

	Pile spacing						No. piles	Cap length	
No Skew	5'	4'	3 1/2'	2 3/4'	1 3/4'	1/2'	4'-1 1/2"	12	24'
15° Skew	5'	4'	3 1/2'	2 3/4'	1 3/4'	1/2'	4'-2 15/16"	12	25'
30° Skew	5'	4'	3 1/2'	2 3/4'	1 3/4'	1/2'	4'-8 3/4"	12	28' (2-14')
45° Skew	5'	4'	3 1/2'	2 3/4'	1 3/4'	1/2'	4'-10 3/8"	14	35' (1-20', 1-15')

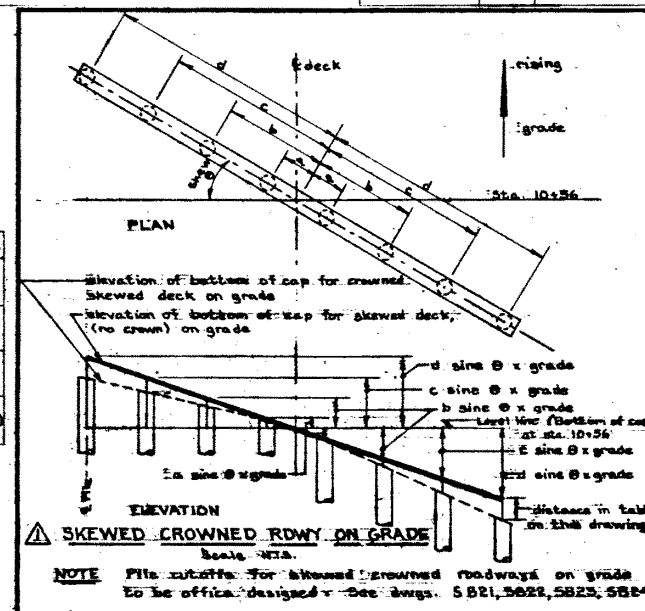
* For half width

PILE SPACING AND CUT OFFS FOR 42 FT. CLEAR, CROWNED RDWY, NO SKEW

Exaggerated scale
1/4" = 1'-0" horizontal
3/8" = 1'-0" vertical

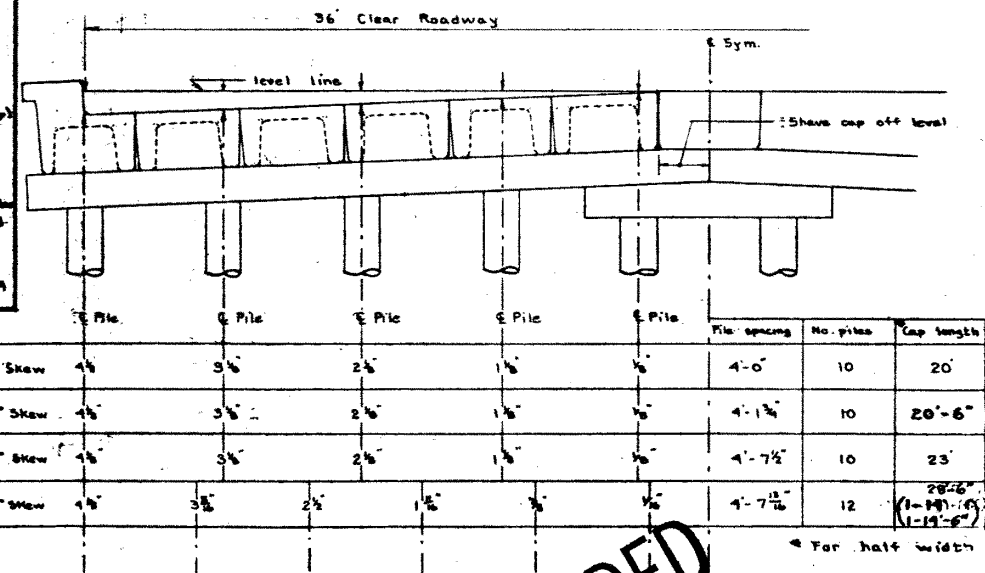
	Pile spacing						No. piles	Cap length	
No Skew	4 3/8"	3 3/8"	2 3/8"	1 3/8"	3/8"	0	4'-8"	10	23'
15° Skew	4 3/8"	3 3/8"	2 3/8"	1 3/8"	3/8"	0	4'-10"	10	24'
30° Skew	4 3/8"	3 3/8"	2 3/8"	1 3/8"	3/8"	0	4'-4 5/8"	12	26'-6"
45° Skew	4 3/8"	3 3/8"	2 3/8"	1 3/8"	3/8"	0	4'-6 1/2"	14	33' (1-20', 1-13')

