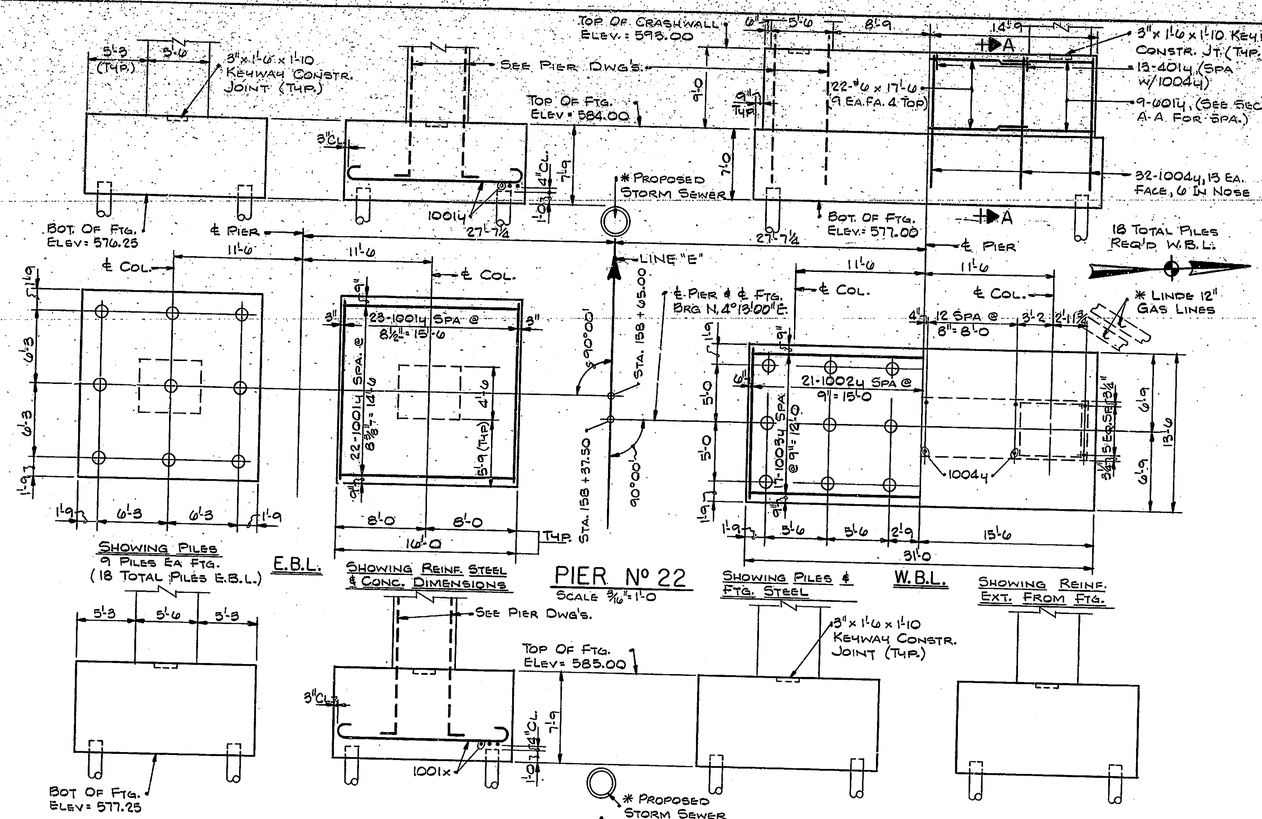
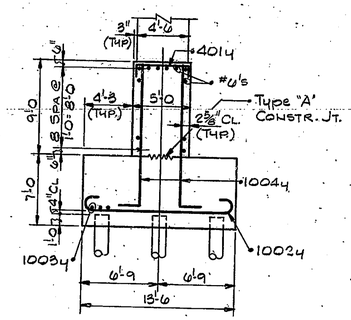
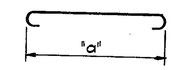
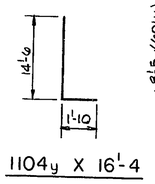
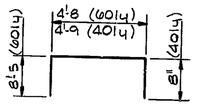






MARK	"a"	"L"
1001x	15'-6	18'-4
1001y	15'-6	18'-4
1002y	13'-0	15'-10
1003y	30'-6	33'-4





601y X 21'-6
401y X 6'-1

BILL OF MATERIALS

PIER Nº 21 REINFORCING STEEL			
SIZE & MARK	Nº OF BARS	LENGTH	WEIGHT (LBS.)
1001x	180	18'-4	
	TOTAL REINF		14,200
CONCRETE (f'_c=4,000 PSI)			CYS.
FTG'S E.B.L. 2 @ 73.5			147.0
FTG'S W.B.L. 2 @ 73.5			147.0
TOTAL FTG. CONC			294.0
MISCELLANEOUS			QTY.
E.B.L.; 18 HIGH CAPACITY PILES @ 79' LFT. EA. (APPROX.)			1422 LFT.
W.B.L.; 18 HIGH CAPACITY PILES @ 80' LFT. EA. (APPROX.)			1440 LFT.

PIER Nº 22 REINFORCING STEEL			
SIZE & MARK	Nº OF BARS	LENGTH	WEIGHT (LBS.)
1001y	90	18'-4	
1002y	41	15'-10	
1003y	17	33'-4	
1004y	64	16'-4	
	TOTAL #10		10,830
601y	18	21'-6	
#6	22	17'-6	
	TOTAL #6		1,160
401y	26	6'-1	
	TOTAL #4		106
	TOTAL REINF.		18,096
CONCRETE (f'_c=4000 PSI)			CYS.
FTG'S E.B.L. 2 @ 73.5			147.0
FTG W.B.L.			108.5
TOTAL FTG. CONC			255.5
SUBSTRUCTURE CONC. (CRASHWALL) W.B.L.			49.2
MISCELLANEOUS			QTY.
36-HIGH CAPACITY PILES @ 78' LFT. EA. (APPROX.)			2808 LFT.
18 STEEL PIPE SLEEVES @ 60' LFT EA. (E.B.L.)			1080 LFT.

NOTES:

FOR REINF. BAR NOTES, SEE BR. STD. C1.
FOR TYPE "A" CONSTR. JT., SEE BR. STD. C3.
FOR ADDITIONAL NOTES AND DETAILS, SEE SHEET 201.
* LOCATION OF THIS LINE APPROXIMATE ONLY. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS DURING FOUNDATION EXCAVATION.

N. | REVISION | DATE

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS

SEPT. 12, 1979

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

SHEET TITLE
PIER Nº 21 & 22 E.B.L. & W.B.L. FOOTING DETAILS

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2548 CONTRACT NO. 9-11612
INDIANA STATE HIGHWAY COMMISSION

SHEET N. 219