| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| | | | | | |

Paul R Davies
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

Paul R. Davies
No. C52193
Exp. 12-31-12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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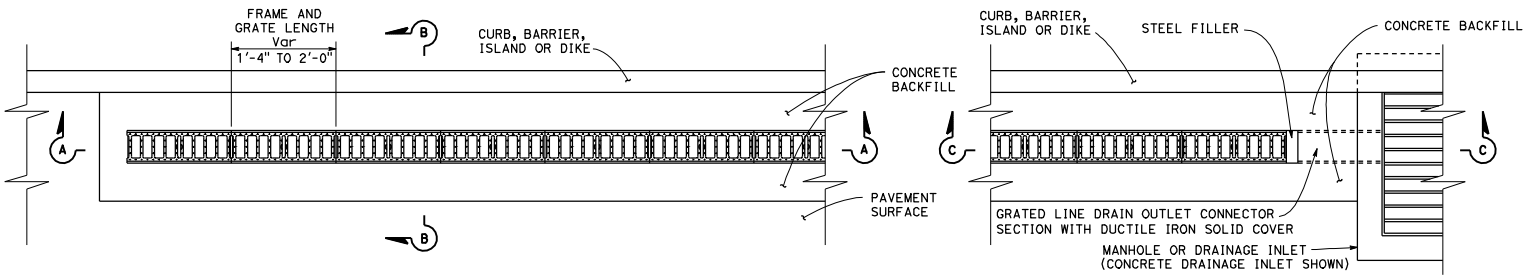
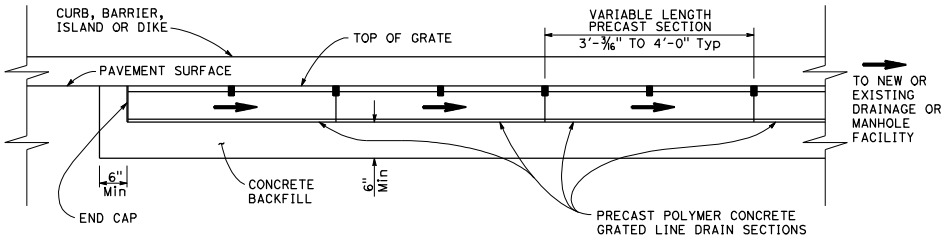
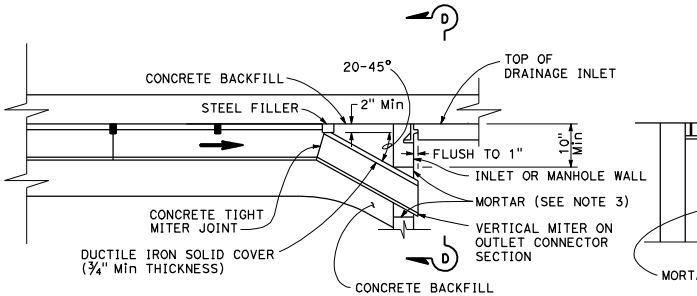


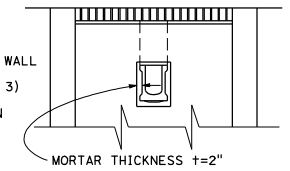

## GRATED LINE DRAIN PLAN



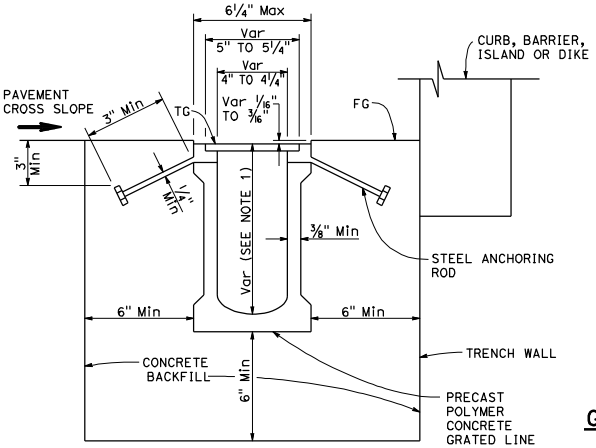

### SECTION A-A
(See Note 1)



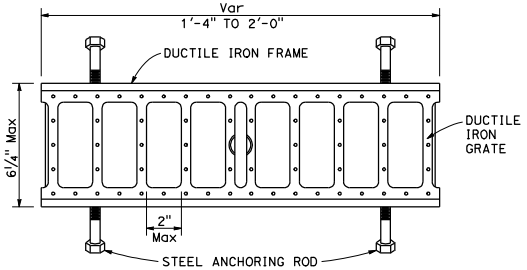

### SECTION C-C




### SECTION D-D




### SECTION B-B
(Precast grated line drain with non-integral frame)
See Note 6




## GRATED LINE DRAIN FRAME AND GRATE DETAIL
See Notes 4, 5, 6 and 7

**NOTES:**

1. Precast polymer concrete drain sections are available in non-sloped uniform depth sections 4 7/16" to 12" or in 0.6 percent pre-sloped sections with graduated depths from 4 7/16" to 12". See Project Plans for trench sections to be installed.
2. Nominal dimensions shown. Allowable tolerance ± 2% .
3. For GMP inlet connection, field joint sealed with a pliable mixture of sand, portland cement and emulsified asphalt (mixture of 1 part portland cement, 3-5 parts sand and 1½ part SSI emulsified asphalt).
4. Within designated pedestrian paths of travel, the maximum grate opening in the direction of pedestrian traffic shall be ½".
5. Grate patterns may vary from detail shown. See Special Provisions for requirements.
6. Steel anchoring rods not used when frame is integral with polymer concrete grated line drain section.
7. 3/16" maximum gap between adjacent gratings.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

# GRATED LINE DRAIN DETAILS

NO SCALE

**D98C**

8-10-09