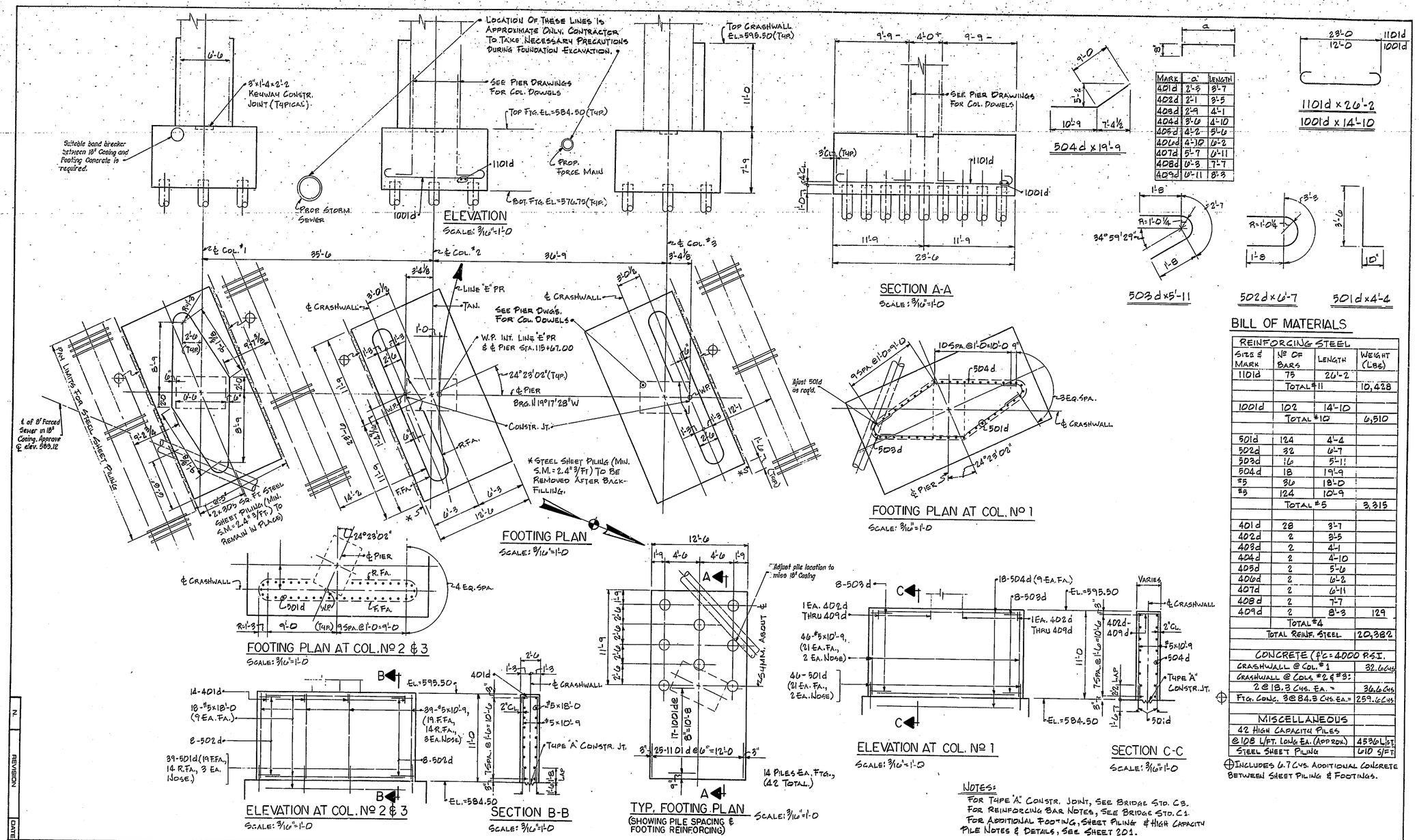

Mark	"a"	Length
401d	2'-3	3'-7
402d	2'-1	3'-5
403d	2'-9	4'-1
404d	3'-6	4'-10
405d	4'-2	5'-6
406d	4'-10	6'-2
407d	5'-7	6'-11
408d	6'-3	7'-7
409d	6'-11	8'-3

BILL OF MATERIALS

Reinforcing Steel			
Size & Mark	No. of Bars	Length	Weight (Lbs)
1101d	75	26'-2	
	Total #11		10,428
1001d	102	14'-10	
	Total #10		6,310
501d	124	4'-4	
502d	32	6'-7	
503d	16	5'-11	
504d	18	19'-9	
#5	36	18'-0	
#3	124	10'-9	
	Total #5		3,315
401d	28	3'-7	
402d	2	3'-5	
403d	2	4'-1	
404d	2	4'-10	
405d	2	5'-6	
406d	2	6'-2	
407d	2	6'-11	
408d	2	7'-7	
409d	2	8'-3	129
	Total #4		
Total Reinf. Steel			20,382
Concrete (f'c=4000 P.S.I.)			
Crashwall @ Col. #1			32.6 Cys.
Crashwall @ Cols #2 & #3:			
2 @ 18.3 Cys. Ea. =			36.6 Cys.
Ftg. Conc. 3 @ 84.3 Cys. Ea. =			259.6 Cys.
Miscellaneous			
42 High Capacity Piles			
@ 108 L/Ft. Long Ea. (Approx.)			4536 L/Ft.
Steel Sheet Piling			610 S/Ft.

⊕ Includes 6.7 Cys. Additional Concrete Between Sheet Piling & Footings.

N	Revision	Date

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS
JULY 26, 1979

Revised Plans
Melvin R. Wyllie Registered No. 13050 State of Indiana Professional Engineer

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

Sheet Title
PIER No 5 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. 204 OF

Rev. 12-14-79 8" Forced Sewer