COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-0900078**
Date Issued: 01/12/2009
Exp. Date: 02/01/2009
Project No: PWP110005
Quad: SE

ENCROACHMENT PERMIT

To: S.S.J.I.D.
1101 E. HWY 120
MANTECA, CA 95336

Encroachment Type:

Trench			

Location:
ACROSS JACK TONE RD. 4300' N/O HWY 120 & ACROSS MURPHY RD. 300' S/O HWY 120

In compliance with your request of **01/12/2009** , permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

The Department of Public Works, Field Inspection Section shall receive a notice at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion provided by Grantor.

Special Comments:
Traffic Control per MUTCD - Class II AB shall be placed after paving as shoulder backing - Contractor shall be required to use a Pilot Car if S.J. County Field Inspector deems it necessary - Contractor shall add flashers to the Advanced Warning Signs if weather becomes foggy/rainy.

FORMS:

SS/WW, R-29		

Est. Permit Fee: $340.41

THOMAS R. FLINN, Director
Department of Public Works

By: _____
Permit Section

WHITE	-Permitee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

ENCROACHMENT PERMIT

GENERAL PROVISIONS

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
   STREETS AND HIGHWAYS CODE
   1. Division 1, Chapter 3
   2. Division 2, Chapter 2, Section 942
   3. Division 2, Chapter 4, Section 1126
   4. Division 2, Chapter 6

   SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, and 892.

2. It is understood and agreed by the Permittee that the doing of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.

3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean a condition as is possible and upon completion of the work granted herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.

4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any injury to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility of such maintenance of the encroachment structure by the County of San Joaquin.

5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Director of Public Works or his representative.

6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway may. require, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved by and at the sole expense of the Permittee.

7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.

8. All work shall be planned and carried out so that there will be as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Barricades shall be placed, With approved Signs and lights at light, and flagmen shall be employed, all as may be required by the particular work in progress.

9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to do the work provided for under this permit. In the event any .claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold them and each of them harmless for such claim.

10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely Stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surfacing is cut or damaged in the work of placing an encroachment structure, such material shall either be separately stored and replaced in the roadway as nearly as possible.in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as It was before the commencement of operations of placing the encroachment structure.

11. Whenever necessary to, secure permission from abutting property owners, such authority must be secured by the Permittee prior to starting work..

12. The future safety and convenience of the traveling public shall be given every consideration in the location and type of construction.

PS-0900078

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 01/06/09

To: San Joaquin County
Department of Public Works

S.S.J.I.D.
(Applicant Name)

1101 E. HIGHWAY 120
(Mailing Address)

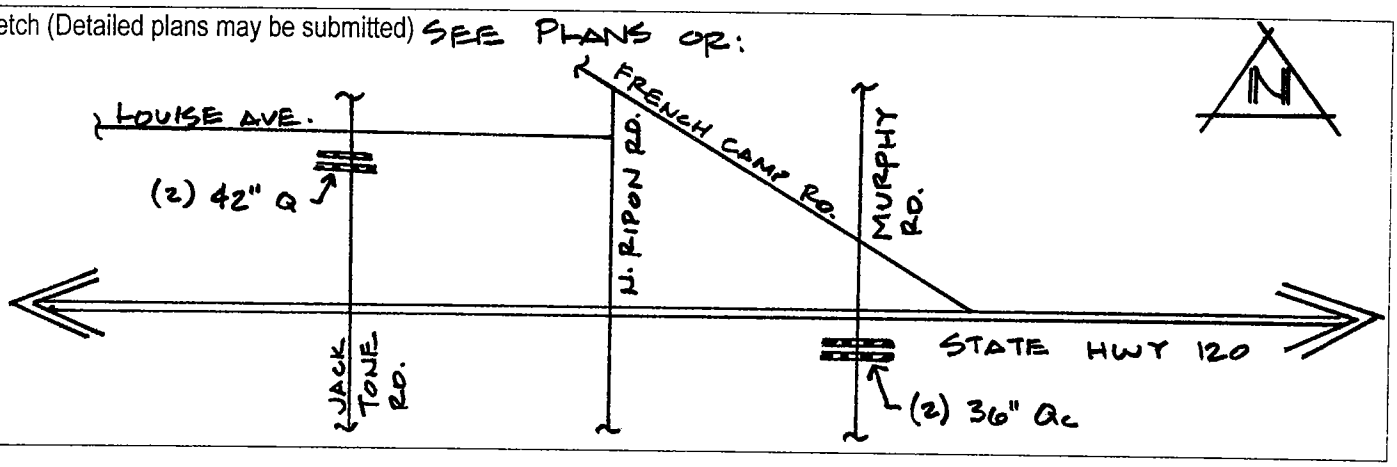
MANTECA CA 95336
(City, State, Zip Code)

