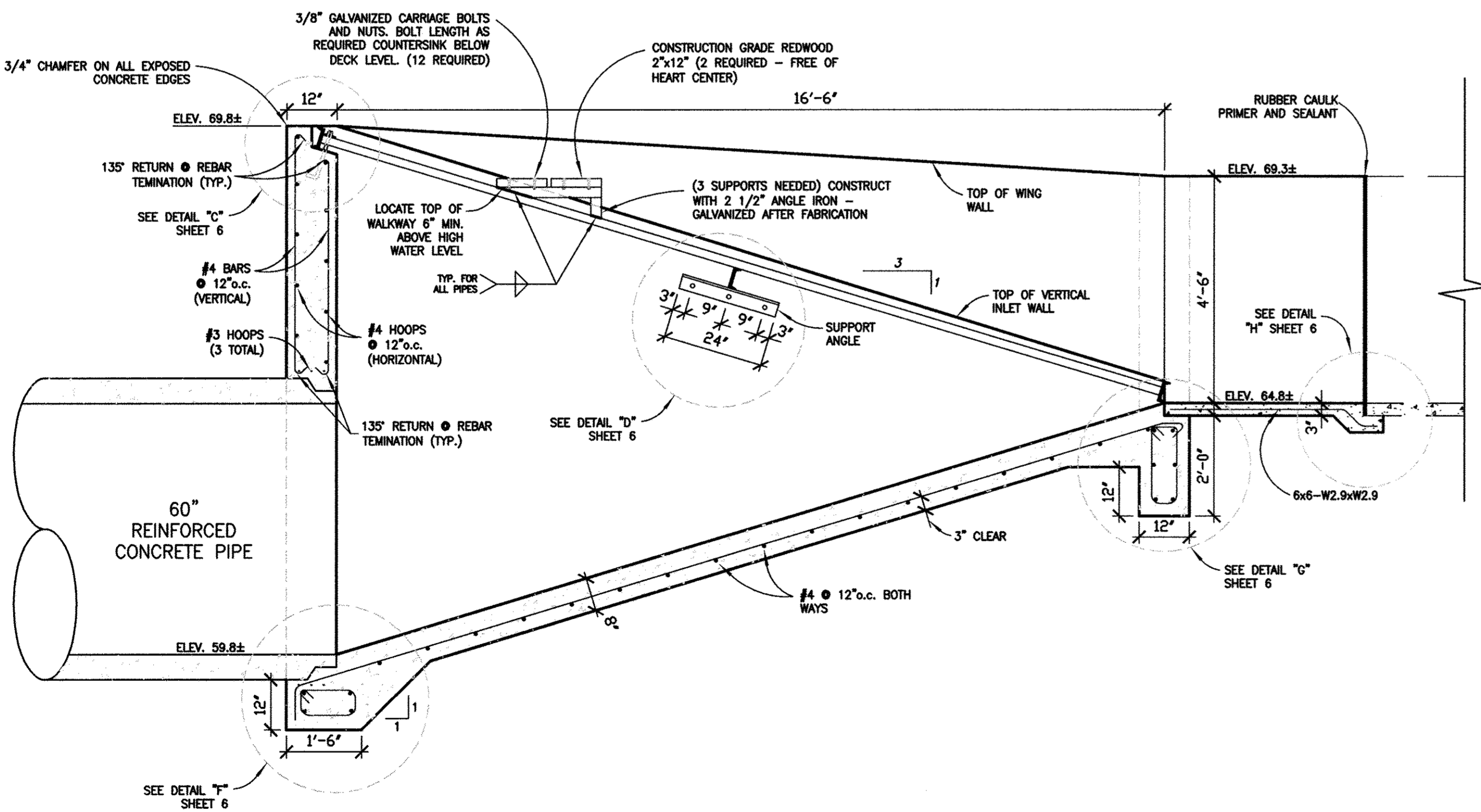
INLET GRATE  
Scale 1/2"=1'



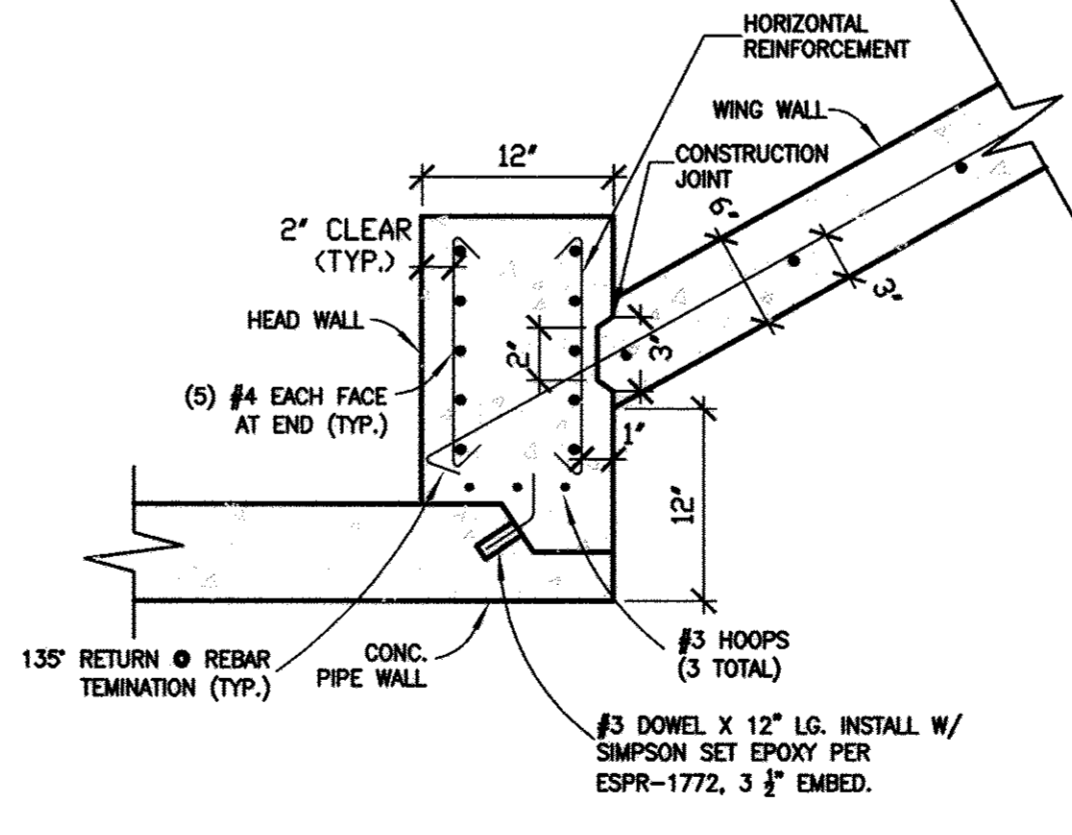
SECTION A-A  
Scale 3/8"=1'



