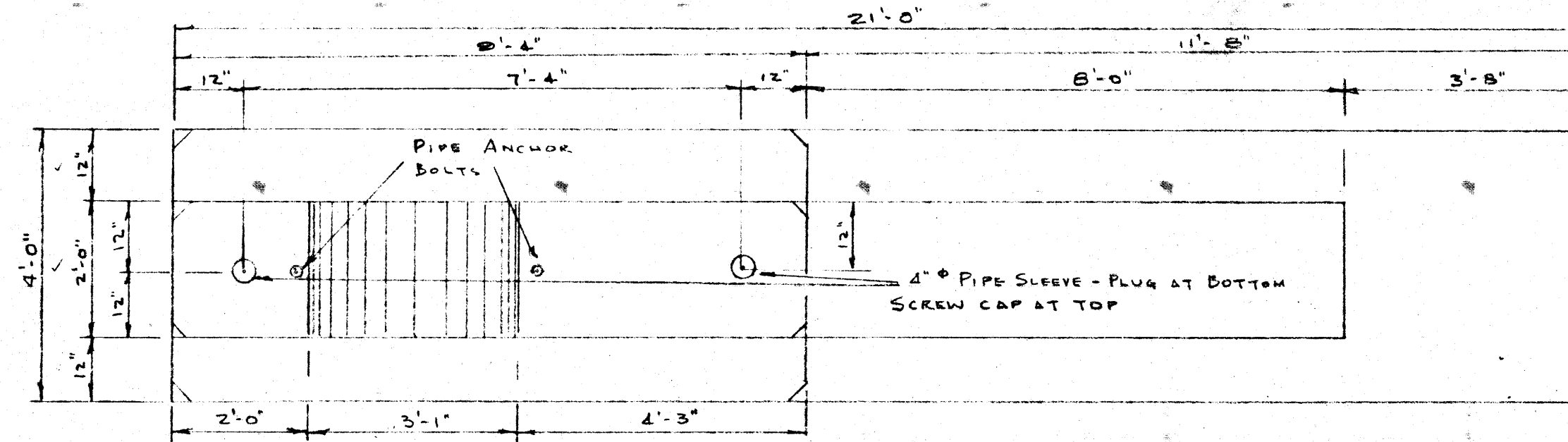
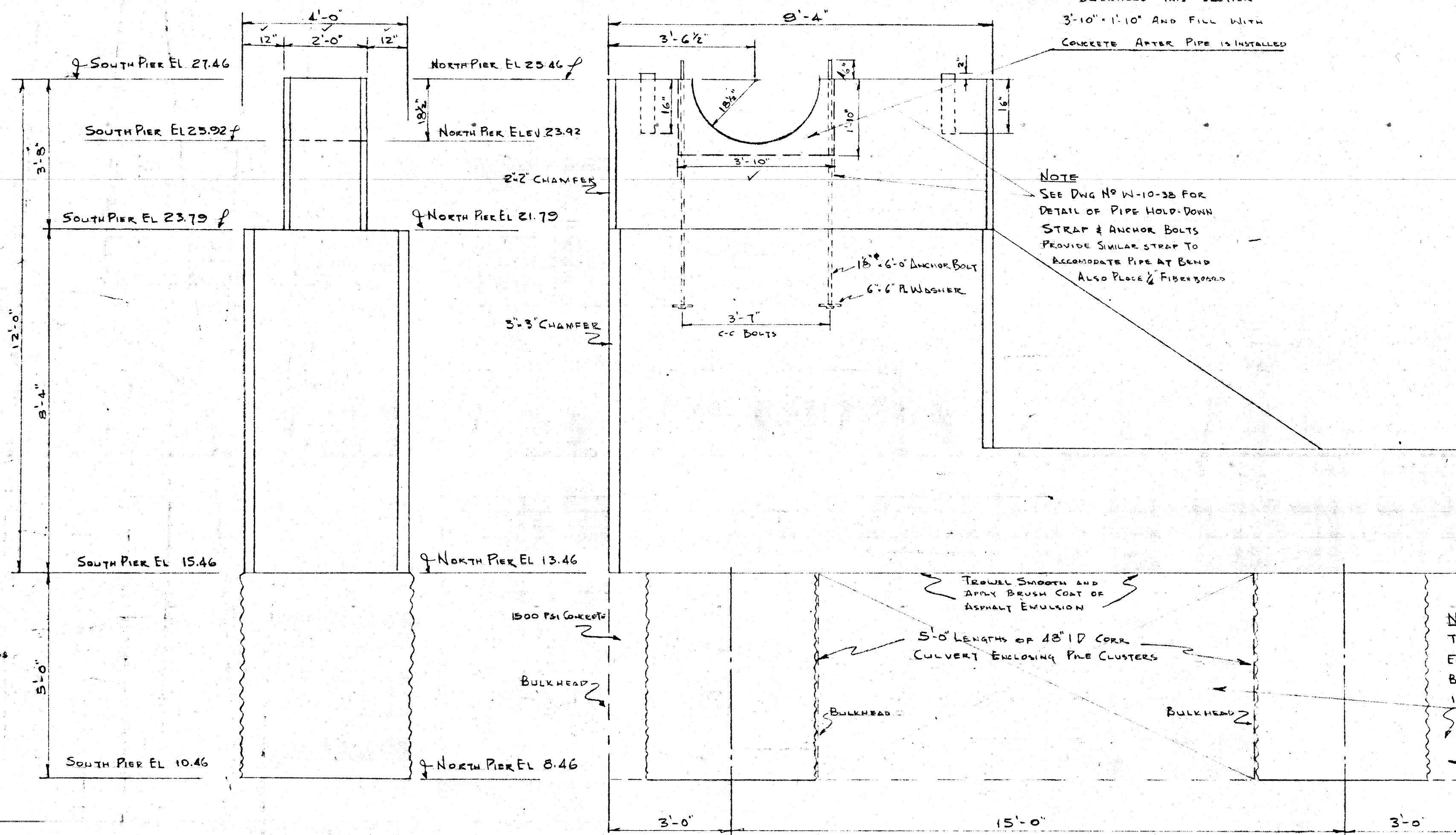