209-249-4640
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	110005	REF #	
APN		CR #	
EXP. DATE			
VALID	TO		DRIVEWAYS:
STREET	Jack Tone Rd. & Murphy Rd.		*
AREA	Manteca QUAD SE		*
TYPE	TRENCHING		*
FORMS	SS/WW, R-29		
NOTES			

Sketch (Detailed plans may be submitted) SEE PLANS OR:



The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the NORTH ~~SOUTH~~ side of STATE HWY 120 approximately 4300' N & 300' S (feet/mile) of STATE HIGHWAY 120, _____, by performing the following work (description of work):
(2) 77 L.F. OF 36" R.G.R.C.P. CL IV IRRIGATION CROSSING AT MURPHY RD.

(2) 110 L.F. OF 42" R.G.R.C.P. CL IV IRRIGATION CROSSING AT JACK TONE RD.

Work will commence on or about _____ for approximately _____ days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Dan Eaverson Project Manager — January 6, 2009

Signature of Applicant - Title — **Date**

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

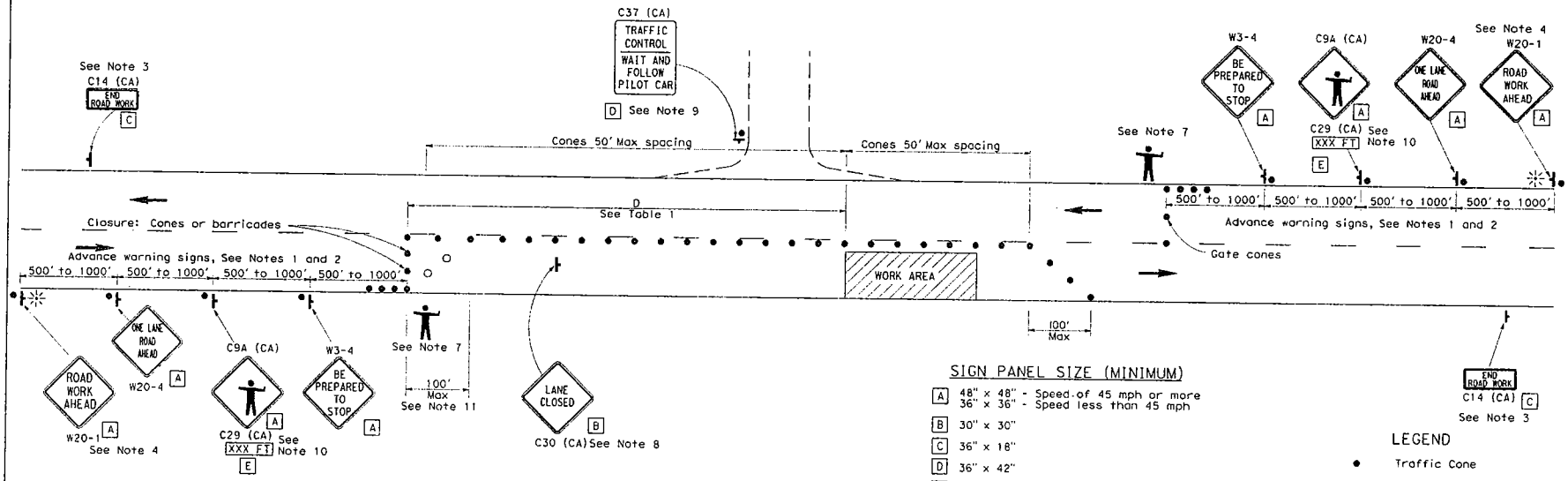
May 1, 2006
PLANS APPROVAL DATE

Greg W. Edwards
No. C36386
Exp. 6-30-06
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site, go to: http://www.dot.ca.gov

