



**CARRIER PIPES:**

1. CLASS IV RCP SHALL BE USED FOR STORM WATER OR OTHER LIQUIDS THAT COULD CAUSE CORROSION, WHERE THE OPERATING PRESSURE IS UNDER 40 PSI
2. DUCTILE IRON PIPE IN A CASING IS ACCEPTABLE AS FOLLOWS:
  - CLASS 52 FOR DIAMETERS OF 4" THRU 10"
  - CLASS 53 FOR DIAMETERS OF 12" THRU 14"
  - CLASS 54 FOR DIAMETERS OF 16" THRU 18"
  - CLASS 56 FOR DIAMETERS OF 20" THRU 24"
3. PLASTIC PIPE SHALL BE IN A CASING. THE PLASTIC PIPE SHALL BE PVC OR HIGH DENSITY POLYETHYLENE (HDPE) AND MINIMUM SCHEDULE 80, WHERE THE OPERATING PRESSURE UNDER 20 PSI

**CASING PIPE:**

1. CASING PIPE MAY BE OMITTED FOR NON-PRESSURE (GRAVITY) SEWER AND STORM DRAIN CROSSINGS UNDER TRACKS WHERE THE PIPE STRENGTH IS CAPABLE OF WITHSTANDING RAILROAD LOADING
2. VOID BETWEEN CASING AND CARRIER PIPE SHALL BE FILLED WITH CLEAN SAND IN ALL PRESSURE ABOVE 20 PSI INSTALLATIONS. VOID MAY BE PARTIALLY FILLED IN OTHERS AS DIRECTED

**NOTES:**

1. ACCESSIBLE EMERGENCY SHUTOFF VALVES MAY BE REQUIRED BY THE FEDERAL, STATE, OR LOCAL AUTHORITIES. IF INSTALLED, THE VALVES SHALL BE LOCATED OUTSIDE OF CALTRAIN RIGHT-OF-WAY
2. SEE SD-8000 FOR GENERAL REQUIREMENTS
3. SIGNS NOT SHOWN FOR CLARITY

REV	DATE	BY	CHK	APP	DESCRIPTION

**PENINSULA CORRIDOR JOINT POWERS BOARD**

APPROVED BY:

ENGINEERING MANAGER

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**STANDARD DRAWINGS**

CIVIL ENGINEERING  
CROSSING UTILITIES  
PIPELINES FOR  
NON-FLAMMABLE SUBSTANCES

CADD FILE NO.: SD-8001	
REV 0	DATE 093011
CIVIL	
STANDARD NO.: SD-8001	