DETAIL "A"  
Scale 3/4"=1'



LONGITUDINAL SECTION - INLET STRUCTURE  
Scale 1/2"=1'



DETAIL "B"  
(PLAN VIEW)  
Scale 1"=1'

IMPROVEMENT PLANS  
**PIRRONE ROAD  
CANAL CROSSING**  
STANISLAUS COUNTY, CALIFORNIA

DETAILS



Approved: *Charles L. Corduff*

Designed: WFS  
Drawn: JC, RD  
Checked: CC  
Scale: 1"=40'  
Date: 12/11/07  
Job No.: 13841  
File No.: 13841dt



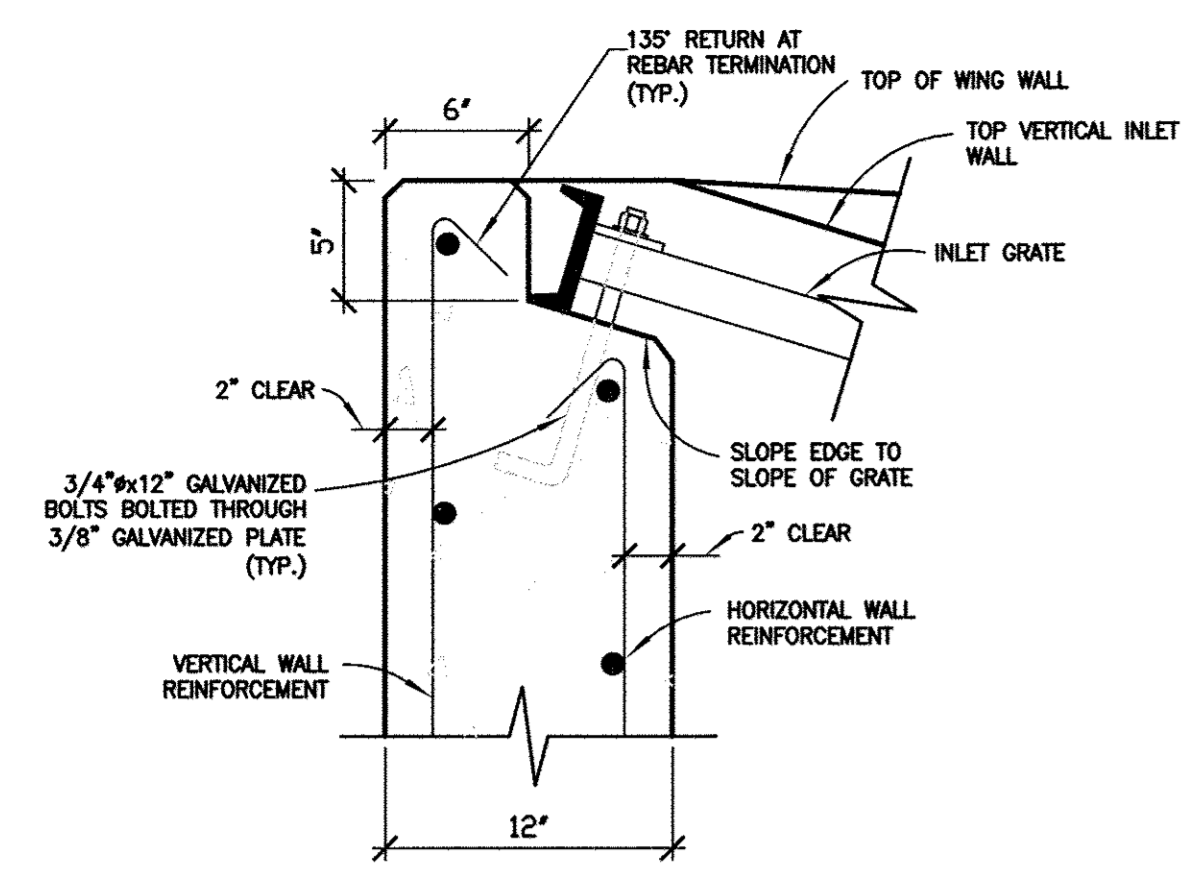
P:\cadd\13841 Pirrone Road\dwg\13841dt.dwg, 12/11/2007 04:35:25 PM