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (MINIMUM)

- A 48" x 48" - Speed of 45 mph or more
  36" x 36" - Speed less than 45 mph
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 36" x 9"

LEGEND

- Traffic Cone
- Traffic Cone (optional taper)
- Temporary Sign
- Direction of Travel
- Portable Flashing Beacon
- Flagger

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
8. Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
10. An optional C29 (CA) sign may be placed below the C9A (CA) sign.
11. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

TABLE 1

Approach Speed	Minimum D	Downgrade Minimum D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 and below	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

* Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

T13

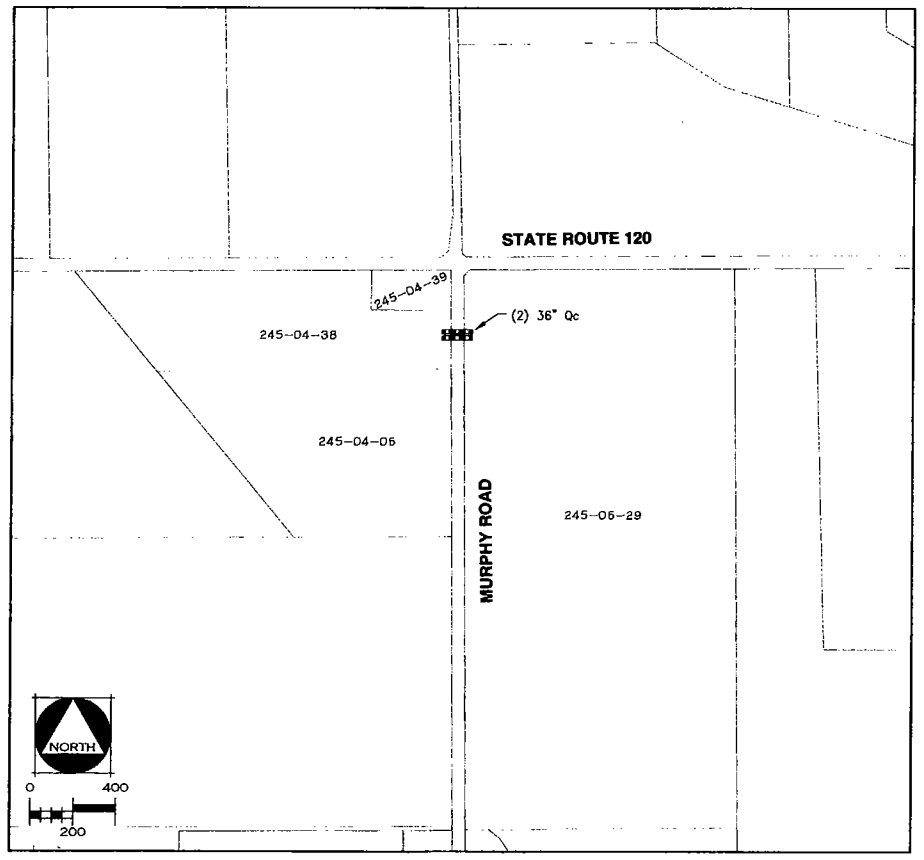
9-28-05

IMPROVEMENT PLANS FOR:

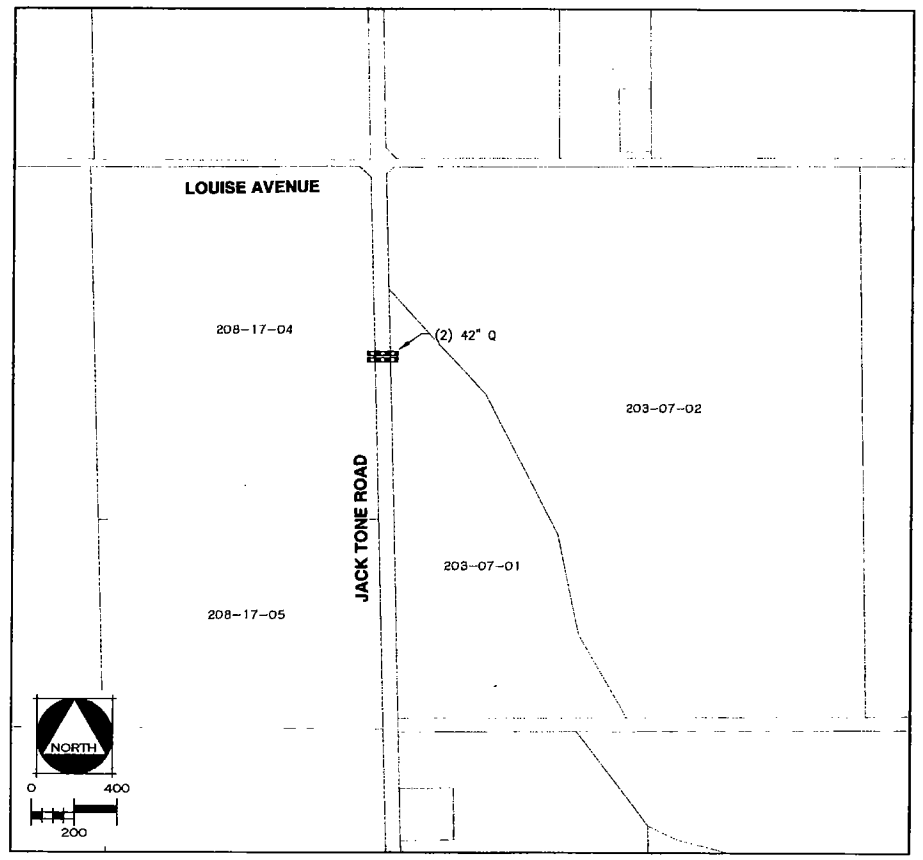
SOUTH SAN JOAQUIN IRRIGATION DISTRICT JACK TONE AND MURPHY ROAD CROSSINGS PROJECT

SAN JOAQUIN COUNTY, CALIFORNIA

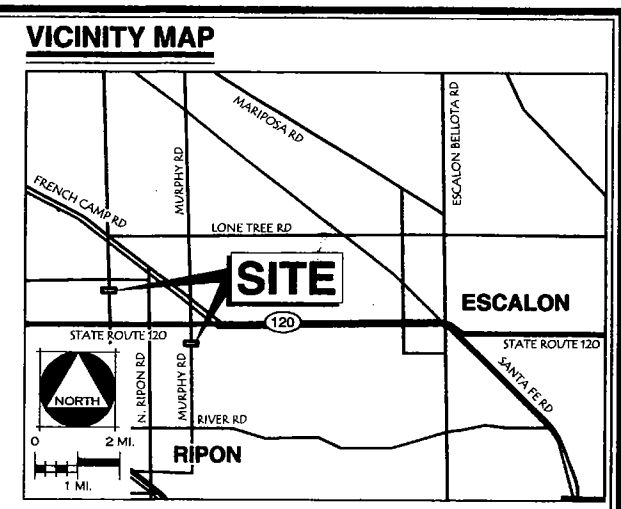
SITE PLAN



SITE PLAN



VICINITY MAP



INDEX

#	SHEET TITLE
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2	STANDARD DETAILS AND SPECIFICATIONS
3	CONSTRUCTION DETAILS
4	TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
5	PLAN & PROFILE

LEGEND

ITEM	EXISTING	PROPOSED
IRRIGATION		
IRRIGATION DIRECTION & SIZE	42"IRR	42"IRR
IRRIGATION CONTROL BOX	⊠	⊠
IRRIGATION 'C' STRUCTURE	◪	◪
IRRIGATION 'U' STRUCTURE	⊏	⊏
IRRIGATION 'THRU' STRUCTURE	⊐	⊐
IRRIGATION STANDPIPE	o	o
ELEVATION	43.50FG / 43.00EG	43.50FG / 43.00EG
ORIGINAL GROUND	+40.00	N/A
CONTOUR (0.5' INTERVAL)		N/A

