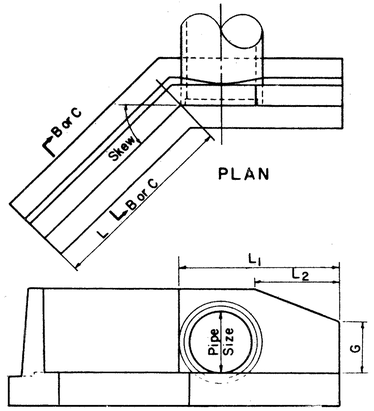
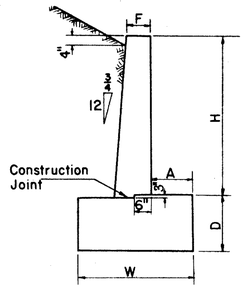
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

LAKE COUNTY
LAK-1-6.97

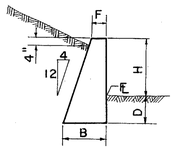




SECTION B-B

HEADWALL DIMENSIONS

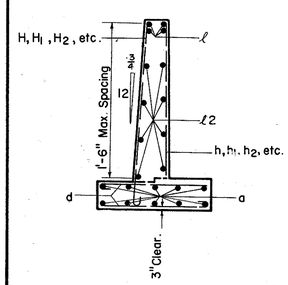
STRUCTURE NO.	STATION	PIPE SIZE	H	L	L_1	L_2	W	A	B	C	D	E	F	G
LAK-1-0725	26 + 04 LT.	36"	4'-0"	6'-0"	7'-6"	4'-2"	3'-6"	1'-0"			3'-0"		1'-6"	2'-0"
LAK-1-0725	26 + 04 RT.	36"	4'-0"	7'-6"	8'-0"	4'-8"	3'-6"	1'-0"			3'-0"		1'-6"	2'-8"
LAK-1-1026	187 + 30 LT.	48"	5'-3"	7'-6"	11'-0"	6'-7"	4'-6"	1'-5"			3'-0"		1'-6"	4'-6"
LAK-1-1026	187 + 30 RT.	48"	5'-3"	7'-6"	10'-0"	5'-7"	4'-6"	1'-5"			3'-0"		1'-6"	3'-9"
	68 + 77 LT.	27"	3'-6"	6'-6"	5'-6"	2'-8"			3'-2"		3'-0"		1'-0"	1'-11"
	82 + 50 LT.	18"	2'-5"	5'-6"	4'-10"	3'-6"			2'-9 5/8"		3'-0"		1'-0"	2'-1"
	192 + 46 LT.	24"	2'-11"	5'-0"	5'-0"	2'-6"			2'-11 5/8"		3'-0"		1'-0"	2'-3"



SECTION C-C

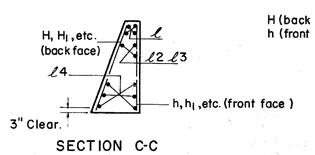
REINFORCING STEEL LIST & CONCRETE QUANTITIES

