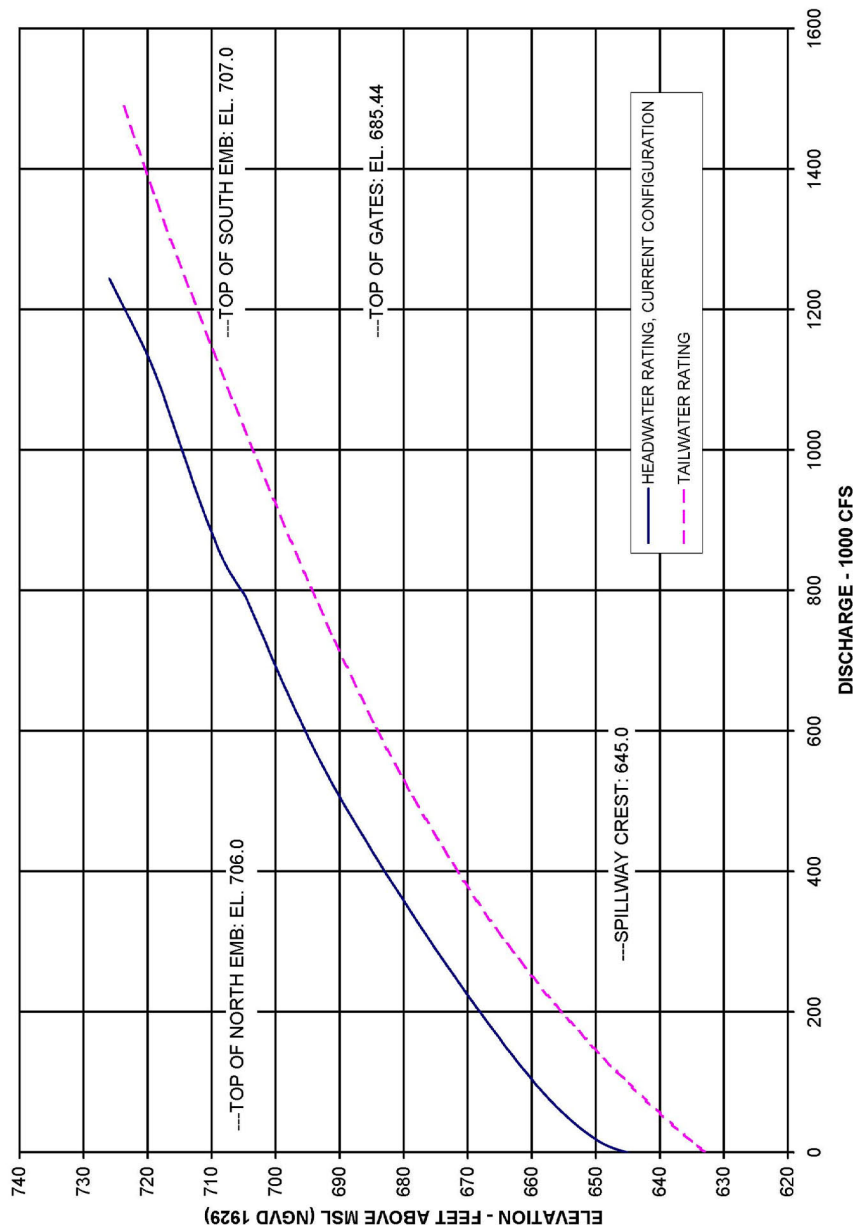




WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Chickamauga Dam
Figure 2.4-11 (Sheet 1 of 13)

Figure 2.4-11 Discharge Rating Curve, Chickamauga Dam (Sheet 1 of 13)

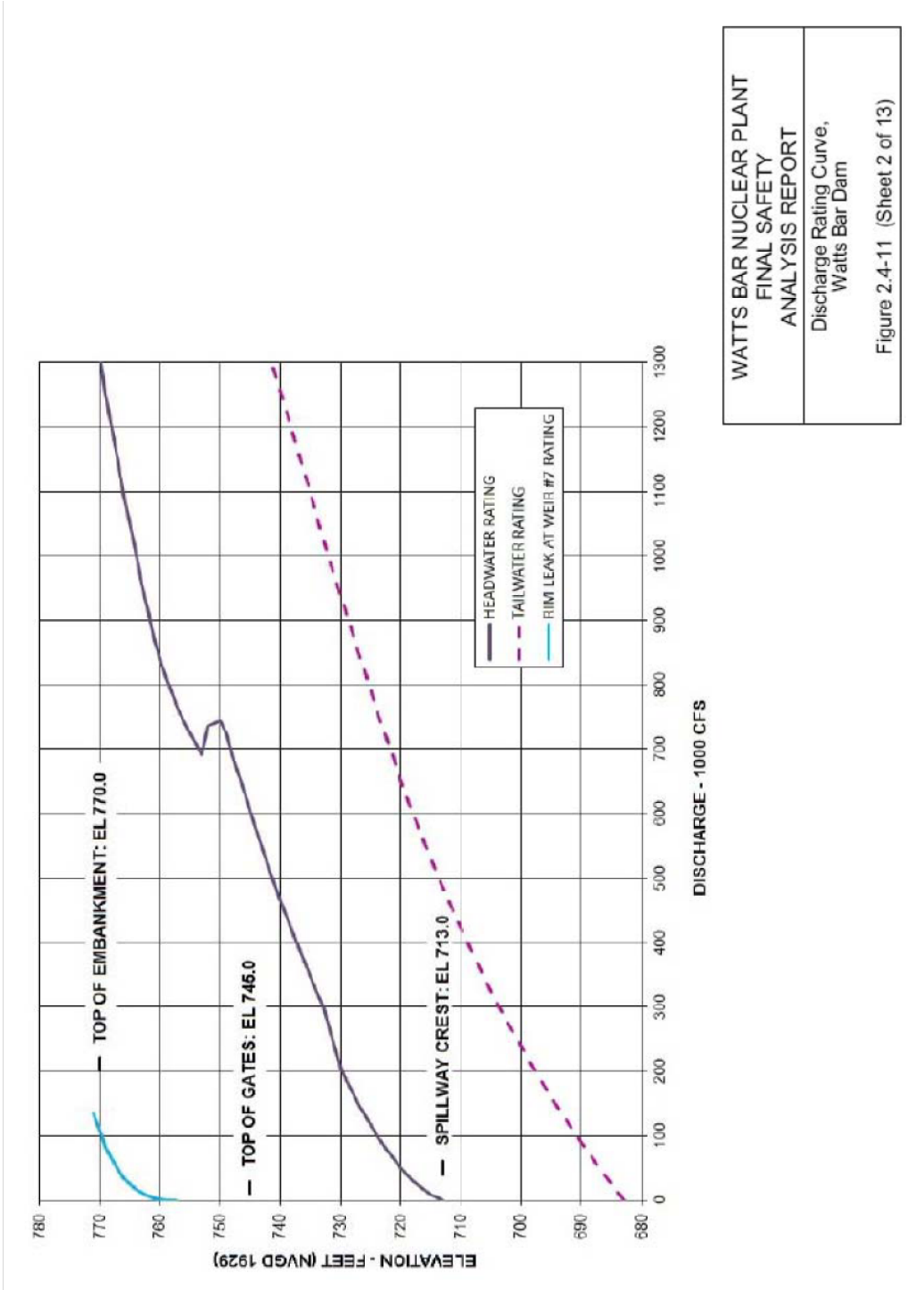


Figure 2.4-11 Discharge Rating Curve, Watts Bar Dam (Sheet 2 of 13)