ITEM	EXISTING	PROPOSED
WIRE FENCE		
WOOD FENCE		
IRRIGATION STRUCTURE CALLOUT	24"ø STANDPIPE PT#: 1118 TOP ELEV: 137.18 INV ELEV: 125.26 G ELEV: 130.81	N/A
TREE		N/A
PAVEMENT		
SSJID EASEMENT	(E) SSJID 20' EASEMENT	(P) SSJID 20' EASEMENT

ABBREVIATION LIST

@	AT	E, EX, OR EXIST	EXISTING	RCP	REINFORCED CONCRETE PIPE
AB	AGGREGATE BASE	FH	FIRE HYDRANT	RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
AC	ASPHALT CONCRETE	FL	FLOW LINE	RET	RETURN
ADA	AMERICAN DISABILITIES ACT	G	GROUND	R	RADIUS
BC	BEGINNING OF CURVE	GB	GRADE BREAK	SD	STORM DRAIN
BDRY	BOUNDARY	HGL	HYDRAULIC GRADE LINE	SHT	SHEET
BSL	BUILDING SET BACKLINE	HP	HIGH POINT	SNS	STREET NAME SIGN
BVC	BEGIN VERTICAL CURVE	HPS	HIGH PRESSURE SODIUM	STA	STATION
C & G	CURB AND GUTTER	INV	INVERT	STD	STANDARD
CIPP	CAST IN PLACE PIPE	IRR	IRRIGATION	S/W	SIDEWALK
CI	CURB INLET	LF	LINEAL FEET OR LINEAR FEET	SS	SANITARY SEWER
℄	CENTER LINE	LP	LOW POINT	S	SLOPE
CO	CLEAN OUT	MAX	MAXIMUM	SSJID	SOUTH SAN JOAQUIN IRRIGATION DISTRICT
CONC	CONCRETE	MH	MAINTENANCE HOLE	TC	TOP OF CURB
CR	CURB RETURN	MIN	MINIMUM	TEMP	TEMPORARY
DIA	DIAMETER	NTS	NOT TO SCALE	THRU	THROUGH
DIP	DUCTILE IRON PIPE	OG	ORIGINAL GROUND / GRADE	TI	TRAFFIC INDEX
DW	DRIVEWAY	P	PROPOSED	TPE	TREE PLANTING EASEMENT
D OR SD	DRAIN OR STORM DRAIN	PP	POWER POLE	TYP.	TYPICAL
EC	END OF CURVE	PL	PROPERTY LINE	WS	WATER SERVICE
ELEV	ELEVATION	PRC	POINT OF REVERSE CURVATURE	W	WATER
EP	EDGE OF PAVEMENT	PT	POINT	±	PLUS OR MINUS (NOT EXACT)
ESMT	EASEMENT	PUE	PUBLIC UTILITY EASEMENT	U.N.O.	UNLESS NOTED OTHERWISE
EVC	END OF VERTICAL CURVE	PVC	POLYVINYL CHLORIDE PIPE		

S.S.J.I.D., its employees and agents are not responsible for verification of the elevations and dimensions indicated on plans nor any errors or omissions that may be present. Approval is subject to the data shown which appears to be in conformity with S.S.J.I.D. requirements for protection of District Facilities.
So Conditionally Approved

Sam Barbagallo DATE 11/7/08

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MCR ENGINEERING, INC.
PLANNING • ENGINEERING • SURVEYING
1242 DUPONT COURT, MANTECA, CALIFORNIA 95336
PHONE 209.239.0229 FAX 209.239.8235