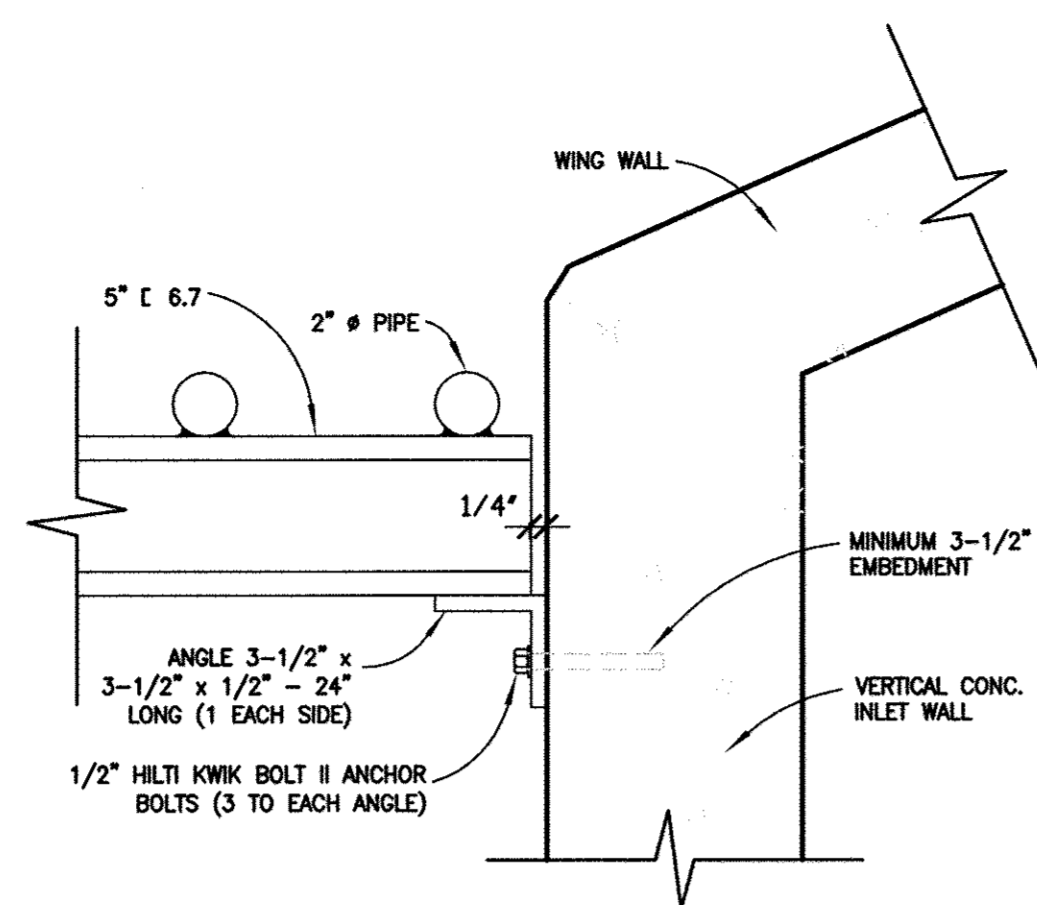


1165 Scenic Drive, Suite A  
 Modesto, CA 95350  
 Ph 209.571.1785  
 Fax 209.571.2466  
 odellengineering.com

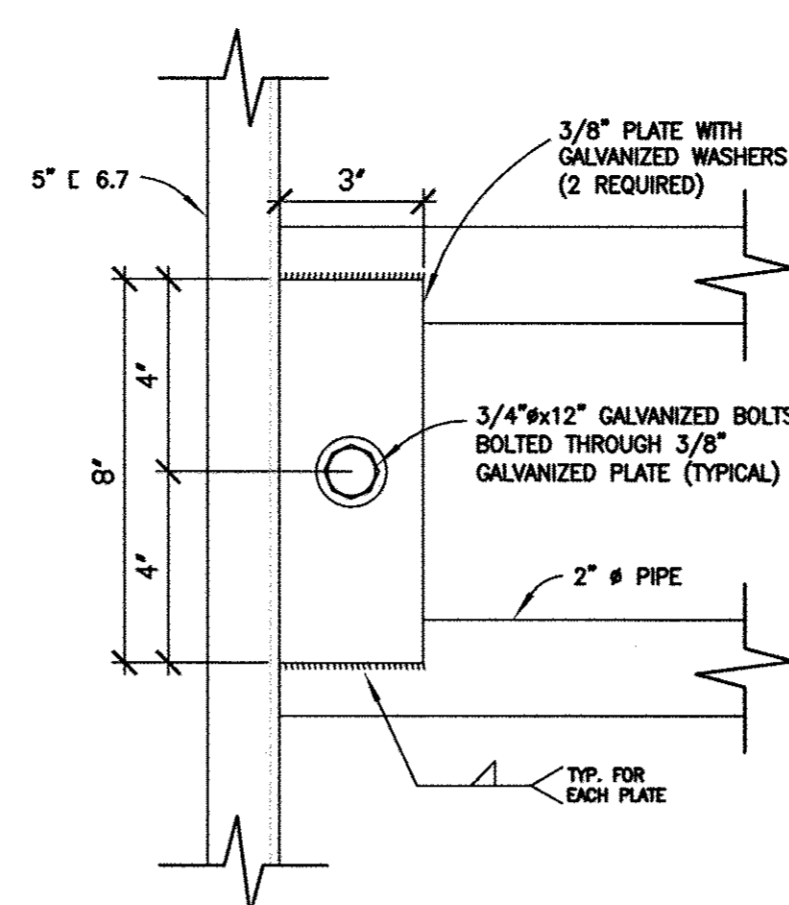
IMPROVEMENT PLANS  
**PIRRONE ROAD  
 CANAL CROSSING**  
 STANISLAUS COUNTY, CALIFORNIA



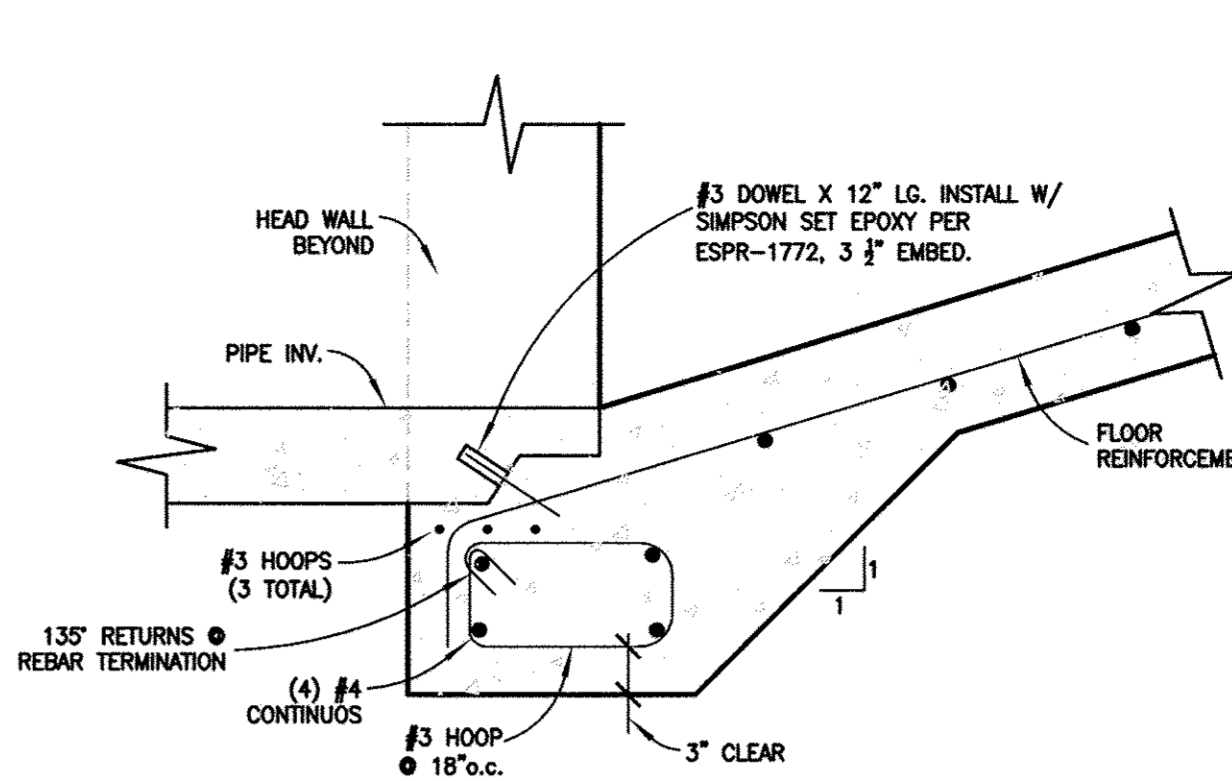
**DETAIL "C"**  
 Scale 1-1/2"=1"