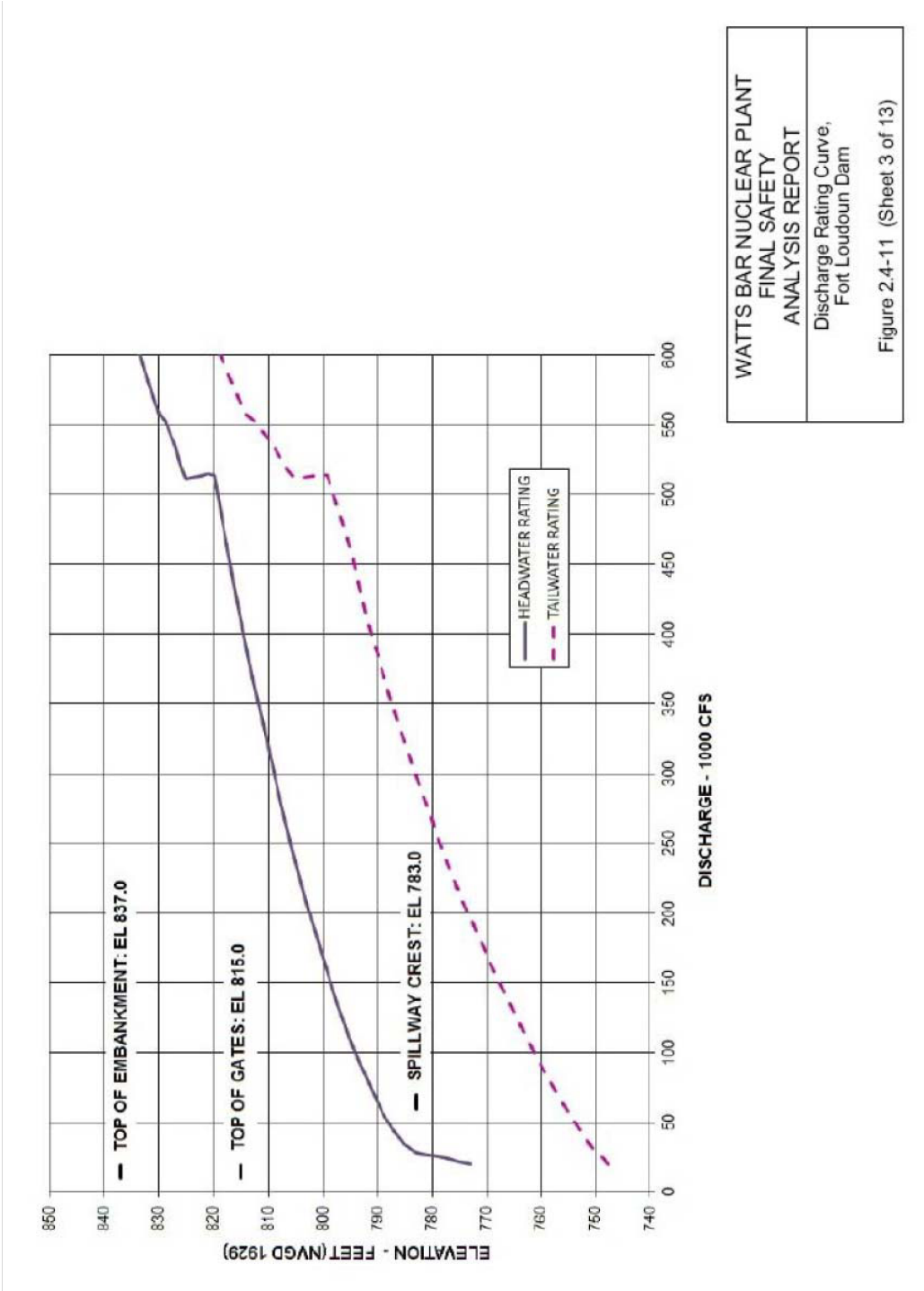


Figure 2.4-11 Discharge Rating Curve, Fort Loudoun Dam (Sheet 3 of 13)

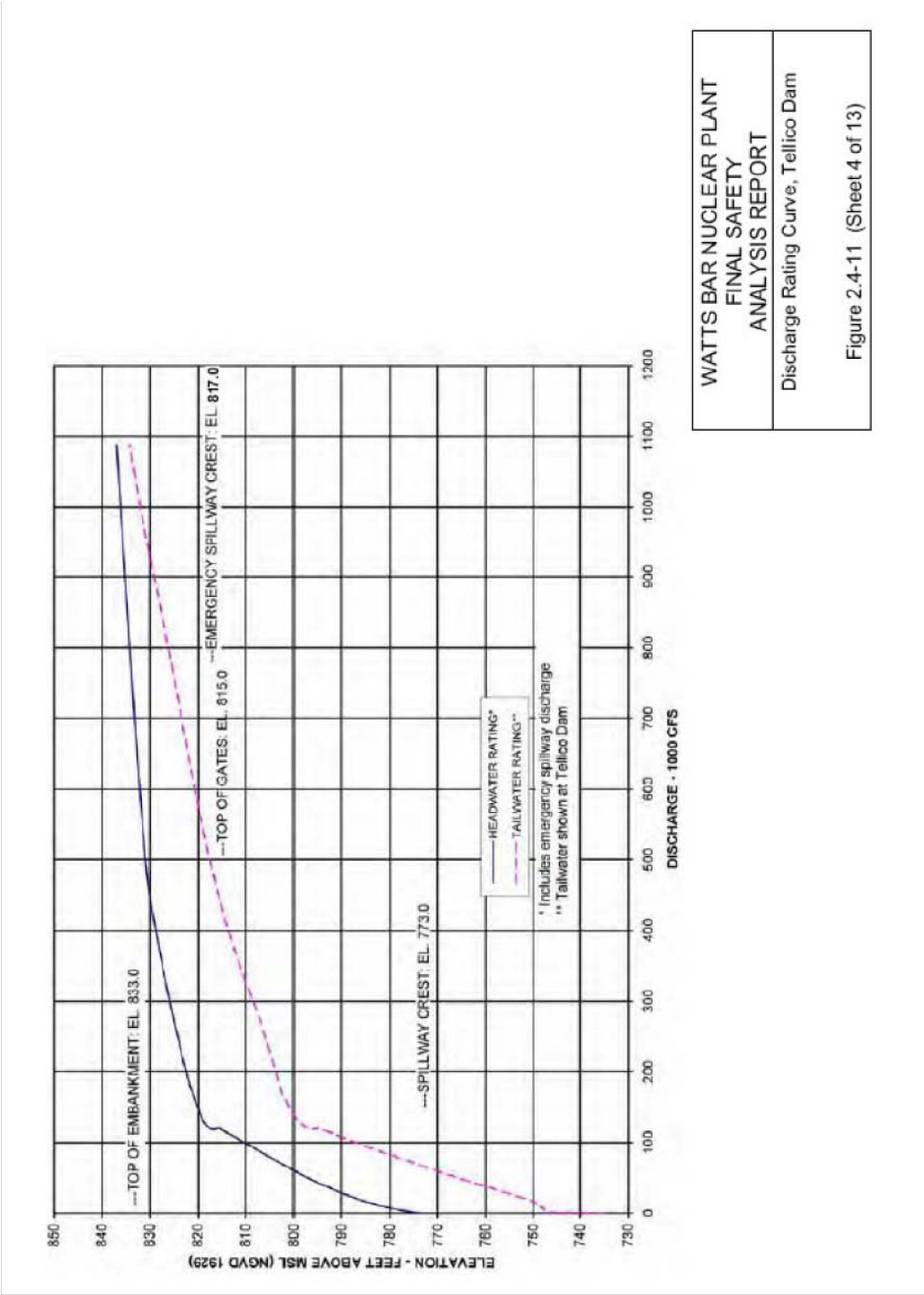
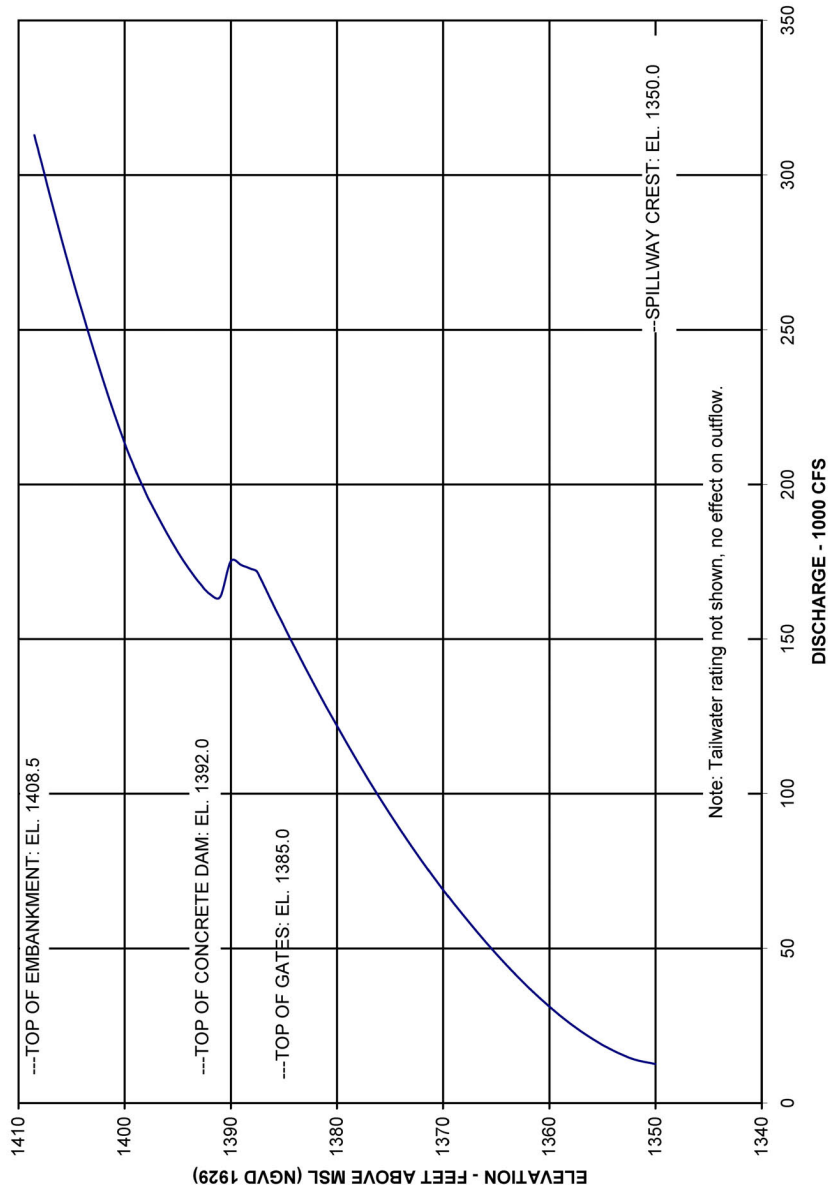