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

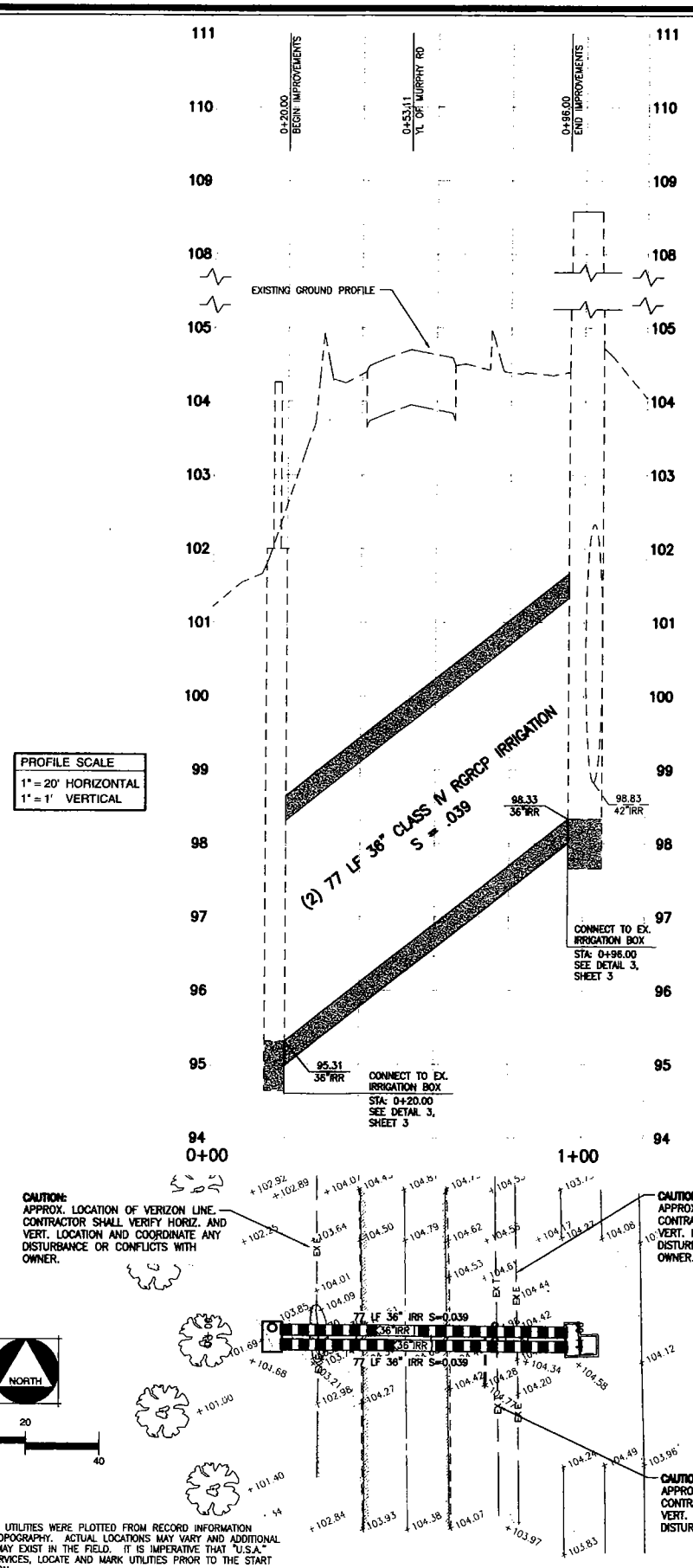
NO.	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

JOB NO. 08-079
DATE 10-29-2008
SCALE (AS SHOWN)
DR. BY RM
CK. BY DE
FILE: J:\2008\08-079\MP

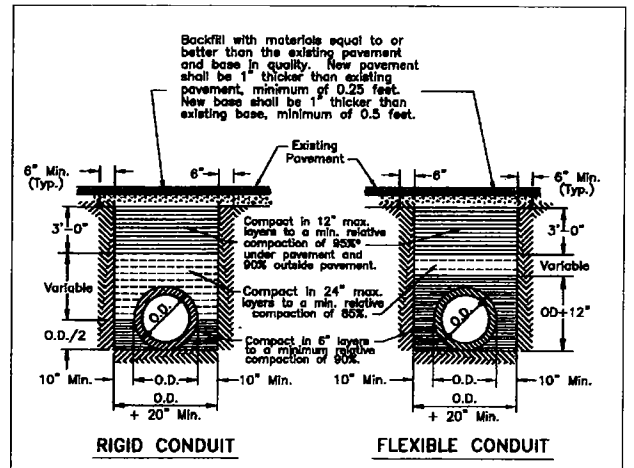
INDEX, ABBREVIATIONS, AND LEGEND

SOUTH SAN JOAQUIN IRRIGATION DISTRICT JACK TONE AND MURPHY ROAD CROSSINGS PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SHEET 1 OF 5 SHEETS



PROFILE SCALE
1" = 20' HORIZONTAL
1" = 1' VERTICAL



NOTES:

1. Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
2. All existing pavement shall be neatly cut to line prior to trench excavation.
3. Jetting or ponding will be permitted within the street Right of Way with a 3 year bond.
4. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
5. Special bedding requirements may be shown on the plans or specified in special provisions.
6. Shoulders shall be as shown on the plans or specified in the special provisions but in no case shall the shoulder be less than three feet wide as measured from the edge of pavement.