STRUCTURE NO.	STATION	PIPE SIZE	SKEW	MARK a	NO.	MARK b	NO.	MARK c	NO.	MARK d	NO.	MARK ℓ	NO.	MARK ℓ1	NO.	MARK ℓ2	NO.	MARK ℓ3	NO.	MARK ℓ4	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-1-0725	26 + 04 LT.	36"	33° R.F.	6'-6"	6	8'-0"	6			3'-9"	20	9'-2"	4	6'-6"	2	5'-8"	6	3'-10"	6			7'-2"	4	7'-2"	1	6'-3"	1	5'-4"	1			3'-8"	4	3'-8"	1	2'-9"	1	1'-10"	1			354	7.8	219
LAK-1-0725	26 + 04 RT.	36"	33° R.F.	8'-0"	6	8'-6"	6			3'-9"	22	10'-8"	4	6'-9"	2	7'-2"	6	4'-4"	6			7'-2"	5	7'-2"	1	6'-9"	1	6'-4"	1	6'-0"	1	3'-8"	5	3'-8"	1	3'-3"	1	2'-10"	1	2'-6"	1	417	9.1	219
LAK-1-1026	187 + 30 LT.	48"	11° R.F.	7'-8"	8	11'-2"	8			4'-9"	26	11'-9"	4	8'-6"	2	7'-2"	6	6'-3"	8			8'-5"	5	8'-5"	1	8'-2"	1	8'-0"	1	7'-10"	1	4'-11"	5	4'-11"	1	4'-8"	1	4'-6"	1	4'-4"	1	572	13.8	222
LAK-1-1026	187 + 30 RT.	48"	11° R.F.	7'-8"	8	10'-2"	8			4'-9"	26	11'-9"	4	7'-8"	2	7'-2"	6	5'-3"	8			8'-5"	5	8'-5"	1	7'-11"	1	7'-6"	1	7'-1"	1	4'-11"	5	4'-11"	1	4'-5"	1	4'-0	1	3'-7"	1	551	13.0	222
	68 + 77 LT.	27"	34° R.F.									9'-2"	4	5'-0"	2	6'-2"	4	2'-4"	6	11'-8"	6	6'-5"	5	6'-5"	1	5'-6"	1	4'-9"	1			6'-1"	5	6'-1"	1	5'-3"	1	4'-6"	1			261	5.7	19
	82 + 50 LT.	18"	35° R.F.									6'-8"	4	5'-4"	2	5'-2"	2	3'-2"	6	10'-0"	6	5'-3"	4	5'-3"	1	5'-1"	1	4'-11"	1			5'-0"	4	5'-0"	1	4'-10"	1	4'-8"	1			206	3.9	20
	192 + 46 LT.	24"	16° L.F.									7'-4"	4	4'-4"	2	4'-8"	4	2'-2"	6	9'-8"	6	5'-10"	3	5'-10"	1	5'-5"	1	5'-1"	1			5'-6"	3	5'-6"	1	5'-2"	1	4'-10"	1			202	4.1	32

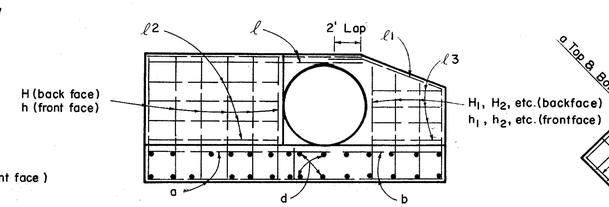


SECTION B-B

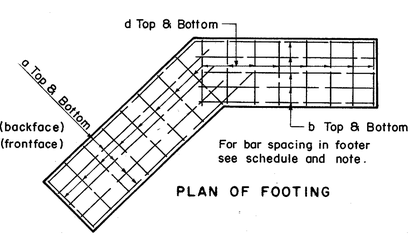
NOTE:
The number of a & b bars shown above shall be equally spaced across the footer.



SECTION C-C

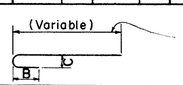


ELEVATION



For bar spacing in footer see schedule and note.

PLAN OF FOOTING



MARK	SIZE	A*	B	C
ALL H BARS	VARIES		4 3/4"	4 1/4"
d	5/8		4 3/4"	4 1/4"

*Varies

NOTE:
Variable length as shown is length of H bar shown above less 7 3/16"

NOTE:
For additional information see Std. Constr. Dwgs. Hdwl. A, B & C.
Mark ℓ and ℓ4 bars to be bent in field.

*NOTE:
Quantities shown are for one Hdwl.
Vertical Bars spaced @ 2'-0" c-c.
Horizontal Bars spaced @ 1'-6" c-c Max.

Reinforcing shall have 2" clearance unless otherwise indicated.