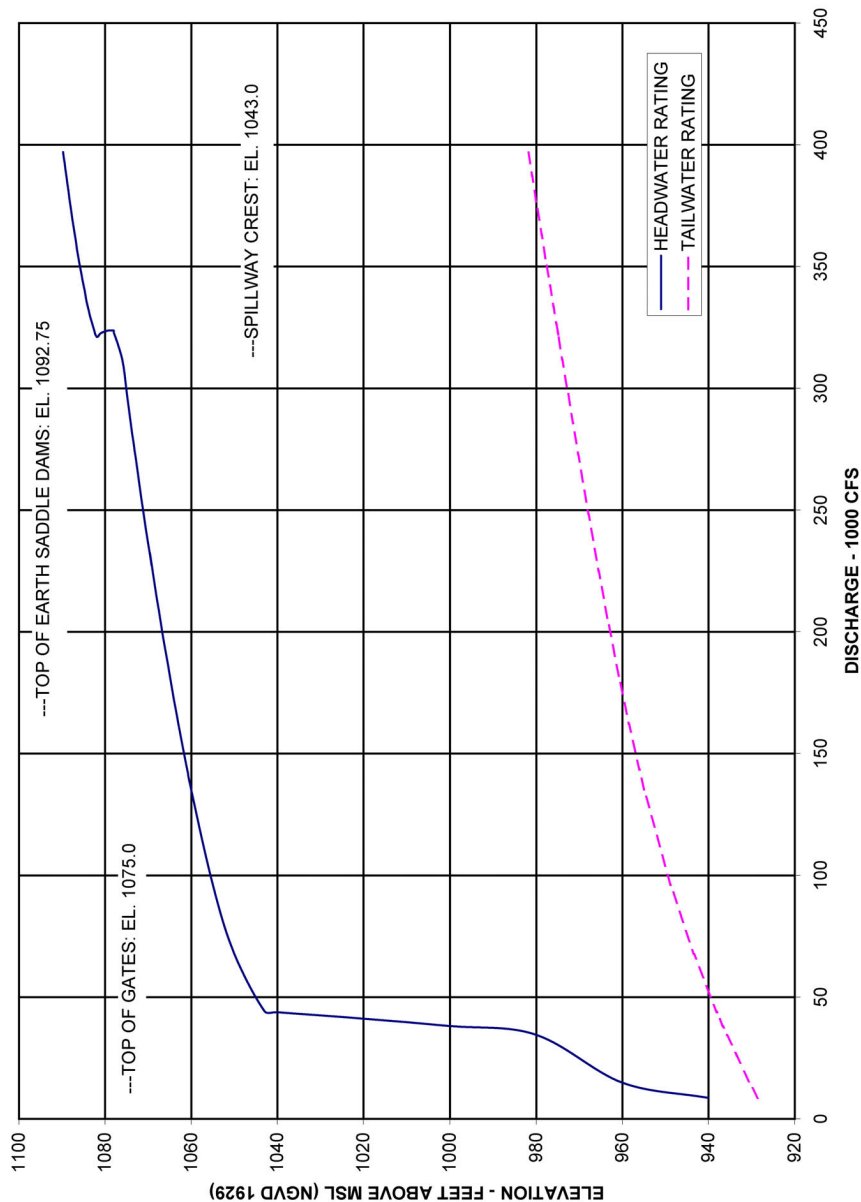
Figure 2.4-11 Discharge Rating Curve, Tellico Dam (Sheet 4 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Boone Dam

Figure 2.4-11 (Sheet 5 of 13)

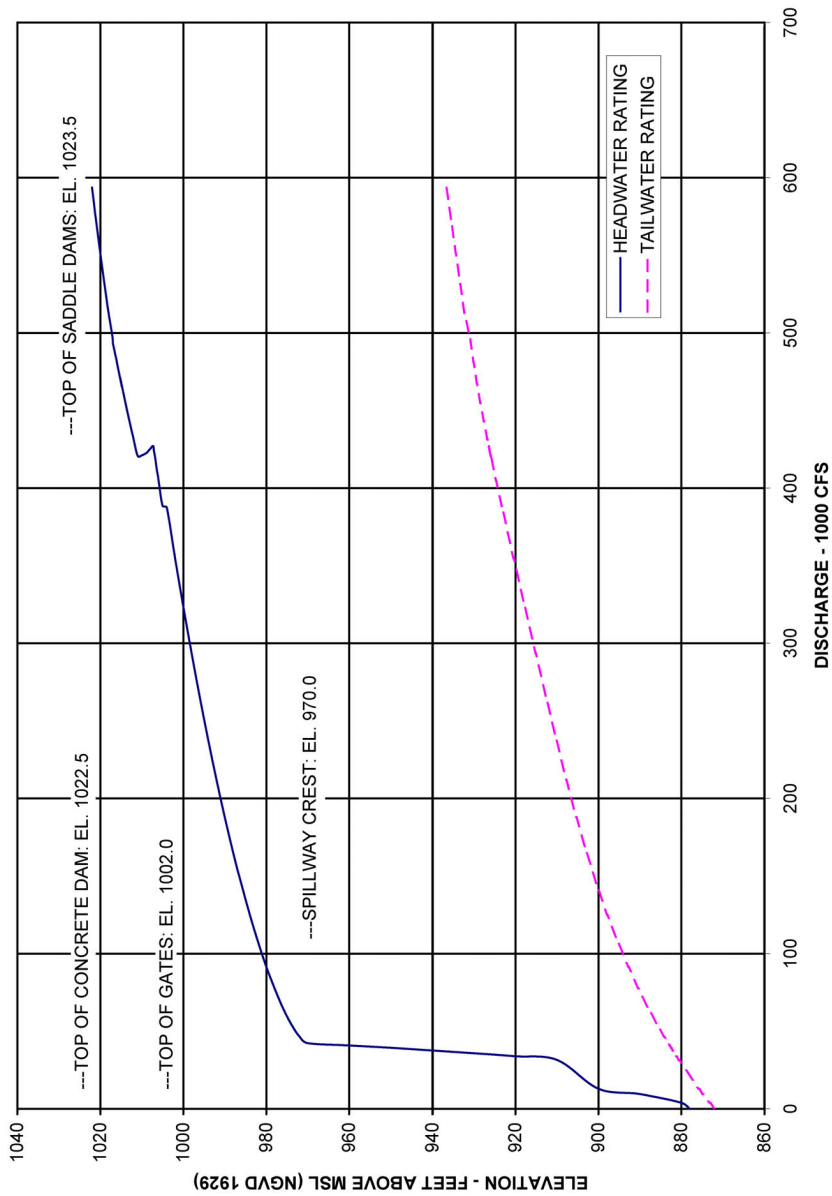
Figure 2.4-11 Discharge Rating Curve, Boone Dam (Sheet 5 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Cherokee Dam

