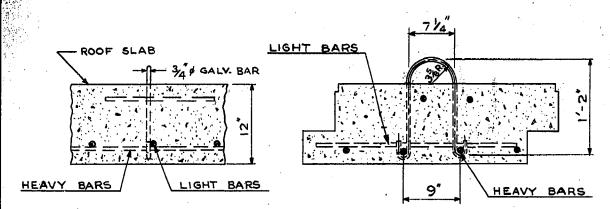


CROSS-SECTION

LONG - SECTION

DETAIL OF U-BOLT HOOK SCALE: 1"-1-0"



CROSS - SECTION

LONG - SECTION

DETAIL OF LIFTING LUG SCALE: 1"=1'-0"

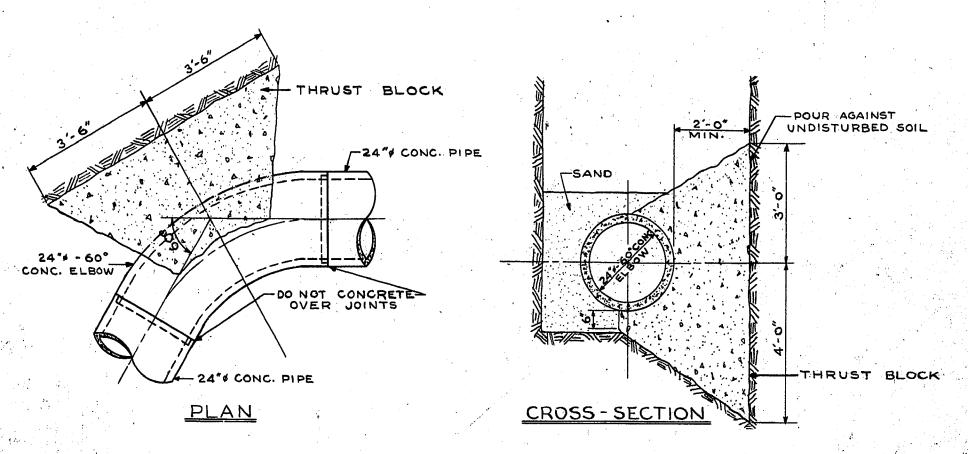
NOTES: (REFERING TO METER PIT AT STA. 2+04.10 - SEE DWG. D-1110)

- I ALL PRECAST CHAMBER SLABS ARE TO BE NUMBERED ON THE UNDERSIDE THE ORDER BY WHICH THEY CAN BE REMOVED. CAST IN TYPICAL HOUSE NUMBERS. 2 PLACE BUILDING PAPER BETWEEN VALVES AND CONCRETE SADDLES, BETWEEN ELBOWS AND CONCRETE SADDLES AND BETWEEN CONCRETE BASE AND METER. 3 ALL EXTERIOR AND INTERIOR CORNERS, INCLUDING PRECAST SLABS, TO BE CHAMFERED AS SPECIFIED IN THE SPECIFICATIONS
 - 4 THE VICTAULIC COUPLINGS TO BE STYLE # 44.
 5 FITTINGS REQUIRED FOR EACH 8" & C.I. SHORT WITH 3" # OUTLETS.

 - ONTOP OF B" SHORT.
 - 3" NIPPLE (SCREW TO SCREW ON-FLANGE)
 - 3" C.I. GATE VALVE FLANGED WITH BRONZE TRIM
 - ON BOTTOM OF 8" SHORT 3" NIPPLE (SCREW TO SCREW-ON- FLANGE)
- 3" GATE VALVE FLANGED WITH BRONZE TRIM
- 3" 90° GALV. BASE ELBOW (FLANGE TO SCREW)-DIRECT ELBOW TOWARDS
- MANHOLE OPENING.
 - 6 FITTINGS REQUIRED FOR ITEMS B. AND E.