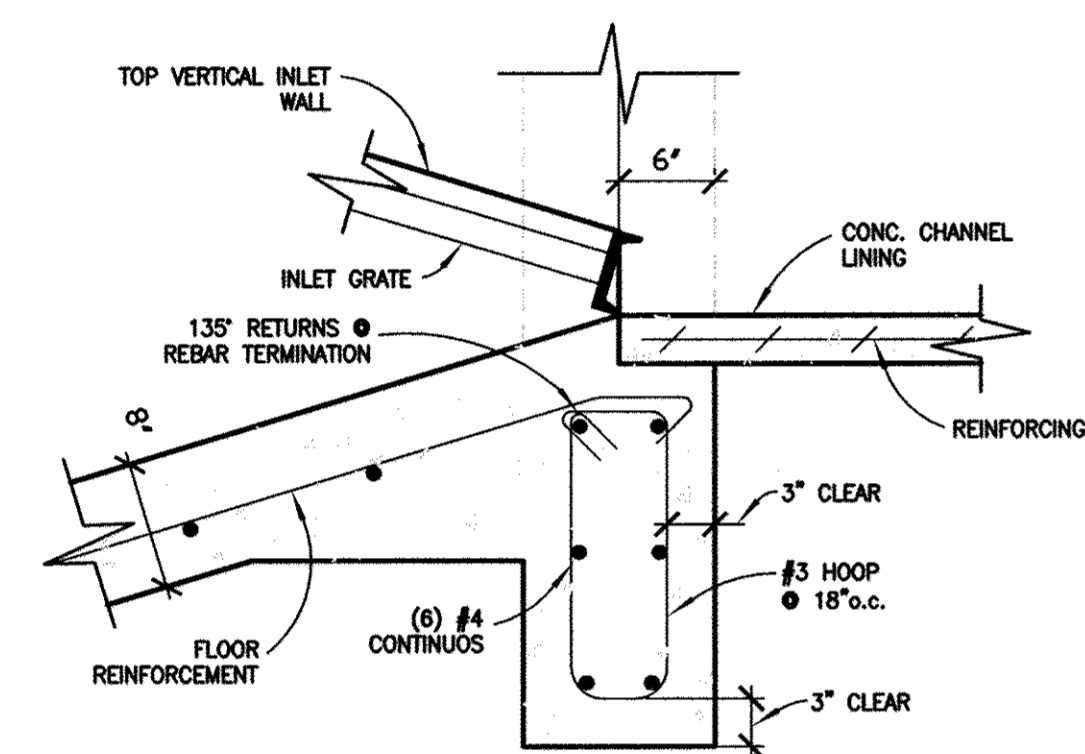
**DETAIL "D"**  
 Scale 2"=1"



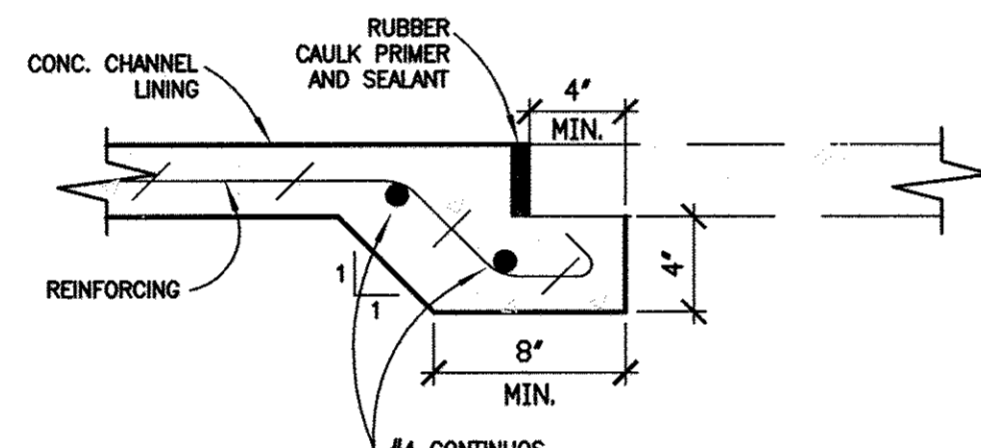
**DETAIL "E"**  
 Scale 3"=1"



