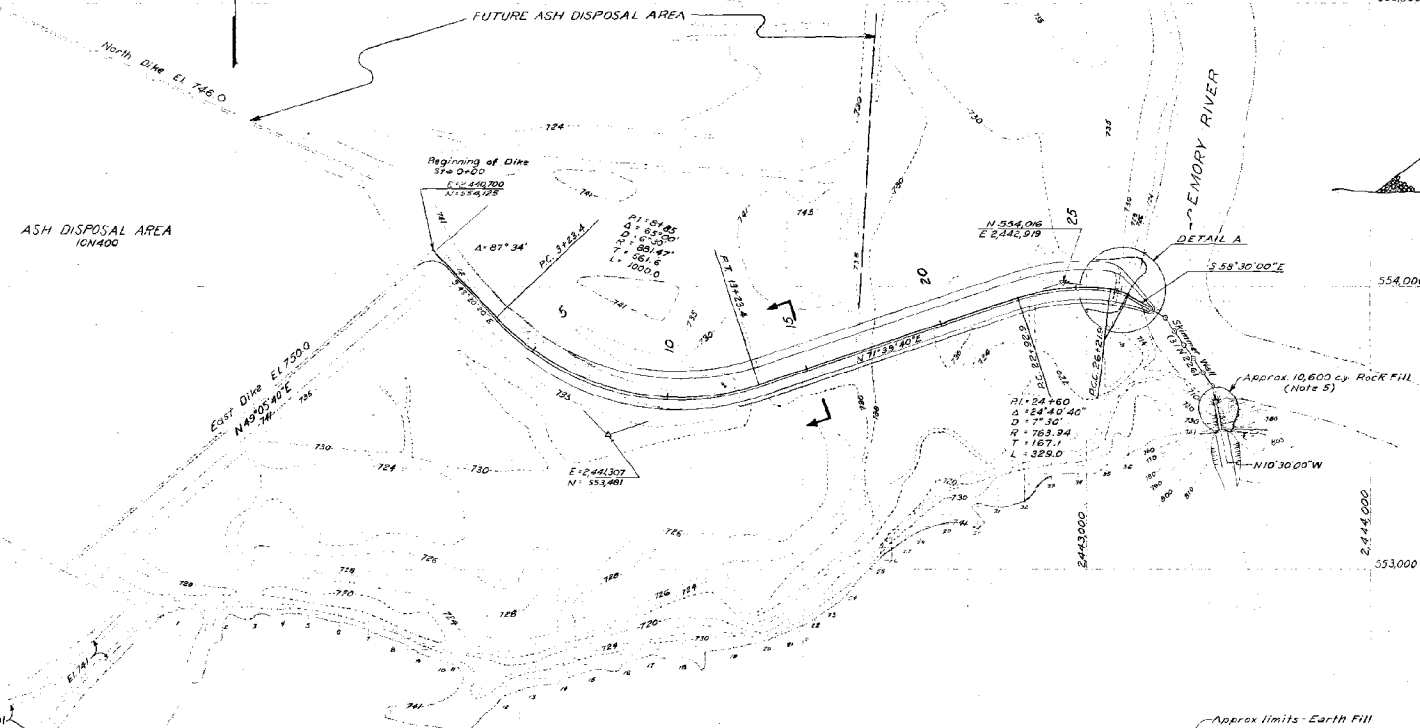
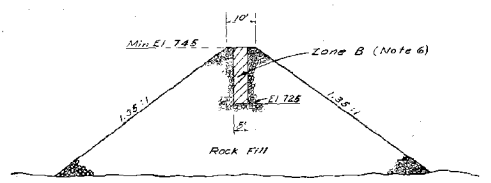
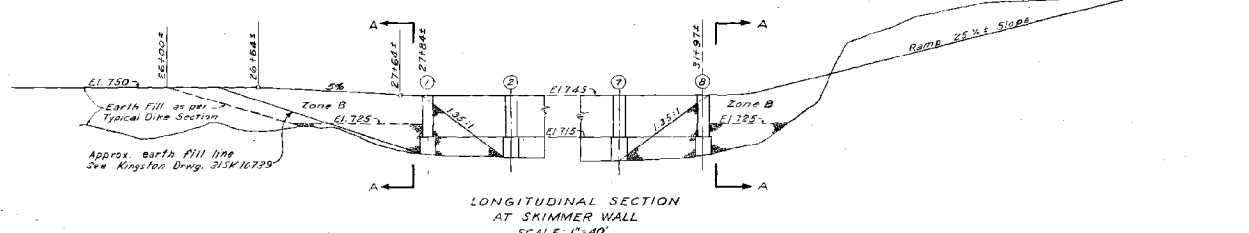