 - ON TOP OF 24 & PIPE
 2" NIPPLE (SCREW TO SCREW-ON-FLANGE) SUPPLIED WITH PIPE.
 2" C.I. GATE VALVE FLANGED WITH BRONZE TRIM
 - ON BOTTOM OF 24" PIPE
 - 3"# NIPPLE (SCREW TO SCREW-ON-FLANGE) SUPPLIED WITH PIPE.
 - 3" C.I. GATE VALVE FLANGED WITH BRONZE TRIM
 3" 90" GALV. BASE ELBOW (FLANGE TO SCREW) DIRECT ELBOW TOWARDS

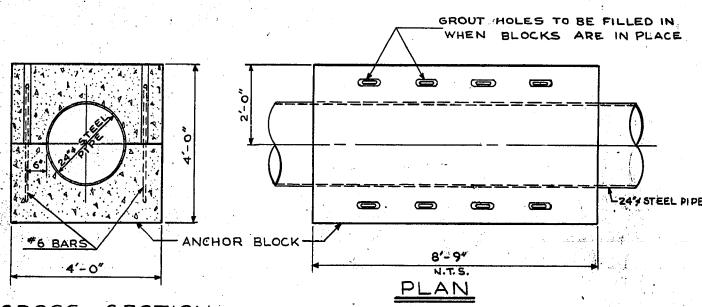
 - 7 ALL FITTINGS TO BE MADE OF BRONZE UNLESS SPECIFIED OTHERWISE. B SEE DWG. C-480 FOR ELECTRICAL REQUIREMENTS.



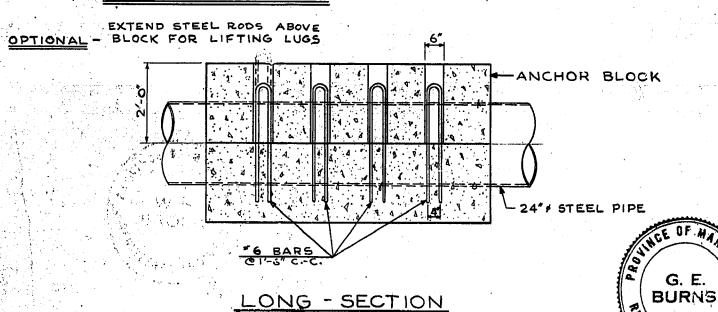
DETAIL OF THRUST BLOCKS NOS. 1 & 2 FOR 24" CONC. PIPE - 60° ELBOW SCALE: 1/2" = 1'-0"

| | LIST OF THRUST | BLOCKS | |
|-----|------------------------------|-----------|-----------------|
| | FOR 24" CONC. | PIPE | |
| NO. | LOCATION | ANGLE | BEARING AREA |
| 1 | 60° ELBOW AT P.I. STA. | 60°00′00′ | 7'0"×7'-0" |
| 2 | 60° ELBOW AT P.I. STA. | 60°00'00" | 7'-0" ×7'-0" |
| 3 | END OF CONTRACT STA. 9+49.63 | | 7-0"x 7-0" |

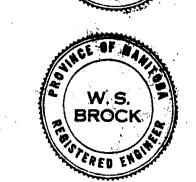
| | LIST OF ANCHOR BLOC | BLOCKS | |
|-----|---------------------|--------|--|
| | FOR 24" STEEL PIPE | | |
| NO. | LOCATION | LENGTH | |
| . 1 | STA: 5+05 | 8'-:9" | |
| 2 | STA. 5+70 | 8'- 9" | |
| 3 | STA. 6+45 | 8'-9" | |
| 4 | STA. 7+15 | 8'-9" | |



CROSS - SECTION



TYPICAL DETAIL OF ANCHOR BLOCKS - FOR 24" STEEL PIPE SCALE: 1/2"=1'-0"



THE METROPOLITAN CORPORATION OF GREATER WINNIPEG WATERWORKS & WASTE DISPOSAL DIVISION N. S. BUBBIS - DIRECTOR

CHARLESWOOD - ASSINIBOIA ASSINIBOINE RIVER
CROSSING
THRUST AND ANCHOR BLOCKS
MISCELLANEOUS DETAILS