Figure 2.4-11 (Sheet 6 of 13)

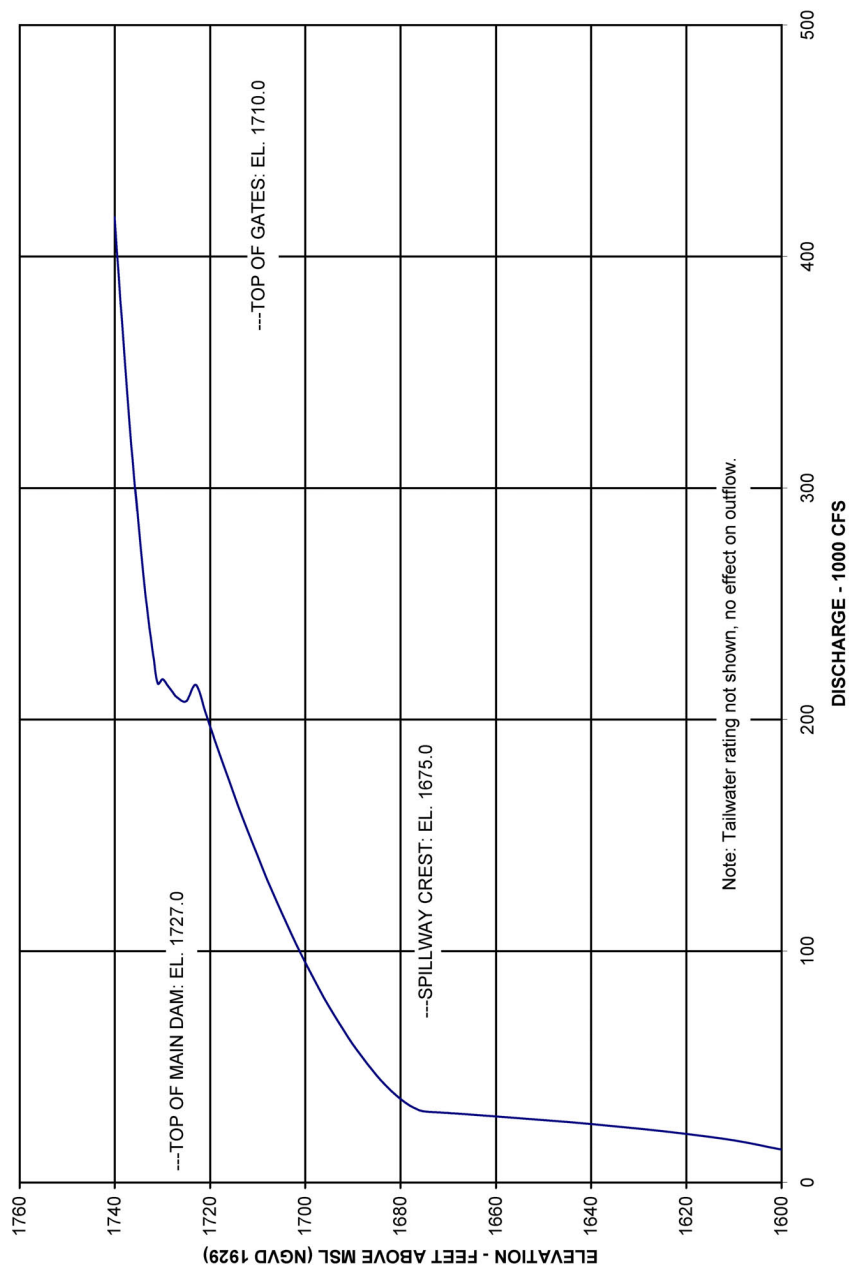
Figure 2.4-11 Discharge Rating Curve, Cherokee Dam (Sheet 6 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Douglas Dam

Figure 2.4-11 (Sheet 7 of 13)

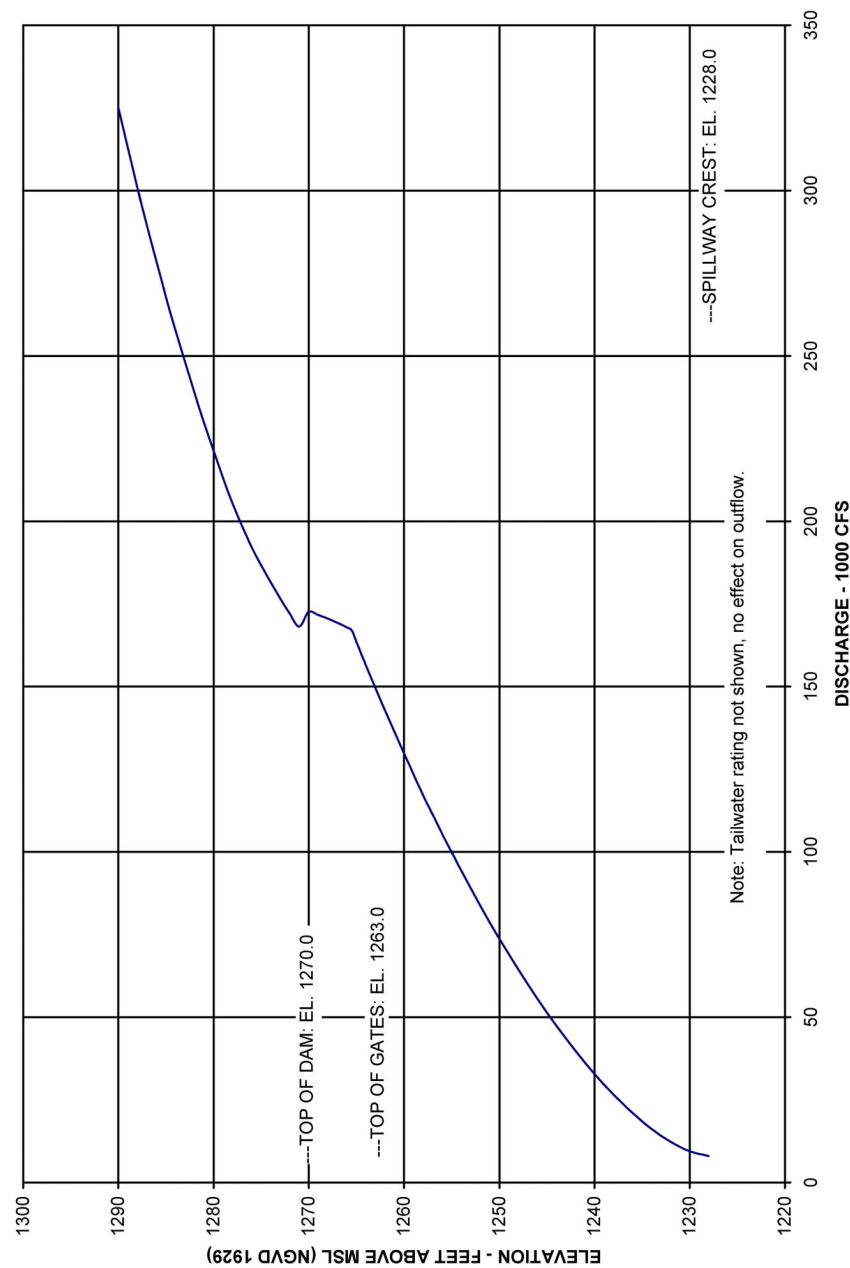
Figure 2.4-11 Discharge Rating Curve, Douglas Dam (Sheet 7 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Fontana Dam