PLAN

NOTE
NORTH & SOUTH PIERS ARE IDENTICAL IN
DIMENSIONS & DETAIL, BUT ARE OF OPPOSITE
HAND IN LAYOUT

DOWNSTREAM END NORTH PIER SU₁
UPSTREAM END OF SOUTH PIER SU₂



ELEVATION

DOWNSTREAM OF SOUTH PIER SU₁
UPSTREAM OF NORTH PIER SU₂

SCALE 1/2" = 1'-0"

ELEVATION

NORTH FOR SOUTH PIER SU₁
SOUTH FOR NORTH PIER SU₂

SCALE 1/2" = 1'-0"

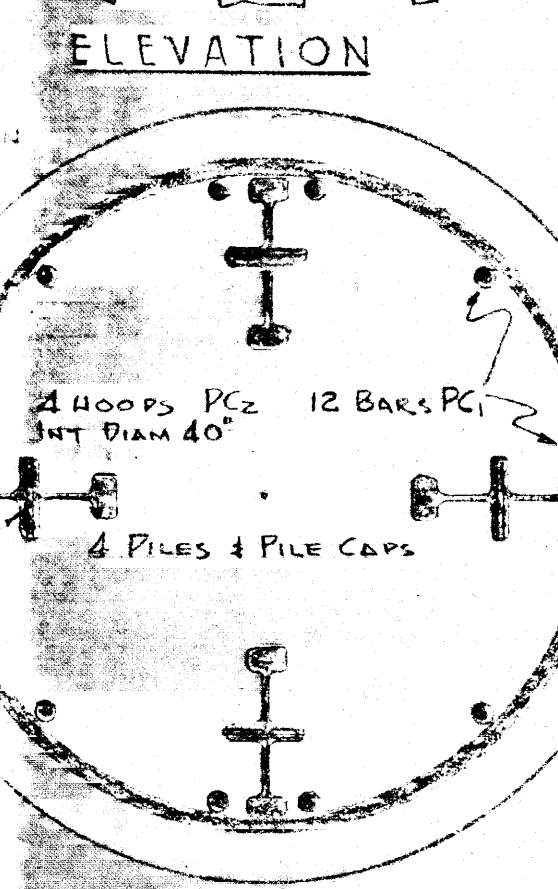
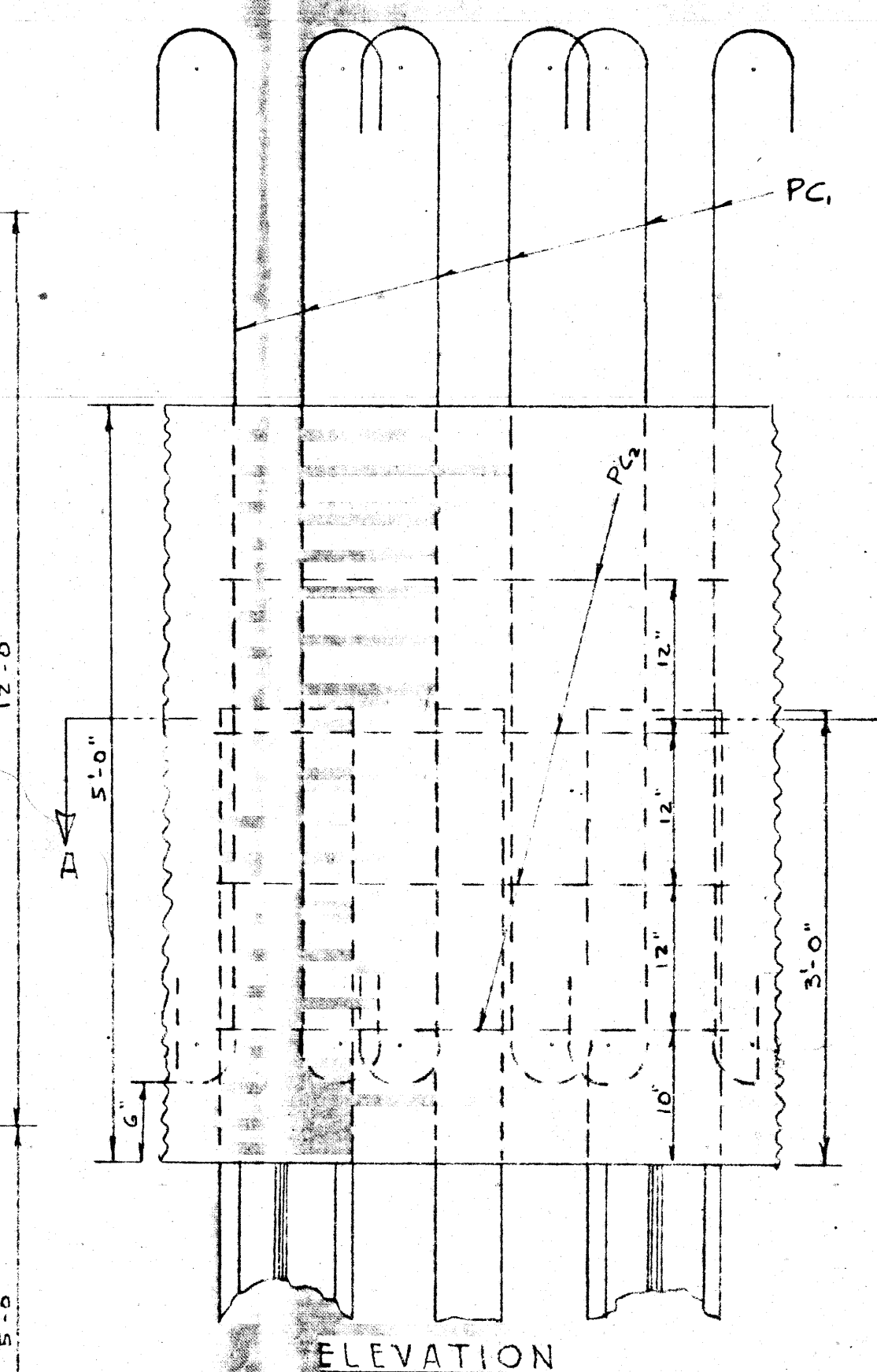
± NORTH SHORE PIER @ 6787.05 SU₁
± SOUTH SHORE PIER @ 2294.86 SU₂