No.	Revised	By
1	Feb. 1998	PD

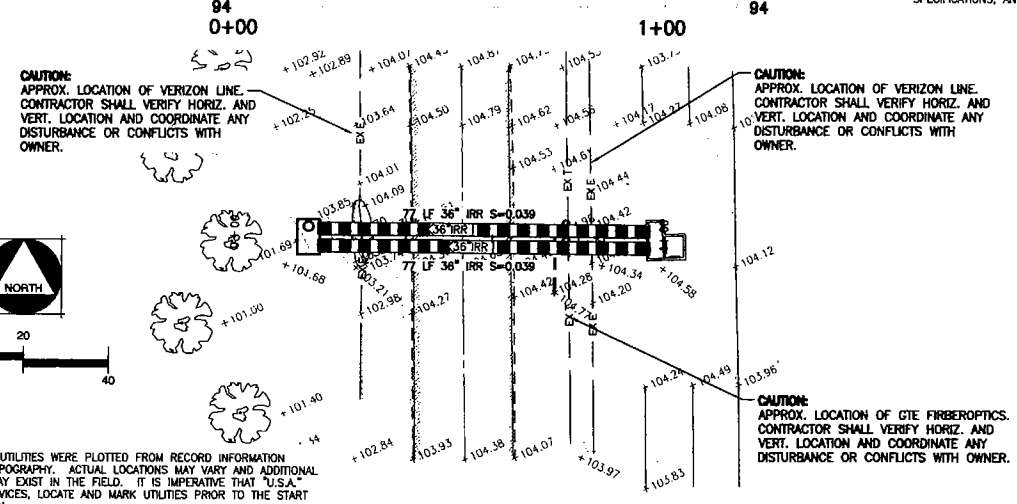
Drawn by	JLD
Checked by	
Date	NONE

TYPICAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Approved by
Director of Public Works
Date JUNE 1997
Drawing No. R-20

NOTE:
CONTRACTOR SHALL CONSTRUCT PIPELINE CROSSING BY UTILIZING A SINGLE LANE CLOSURE PER CALTRANS STANDARD T13. CONTRACTOR SHALL MAINTAIN A MINIMUM LANE WIDTH OF 11 FEET DURING CONSTRUCTION OF PIPELINE CROSSING. IN ORDER TO MAINTAIN 11 FOOT MINIMUM LANE WIDTH FOR SINGLE LANE CLOSURE, CONTRACTOR MAY HAVE TO INSTALL TEMPORARY PAVING AT THE SHOULDER. ALL PAVING IN COUNTY RIGHT OF WAY SHALL BE 3" AC OVER 6" AB PER THE TRENCH DETAIL SHOWN ON SHEET 2. ALL WORK IN THE COUNTY RIGHT OF WAY SHALL BE PER SAN JOAQUIN COUNT STANDARD PLANS AND SPECIFICATIONS, CALTRANS STANDARD PLANS AND SPECIFICATIONS, AND THE CALTRANS M.U.T.C.D.

