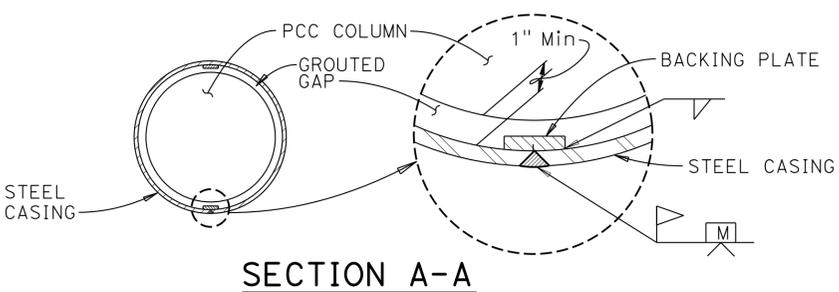
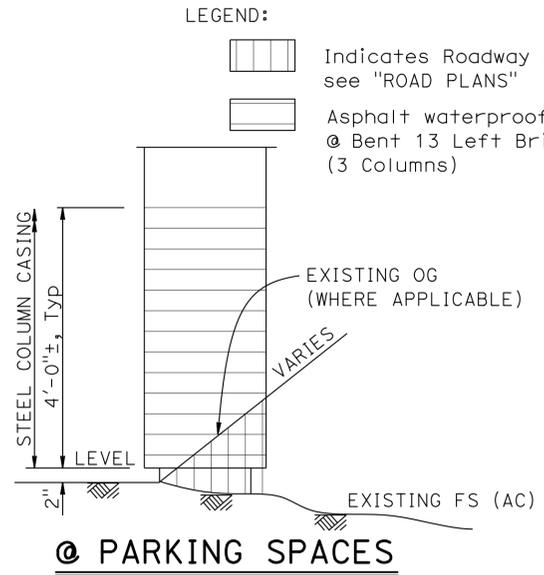
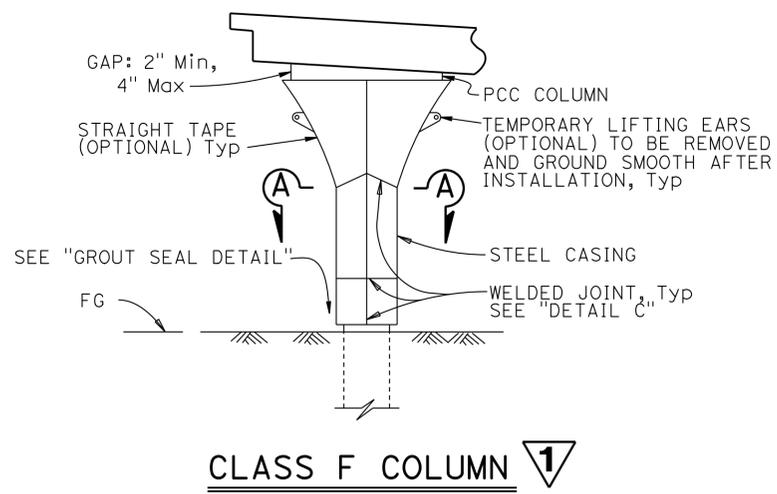


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	50	L1.3/L2.2	159	160

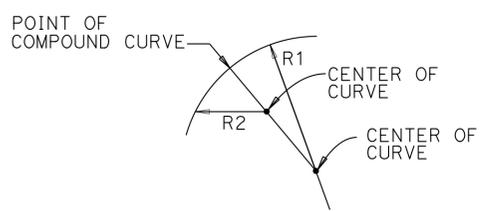
11-30-12
 REGISTERED CIVIL ENGINEER DATE
 3-25-13
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
 JOSE M. AQUINO III
 No. 58386
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA



MINIMUM INSIDE DIAMETER OF STEEL CASING = 1 1/2" GREATER THAN NOMINAL COLUMN DIAMETER FOR CLASS F

ROUND COLUMN



ELLIPTICAL CASING DETAIL CLASS F

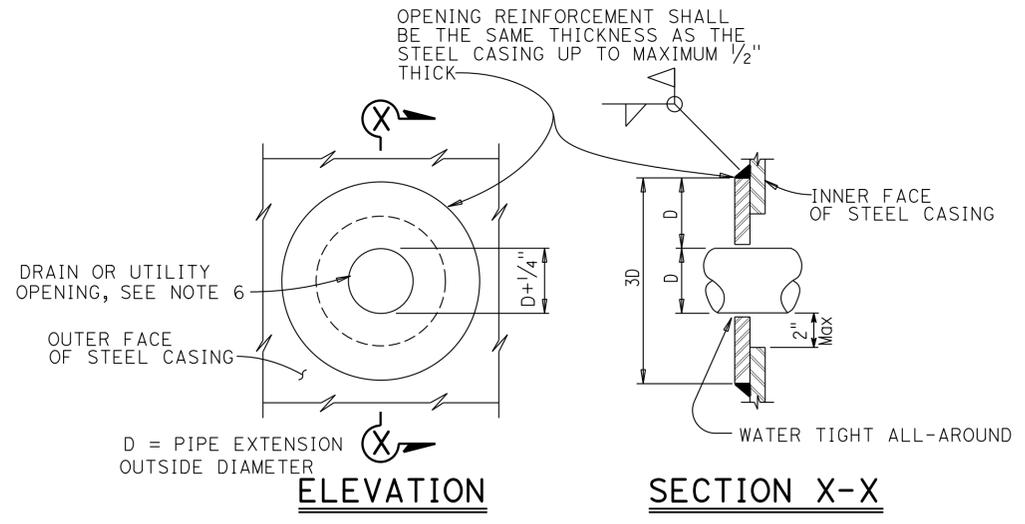
RADII R1 AND R2 TO BE DETERMINED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER

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

1 REPLACED PER ADDENDUM No. 1 DATED JUNE 13, 2013

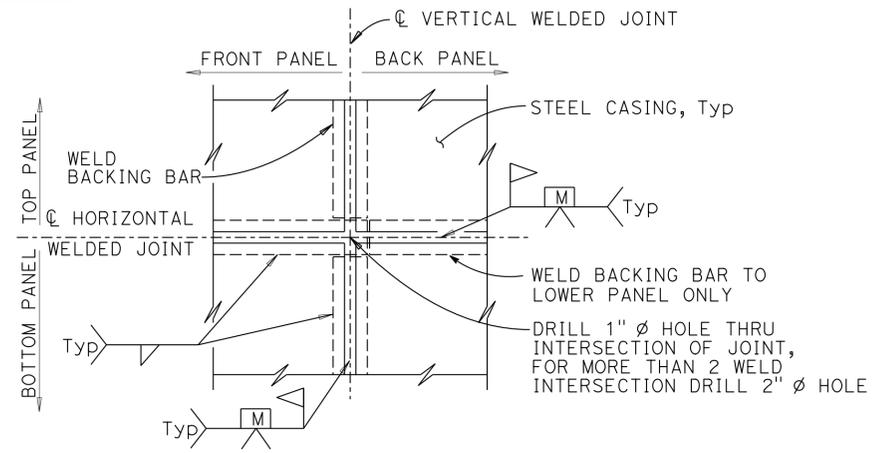
GROUT SEAL DETAIL

NO SCALE



CASING OPENING

NOTE: OPENING REINFORCEMENT REQUIRED FOR DRAIN OR UTILITY OPENINGS LARGER THAN 4"



NOTES:

- For varying thickness, steel casing inside surface to remain flush. Minimum clearance from PCC column to casing shall be maintained
- Appropriate injection nozzles to be provided on casing, but removed and ground flush following completion of grouting operation
- All voids between steel casing and PCC column to be filled with grout
- Location and number of vertical and horizontal welds to be determined by the Contractor and subject to the approval of the Engineer. The location of casing welds are for illustration. No skip welds allowed
- Steel casing to be 3/8" thick diameter. Backing plates to be the same thickness as casing up to maximum 3/8" thick
- For pipe extensions, opening shall be no more than 1/4" greater than the pipe extension diameter. For other openings, the opening diameter to be determined by the Engineer

DESIGN BY: Joey Aquino		CHECKED: Sharon Yen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 3	BRIDGE NO. 24-0248R/L	DECK REHABILITATION CAMELLIA CITY VIADUCT (WIDEN) COLUMN CASING-STEEL DETAILS
DETAILS BY: Janie Chlubna		CHECKED: Sharon Yen			POST MILE 1.51	
QUANTITIES BY: Pyo Hong		CHECKED: Ashraf Ahmed			REVISION DATES	

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 UNIT: 3578 PROJECT NUMBER & PHASE: 03000000731 CONTRACT NO.: 03-0F2301
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 3-5-12, 11-14-12, 8-16-12