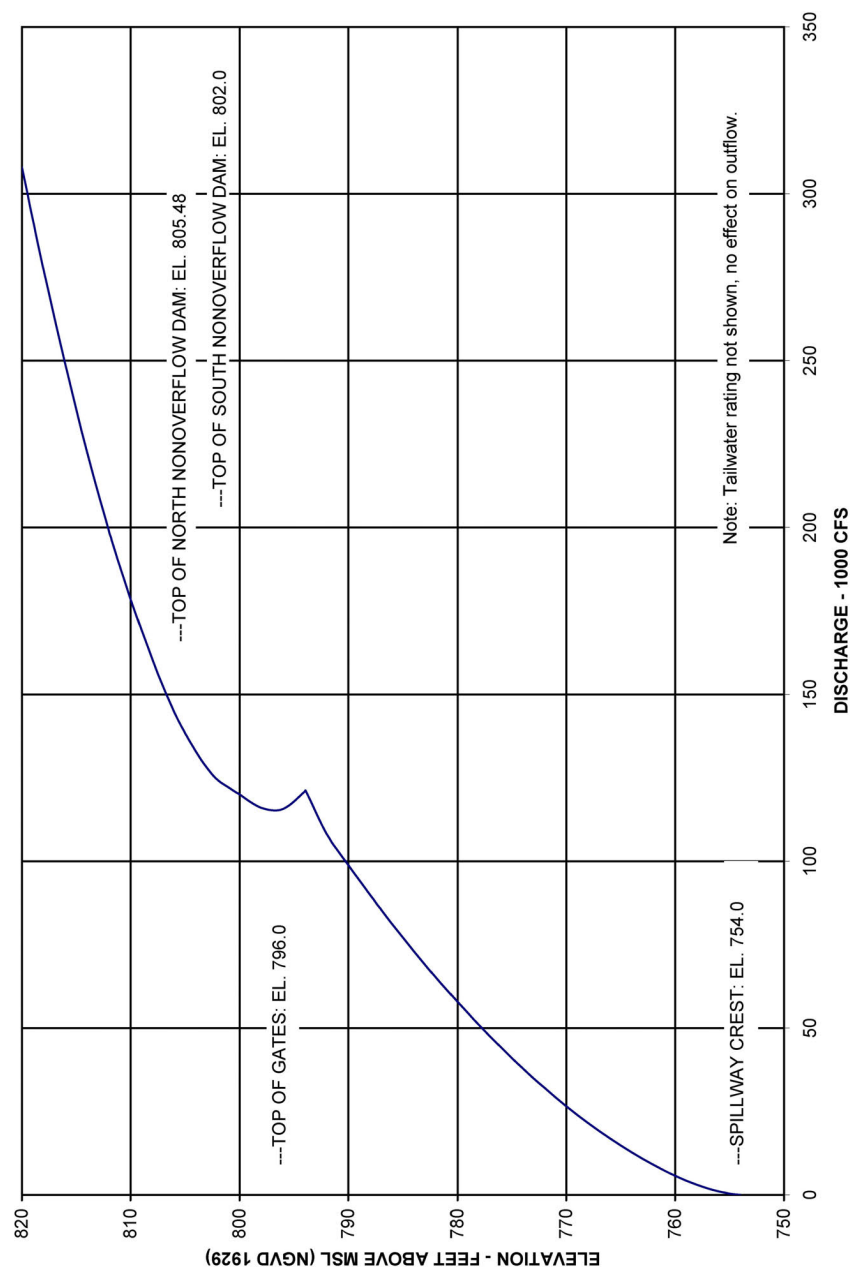
Figure 2.4-11 (Sheet 8 of 13)

Figure 2.4-11 Discharge Rating Curve, Fontana Dam (Sheet 8 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Fort Patrick Henry Dam
Figure 2.4-11 (Sheet 9 of 13)

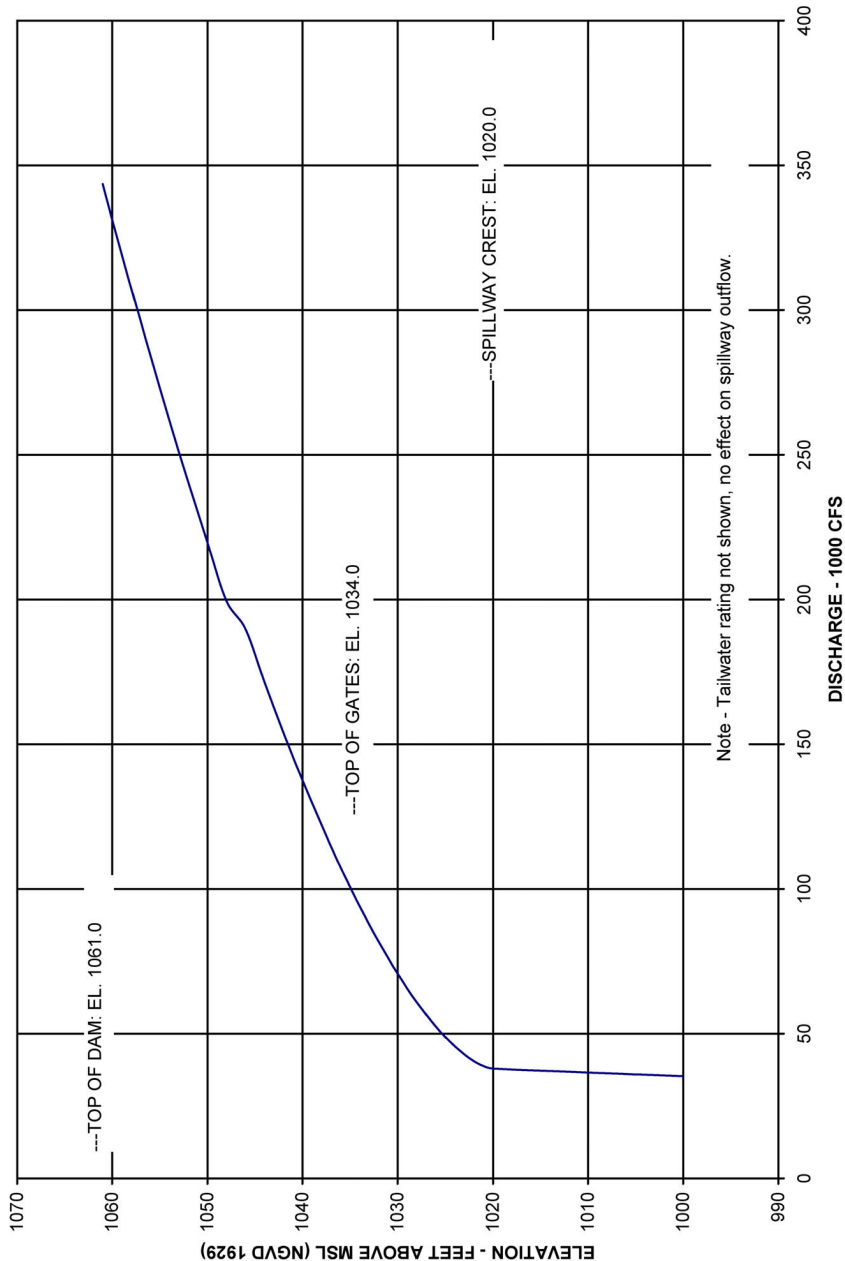
Figure 2.4-11 Discharge Rating Curve, Fort Patrick Henry Dam (Sheet 9 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Melton Hill Dam

Figure 2.4-11 (Sheet 10 of 13)