LOCATION	NUMBER	LENGTH, FT. MINIMUM	LENGTH, FT. MAXIMUM	TOTAL LENGTH, FT.
PIER SU ₁ EAST CLUSTER	4	42'-5"	44'-0"	172'-11"
PIER SU ₁ WEST CLUSTER	4	45'-0"	44'-0"	173'-7"
PIER SU ₂ EAST CLUSTER	4	30'-0"	31'-9"	122'-1"
PIER SU ₂ WEST CLUSTER	4	30'-10"	33'-0"	127'-0"

ELEVATION

UPSTREAM OF SOUTH PIER
DOWNSTREAM OF NORTH PIER

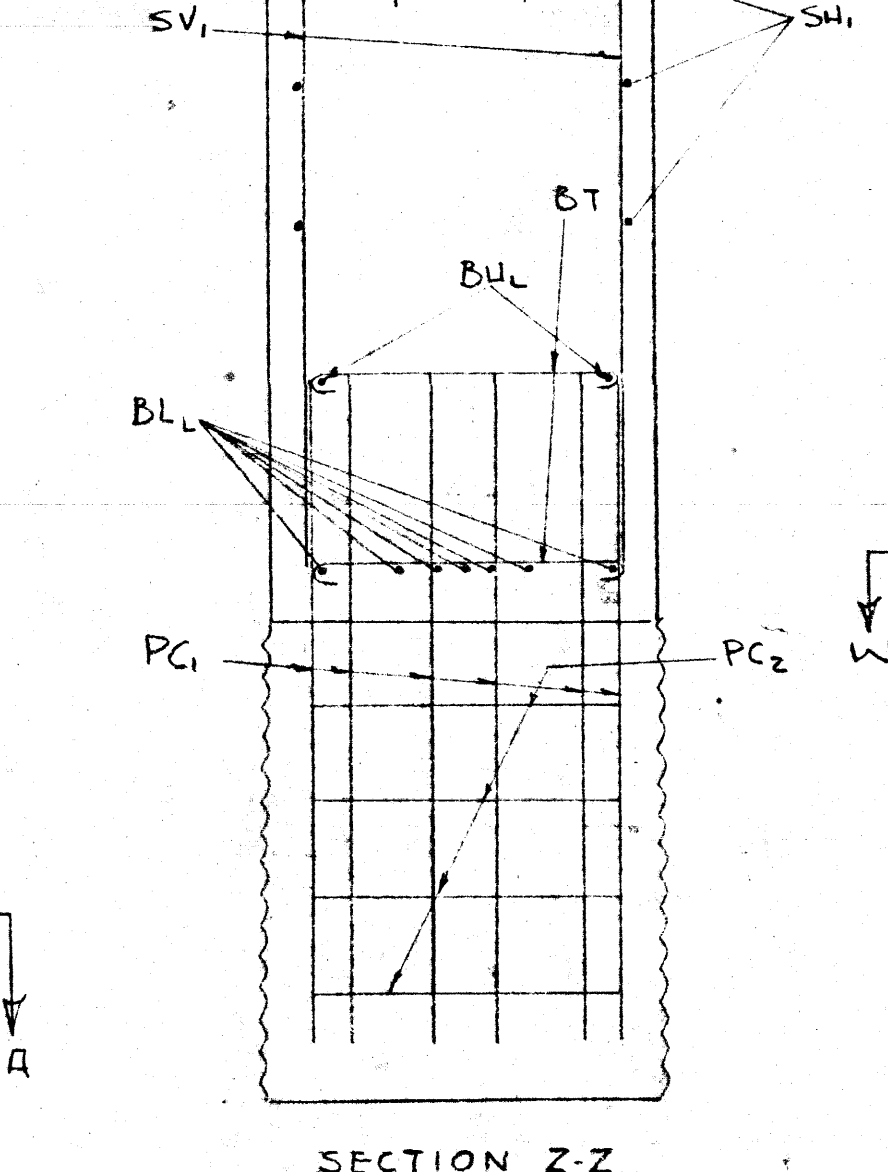
SCALE 1/2" = 1'-0"



