



**LIST OF THRUST BLOCKS**

NO.	LOCATION	ANGLE	BEARING AREA	NO. OF PILES	LENGTH OF PILES
2	30° ELBOW AT P.I. STA. 47+73.90	90°00'00"	10'-0" x 10'-0"	3	18'-0"
3	30° ELBOW AT P.I. STA. 50+17.60	90°00'00"	10'-0" x 10'-0"	3	18'-0"
4	30° ELBOW AT P.I. STA. 54+68.20	90°00'00"	10'-0" x 10'-0"	3	18'-0"
5	30° ELBOW AT P.I. STA. 55+27.62	90°00'00"	10'-0" x 10'-0"	3	18'-0"
6	30° ELBOW AT P.I. STA. 64+76.64	90°00'00"	10'-0" x 10'-0"	3	18'-0"
7	30° ELBOW AT P.I. STA. 65+94.64	90°00'00"	10'-0" x 10'-0"	3	18'-0"
8	30° ELBOW AT P.I. STA. 86+75.00	7°30'00"	4'-0" x 3'-0"	—	—
9	30° ELBOW AT P.I. STA. 87+37.79	7°30'00"	4'-0" x 3'-0"	—	—
10	24° ELBOW AT P.I. STA. 115+32.80	5°00'00"	3'-0" x 3'-0"	—	—
11	24° ELBOW AT P.I. STA. 115+97.50	5°00'00"	3'-0" x 3'-0"	—	—

**REVISIONS**

NO.	DESCRIPTION	DATE	BY
1	REINFORCING STEEL ADDED TO CONCRETE SADDLE	1/20/64	S.A.
2	AS CONSTRUCTED	6 AUG 65	EN
3	REVISED TITLE	09 1990	EN
4			
5			
6			
7			
8			

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG  
**WATERWORKS & WASTE DISPOSAL DIVISION**  
 WATERWORKS DEPT.  
**CHARLESWOOD-ASSINIBOIA FEEDERMAIN**  
**24" FEEDERMAIN MAIN LINE VALVE CHAMBER**  
**THRUST BLOCKS AND MISC. DETAILS**

APPROVED BY: *[Signature]*  
 DESIGNED BY: W.S.B.  
 CHECKED BY: G.E.B.  
 DRAWN BY: A.C. P. P.A.C.  
 DATE: 21 JULY 64  
 SCALE: AS NOTED

DRAWING NO. **D-1088**

- NOTES**
- FITTINGS REQUIRED FOR EACH 24" PIPE IN CHAMBER ON TOP OF PIPE.
  - 2" NIPPLE (SCREW TO SCREW-ON-FLANGE) - SUPPLIED WITH PIPE.
  - 2" GATE VALVE FLANGED ON BOTTOM OF PIPE.
  - 3" NIPPLE (SCREW TO SCREW-ON-FLANGE) - SUPPLIED WITH PIPE.
  - 3" GATE VALVE FLANGED WITH BRASS TRIM.
  - 3" 90° GALV. BASE ELBOW (FLANGE TO SCREW) JOIN ELBOW TO VALVE WITH SCREW END DIRECTED TOWARDS MANHOLE OPENING.
  - ALL FITTINGS TO BE MADE OF BRONZE UNLESS SPECIFIED OTHERWISE.