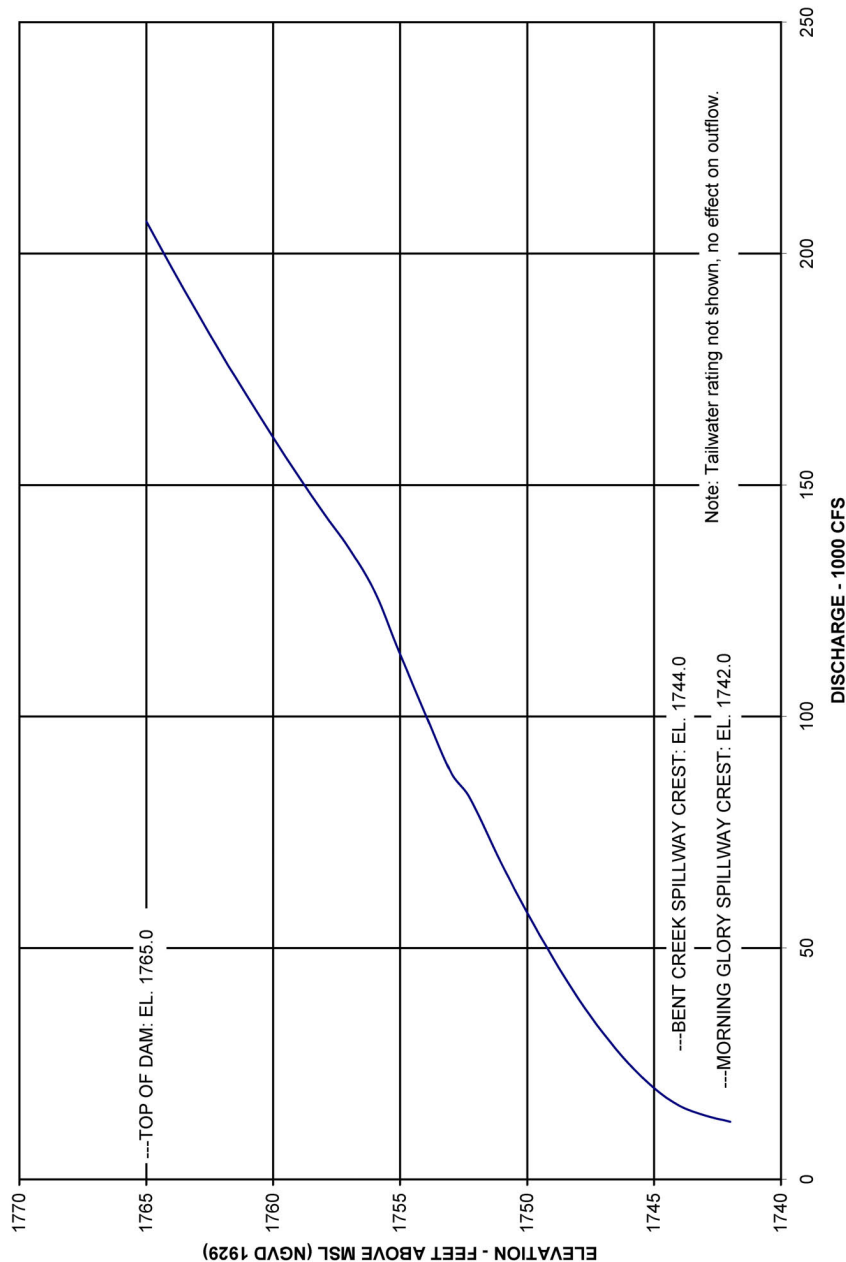
Figure 2.4-11 Discharge Rating Curve, Melton Hill Dam (Sheet 10 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Norris Dam

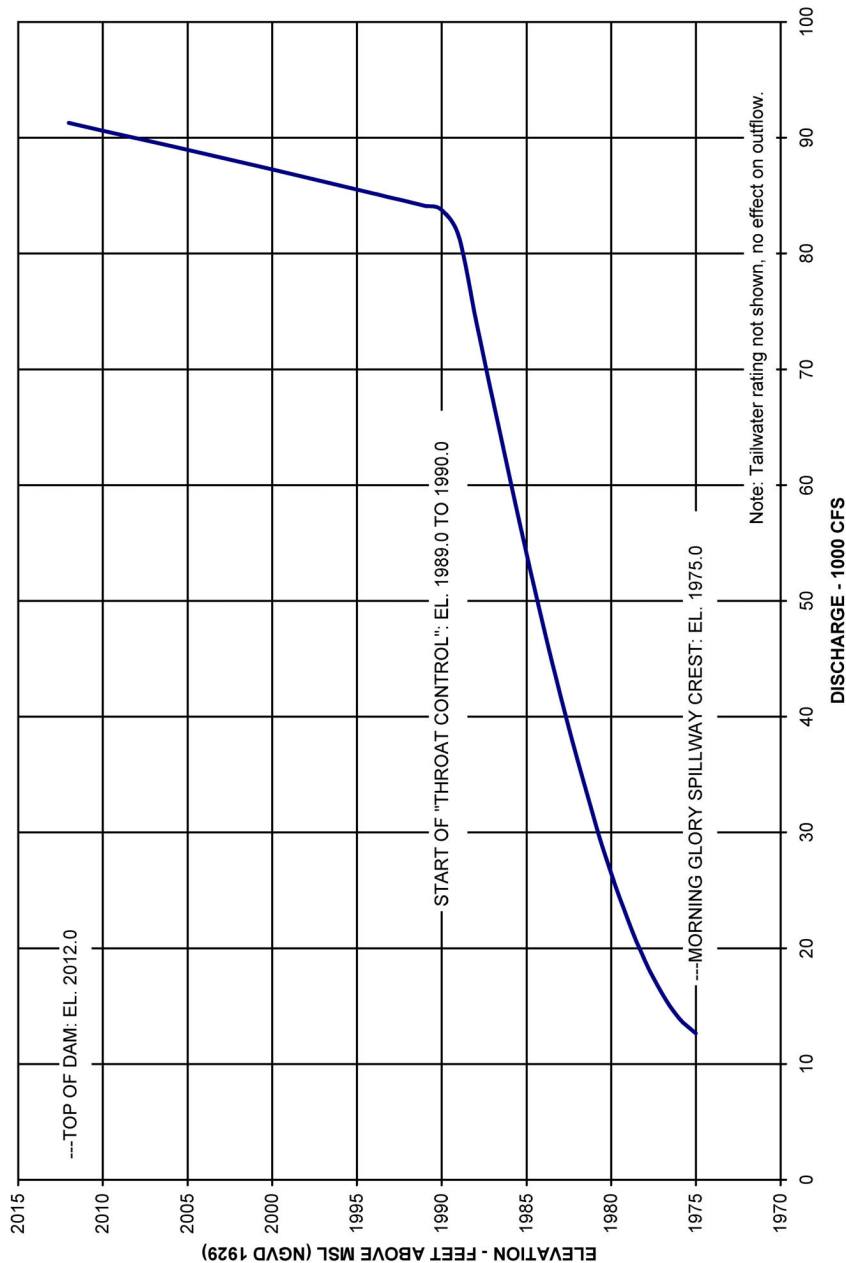
Figure 2.4-11 (Sheet 11 of 13)

Figure 2.4-11 Discharge Rating Curve, Norris Dam (Sheet 11 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, South Holston Dam
Figure 2.4-11 (Sheet 12 of 13)

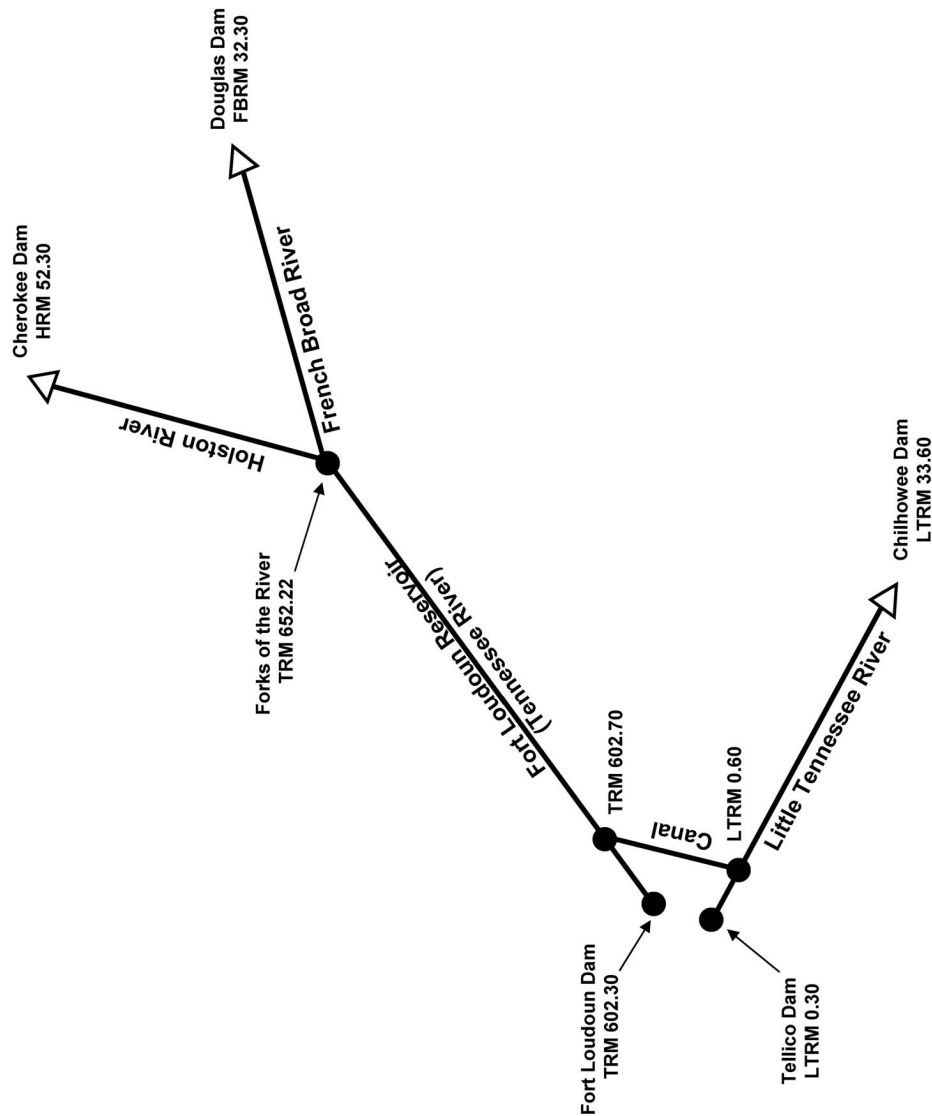
Figure 2.4-11 Discharge Rating Curve, South Holston Dam (Sheet 12 of 13)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Discharge Rating Curve, Watauga Dam