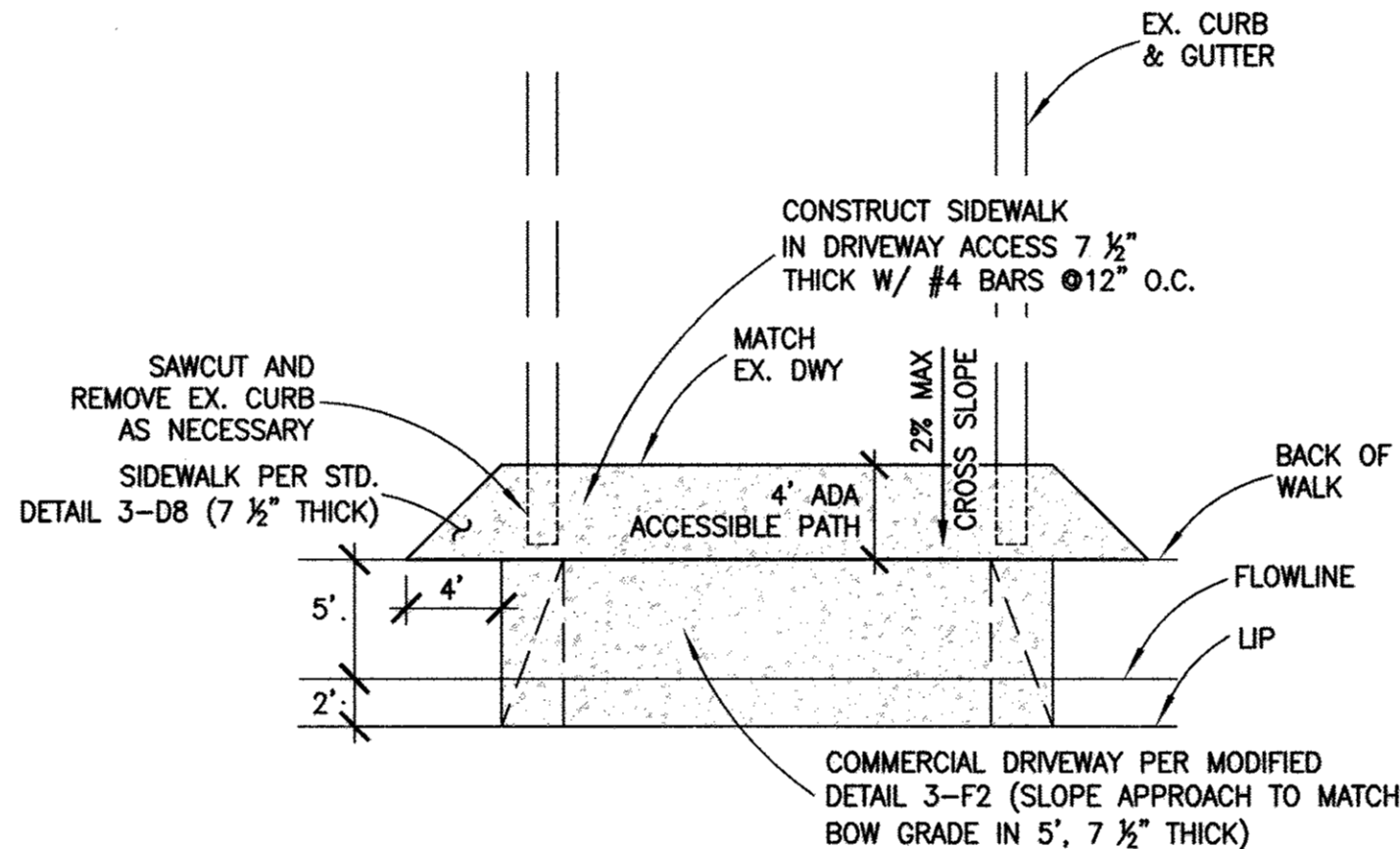
**DETAIL "F"**  
 Scale 1"=1"



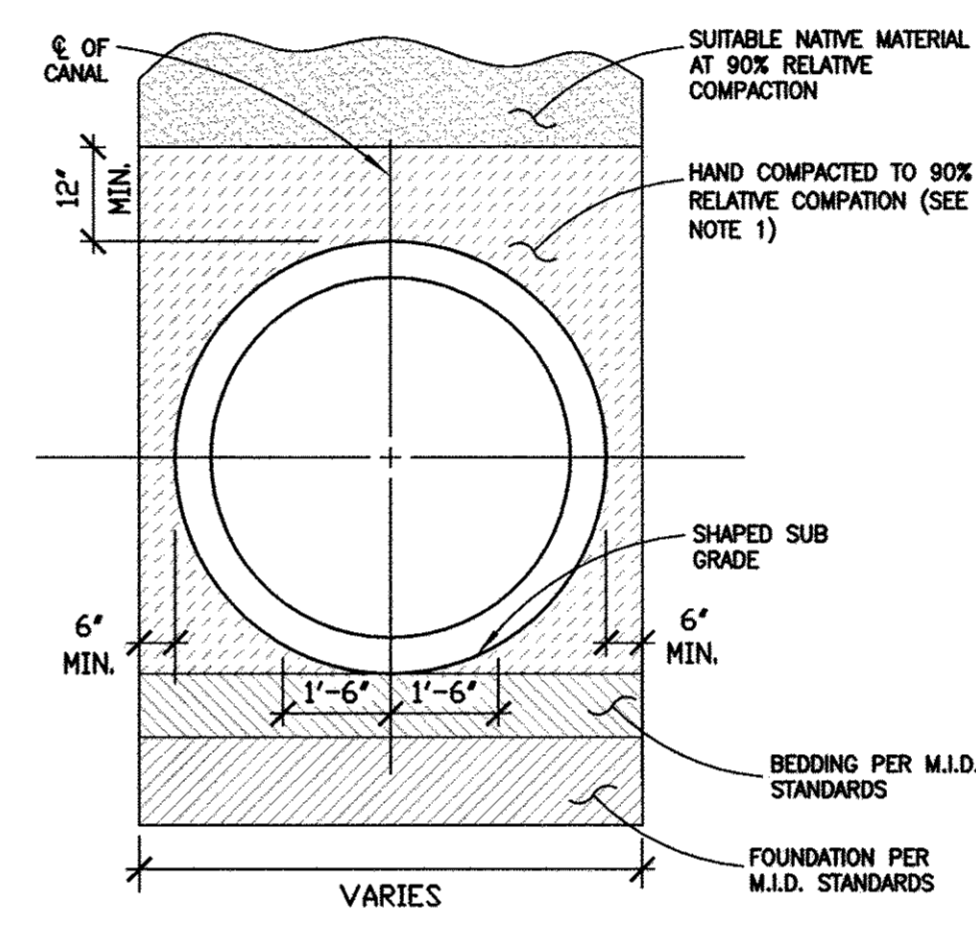
**DETAIL "G"**  
 Scale 1"=1"



