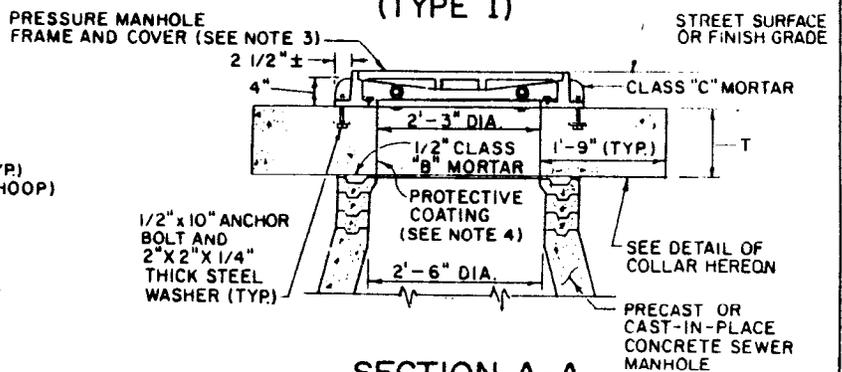


**SECTION A-A  
(TYPE I)**

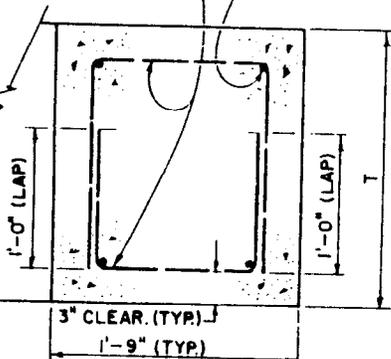
**PLAN**

#4 BAR, TOTAL 12 EQUALLY SPACED RADIALLY AND CENTERED BETWEEN ANCHOR BOLTS.

#4 BARS (TYP) (CIRCULAR HOOP)

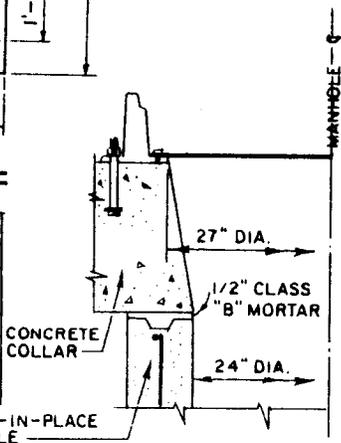


**SECTION A-A  
(TYPE II)**

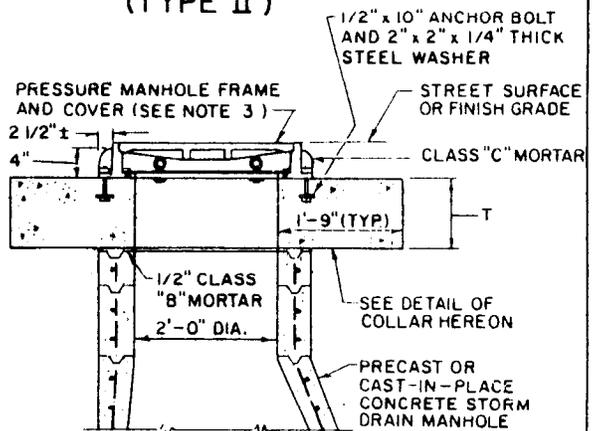


**COLLAR DETAIL**

STRUCTURAL DATA	
CLASS	T
15	1'-6"
20	2'-0"
25	2'-6"
>25	SEE PROJECT PLANS FOR SPECIAL REQUIREMENTS



**ALTERNATE SECTION A-A  
FOR TYPE III**



**SECTION A-A  
(TYPE III)**

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

**PRESSURE MANHOLE COLLAR**

STANDARD PLAN  
**S-285-1**

5 SUBMITTED *Sept 24* 1982  
*Urban F. Lense*  
 ENGINEER OF DESIGN  
*Robert S. Hovell*  
 DEPUTY ENGINEER

APPROVED *Oct 12* 1982  
*Robert S. Hovell*  
 ACTING CITY ENGINEER

DESIGNED BY: LIE. DRAWN BY: RGM. CHECKED BY: GF.

NO		DATE	DESCRIPTION	ENGR OF DESIGN	CITY ENGR
1		12/17/85	MODIFIED COLLAR FOR TYPE III TO PROVIDE TRANSITION FROM 27 INCH DIA TO 24 INCH DIA	<i>Ken L. Hovell</i>	<i>R.S. Hovell</i>

SUPERSEDES	REFERENCES
B-4049	S-136 S-283 S-284 S-388
VAULT INDEX NUMBER B-4084	
SHEET 1 OF 2 SHEETS	

### NOTES

1. UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS, COLLARS SHALL BE CLASS 15. (SEE STRUCTURAL DATA HEREON.)
2. CONCRETE SHALL BE CLASS 420-C-2000 PER SECTION 201 OF THE STANDARD SPECIFICATIONS.
3. INSTALL PRESSURE MANHOLE FRAME AND COVER, INCLUDING HARDWARE, CONFORMING TO STANDARD PLAN S-284.
4. TYPE I COLLARS REQUIRING PROTECTIVE COATINGS AS INDICATED ON THE PROJECT PLANS AND TYPE II COLLARS CONSTRUCTED ON TOP OF CONCRETE MANHOLES REQUIRING PROTECTIVE COATINGS SHALL BE COATED ON ALL INTERIOR SURFACES WITH AN APPROVED COATING. TYPE II COLLARS REQUIRING PROTECTIVE COATINGS SHALL BE COATED WITH THE SAME COATING IN AN IDENTICAL MANNER AS THE MANHOLE. A LIST OF APPROVED COATINGS IS ON FILE IN THE OFFICE OF THE CITY ENGINEER.