

Dimension (Varies) See Size Shown in Table Rebars at Equa Spacing Each Wa Bars are continuous and bent at corners. **PLAN**

			Cast-In-Place Section 1'-6" Typical	
	NOTE: Cast-In-Place Unit may		See Cast-In-Place Standard Plan	
al	be thicker than Precast Unit - walls.	${}$		
/ay			Optional Riser Unit	
	Joint between precast	->		
	units, see note 7	/ Precast Standard Plan PC-01	Base Unit Height	
	Flowline of pipe to be as	ta u		
	2" Grout space/full O.S. Circumference of pipe Adjust flowline of Base Unit	s	Inside Pipe Dia.	
	with class R concrete (to be			
	done by contractor in field)			
n		↓ I		\downarrow
	•			

Precast Units for Catch Basins & Storm Drainage Manholes

	4' Max. Dimension			6' Max. Dimension		8' Max. Dimension			10' Max. Dimension			
	2x2								_			
	Coastal Precast		2x3	Coastal Precast		4x6	Coastal Precast 4x8		Coastal Precast 4x10		4x10	
	Standard		2x4	Standard		5x5	Standard		Standard <u>5x</u> 10		5x10	
	Sizes		3x3	Sizes		6x6	Sizes			Sizes		
	<u> </u>		<u>4x</u> 4	_								
Max. Ht.	Bar	Spac.*	As	Bar	Spac.*	As	Bar	Spac.*	As	Bar	Spac.*	As
Feet	Size	Inches	in²/ft	Size	Inches	in²/ft	Size	Inches	in²/ft	Size	Inches	in²/ft
8	4	12	0.20	4	6	0.40	4	5.5	0.44	5	5.5	0.68
14	4	6	0.40	4	6	0.40	5	5.0	0.74	5	4.0	0.93
20	4	6	0.40	4	4.5	0.53						

^{*} Bar spacing applies to both directions and at all locations

Base Unit

Varies See Size Shown in Table

Openin

Required

.1" Clear

Varies 2' Min (Typical)

Section B - B







Typical Composite Structure

General Notes:

- 1) Designed according to 4th edition 2007 AASHTO LRFD procedures. LA DOTD Standard Specifications shall apply.
- 2) Concrete shall attain a minimum compressive strength of 4,500 PSI at 28 days
- 3) Steel Reinforcement per ASTM A-615 Grade 60 U.S. Steel
- 4) Pipe opening to be formed when required
- 5) Pipe opening to be outside diameter of pipe plus $4" \pm 1/2"$
- 6) Pipe to be grouted by contractor in field after installation
- 7) Joints between Precast Units to be sealed (by contractor in field) with flexible plastic gasket material and wrapped with a 12" width of geotextile fabric (See DOTD OPL)
- 8) Joint between Cast-In-Place section and Precast Unit to be tongue and groove and sealed (by contractor in field) with Type II grade A epoxy (See DOTD OPL) or flat joint with a minimum of 12" of No. 4 bars at 18" centers (max) extended above the joint

Issue Date: Aug 2016 - Coastal Precast, Inc, 1011 St Mary Rd Eunice, LA 70535 (337) 466-3572

8/23/2016 X:\Coastal Precast\Shop Drawing Forms\CPINC PC-01 equivalent