**DETAIL "H"**  
 Scale 1-1/2"=1"

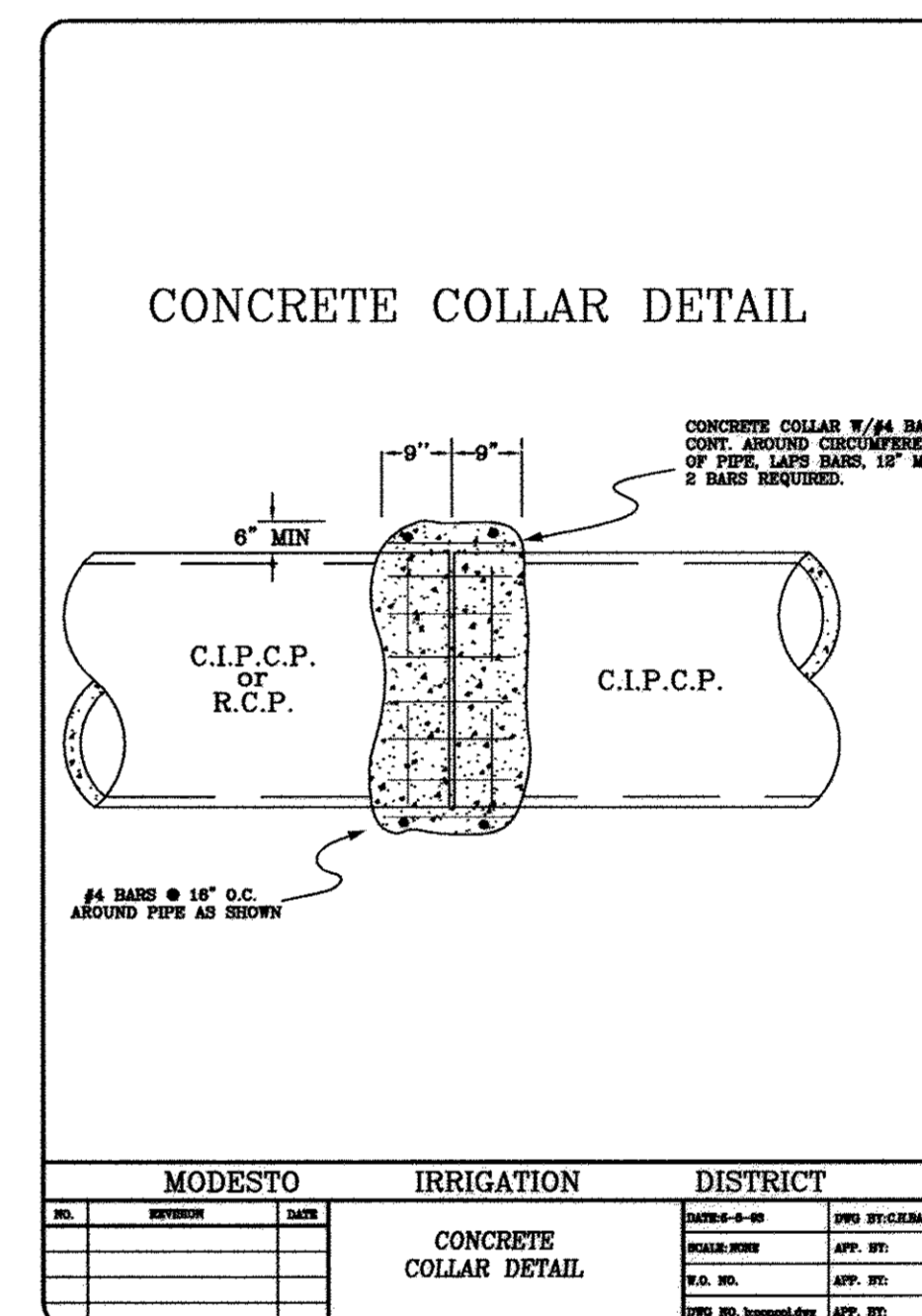


**MODIFIED COMMERCIAL DRIVEWAY APPROACH**  
 N.T.S.



NOTE:  
 1. COMPACTED EARTHFILL SHALL MEET 90% MAXIMUM DENSITY (ASTM D-1557) AND BE ACCOMPLISHED BY MANUALLY DIRECTED COMPACTORS TO A MINIMUM DEPTH OF 12 INCHES OVER TOP OF PIPE. THE MAXIMUM LAYER THICKNESS SHALL BE 8 INCHES BEFORE COMPACTATION.

