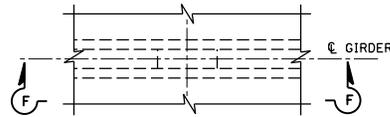
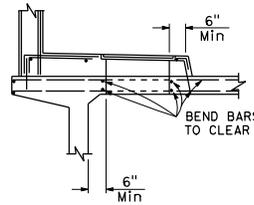


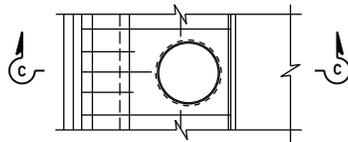
**ELEVATION F-F**



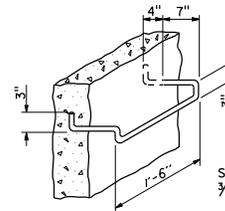
**PART PLAN  
GIRDER STEM ACCESS OPENING  
DETAIL U41**



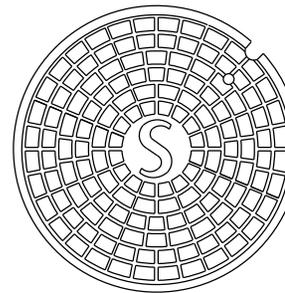
**SECTION C-C**



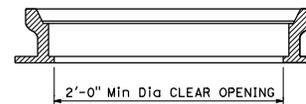
**PART PLAN  
SIDEWALK ACCESS OPENING  
DETAIL U42**



**BAR STEP  
LADDER RUNG DETAILS  
DETAIL U44**



**TOP OF MANHOLE COVER**



**SECTION THROUGH FRAME  
NON-ROCKING MANHOLE FRAME & COVER  
FOR DECKS  
DETAIL U45**

**NOTE:**  
1. Step inserts may be substituted for the standard step detail. Step inserts shall comply with State Industrial Safety requirements.

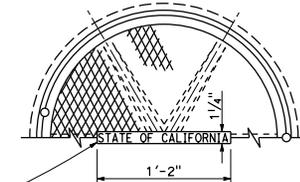
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

*Peter W. Norbo*  
REGISTERED CIVIL ENGINEER

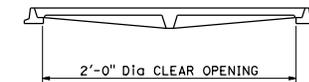
October 30, 2015  
PLANS APPROVAL DATE

*Peter W. Norbo*  
REGISTERED PROFESSIONAL ENGINEER  
No. C57519  
Exp. 12-31-15  
CIVIL  
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**TOP OF MANHOLE FRAME & COVER**



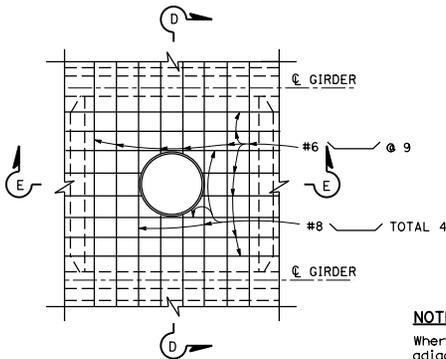
**SECTION THROUGH FRAME & COVER  
MANHOLE FRAME & COVER  
FOR SIDEWALKS  
DETAIL U46**

**NOTES:**  
1. Frame and cover shall be cast iron.  
2. Cover shall be supplied with bolt down or locking devices.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**UTILITY DETAILS**  
NO SCALE

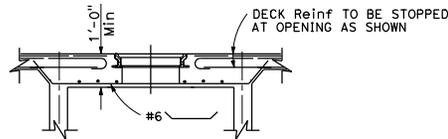
**NOTES:**

1. For exact location of openings see other sheets.
2. Location and size of manholes may be modified as directed by the Engineer, provided minimum dimensions are maintained.
3. All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.

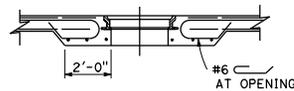


**PART PLAN**

**DECK ACCESS OPENING  
DETAIL U43**

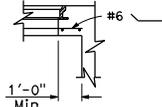


**SECTION D-D**



**SECTION E-E**

**NOTE:**  
Where manhole is located adjacent to a diaphragm or abut, substitute half Section E-E on one side of Section E-E.



**HALF SECTION E-E**