



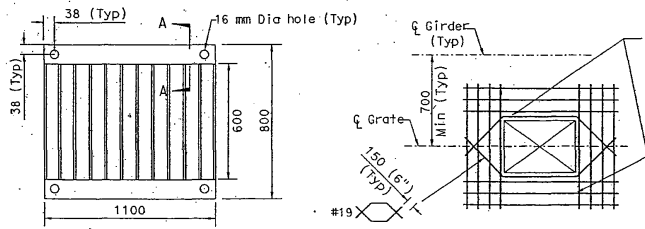
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
12	Orca, LA	5	68+4711.4 0.0/0.5	1320	1478
REGISTERED CIVIL ENGINEER			6-3-05		
9-29-05			PLANS APPROVAL DATE		
E. L. RENDE			REGISTERED PROFESSIONAL ENGINEER		
No. 54529			Exp. 12-31-05		
CIVIL			STATE OF CALIFORNIA		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
RBF Consulting 14725 Alton Pkwy. Irvine, CA 92618-2027					
ORANGE COUNTY TRANSPORTATION AUTHORITY 505 S. Main St. Orange, CA. 92613					
To get to the web site, go to: http://www.dot.ca.gov					

NOTES:

- Pipe shall be tightly clamped at the two pipe supports on either side of Bent Cap. All other clamped pipe supports shall be shimmed with steel washer plate to provide 6mm clearance between pipe and clamp.
- Supports shall be located a minimum of 900 mm away from face of Bent Cap.
- Epoxly bond entire surface of support to bridge soffit.
- Vertical dimensions of concrete pipe supports vary with the thickness of the bottom slab of the concrete box girder. See "TYPICAL SECTION STAGE 1" and "GIRDER LAYOUT STAGE 1" sheets for box girder dimensions.

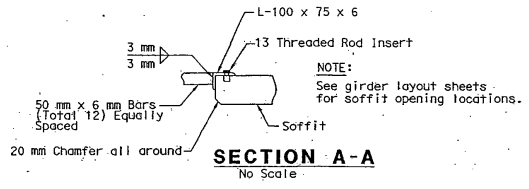
ABBREVIATIONS:

CML & C = Cement Mortar Lined and Coated
CML = Cement Mortar Lined



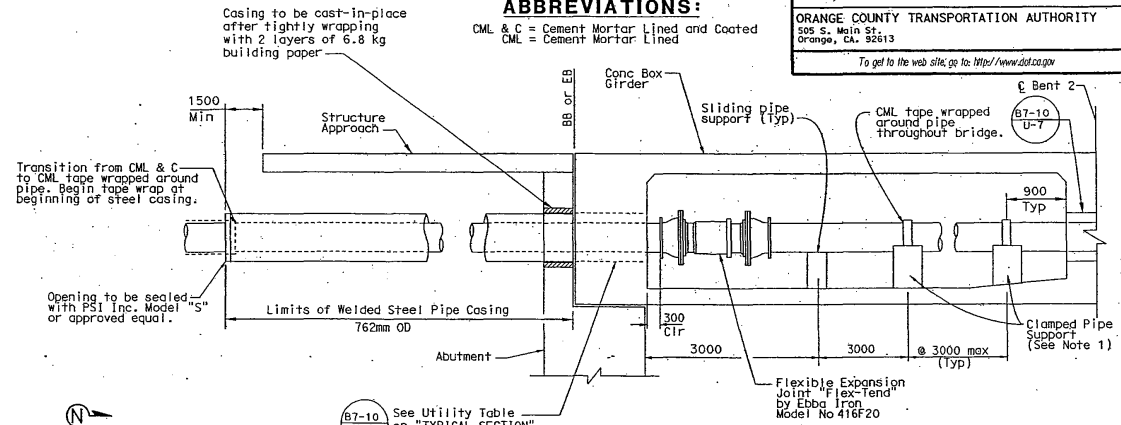
GRATE PLAN
No Scale

PLAN
No Scale



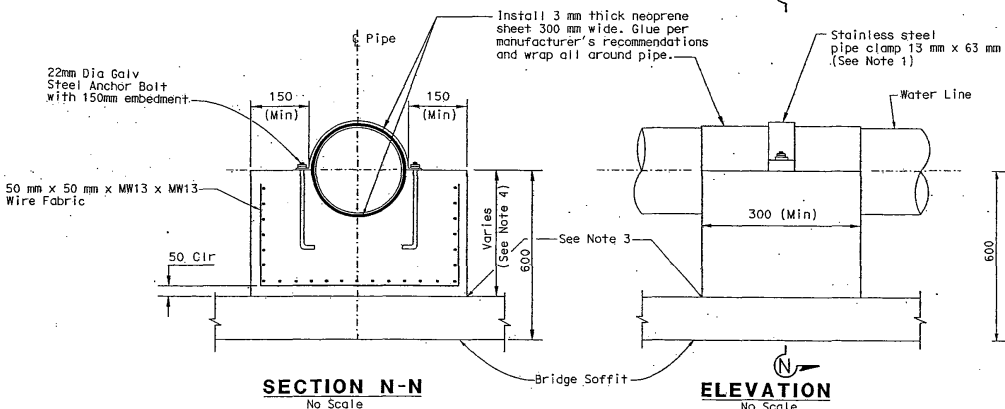
SECTION A-A
No Scale

SOFFIT OPENING DETAIL
No Scale



WATERMAIN THROUGH ABUTMENT DETAIL
No Scale

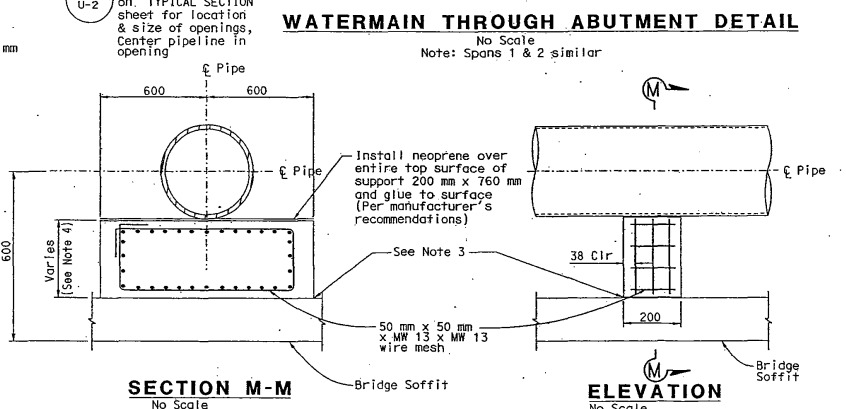
Note: Spans 1 & 2 similar



SECTION N-N
No Scale

ELEVATION
No Scale

CLAMPED PIPE SUPPORT DETAIL
No Scale



SECTION M-M
No Scale

ELEVATION
No Scale

SLIDING PIPE SUPPORT DETAIL
No Scale

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGNER: *[Signature]*
SECTION PREPARED: *[Signature]*
SIGN OFF DATE: 7-8-05

DESIGN	BY: F. Sanchez	CHECKED: K. Michalski
DETAILS	BY: J. Soldana	CHECKED: G. L. Rende
QUANTITIES	BY: F. Gonzalez	CHECKED: D. Vora

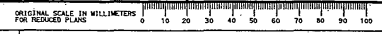
PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT ENGINEER
Gregory L. Rende
EA 101671

BRIDGE NO.	55-1072
KILOMETER POST	69.89

ROUTE 39/5 SEP (REPLACE)
WATER LINE DETAILS

DESIGN DETAIL SHEET (METRIC) REV. 3/4/90



CU 12233
EA 101671

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
	27	39

DATE PLOTTED => 03/05/05

DATE PLOTTED => 03/05/05

DATE PLOTTED => 03/05/05

DATE PLOTTED => 03/05/05