**TRENCH BEDDING DETAIL**  
 N.T.S.



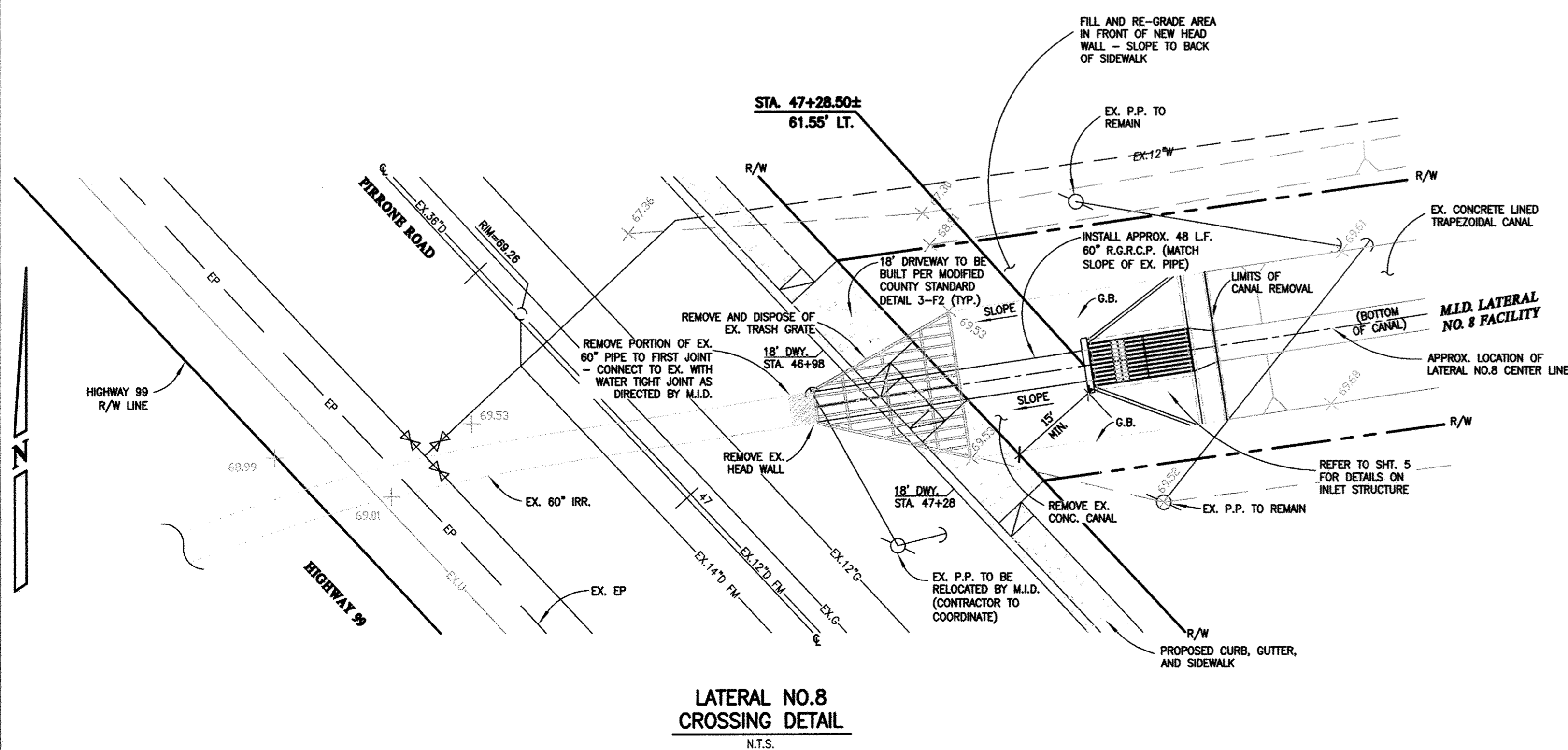
MODESTO		IRRIGATION		DISTRICT	
NO.	REVISION	NO.	DATE	NO.	DATE

