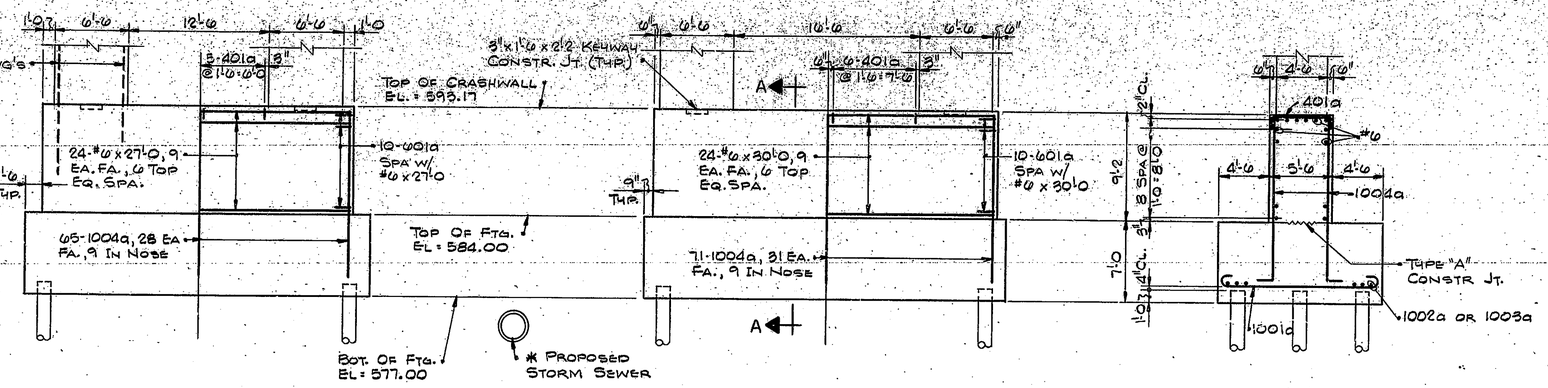
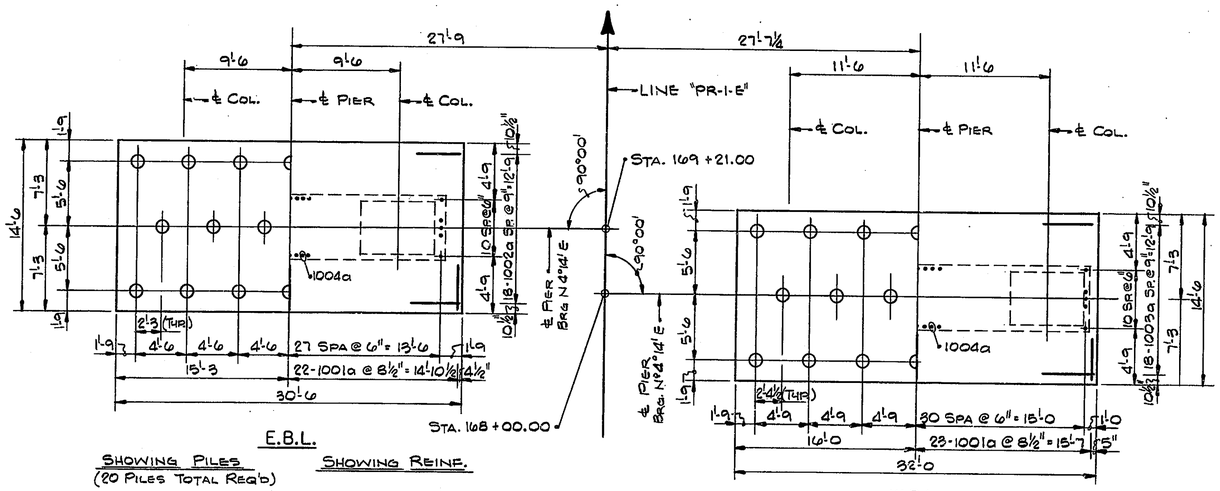


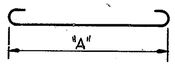
SECTION A A
Scale 3/16" = 1'-0



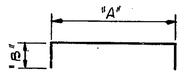
E.B.L.
Showing Piles (20 Piles Total Req'd)
Showing Reinf.

W.B.L.
Showing Piles (20 Piles Total Req'd)
Showing Reinf.

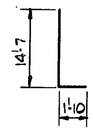
PIER Nº 27
Scale 3/16" = 1'-0



Mark	"A"	"L"
1001a	14'-0	16'-10
1002a	30'-0	32'-10
1003a	31'-6	34'-4



Mark	"A"	"B"	"L"
601a	4'-10	1'-11	8'-8
401c	5'-2	8"	6'-6



1004a X 16'-5

BILL OF MATERIALS

Reinforcing Steel			
Size & Mark	Nº of Bars	Length	Weight (Lbs.)
1001a	88	16'-10	
1002a	18	32'-10	
1003a	18	34'-4	
1004a	268	16'-5	
	Total #10		30,508
601a	40	8'-8	
#6	24	27'-0	
#6	24	30'-0	
	Total #6		2,575
401a	21	6'-6	
	Total #4		91
	Total Reinf.		33,174

Concrete (f'c = 4,000 psi)		Cys.
Ftg. Conc.	E.B.L.	114.7
	W.B.L.	120.3
Total Ftg. Conc.		235.0
Substr. Conc.		
(Crashwall)	E.B.L.	51.4
	W.B.L.	57.0
Total Substr. Conc.		108.4

Miscellaneous	Qty.
E.B.L.; 20 High Capac. Piles @ 75 Lft. Ea. Approx.	1500 Lft.
W.B.L.; 20 High Capac. Piles @ 79 Lft. Ea. Approx.	1580 Lft.

Notes:
For Type "A" Constr. Jt., See Br. Std. C3.
For Reinf. Bar Notes, See Br. Std. C1.
For Additional Notes & Details, See Sht. 201.
* Location of This Line Approximate Only. Contractor To Take Necessary Precautions During Foundation Excavation. Details Are Symm. About ℄ Pier.

N.	Revision	Date

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS
REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS
APRIL 24, 1980

HAMAN D. PATEL REGISTERED No. 13050 STATE OF INDIANA PROFESSIONAL ENGINEER

WALSH CONSTRUCTION COMPANY
A DIVISION OF GUY F. ATKINSON CO.
DARIEN, CONNECTICUT

SHEET TITLE
PIER Nº 27 E.B.L. & W.B.L. FOOTING & CRASHWALL DETAILS
CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2546 CONTRACT NO. B-11812
INDIANA STATE HIGHWAY COMMISSION

SHEET N.
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