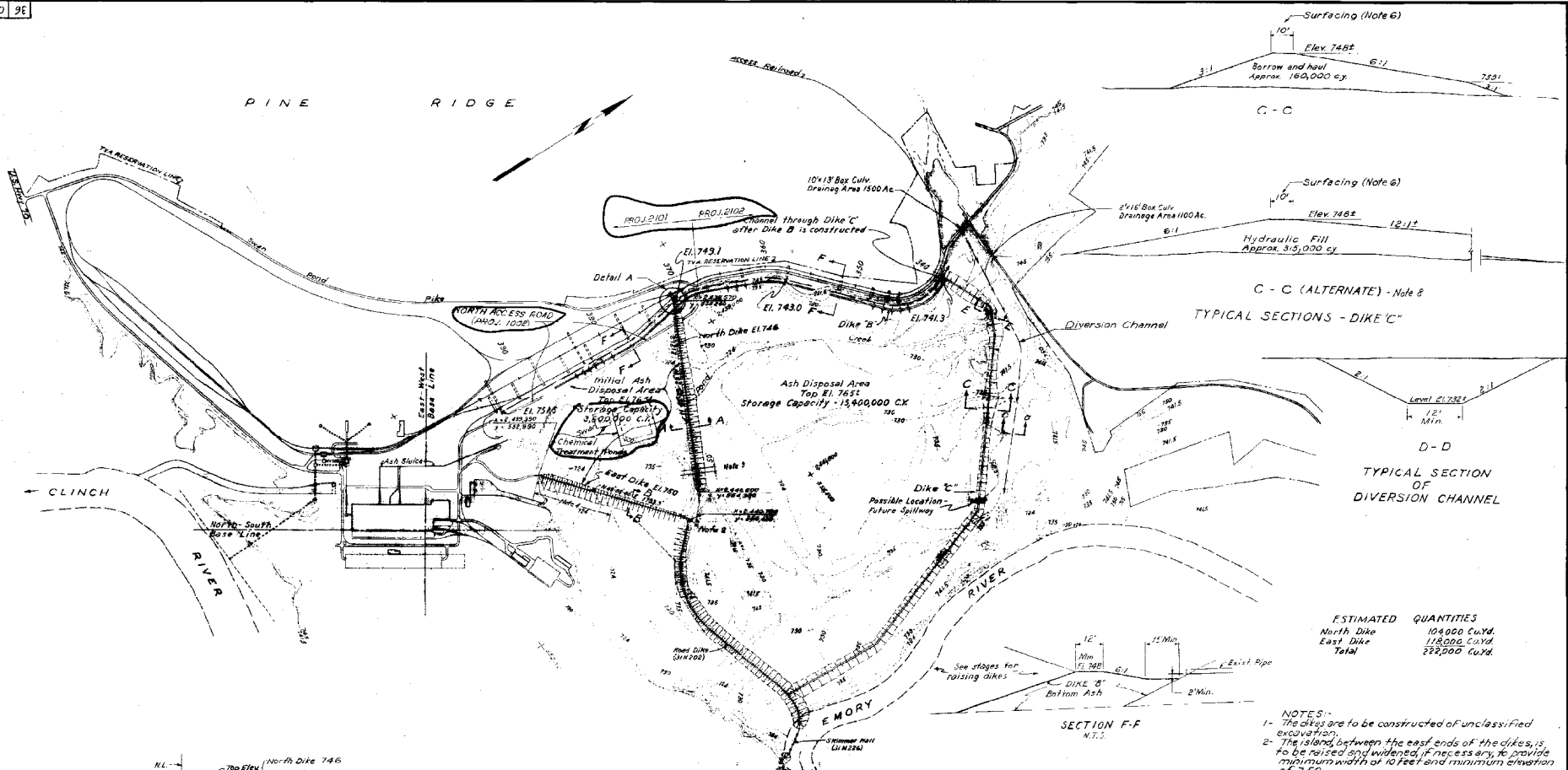


PINE RIDGE



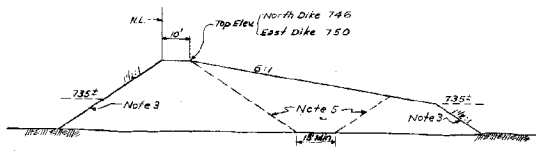
TYPICAL SECTIONS - DIKE "C"

TYPICAL SECTION OF DIVERSION CHANNEL

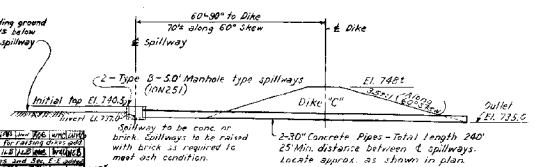
ESTIMATED QUANTITIES

North Dike	104,000 CuYd.
East Dike	118,000 CuYd.
Total	222,000 CuYd.

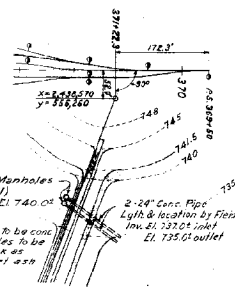
- NOTES:
- The dikes are to be constructed of unclassified excavation.
  - The island between the east ends of the dikes, is to be raised and widened, if necessary, to provide minimum width of 10 feet and maximum elevation of 750.
  - The embankment slopes below elevation 735± are to be the angle of repose of the submerged fill material.
  - Special care is to be taken to select firm shale material to be placed below the water level, of the location indicated, so that slope will not extend into the area of the intake channel.
  - Insofar as it is feasible and practical, the core of the east dike, as indicated, should be constructed of earth and fine material to provide a relatively impervious dam.
  - Top of Dike "C" to be surfaced with slag and ashes, 6" compacted thickness.
  - Quantities shown for Dike "C" are net fill for section shown and do not include shrinkage etc.
  - Section C-C is the minimum section to be used. The slopes shown for the hydraulic fill section are assumed and may be steeper if material can be placed on steeper slopes.
  - Remove existing dike for minimum width of 50 ft and to elevation 742 or lower after Dike "C" has been completed to at least elevation 745.
- Scale: 1"=50' except as noted



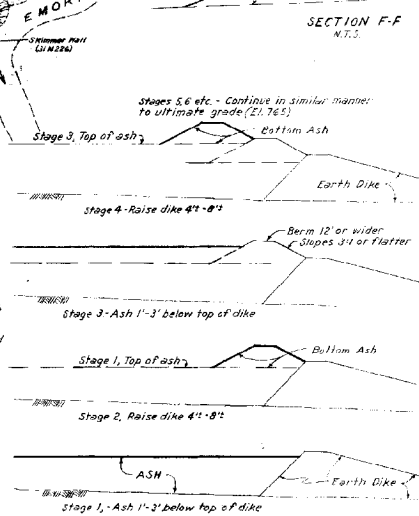
TYPICAL DIKE SECTION A-A and B-B



SECTION E-E Scale: 1"=20'



DETAIL A Scale: 1"=100'



STAGES FOR RAISING DIKES WITH ASHES Scale: 1"=30'

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

GENERAL		
ASH DISPOSAL AREA		
KINGSTON STEAM PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF DESIGN		
SUBMITTED <i>W. T. Calverly</i>	RECOMMENDED <i>A. C. Meyer</i>	APPROVED <i>R. A. Morrow</i>
KNOXVILLE	8-8-51	36   C   4   ION400   86
RECORD DRAWING AS SUBMITTED		7-5-56