DETAILS

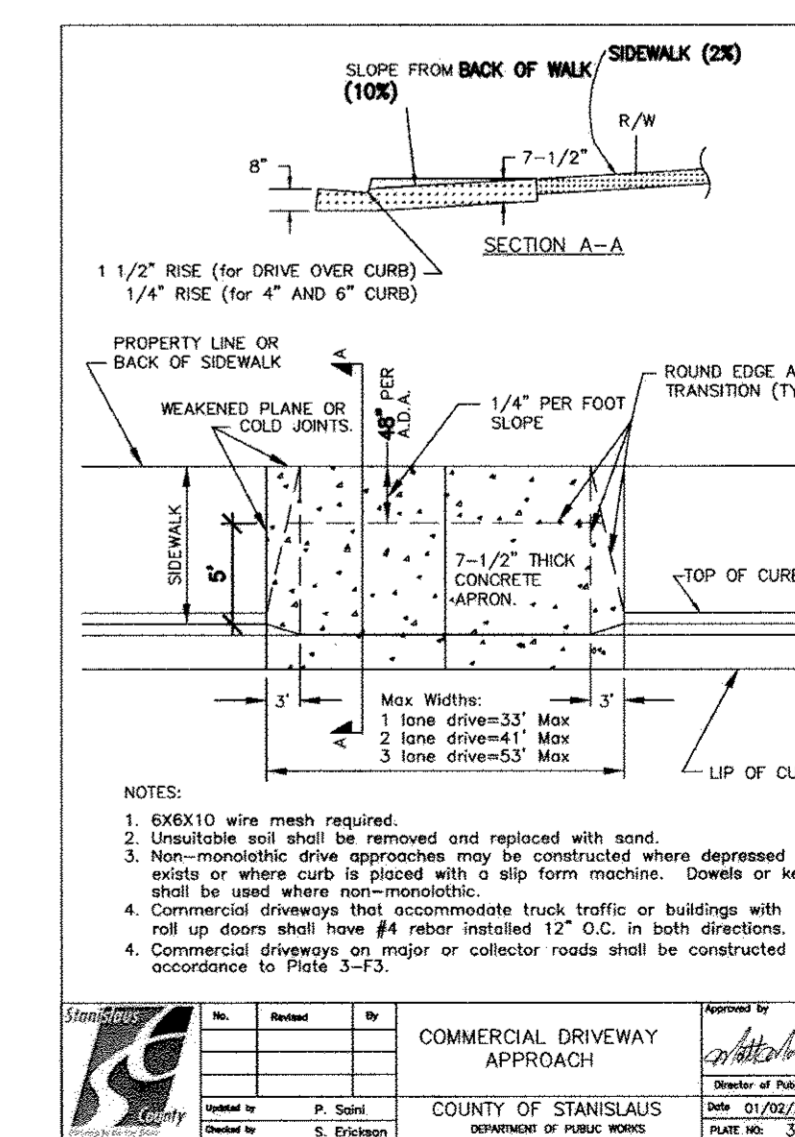
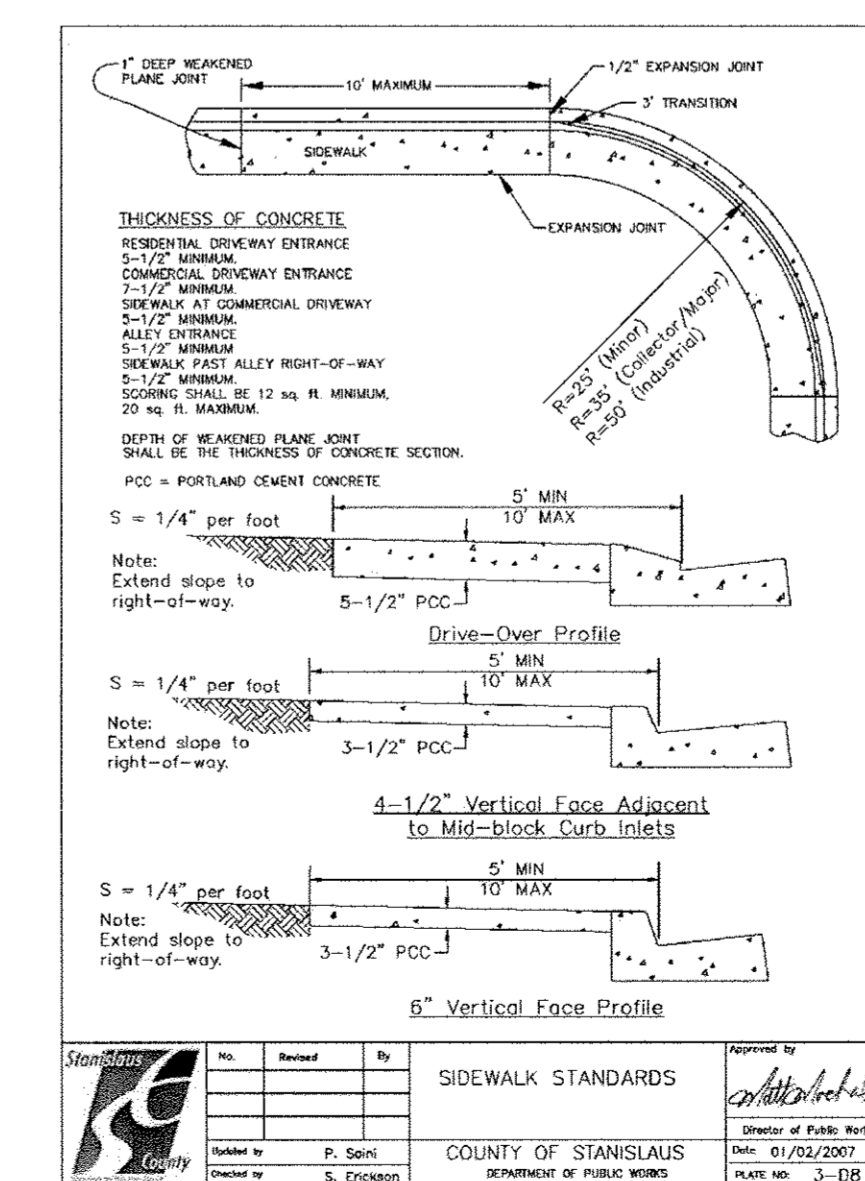
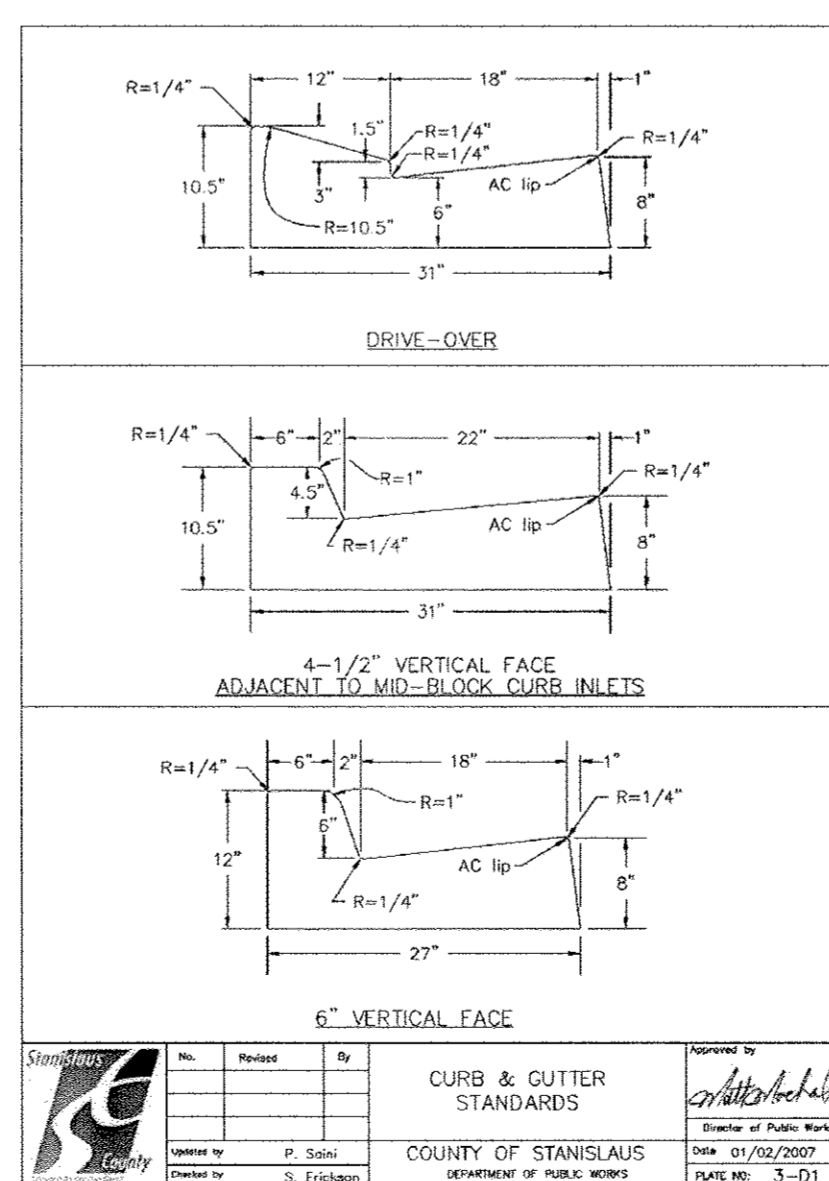


Approved: *Gregory L. Conroy*

Designed: WFS  
 Drawn: JC  
 Checked: CC  
 Scale: 1"=40'  
 Date: 12/11/07  
 Job No.: 13841  
 File No.: 13841d12



**LATERAL NO. 8  
 CROSSING DETAIL**  
 N.T.S.



\* DETAIL MODIFIED - SEE THIS SHEET

