

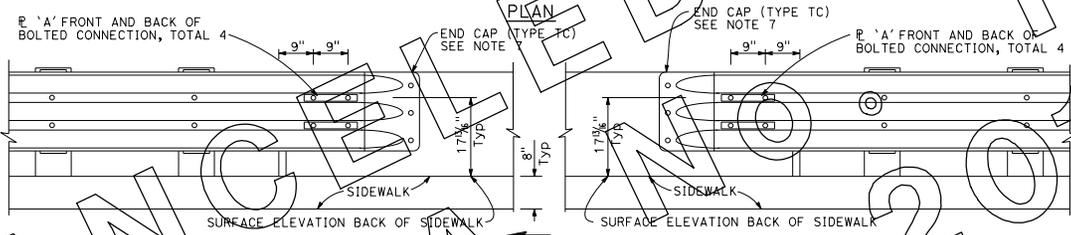
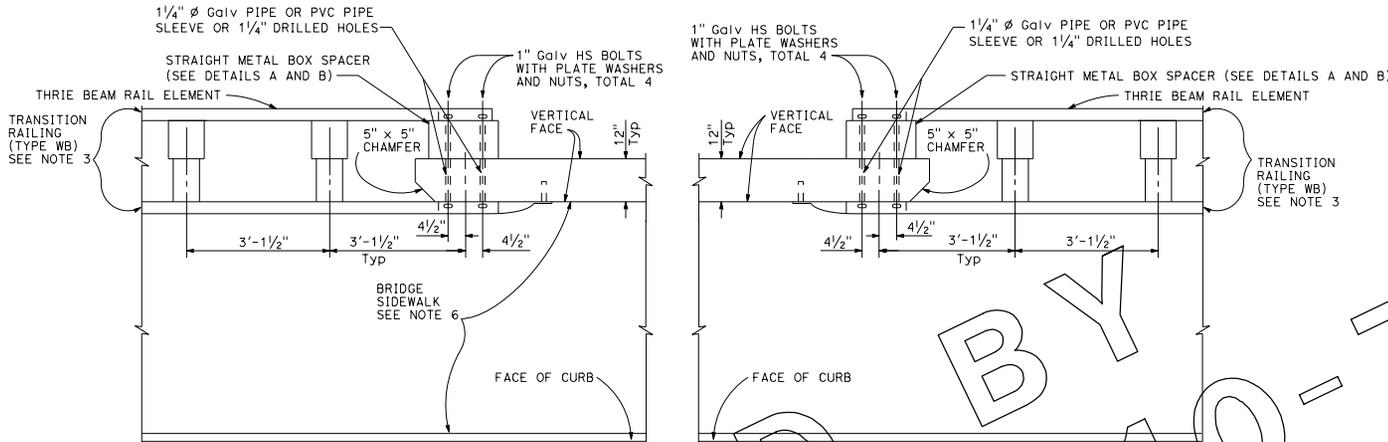
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

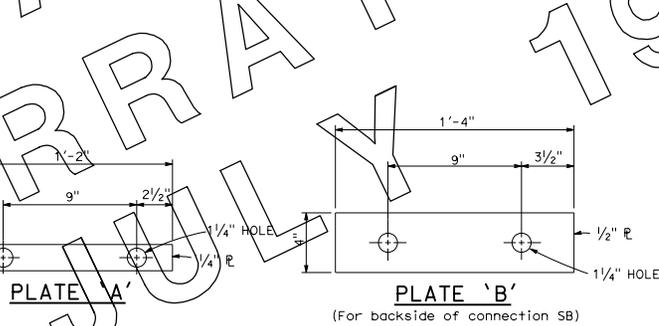
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REGISTERED PROFESSIONAL ENGINEER  
No. C60200  
Exp. 6-30-11  
CIVIL  
STATE OF CALIFORNIA

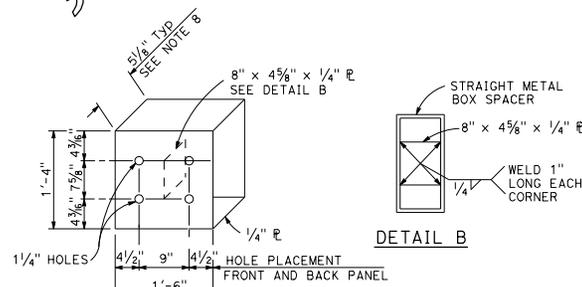


**GUARD RAILING CONNECTION TO BRIDGE RAILING WITH SIDEWALKS**  
See Notes 4 and 5

- NOTES:**
- See Standard Plan A77K1 for additional connection details to bridges with sidewalks.
  - Direction of adjacent traffic indicated by →.
  - For additional details of Transition Railing (Type WB), see Standard Plan A77J4. Transition Railing (Type WB) transitions the 12 gage w-beam standard railing section of guard railing to a heavier gage nested three beam railing which is connected to the concrete bridge railing.
  - For typical use of Connection Detail FF, see Layout Types 12A and 12B on Standard Plan A77F1.
  - For typical use of Connection Detail HH, see Layout Types 12AA and 12BB on Standard Plan A77F4.
  - Where the bridge sidewalk is not continued beyond the end of the bridge railing, the portion of the sidewalk beyond each end of the bridge railing shall be transitioned down from the top elevation of the sidewalk, for its entire width, to the finished grade of the adjacent roadbed. The longitudinal slope of each sidewalk elevation transition shall not exceed 8.33 percent.
  - For details of End Cap (Type TC), see Standard Plan A77J4.
  - See Standard Plan A77J4 for additional details regarding depth dimension for straight metal box spacer.



(For backside of connection SB)



**DETAIL A**  
STRAIGHT METAL BOX SPACER

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING CONNECTIONS TO BRIDGE RAILINGS WITH SIDEWALKS**  
**DETAILS No. 2**

NO SCALE

**A77K2**