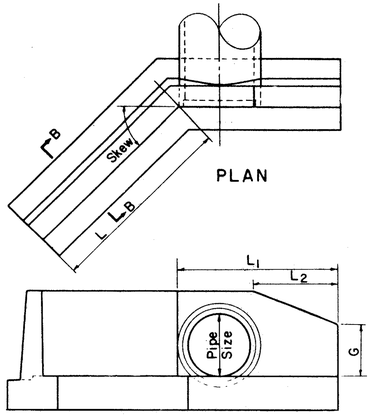
DETAILS - TYPE "B" HEADWALL

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

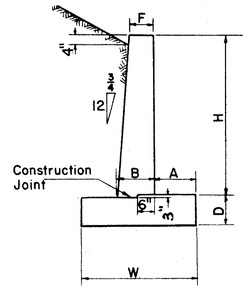
315
379

LAKE COUNTY
LAK-2-10.35



PLAN

ELEVATION



SECTION B-B

HEADWALL DIMENSIONS

STRUCTURE NO.	STATION*	PIPE SIZE	H	L	L_1	L_2	W	A	B		D		F	G
LAK-2-1134	498+94 Lt.&Rt.	76x48	5'-9	11'-0	13'-7	6'-8	4'-9	1'-7½	1'-10½		3'-0		1'-6	4'-0
LAK-2-1205	536+32 Lt.&Rt.	72	8'-10	14'-3	17'-7	7'-1	6'-3	2-4½	2'-1		3'-0		1'-6	4'-11
	23+89.93 Ramp E	72	7'-8	12'-8	15'-7	9'-3	5'-10	2'-2	2'-0		3'-0		1'-6	5'-10
	24+20 Ramp G	72	8'-0	14'-7	17'-3	10'-1	5'-11	2'-2½	2'-0¼		3'-0		1'-6	6'-1
	13+47 Ramp F	72	9'-6	21'-9	13'-3	6'-1	6'-6	2'-6	2'-1¼		3'-0		1'-6	4'-5

REINFORCING STEEL LIST & CONCRETE QUANTITIES

STRUCTURE NO.	STATION*	PIPE SIZE	SKEW	MARK a	NO.	MARK b	NO.	MARK	NO.	MARK d	NO.	MARK ℓ	NO.	MARK ℓ1	NO.	MARK ℓ2	NO.	MARK ℓ3	NO.	MARK	NO.	MARK H	NO.	MARK H1	NO.	MARK H2	NO.	MARK H3	NO.	MARK H4	NO.	MARK h	NO.	MARK h1	NO.	MARK h2	NO.	MARK h3	NO.	MARK h4	NO.			S-4* REINFORCING STEEL LBS.	S-1* CLASS "C" CONCRETE CU. YDS.	STRUCTURE DETAILS SHEET NO.
LAK-2-1134	498 + 94 Lt.	76x48	30°00'	11'-6	8	14'-1	8			5'-0	34	17'-9	4	8'-8	2	10'-8	6	5'-10	8			8'-1	7	7'-11	1	7'-5	1	6'-10	1	6'-4	1	5'-7	7	5'-5	1	4'-11	1	4'-4	1	3'-10	1			782	19.9	304
LAK-2-1134	498 + 94 Rt.	76x48	30°00'	11'-6	8	14'-1	8			5'-0	34	17'-9	4	8'-8	2	10'-8	6	5'-10	8			8'-1	7	7'-11	1	7'-5	1	6'-10	1	6'-4	1	5'-7	7	5'-5	1	4'-11	1	4'-4	1	3'-10	1			782	19.9	304
LAK-2-1205	536 + 32 Lt.	72	32°00'	14'-9	10	18'-1	10			6'-6	44	24'-7	6	7'-10	2	13'-11	8	10'-1	8			11'-2	8	11'-2	1	10'-4	1	9'-7	1	8'-10	1	8'-8	8	8'-8	1	7'-10	1	7'-1	1	6'-4	1	Cont.		1511	37.2	305
LAK-2-1205	536 + 32 Rt.	72	32°00'	14'-9	10	18'-1	10			6'-6	44	24'-7	6	7'-10	2	13'-11	8	10'-1	8			11'-2	8	11'-2	1	10'-4	1	9'-7	1	8'-10	1	8'-8	8	8'-8	1	7'-10	1	7'-1	1	6'-4	1	Cont.		1511	37.2	305
	23+89.93 Ramp E	72	16°45'	13'-2	10	16'-1	10			6'-1	40	18'-10	4	11'-3	2	12'-4	8	8'-11	10			10'-0	7	9'-11	1	9'-7	1	9'-3	1	8'-10	1	7'-6	7	7'-5	1	7'-1	1	6'-9	1	6'-4	1	Cont.		1202	26.4	311
	24+20 Ramp G	72	19°00'	15'-1	10	17'-9	10			6'-2	44	21'-7	4	12'-1	2	14'-3	8	9'-9	10			10'-4	8	10'-3	1	9'-10	1	9'-6	1	9'-2	1	7'-10	8	7'-9	1	7'-4	1	7'-0	1	6'-8	1	Cont.		1348	34.3	310
	13+47 Ramp F	72	42°30'	22'-3	10	13'-9	10			6'-9	48	28'-9	6	9'-8	2	21'-5	8	5'-9	8			11'-10	12	11'-9	1	10'-1	1	8'-5	1	6'-9	1	9'-4	12	9'-3	1	7'-7	1	5'-11	1	4'-3	1			1759	43.7	310