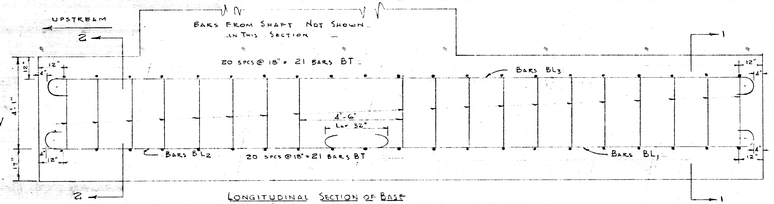
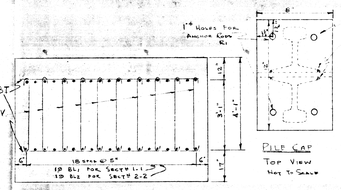
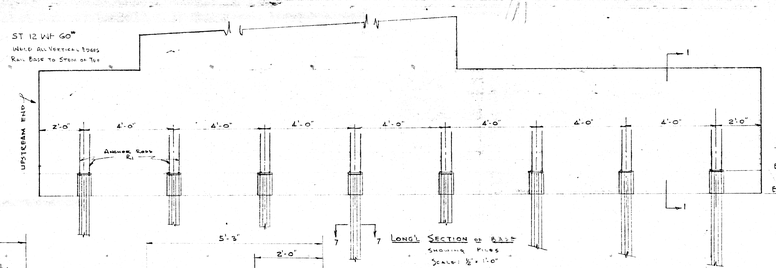


LONGITUDINAL SECTION OF BASE
PILES NOT SHOWN
SCALE: ½" = 1'-0"

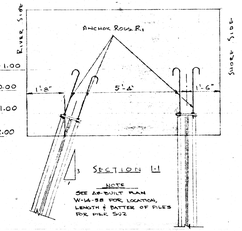


SECTION 1-1 & 2-2
PILES NOT SHOWN
SCALE: ½" = 1'-0"

PILE CAP
TOP VIEW
NOT TO SCALE



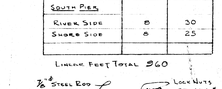
LONG'L SECTION OF RAIL
SHOWING PILES
SCALE: ½" = 1'-0"



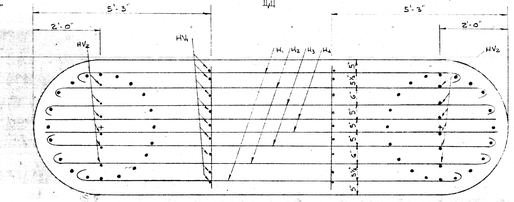
SECTION 6-6
NOTE
SEE AS-BUILT PLAN WORK-SH FOR LOCATION, LENGTH & BATTER OF PILES FOR PIER SU2

PILE SCHEDULE

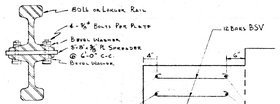
LOCATION	NUMBER REQUIRED	APPROX LENGTH
NORTH PIER		
RIVER SIDE	8	35
SHORE SIDE	18	30
SOUTH PIER		
RIVER SIDE	8	30
SHORE SIDE	8	25
LINEAR FEET TOTAL		960



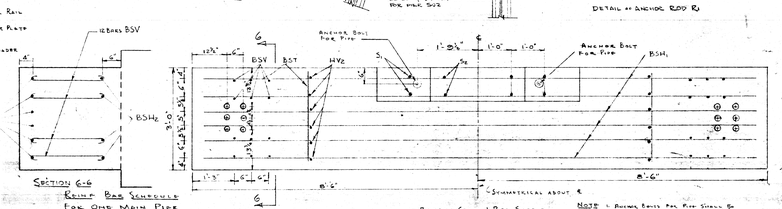
DETAIL OF ANCHOR ROD R1



SECTION 5-5
SCALE ⅜" = 1'-0"



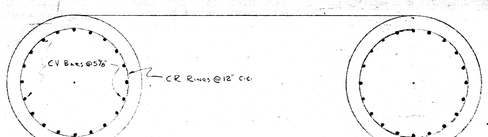
SECTION 7-7
TYPICAL THRU PIER
NOT TO SCALE



