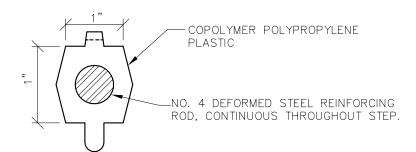


**FRONT VIEW** 



## SECTION A-A

## NOTES:

- 1. COPOLYMER POLYPROPYLENE PLASTIC SHALL MEET THE REQUIREMENTS OUTLINED IN ASTM D4101, TYPE II, GRADE 49108 OR APPROVED EQUAL.
- 2. NO. 4 DEFORMED STEEL REINFORCING ROD SHALL MEET THE REQUIREMENTS OUTLINED IN ASTM A615, GRADE 60, OR APPROVED EQUAL.
- 3. THE STEP IS TO BE INSERTED AT THE PRECASTING PLANT, BY PRESSURE, INTO PRECISELY PRE-FORMED TAPERED HOLES IN THE MANHOLE WALL.
- 4. THE VERTICAL SPACING BETWEEN INSTALLED STEPS SHALL NOT BE MORE THAN SIXTEEN INCHES.
- 5. ALL MANHOLE STEPS SHALL COMPLY WITH THE SAFETY STANDARDS (PARTS; FIXED LADDERS) AS ESTABLISHED BY THE OCCUPATIONAL SAFETY STANDARDS COMMISSION OF THE MICHIGAN DEPARTMENT OF LABOR.
- 6. MANHOLE STEPS ATTACHED INTO THE WALL OF RISER, OR CONICAL SECTIONS, SHALL MEET THE CURRENT REQUIREMENTS OF ANSI/ASTM C478

С							CITY	OF D	ETR	ОІТ
В						MANHOLE, STEP	WATER A	ND S	SEWE	ERAGE
Α						FOR COPOLYMER	DEP	PARTM	/ENT	Γ
	DESCRIPTION	DRW	CKD	APP	DATE	POLYPROPYLENE	ENGINEERING			
REVISIONS						]	DIVISION			
DRAWN BY: S.D.A.						PLASTIC	SHEET	2	OF	2
CHECKED BY: S.D.A.								006	00	00
APPROVED:						SCALE: NONE	02600-09 DWG No.			