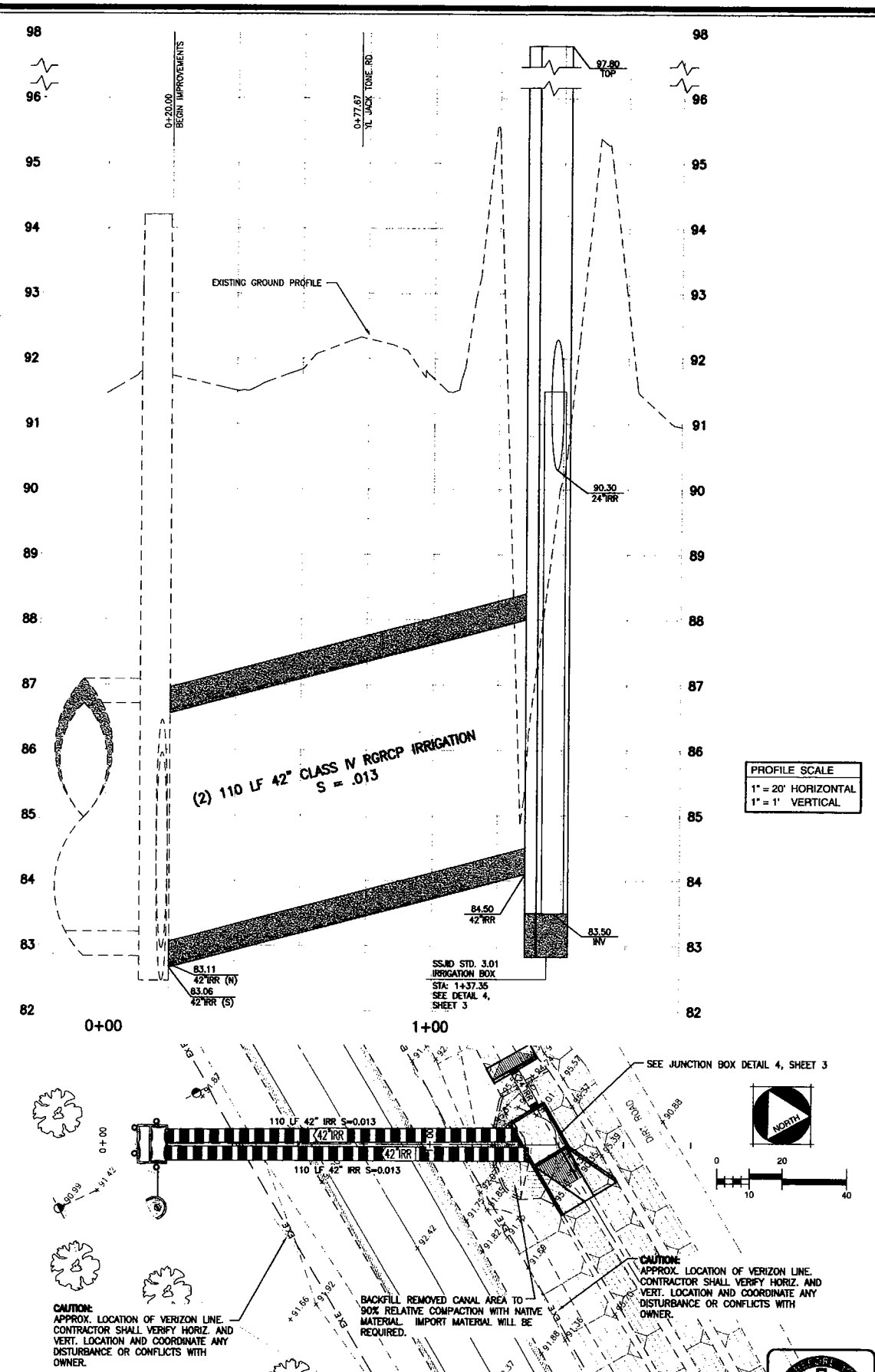


NOTES:

1. 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 UTILITIES PRIOR TO THE START OF EXCAVATION.
2. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
3. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MURPHY ROAD CROSSING

IRRIGATION LATERAL "Qc"



PROFILE SCALE
1" = 20' HORIZONTAL
1" = 1' VERTICAL

JACK TONE ROAD CROSSING

IRRIGATION LATERAL "Q"

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1243 DUPONT COURT MANTECA, CALIFORNIA 95336
PHONE: 209.239.8229 FAX: 209.239.8839

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

REVISIONS			
NO.	DESCRIPTIONS	DATE	APPROVED

JOB NO.	08-079
DATE	10-29-2008
SCALE	(AS SHOWN)
DR BY	RM
CK. BY	DE
FILE	J:\2008\08-079\MP

PLAN & PROFILE

SOUTH SAN JOAQUIN IRRIGATION DISTRICT JACK TONE AND MURPHY ROAD CROSSINGS PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SHEET 5 OF 5 SHEETS

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