* For half width



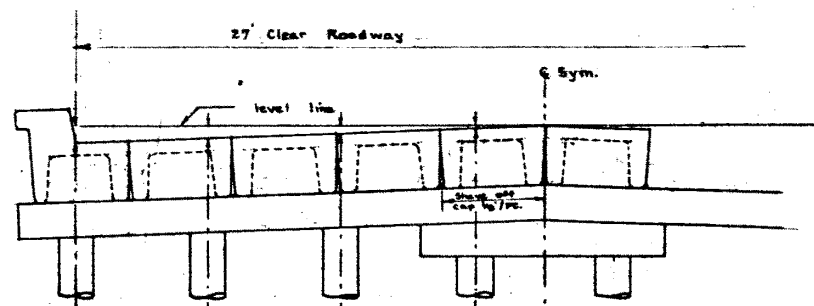
PILE SPACING AND CUT OFFS FOR 45' CLEAR, CROWNED RDWY, 0% GRADE

Scale N.T.S.



	Pile spacing						No. piles	Cap length	
No Skew	4'	3'	2 1/2'	1 3/4'	3/4'	0	4'-0"	10	20'
15° Skew	4'	3'	2 1/2'	1 3/4'	3/4'	0	4'-1 1/2"	10	20'-6"
30° Skew	4'	3'	2 1/2'	1 3/4'	3/4'	0	4'-7 1/2"	10	23'
45° Skew	4'	3'	2 1/2'	1 3/4'	3/4'	0	4'-7 1/2"	12	28'-6" (1-14', 1-14'-6")

* For half width

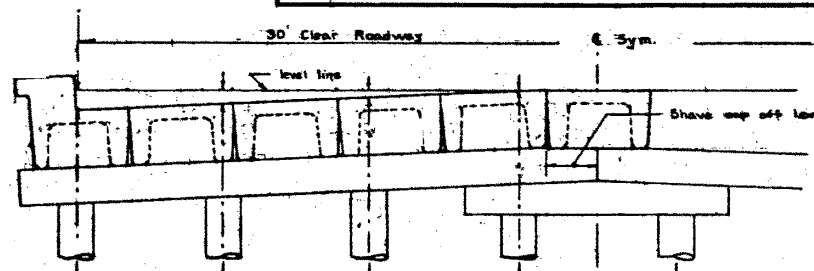


	Pile spacing						No. piles	Cap length	
No Skew	5'	2 1/2'	1 3/4'	3/4'	0	0	5'-10 1/2"	8	15'
15° Skew	5'	2 1/2'	1 3/4'	3/4'	0	0	4'-0"	8	16'
30° Skew	5'	2 1/2'	1 3/4'	3/4'	0	0	4'-5 1/2"	8	18'
45° Skew	5'	2 1/2'	1 3/4'	3/4'	0	0	4'-2 1/2"	10	22'

* For half width

PILE SPACING AND CUT OFFS FOR 27' CLEAR, CROWNED RDWY, 0% GRADE

Scale N.T.S.



	Pile spacing						No. piles	Cap length	
No Skew	3 3/8"	2 3/8"	1 3/8"	3/8"	0	0	4'-3 3/8"	8	17'
15° Skew	3 3/8"	2 3/8"	1 3/8"	3/8"	0	0	4'-5 3/8"	8	17'-6"
30° Skew	3 3/8"	2 3/8"	1 3/8"	3/8"	0	0	4'-11 1/8"	8	20'
45° Skew	3 3/8"	2 3/8"	1 3/8"	3/8"	0	0	4'-8 3/8"	10	24'

* For half width

PILE SPACING AND CUT OFFS FOR 30' CLEAR, CROWNED RDWY, 0% GRADE

Scale N.T.S.

SUPERSEDED
SUPERSEDED
BY DWG. S-862

SUBSTRUCTURE LAYOUT
STD. PRECAST SPANS
27, 30, 36, 42, 45 FT. CLEAR ROADWAYS
MAIN HIGHWAYS

GOVERNMENT OF THE PROVINCE OF ALBERTA DEPARTMENT OF HIGHWAYS BRIDGE BRANCH, EDMONTON			
FILE NO.	HWY. NO.	DWG. NO.	
LOCATION	SCALE	5813	
STREAM	SHEET	OF	

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	3/10/63	Added 0% Grade	J.R.H.
2	1/8/63	Added skewed crowned rdwy. on grade	J.R.H.

DESIGNED BY: A.R. HARRIS
DATE: Dec. 12, 1961
CHECKED BY: A.R. HARRIS
DATE: Dec. 12, 1961