SECTION A-A

DETAIL OF PILE CLUSTER

SCALE 1" = 1'-0"

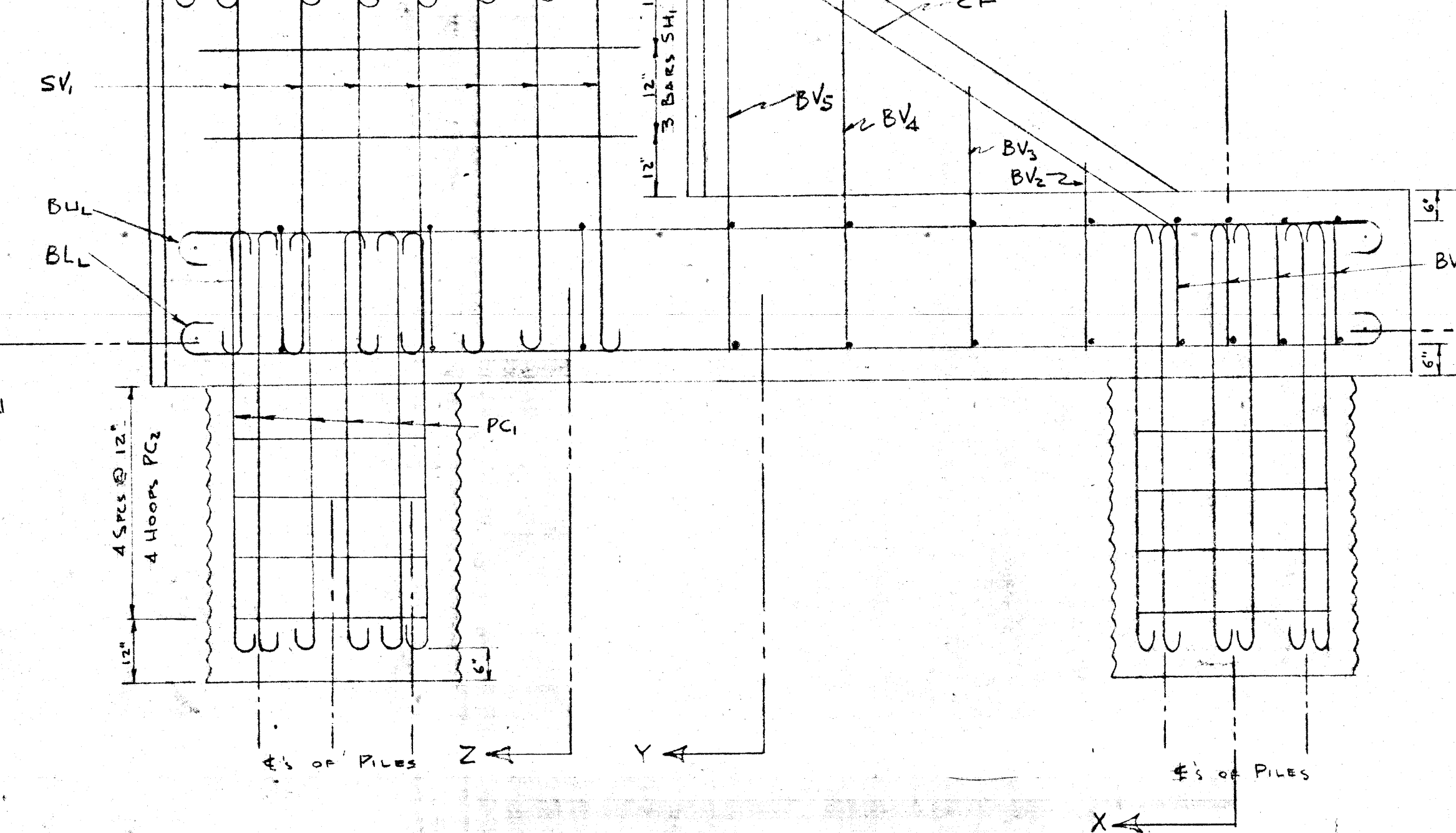


SECTION Z-Z

PILE SCHEDULE

LOCATION	NUMBER	APPROX. LENGTH
NORTH SIDE	8	40'
SOUTH SIDE	8	30'

