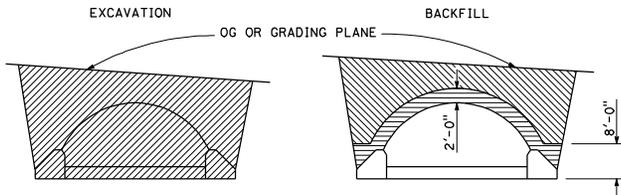


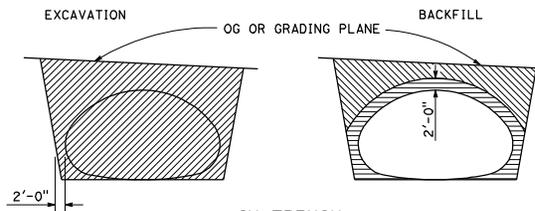
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Daniel J. Forrester
 REGISTERED CIVIL ENGINEER
 No. C37765
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

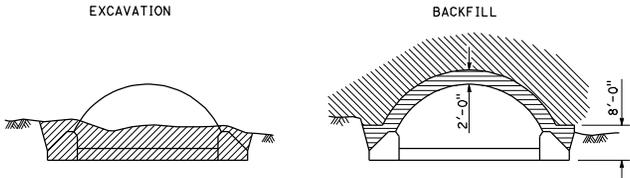
May 20, 2011
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



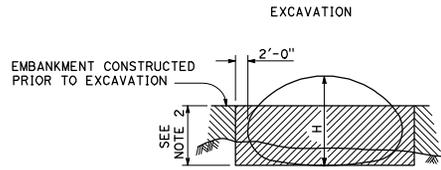
IN TRENCH



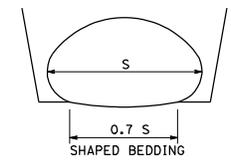
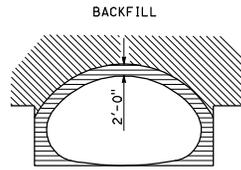
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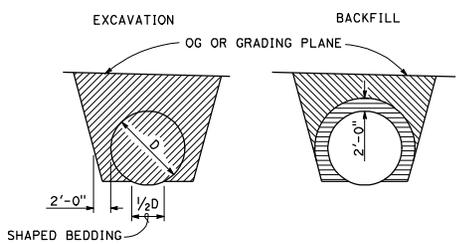
**IN EMBANKMENT
STRUCTURAL STEEL PLATE ARCHES**



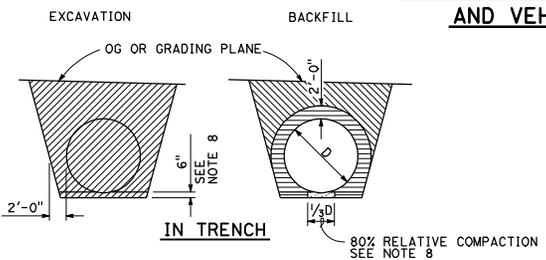
**IN EMBANKMENT
STRUCTURAL STEEL PLATE PIPE ARCHES
AND VEHICULAR UNDERCROSSING**



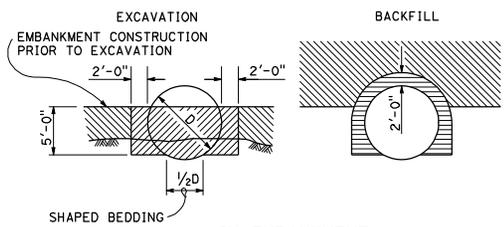
SHAPED BEDDING
S = Larger than 84"



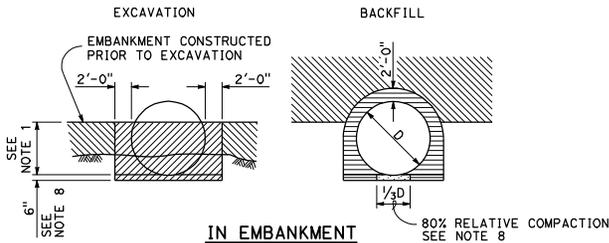
IN TRENCH



IN TRENCH



**IN EMBANKMENT
PIPES
Larger than 84"**



**IN EMBANKMENT
METAL AND PLASTIC PIPES AND
CORRUGATED METAL PIPE ARCHES
84" or Smaller**

NOTES:

1. PIPES: 30" minimum for diameters up to and including 42" then 2/3 diameter but no more than 60" required. CORRUGATED METAL PIPE ARCHES: 30" maximum.
2. 2/3 H up to 60" maximum.
3. Slope or shore excavation sides as necessary.
4. Backfill shall be placed full width of excavation except as noted.
5. Diagrams do not apply to overside drains.
6. Dimensions shown are minimum.
7. Construction strutting of structural steel plate pipe, arches and vehicular undercrossing to be used when shown on the project plans. When shown, see Standard Plan D88A for strutting requirements.
8. Excavation below pipe and 80% relative compaction requirements for plastic pipes only.

LEGEND

	STRUCTURE EXCAVATION (CULVERT)		ROADWAY EMBANKMENT
	STRUCTURE BACKFILL (CULVERT) 95% RELATIVE COMPACTION		ORIGINAL GROUND
	STRUCTURE BACKFILL (CULVERT) 80% RELATIVE COMPACTION		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**EXCAVATION AND BACKFILL
METAL AND PLASTIC CULVERTS**

NO SCALE

A62F

2010 STANDARD PLAN A62F