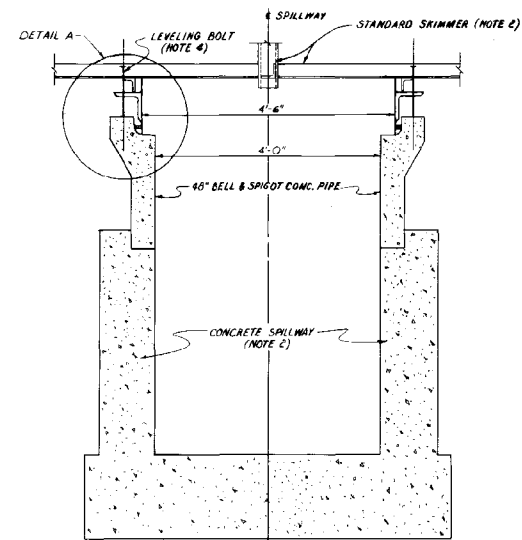


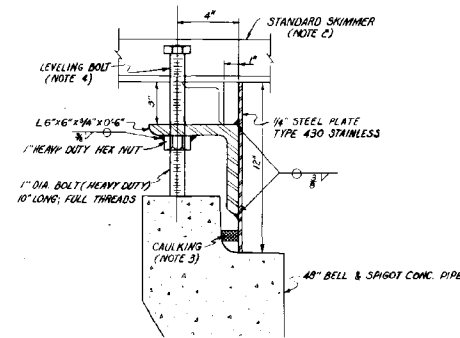
PLAN  
SCALE: 1"=1'



SECTION A-A  
SCALE: 1"=1'

**WEIR DISCHARGE  
IN CUBIC FEET PER SECOND**

HEAD IN FEET	0.0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0	0.04	0.11	0.21	0.35	0.52	0.72	0.95	1.20	1.54
0.1	1.54	1.75	1.97	2.20	2.44	2.70	2.96	3.24	3.52	3.81
0.2	4.11	4.41	4.72	5.04	5.36	5.69	6.04	6.38	6.73	7.10
0.3	7.47	7.85	8.23	8.62	9.00	9.41	9.82	10.2	10.6	11.1
0.4	11.5	11.9	12.4	12.8	13.3	13.7	14.2	14.7	15.1	15.6
0.5	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.7
0.6	21.2	21.7	22.3	22.8	23.4	23.9	24.5	25.0	25.6	26.2
0.7	26.7	27.3	27.9	28.5	29.1	29.7	30.3	30.9	31.5	32.1
0.8	32.7	33.4	34.0	34.6	35.2	35.9	36.5	37.2	37.8	38.5
0.9	39.1	39.8	40.4	41.1	41.8	42.5	43.1	43.8	44.5	45.2
1.0	45.9									



DETAIL A  
3 REQUIRED  
SCALE: 3"=1'-0"

- NOTES:
1. ALL CONNECTIONS TO BE WELDED.
  2. FOR SKIMMER AND SPILLWAY DETAILS SEE STD. DMS. 10N422.
  3. CAULKING SHALL EXTEND COMPLETELY AROUND THE WEIR AND FORM A WATER TIGHT SEAL.
  4. WHEN THE WEIR IS INSTALLED THE TOP SHALL BE LEVELLED WITH THE USE OF LEVELING BOLTS.

REFERENCE DRAWING: 10N422 ASH DISPOSAL SPILLWAY

SCALE AS NOTED

**BILL OF MATERIAL**

ITEM	DESCRIPTION	NO. QUANT.	NO. QUANT.	TOTAL REQR.
ANGLES	6" x 6" x 3/4" x 0-6"	5	3	18
BOLTS	1" x 10" HEAVY DUTY (FULL THREADS) NUT	6	3	18
STEEL PLATE	12" x 14" x 1/2" TYPE 304 STAINLESS	6	1	6
CAULKING	BY FIELD			

STANDARD DRAWING

**WEIR FOR ASH DISPOSAL  
SPILLWAY**

KINGSTON STEAM PLANT  
TENNESSEE VALLEY AUTHORITY  
DIVISION OF ENGINEERING DESIGN

DESIGNED BY <i>Robert J. Brown</i>	RECOMMENDED BY <i>John S. Brown</i>	APPROVED BY <i>G. L. Buchanan</i>
DATE: 5-20-76	HR: 36	NO: 10N423

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE  
*Robert J. Brown*  
DESIGN PROJECT MANAGER

COMPANION DRAWING: 10N420, N421, N422  
HWT PROJECT 2102

NO.	DATE	BY	CHKD	APPV	REVISION
1					

ORIGINAL - DO NOT USE