TOTAL LINEAR FT. 260'

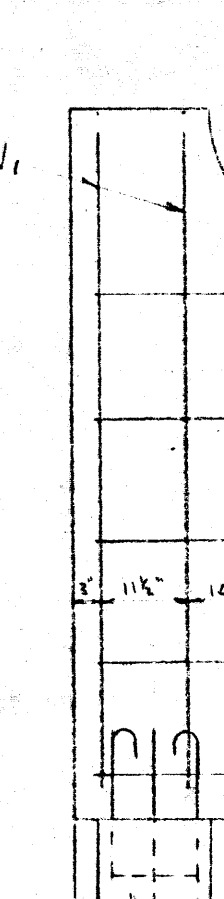
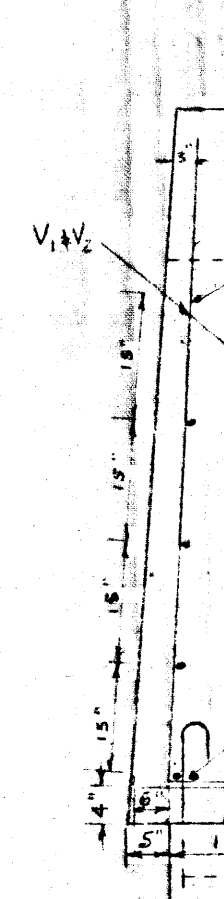


SECTION W-W



SU₂ PIPE SUPPORT

SCALE 1/2" = 1'-0"



