

NOTES

1. EXCEPT AS MODIFIED HEREIN, ALL REINFORCED CONCRETE PIPE (RCP) NOT LARGER THAN 108 INCHES INTERNAL DIAMETER SHALL CONFORM TO SUBSECTION 207-2 OF THE STANDARD SPECIFICATIONS. FOR RCP LARGER THAN 108 INCHES, SEE PLANS OR SPECIAL PROVISIONS.
2. WHEN HIGH CHLORIDE, HIGH SULFATE, OR MARINE (WITHIN 1,000 FEET OF OCEAN OR TIDAL WATER) ENVIRONMENTS ARE INDICATED ON THE PLANS OR SPECIAL PROVISIONS, CONCRETE SHALL CONTAIN A MINIMUM OF 7 SACKS OF TYPE II CEMENT PER CUBIC YARD. FOR VERY HIGH SULFATE PRESENCE (OVER 15,000 PPM), 7 SACKS OF TYPE V CEMENT OR A 25% CLASS F FLY ASH MAXIMUM SUBSTITUTION BY WEIGHT WITH TYPE II CEMENT SHALL BE USED, PROVIDED THE TOTAL WEIGHT OF TYPE II CEMENT AND FLY ASH IS AT LEAST 564 POUNDS PER CUBIC YARD.
3. CONCRETE COVER FOR REINFORCING STEEL IN CONCRETE PIPE SHALL CONFORM TO SUBSECTION 207-2.4.2. WHEN "SPECIAL COVER RCP, TYPE _____" IS SPECIFIED ON THE PLANS OR SPECIAL PROVISIONS, THE MINIMUM CLEARANCE (d_1 OR d_2) FOR TRANSVERSE REINFORCEMENT SHALL BE:

TYPE	COVER	USE
I - A	$d_1 = 1\text{-}1/2''$ -0" + 1/2"	16 < v ≤ 24
I - B	$d_1 = 2''$ -0" + 1/2"	
II - A	$d_1 = 2''$ -0" + 1/2"	24 < v ≤ 32
II - B	$d_1 = 2\text{-}1/2''$ -0" + 1/2"	
III - A	$d_1 = 2\text{-}1/2''$ -0" + 1/2"	32 < v ≤ 40
III - B	$d_1 = 3''$ -0" + 1/2"	
IV	SPECIAL DESIGN--SEE PLANS OR SPECIAL PROVISIONS	v > 40
V	$d_1, d_2 = 1/2$ INCH MINIMUM ADDED TO THAT SPECIFIED IN 207-2.4.2	HIGH CHLORIDE, HIGH GROUNDWATER, OR MARINE ENVIRONMENT

NOTES TO DESIGNERS:

- (A) "V" IS AVERAGE VELOCITY, FEET PER SECOND (FPS).
- (B) "A" IS USED WHERE DEBRIS IN FLOW DOES NOT OCCUR.
- (C) "B" IS USED WHERE DEBRIS IN FLOW OCCURS.
- (D) INCREASED CONCRETE COVER IS NOT CUMULATIVE WITH THAT REQUIRED FOR MARINE, HIGH VELOCITY, GROUNDWATER, OR CHLORIDE ENVIRONMENTS, BUT SHOULD BE AT LEAST THE GREATEST OF ANY OF THE REQUIREMENTS.
- (E) " d_2 " IS APPLICABLE ONLY FOR TYPE V USAGE.
- (F) FOR VELOCITIES LESS THAN OR EQUAL TO 16 FPS AND FOR NORMAL ENVIRONMENTS, CONCRETE COVER SHALL CONFORM TO SUBSECTION 207-2.4.2.