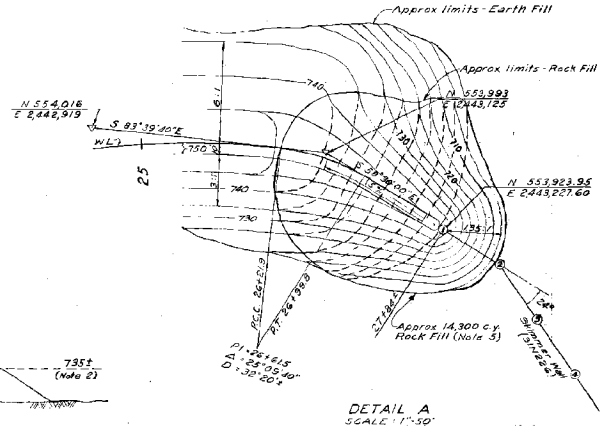
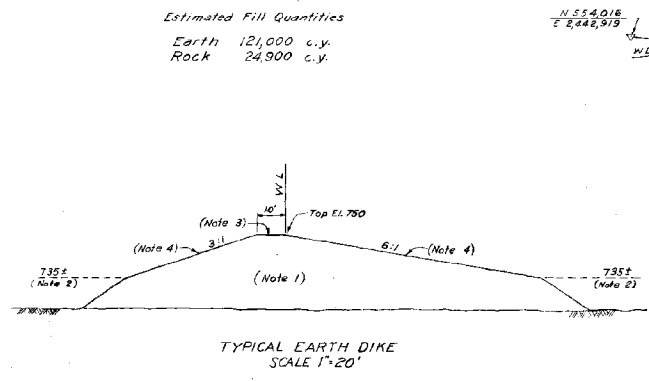
2,443,000

2,441,000

2,441,000



- NOTES:
- The dike between sta 0+00 and 2+400 is to be constructed of unclassified excavation.
 - The embankment slopes of the earth dike below El. 735 are to be the angle of repose of the submerged fill material.
 - Top of earth dike to be surfaced with gravel or slag, 4" thick.
 - Slopes above El. 743 to be sprig sodded with Bermuda grass unless surface is composed of rock fill.
 - All rock fill at skimmer wall abutments to consist of sound quarry run rock with at least 50% of the stones weighing 150 lbs. or more. Earth fill is to be well back of abutment (1) to avoid underwater sloughing of material into water supply channel.
 - The fill in Zone B shall consist of a mixture of quarry run rock and blast furnace slag. Gradation of slag to be within the following limits:
- | Passing | % By Weight |
|----------------|-------------------|
| 1/2 inch sieve | Min 95
Max 100 |
| 3/4 inch sieve | 70 100 |
| No. 4 sieve | 50 65 |
| No. 200 sieve | 0 10 |
- In placing this fill, loads of rock and loads of slag shall be continuously alternated. The ratio shall be 2 parts of quarry run rock to 1 part of slag, measured by volume. Zone B as shown represents the minimum volume of high density fill required.



DATE	3/11/52	BY	J.E.S.
CHKD.	A.P.K.	DATE	3/11/52
APP.		DATE	
CON.		DATE	
REV.	1/1	DATE	3/11/52

Scale: 1"=200' except as noted

WATER SUPPLY	
INTAKE CHANNEL DIKE	
PLAN AND SECTION	
KINGSTON STEAM PLANT	
TENNESSEE VALLEY AUTHORITY	
DIVISION OF DESIGN	
SUBMITTED R.M. Colony	RECOMMENDED A.M. Meyer
APPROVED A.M. Meyer	APPROVED A.M. Meyer
KNOXVILLE	9-19-52 36 C 4 31N202 83
RECORD DRAWING AS CONSTRUCTED	