BAR SCHEDULE

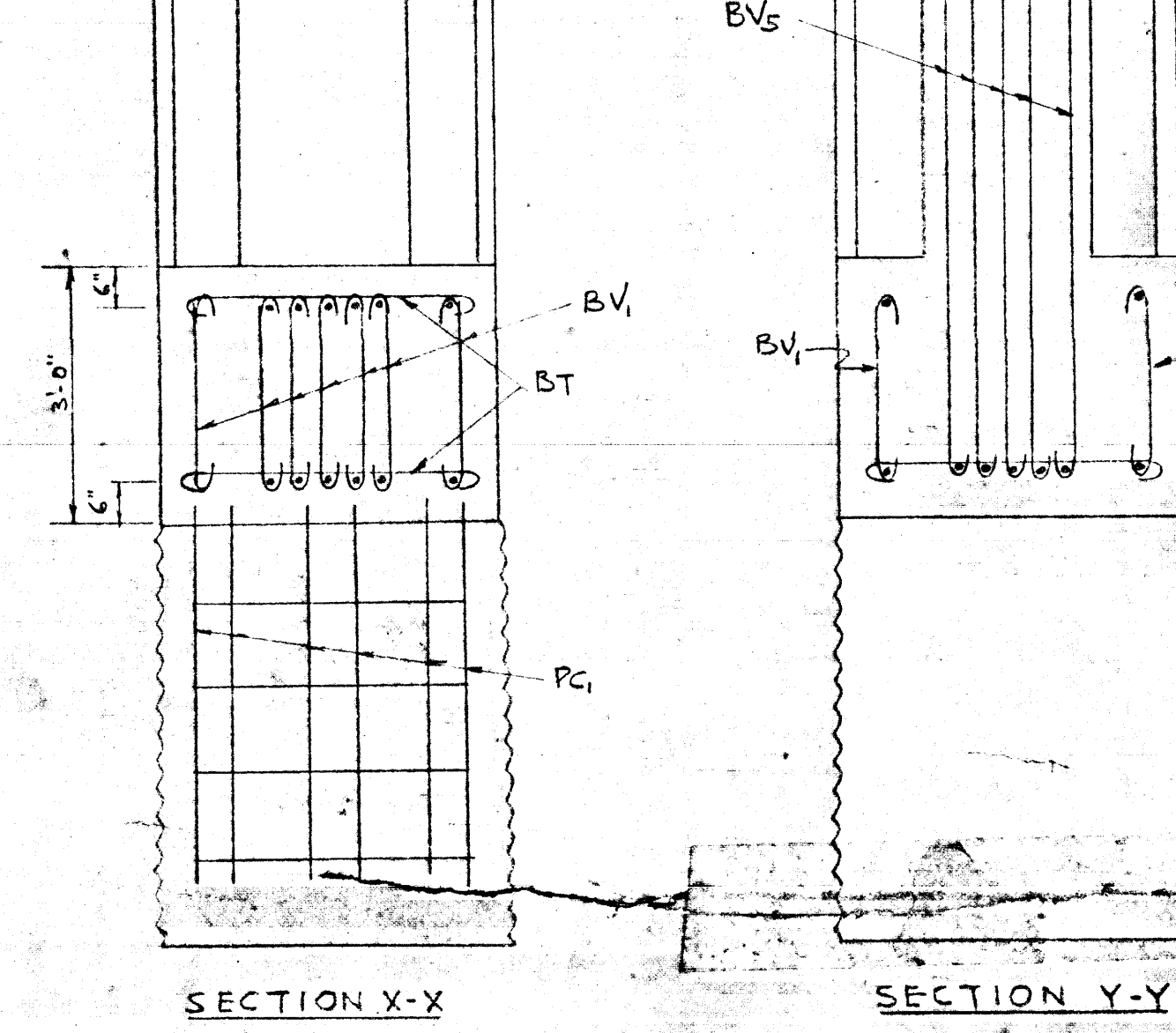
FOR TWO SHORE PIERS

NO.	MARK	SIZE	LENGTH	LOCATION	SKETCH	WEIGHT
8	V ₁	5	8'-6"	END VERTICAL		71
6	V ₂	5	7'-0"	CENTER VERTICAL		44
2	H ₁	3	6'-6"	BOTTOM HORIZ.		44
10	H ₂	5	6'-7"	HORIZONTAL		69
TOTAL WEIGHT						228

BAR SCHEDULE FOR TWO SHORE PIERS

BAR SCHEDULE FOR TWO SHORE PIERS

BAR SCHEDULE FOR TWO SHORE PIERS



SECTION X-X

SECTION Y-Y

BAR SCHEDULE

FOR TWO SHORE PIERS

NO.	MARK	SIZE	LENGTH	LOCATION	SKETCH	WEIGHT
24	PC ₁	3	8'-10"	PIER COUNTER-TO-BASE VERT.		721
7	BL ₁	3	21'-10"	BASE LOWER LEVEL		860
2	BUL	6	21'-4"	BASE UPPER LEVEL		641
14	SV ₁	6	8'-7"	SHORT VERT. IN 4 SECTS.		410
