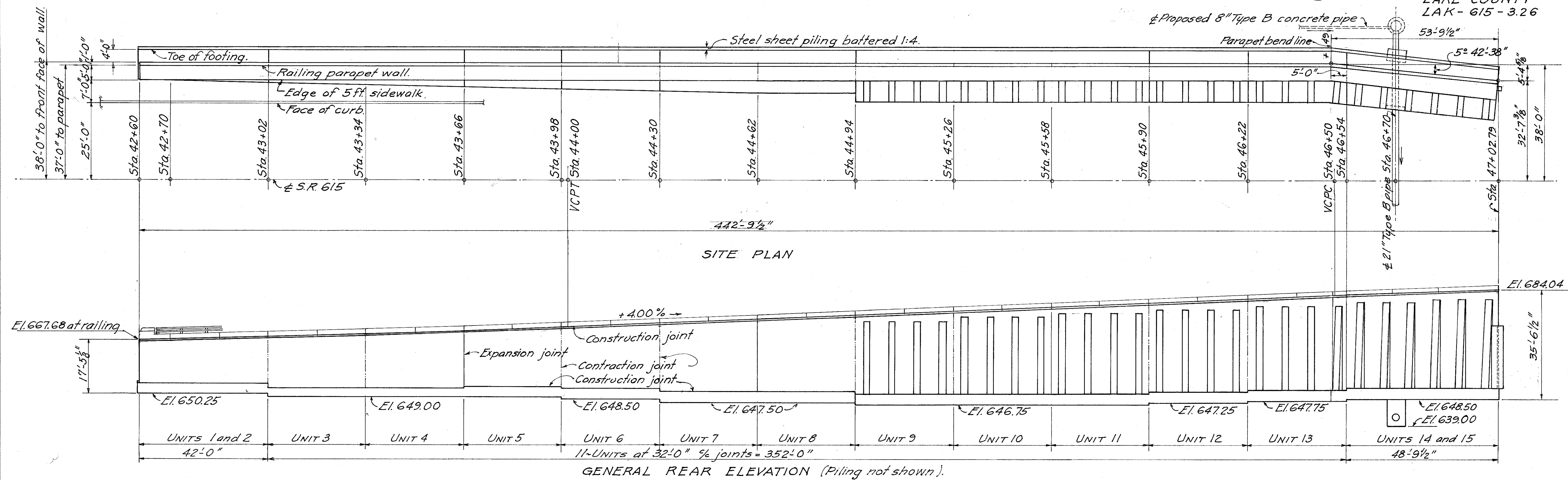


LAKE COUNTY
LAK-615-3.26



ESTIMATED QUANTITIES (RETAINING WALL B). TYPE CODE 7221									
ITEM	TOTAL	UNIT	DESCRIPTION	UNITS					GENERAL
				1,2,3&4	5,6,7,8	9,10	11,12,13	14,15	
503	Lump	Sum	Cofferdams cribs and sheeting.						Lump
503	1,537	cu.yd.	Unclassified excavation.	319	420	256	358	184	
504	4,180	sq.ft.	Steel sheet piling left in place (minimum section modulus of 30.2 in ³ per foot of wall).	756	1,088	736	1,104	496	
505	Lump	Sum	Test pile.						Lump
507	6,250	lin.ft.	12" Cast-in-place reinforced concrete piles.	800	1,500	1,150	1,925	875	
509	163,293	lbs.	Reinforcing steel	14,261	34,677	33,250	52,055	29,050	
511	851	cu.yd.	Class "C" concrete, footings.	149	211	151	225	115	
511	928	cu.yd.	Class "C" concrete, walls.	132	230	158	261	147	
512	11	sq.yd.	Type "B" waterproofing.					11	
512	282	lin.ft.	Premolded sealing strip.	32	83	51	86	30	
516	147	sq.ft.	1/2" Preformed expansion joint filler	35	43	21	32	16	
516	216	sq.ft.	1" Preformed expansion joint filler		94		33	89	
517	443.06	lin.ft.	Railing (concrete parapet with double pipe rail).	106	128	64	96	49.06	
518	604	cu.yd.	Porous backfill.	105	182	90	148	79	

GENERAL NOTES.
 REFERENCE shall be made to Standard Drawing BR-2-67 revised 1-1-71, and to Supplemental Specification Item 836 dated 1-1-71.

DESIGN SPECIFICATIONS: This structure conforms to "Standard Specifications for Highway Bridges" adopted by the American Association of State Highway Officials, 1965 including the Ohio "Supplement" to these specifications.

DESIGN DATA:
 Concrete Class "C" unit stress 1333 psi.
 Reinforcing steel - ASTM A615, A616 or A617 - unit stress 20,000 p.s.i.

PILES shall be driven to a minimum bearing capacity of 45 tons.

UTILITY LINES: All expense involved in relocating (installing) the affected utility lines shall be borne by the Owner(s). The Contractor and Owner(s) are requested to cooperate by arranging their work in such a manner that inconvenience to either would be held to a minimum.

BURGESS & NIPLE LIMITED — CONSULTING ENGINEERS
 COLUMBUS, OHIO

RETAINING WALL "B"
 SITE PLAN
 ESTIMATED QUANTITIES
 AND GENERAL NOTES

STA. 42+60.00
 STA. 47+02.79

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISION
KD	KED	KED	REC	10/18/68	WOR 11-19-68

DEC 11 1970 JUN 26 1970