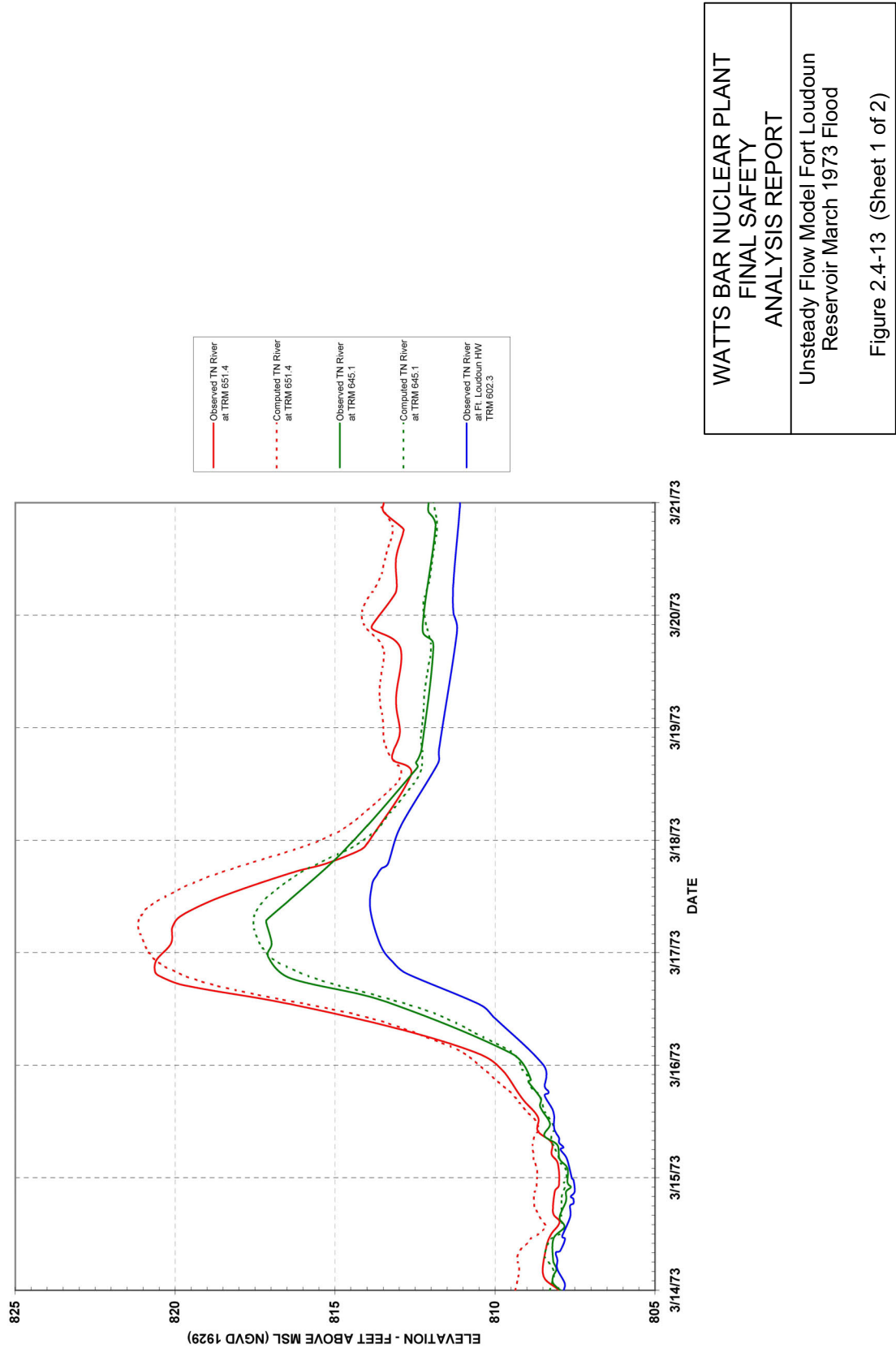
Figure 2.4-11 (Sheet 13 of 13)

Figure 2.4-11 Discharge Rating Curve, Watauga Dam (Sheet 13 of 13)



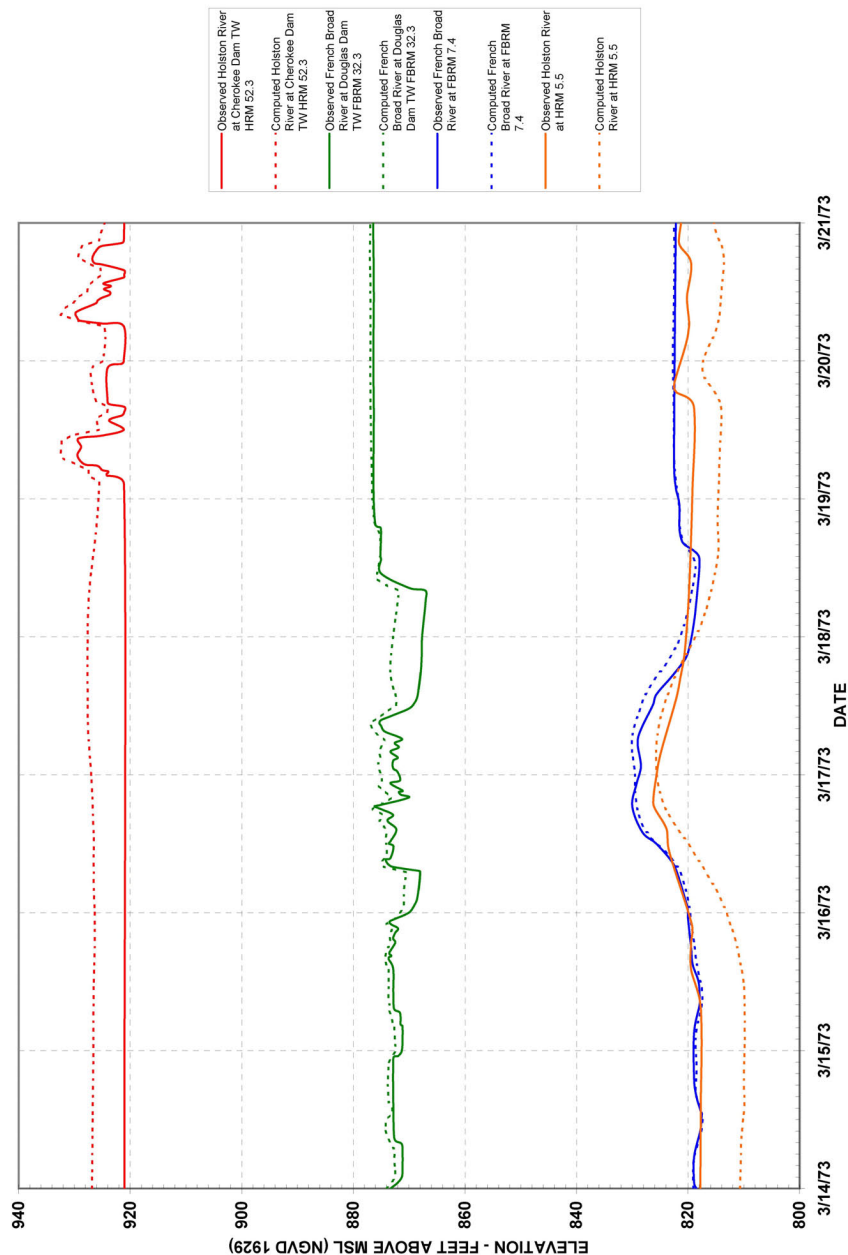
WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	
Fort Loudoun - Tellico SOCH Unsteady Flow Model Schematic	Figure 2.4-12