10	SV ₂	6	6'-8"	" " " " 10 SECTS.		100
6	SV ₃	6	5'-7"	" " " " UNDER SILL		46
6	SH ₁	6	7'-4"	SHORT HORIZ.		66
2	SH ₂	6	2'-6"	" " " "		8
2	SH ₃	6	1'-7"	" " " "		5
2	SH ₄	6	1'-8"	" " " "		23
22	BT	5	3'-10"	BASE TRANSVERSE		80
28	BV ₁	5	2'-10"	BASE VERT.		85
3	BV ₂	5	3'-8"	" " " "		20
3	BV ₃	5	5'-0"	" " " "		24
5	BV ₄	5	6'-2"	" " " "		32
5	BV ₅	5	7'-4"	" " " "		38
5	CF	6	15'-5"	BASE TO COUNTERFOOT		80
8	PC ₂	6	11'-6"	4 IN EACH PIER CLUSTER		158
TOTAL WEIGHT						3389

DESCRIPTION

REVISIONS

BC4503-2

CITY OF WINNIPEG

AUBREY STREET WATER CROSSING

SHORE PIERS & PIPE SUPPORT

SU₁ SU₂ SU₃

DESIGNED BY E.W.M.S. SCALE AS SHOWN PLAN NO.

DRAWN BY T.W.N. DATE JAN 15 1957 W-12-35