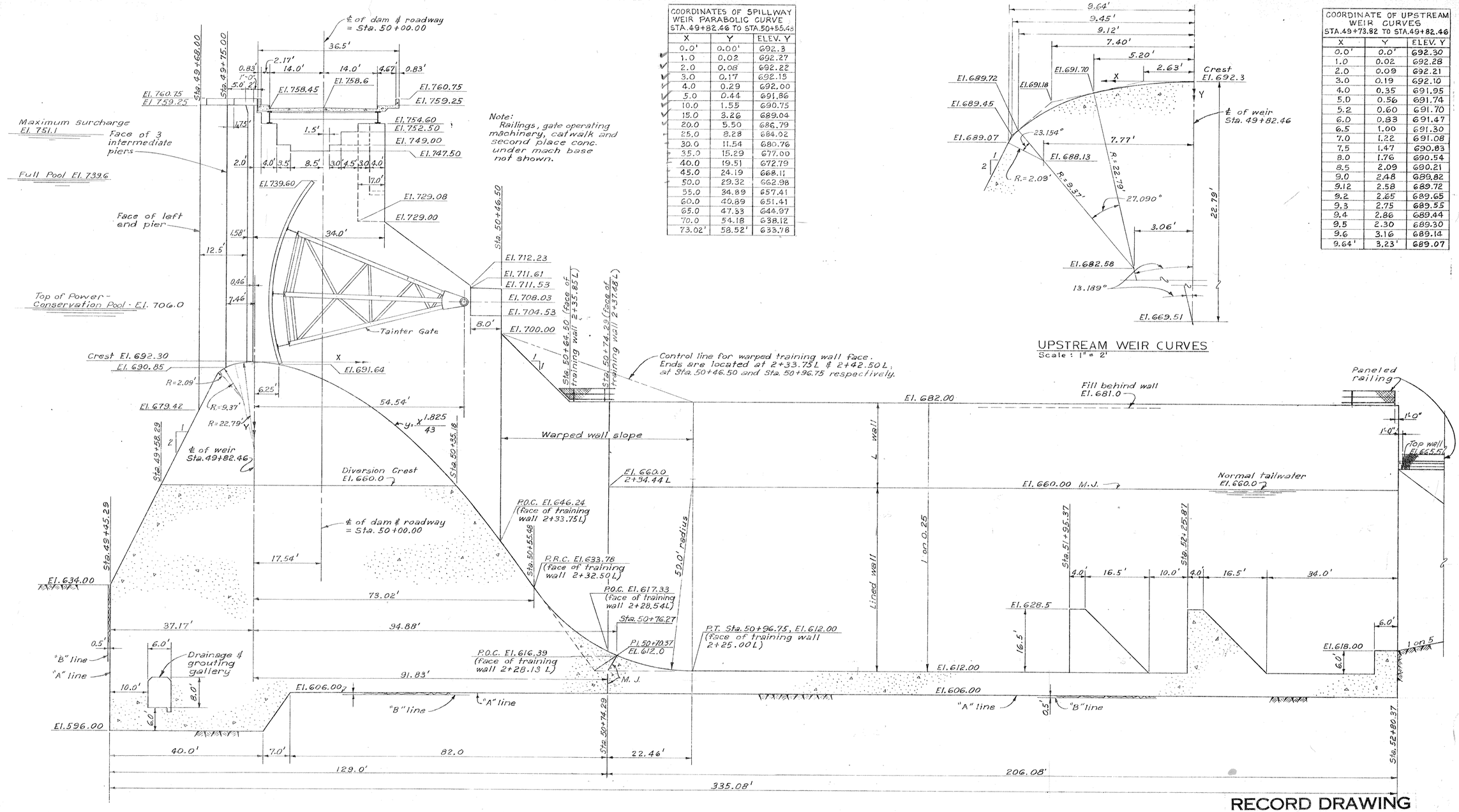
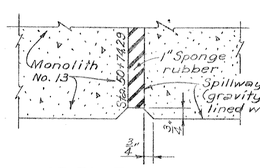