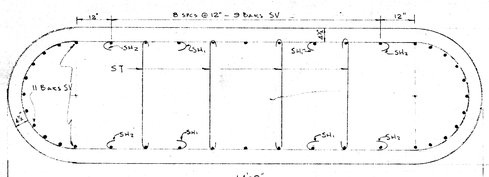
SECTION 6-6

REINF BAR SCHEDULE
FOR ONE MAIN PIER

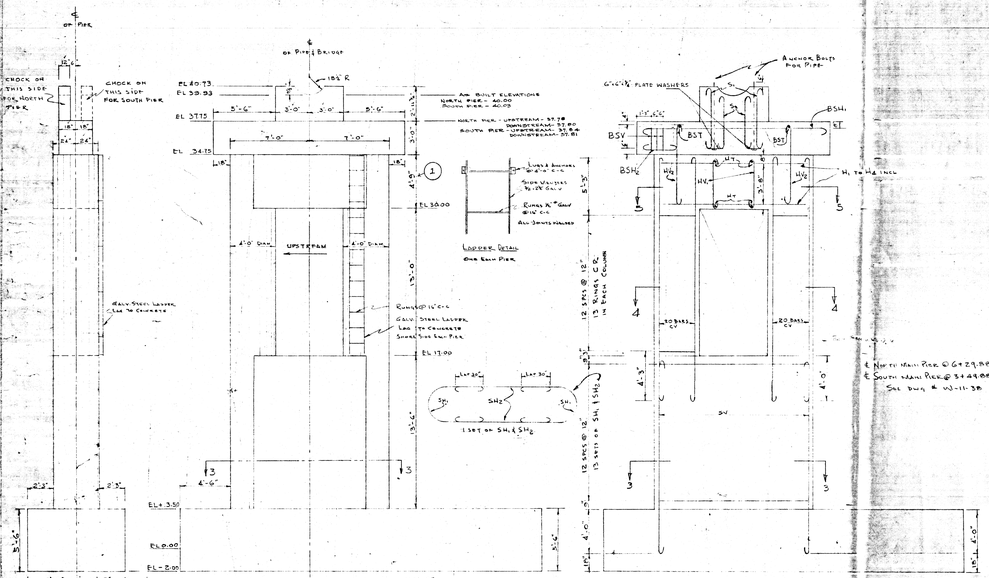
NO REQ'D	MARK	SIZE #	LENGTH	LOCATION	SKETCH	WEIGHT
19	BL1	10	21'-8"	BASE LOWER LONG DOWN STREAM	d = 19'-2"	1730
18	BL2	5	16'-2"	" " UP STREAM	15'-2"	320
19	BL3	5	32'-3"	" UPPER "	31'-3"	638
42	BT	6	8'-0"	" TRANSVERSE	STRAIGHT BAR	305
190	BV	5	3'-3½"	" VERTICAL	d = 3'-3½" BENT HORIZ ARRANGED ½" PIN	752
52	ST	6	31-10"	SHAFT TRANSVERSE	SPIRAL AS BV d = 31'-3½"	299
40	SV	8	15'-8"	" VERTICAL	d = 15'-0"	1394
24	SH	5	5'-2"	" HORIZONTAL	d = 5'-2"	283
40	CV	8	23'-2"	COIL VERTICAL	d = 21'-0"	2473
26	SH1	5	12'-5"		CURVED RADIUS 10'6"	337
26	CR	5	10'-5½"	COLUMN RINGS	C'SUNK HOLES 3" CURVED RADIUS 18'6"	279
4	H1	7	12'-11"	HEADER BEAM, LOWER	d = 11'-5"	106
4	H2	7	14'-5"		d = 12'-9"	117
4	H3	7	13'-10"		d = 13'-4"	121
4	H4	7	15'-0"		d = 13'-6"	123
4	HT	5	3'-0"	" " TRANSVERSE	STRAIGHT BAR	
18	HV	5	4'-5½"	" " VERTICAL	BENT HORIZ ARRANGED 1½" PIN 3'-11½"	84
12	HV2	4	7'-10"	HEADER BM VERT TO BRIDGE SEAT	d = 7'-0"	63
6	BSH1	5	17'-4"	BRIDGE SEAT HOR. LOWER	d = 16'-4"	108
4	S1	5	6'-0"	SADDLE VERT	d = 5'-0"	25
4	S2	5	5'-6"	" "	d = 4'-4"	21
2	BST	6	2'-0"	BRIDGE SEAT TRANSVERSE	STRAIGHT BAR	9
8	BSH2	5	4'-0"	" " HORIZONTAL	d = 3'-0"	32
24	BSV	5	2'-10"	" " VERTICAL	d = 2'-3½" BENT HORIZ ARRANGED 1½" PIN	71



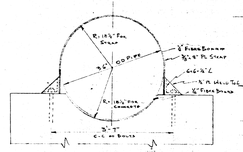
SECTION 4-4
SCALE ⅜" = 1'-0"



SECTION 3-3
SCALE ⅜" = 1'-0"

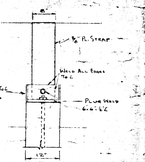


BASE ELEVATION
SHOWING CONCRETE DIMENSIONS ONLY



DETAIL OF PIER WELD ROUND STRAP & ANCHOR
SCALE: ½" = 1'-0"

BRIDGE SEAT & PIER SADDLE
REINFORCING DETAILS
SCALE: ½" = 1'-0"



NOTE
1 - ANCHOR BOLTS FOR PIER SHALL BE 1⅜"ø 6'-0" WITH 6"x6"x⅜" R WASHER
2 - PIERS HAVE 12 BARS BSV CURVED TO RADIUS DRAWING FOR BRIDGE ANCHOR BOLTS

NOTE
UNLESS OTHERWISE SHOWN ALL STEEL ALL BARS AND INSERTS ARE STAINLESS METAL

TOTAL WEIGHT REINF. FOR ONE PIER
10,591#

NO.	DESCRIPTION	BY	DATE
2	AS BUILT ELEVATIONS ADDED		May 8 1956
1	DIMENSIONS CHANGED AT 3 & 4		Feb 18/57
	REVISIONS		

E.C.L. 4505-1

CITY OF WINNIPEG
AUBREY STREET WATER CROSSING
DETAILS OF BRIDGE PIERS SU2 & SU3

TEMPLETON ENGINEERING COMPANY	
DESIGNED BY E.W.M.S.	SCALE AS SHOWN
DRAWN BY M.N.	PLAN NO
APPROVED BY	DATE DEC 28, 1956
	W-10-38