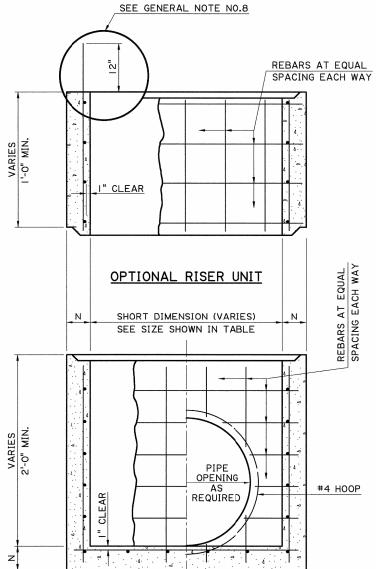
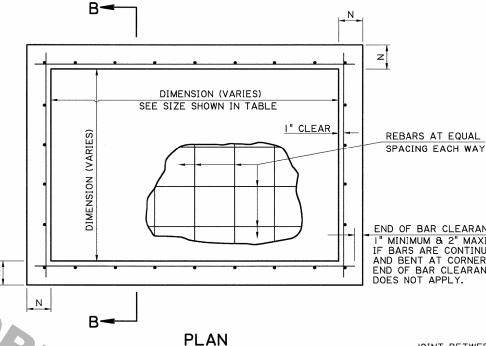
#### **GENERAL NOTES:**

- THESE PRECAST UNITS ARE TO BE USED AS THE LOWER PORTION OF A COMPOSITE STRUCTURE. THE CAST-IN-PLACE FINISHING DETAILS ARE
- 2) DESIGNED ACCORDING TO 4TH ED. 2007 AASHTO LRFD PROCEDURES. LA DOTD STANDARD SPECIFICATIONS SHALL APPLY.
- CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI BEFORE ACCEPTANCE & SHIPPING OF UNITS. REINFORCING STEEL TO BE
- 4) PIPE OPENING TO BE FORMED ONLY WHEN REQUIRED. OTHERWISE, WALL SECTION SHALL BE AS SHOWN.
- 5) PIPE OPENING TO BE OUTSIDE DIAMETER (O.D.) OF PIPE + 4"± 1/2".
- 6) PIPE TO BE GROUTED IN AFTER INSTALLATION. FOR 42" PIPE AND GREATER, CONCRETE COLLAR TO BE USED.
- 7) JOINTS BETWEEN PRECAST UNITS TO BE SEALED WITH FLEXIBLE PLASTIC GASKET MATERIAL AND WRAPPED WITH A 12" WIDTH OF GEOTEXTILE FABRIC (SEE LADOTD QPL).
- JOINT BETWEEN CAST-IN-PLACE SECTION AND PRECAST UNIT TO BE TONGUE AND GROOVE AND SEALED WITH TYPE II GRADE A EPOXY (SEE LADOTD QPL) OR FLAT JOINT WITH A MINIMUM OF 12" OF NO. 4 BARS AT 18" CTRS. (MAX.) EXTENDED ABOVE THE JOINT.



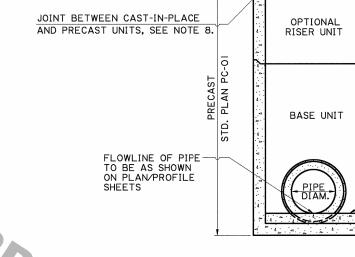
SECTION B-B

BASE UNIT



1'-0"

END OF BAR CLEARANCE I" MINIMUM & 2" MAXIMUM. IF BARS ARE CONTINUOUS END OF BAR CLEARANCE DOES NOT APPLY.



# $0.25 \text{ N} \pm \frac{1}{4}$ " $0.25N \pm 1/4$ " MINIMUM MINIMUM

### JOINT DETAIL

CAST-IN-PLACE SECTION 1'-6" TYPICAL

SEE CAST-IN-PLACE STD. PLAN

NOTE: CAST-IN-PLACE UNIT WALLS MAY BE THICKER THAN PRECAST UNIT WALLS. JOINT BETWEEN PRECAST UNITS, SEE NOTE 7.

OF BASE UNIT WITH CLASS "R" CONCRETE

## TYPICAL COMPOSITE STRUCTURE

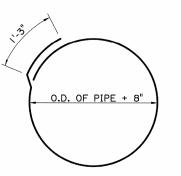
PRECAST UNITS FOR CATCH BASINS & MANHOLES													
5	N	4' MAX. DIMENSION			6' MAX. DIMENSION			8' MAX. DIMENSION			10' MAX. DIMENSION		
MAXIMUM HEIGHT		⊙TYPICAL [3'X3' SIZES 4'X4'			OTYPICAL [6'X4' SIZES 6'X6'			©TYPICAL -8'X4' SIZES -8'X6' 8'X8'			©TYPICAL   10'X4'   10'X6'   10'X8'   10'X10'		
FT.	IN.	BAR SIZE	SPAC.*	As <sup>⊠</sup> IN²⁄ <sub>FT</sub> .	BAR SIZE	SPAC.*	As <sup>⊠</sup> <sup>IN2</sup> ⁄FT.	BAR SIZE	SPAC.*	As <sup>⊠</sup> IN²⁄ <sub>FT</sub> .	BAR SIZE	SPAC.*	As <sup>⊠</sup> IN <sup>2</sup> /FT.
8	4	4	8	0.30									
8	6	4	12	0.20	4	8	0.30	4	5.5	0.44	5	5.5	0.68
14	6	4	9	0.27	4	6	0.40	5	5	0.74	5	4.0	0.93
20	6	4	7	0.34	4	4.5	0.53						

- O OTHER SIZES ARE ACCEPTABLE AS LONG AS THE DIMENSIONS DO NOT EXCEED THE MAXIMUM DIMENSIONS.
- \* BAR SPACING APPLIES TO BOTH DIRECTIONS AND AT ALL LOCATIONS.
- ☑ BAR SIZES AND SPACING MAY DIFFER FROM VALUES SHOWN, BUT THE AREA OF STEEL  $(A_s)$  SHALL BE EQUAL TO OR GREATER THAN VALUE SHOWN, AND BAR SPACING SHALL NOT EXCEED 12 INCHES. THE AREA OF STEEL (As) MAY BE PROVIDED WITH WELDED STEEL WIRE FABRIC.

#### CONCRETE COLLAR CLASS "R" CONCRETE PRECAST CATCH BASIN OR MANHOLE COLLAR DETAIL (PARTIAL SECTION)

OPENING

CONCRETE COLLAR IS REQUIRED FOR 42" PIPE AND GREATER. COST OF CONCRETE COLLAR TO BE INCLUDED IN COST OF PRECAST STRUCTURE.



#4 HOOP



SECTION

PRECAST CATCH BASINS AND MANHOLES

FEDERAL