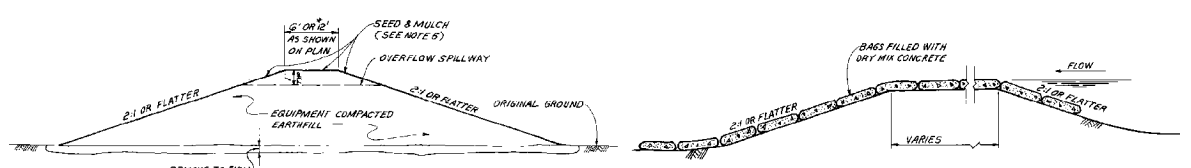
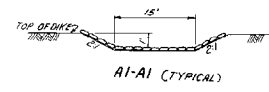


POOL ELEVATION  
 NORMAL LOW WATER EL. 735  
 NORMAL HIGH WATER EL. 741  
 100 YEAR FLOOD EL. 745

**PLAN**



**TYPICAL DIKE SECTION**  
 NOT TO SCALE

**SECTION THRU OVERFLOW SPILLWAY**  
 NOT TO SCALE

* WETLAND AREA	
CELL	ACRES
#1	1.3
#2	1.2
#3	0.9
<b>TOTAL</b>	<b>3.4</b>

- NOTES:**
- DISCHARGE STRUCTURES TO BE FLASHBOARD RISER TYPE MANUFACTURED BY TELLCO CULVERT COMPANY OR EQUAL (DETAILS ON SHEET -2)
  - THE SLOPES ON THE EXISTING DIKES AND THE SLOPES ON THE CELL DIKES SHALL BE SEEDED WITH GRASS AND MULCHED AS DIRECTED BY FIELD REPRESENTATIVE
  - PLANT SHALL CONTINUE TO PROVIDE PUMPS FROM THE DITCH ALONG ROAD UNTIL THE CELL CONSTRUCTION AND PLANTING WORK IS COMPLETED
  - TREATMENT CELLS ARE TO BE UNIFORMLY GRADED TO THE EXTENT PRACTICABLE TO THE DESIRED SURFACE ELEVATION SHOWN IN PROFILE (SHEET -2)
  - BORROW FOR DIKE CONSTRUCTION SHALL BE OBTAINED FROM THE EXISTING BORROW SITE SHOWN ON KEY PLAN. AREAS SCARIFIED DURING CONSTRUCTION AND OUTSIDE OF CELL AREA TO BE SEEDED AND MULCHED
  - EROSION CONTROL MEASURES USING BEST MANAGEMENT PRACTICE SHALL BE USED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD
  - CONSTRUCTION SHALL BEGIN IN LOW PART OF EXTERIOR DIKE (WITH PIPE INSTALLATION) TO COLLECT DRAINAGE FROM CONSTRUCTION DISTURBANCE IN CELL AREAS
  - THE PIPE SIZES HAVE BEEN CHECKED FOR A TEN YEAR STORM EVENT, USING THE RATIONAL METHOD
  - CARE SHALL BE TAKEN DURING THE CONSTRUCTING OPERATION TO SAVE AS MUCH OF THE EXISTING PLANT LIFE AS POSSIBLE IF PLANT LIFE REQUIRING REMOVAL. DURING CONSTRUCTION OPERATIONS SHALL BE STORED AT A SAFE SITE AND REPLANTED IN THE CELL AREAS WETLANDS VEGETATION TO BE PLANTED IN SOLUTION OF ALL TREATMENT CELLS

REV	NO.	DATE	BY	CHKD	DSGN	DRWN	APPD	ISSD	EXCEPT AS NOTED
SCALE: 1" = 50'									
YARD									
<b>REDWATER TREATMENT USING ENGINEERED WETLANDS (MANMADE) SHEET 1</b>									
KINGSTON STEAM PLANT TENNESSEE VALLEY AUTHORITY OFFICE OF ENGINEERING									
DESIGN			DISCIPLINE INTERFACE			ENGINEERING APPROVAL			
DRAWN	CHECKED	DATE	BY	DATE	BY	RE Hann			
AJ SPERBER	W. S. ...	7-28-87	W. S. ...	...					
DESIGNED	REVIEWED	DATE	BY	DATE	BY	KNOXVILLE			
...	...	7-28-87	W. S. ...	...	...	10W440-1			
ISSUED BY: <i>J. H. ...</i>									