COORDINATES OF SPILLWAY WEIR PARABOLIC CURVE STA. 49+82.46 TO STA. 50+55.48		
X	Y	ELEV. Y
0.0'	0.00'	692.3
1.0	0.02	692.27
2.0	0.08	692.22
3.0	0.17	692.15
4.0	0.29	692.00
5.0	0.44	691.86
10.0	1.55	690.75
15.0	3.26	689.04
20.0	5.50	686.79
25.0	8.28	684.02
30.0	11.54	680.76
35.0	15.29	677.00
40.0	19.51	672.79
45.0	24.19	668.11
50.0	29.32	662.98
55.0	34.89	657.41
60.0	40.89	651.41
65.0	47.33	644.97
70.0	54.18	638.12
73.02'	58.52'	633.78

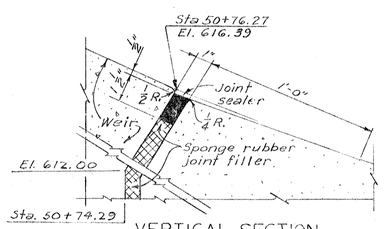
UPSTREAM WEIR CURVES
Scale: 1" = 2'

COORDINATE OF UPSTREAM WEIR CURVES STA. 49+73.82 TO STA. 49+82.46		
X	Y	ELEV. Y
0.0'	0.0'	692.30
1.0	0.02	692.28
2.0	0.09	692.21
3.0	0.19	692.10
4.0	0.35	691.95
5.0	0.56	691.74
5.2	0.60	691.70
6.0	0.83	691.47
6.5	1.00	691.30
7.0	1.22	691.08
7.5	1.47	690.83
8.0	1.76	690.54
8.5	2.09	690.21
9.0	2.48	689.82
9.12	2.58	689.72
9.2	2.65	689.65
9.3	2.75	689.55
9.4	2.86	689.44
9.5	2.30	689.30
9.6	3.16	689.14
9.64'	3.23'	689.07



HORIZONTAL SECTION
EXPANSION JOINT BETWEEN MONOLITH NO. 13 AND SPILLWAY TRAINING WALL
Scale: 1/4" = 0'-1"

COORDINATES OF STILLING BASIN SIMPLE CURVE STA. 50+55.48 TO STA. 50+96.75	
STATION	ELEVATION
50+55.48	633.78
50+60.00	628.10
50+65.00	623.38
50+70.00	619.76
50+75.00	616.98
50+80.00	614.89
50+85.00	613.40
50+90.00	612.46
50+95.00	612.03
50+96.75	612.00



VERTICAL SECTION
EXPANSION JOINT BETWEEN WEIR AND STILLING BASIN
Scale: 3" = 1'-0"

SECTION
Scale: 1" = 10'

REFERENCE DWGS.

Stilling Basin plan	G5
Spillway Details	G18
Monolith No. 9	G20
Monolith No's. 10, 11, and 12	G22
Monolith No. 13	G26
Miscellaneous Pier details	G35
Galleries	G41
Spillway Training wall	G66
Tainter Gates	G85
Bridge	G116

RECORD DRAWING

JANUARY 1974
CONTRACT NO. DACW41-71-C-0043

SYM.	DESCRIPTION	DATE	APP'D.
	Revised for "As Built" conditions	2/22/84	[illegible]
	REVISIONS		

OSAGE RIVER BASIN
KAYSINGER BLUFF RESERVOIR
STAGE III CONSTRUCTION

SPILLWAY SECTION AND CURVE DATA

Dwg. No. G4
CORPS OF ENGINEERS
KANSAS CITY DISTRICT

Scale: as shown
U. S. ARMY
AUGUST 1970

Submitted: CHIEF, RESERVOIR STRUCTS. SECT.
Recommended: CHIEF, DESIGN BRANCH
Approved: CHIEF, ENGINEERING DIVISION

DESIGNED BY: M.D.J. DRAWN BY: J.A.P. CHECKED BY: M.D.J.
FILE NO. O-12-1866

O. & M. M. PLATE NO. 194