



- NOTES:**
- RIPRAP Dumped riprap 24" thick shall contain at least 50% of rock weighing 500 lbs or more. Riprap Dumped riprap 18" thick shall contain at least 50% of rock weighing 300 lbs. or more. Riprap 12" thick shall contain at least 50% of rock weighing 40 lbs. or more.
 - GRAVEL Should the dike embankments not contain sufficient gravel to provide an adequate bedding for the riprap, additional gravel is to be added until a minimum blanket 6" thick is obtained.
 - SURFACING Gravel surfacing 4" thick to be applied for the full width of all dikes, except East dike, in accordance with section 210 of the T-1 specs.
 - SLOPE PROTECTION: Willow cuttings to be planted on slopes of West and North Dike, where indicated. The remainder of dike slopes to be planted with Bermuda Sprigging as shown on drawing 10N235.
 - The areas designated for willow planting which are bare of vegetation shall be planted in the fall of 1954 to Italian rye grass at the rate of 50 lbs. per acre. No fertilizer or mulch is required.
 - DIKE FILL in this area shall not contain any Chattanooga shale, Terrace material or chert may be used.

| Item | APPROXIMATE DESIGN QUANTITIES | | | | | |
|---|-------------------------------|-------------------------|------------------|---------------------------|---------------------------|---------------------------|
| | Excavation Earth Cu. Yd. | Excavation Rock Cu. Yd. | Fill Cu. Yd. | Dumped Riprap 12" Cu. Yd. | Dumped Riprap 18" Cu. Yd. | Dumped Riprap 24" Cu. Yd. |
| Harbor Intake Channel [Remove Exist. Sangravl Dike] | 731,900 | 42,200 | | | | |
| West Dike | | | 717,400 | | | |
| North Dike | | | 124,000 | 2,000 | 1,400 | |
| South Dike | | | 164,100 | 3,250 | 4,700 | |
| East Dike * | | | 80,300 | 20,200 | | |
| Sangravl Dike | | | 46,400 | 1,100 | | |
| Totals | 831,100 | 42,200 | 1,132,200 | 27,480 | 8,100 | |

* Does not include fill from sta. 0+00 to sta. 26+00

COMPANION DRAWINGS:
Cross Sections - 10MM 506-513
Scale: 1"=200' Except as noted.

MAIN PLANT

BOAT HARBOR & DIKES

JOHNSONVILLE STEAM PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF DESIGN

| | | | |
|-------------|-------------|-------------|--------------|
| SUBMITTED | RECOMMENDED | REVIEWED | APPROVED |
| W. T. Cabot | A. A. Meyer | R. M. Royal | R. D. Monroe |
| KNOXVILLE | 6-24-49 | 30 C 4 | 10N502 R14 |

Scale: 1"=200' Except as noted.

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| 14 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 |
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