

**VERTICAL SECTION OF MANHOLE SHAFT**

**CROSS SECTION OF CONCRETE RING**

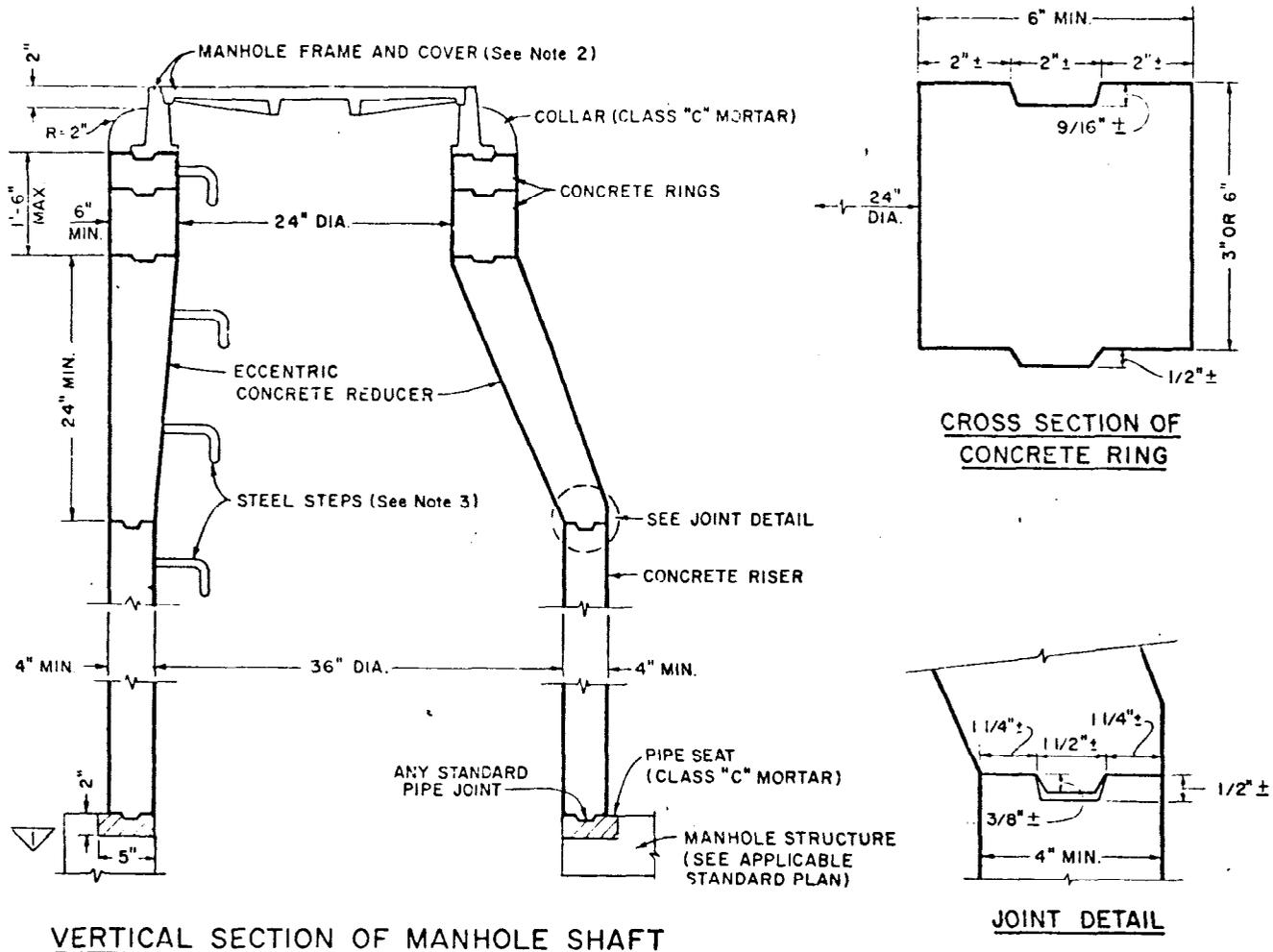
**JOINT DETAIL**

**NOTES**

1. THIS STRUCTURE SHALL CONFORM TO ASTM C-478.
2. MANHOLE FRAME AND COVER SHALL CONFORM TO STANDARD PLAN S-281.
3. STEPS SHALL CONFORM TO STANDARD PLAN S-348
4. ALL JOINTS SHALL BE SEALED BY FILLING ANNULAR SPACE WITH CLASS "C" MORTAR. THE INSIDE OF THE SHAFT AT EACH JOINT SHALL BE WIPED CLEAN OF EXCESS MORTAR.
5. THE VERTICAL SIDE OF THE MANHOLE SHAFT AND THE ECCENTRIC REDUCER SHALL BE LOCATED ABOVE AND IN LINE WITH THE SIDE OF THE CONDUIT BELOW THE MANHOLE.

**TYPE I  
REINFORCED PRECAST CONCRETE MANHOLE SHAFT**

BUREAU OF ENGINEERING		DEPARTMENT OF PUBLIC WORKS			CITY OF LOS ANGELES	
<b>PRECAST CONCRETE MANHOLE SHAFT</b>				<b>STANDARD PLAN S-387-1</b>		
SUBMITTED <i>Jan 19 1979</i> <i>[Signature]</i> CITY ENGINEER		REVISIONS			SUPERSEDES   REFERENCES B-3975   S-281 S-348	
APPROVED <i>JUNE 27 1979</i> <i>[Signature]</i> CITY ENGINEER		NO.	DATE	DESCRIPTION	ENGR OF DESIGN	CITY ENGR
		✓	2/3/76	MODIFIED NOTE 5, BASE SECTION		
DESIGNED BY	DRAWN BY	CHECKED BY				
LIE	KY	LJM				
						VAULT INDEX NUMBER S-4010
						SHEET 1 OF 2 SHEETS



**NOTES**

1. THIS STRUCTURE SHALL CONFORM TO ASTM C-478 EXCEPT THE REINFORCEMENT REQUIRED THEREIN MAY BE OMITTED.
2. MANHOLE FRAME AND COVER SHALL CONFORM TO STANDARD PLAN S-281.
3. STEPS SHALL CONFORM TO STANDARD PLAN S-348.
4. ALL JOINTS SHALL BE SEALED BY FILLING ANNULAR SPACE WITH CLASS "C" MORTAR. THE INSIDE OF THE SHAFT AT EACH JOINT SHALL BE WIPED CLEAN OF EXCESS MORTAR.
5. THE VERTICAL SIDE OF THE MANHOLE SHAFT AND THE ECCENTRIC REDUCER SHALL BE LOCATED ABOVE AND IN LINE WITH THE SIDE OF THE CONDUIT BELOW THE MANHOLE.

**TYPE II**

**UNREINFORCED PRECAST CONCRETE MANHOLE SHAFT**