Figure 2.4-12 Fort Loudoun - Tellico SOCH Unsteady Flow Model Schematic



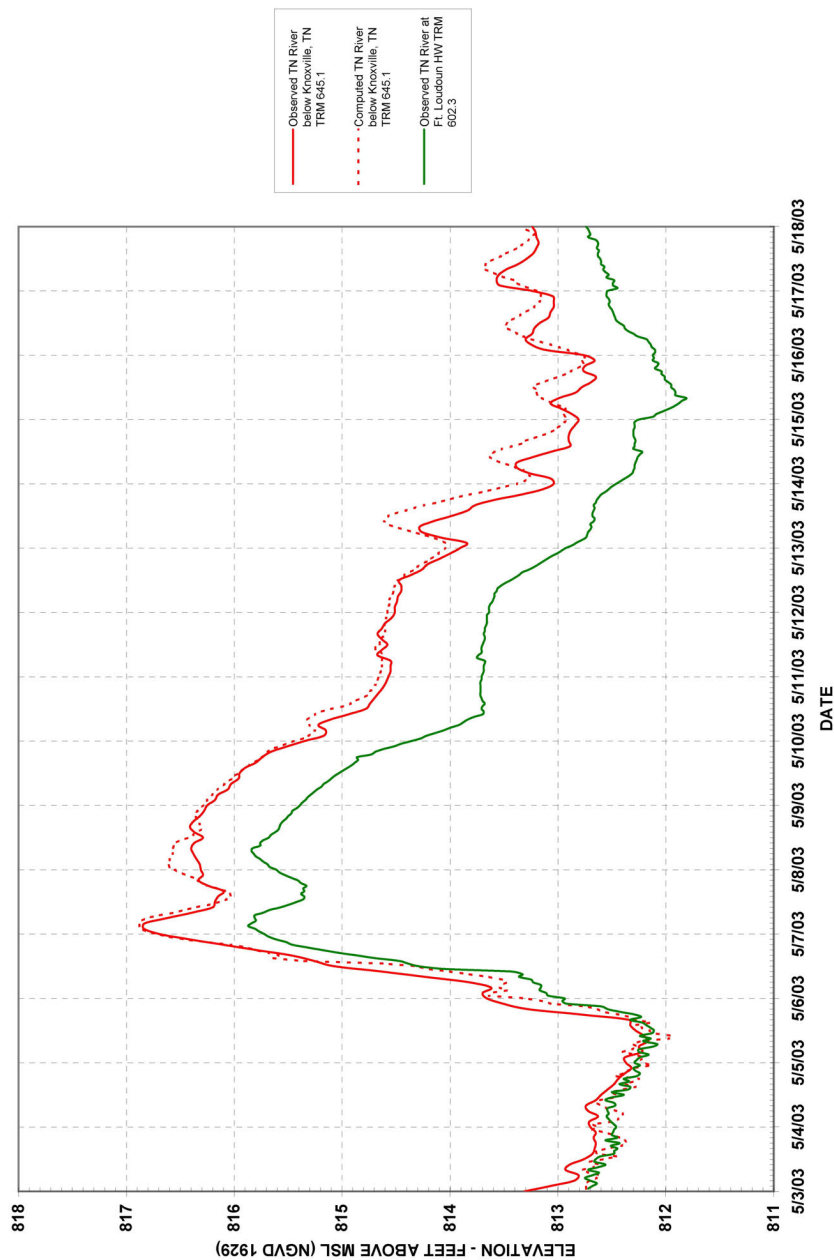
WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Unsteady Flow Model Fort Loudoun Reservoir March 1973 Flood
Figure 2.4-13 (Sheet 1 of 2)

Figure 2.4-13 Unsteady Flow Model Fort Loudoun Reservoir March 1973 Flood (Sheet 1 of 2)



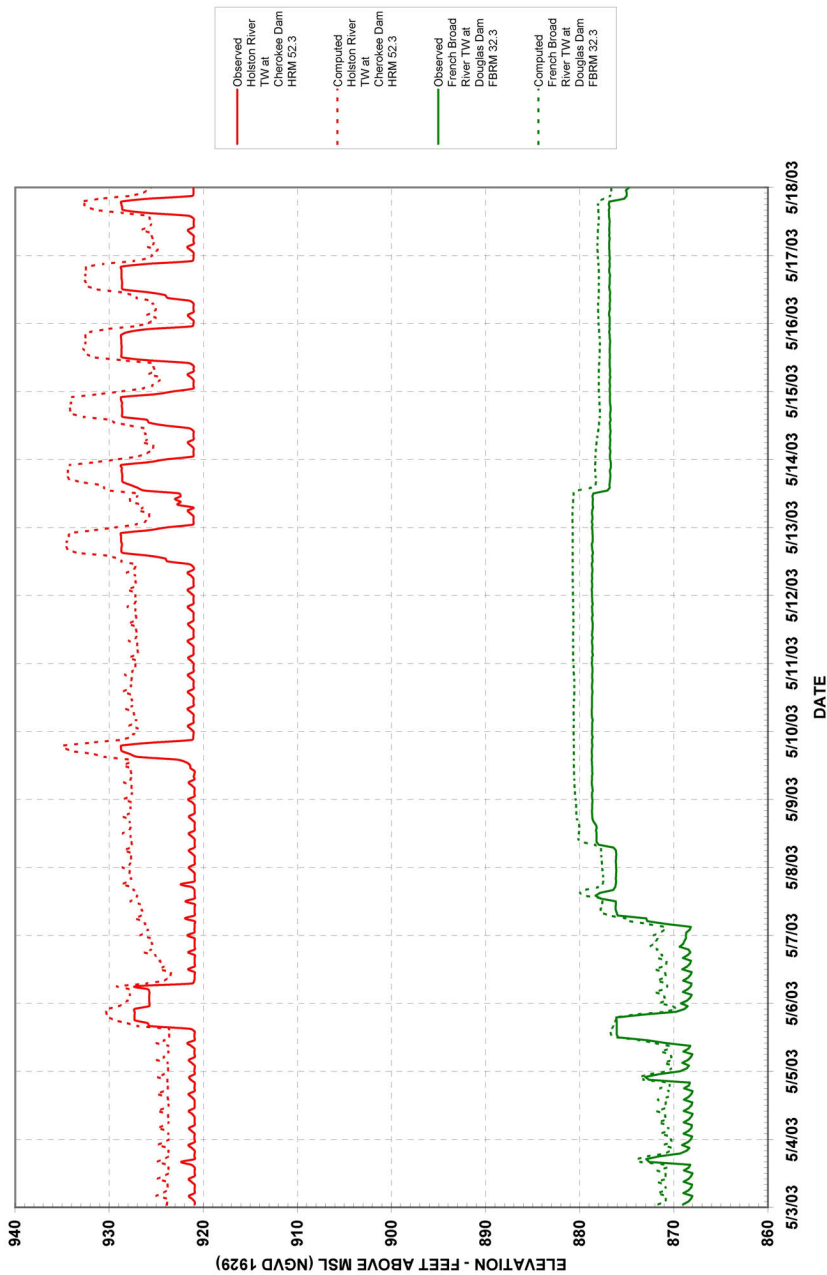
WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Unsteady Flow Model Fort Loudoun Reservoir March 1973 Flood
Figure 2.4-13 (Sheet 2 of 2)

Figure 2.4-13 Unsteady Flow Model Fort Loudoun Reservoir March 1973 Flood (Sheet 2 of 2)



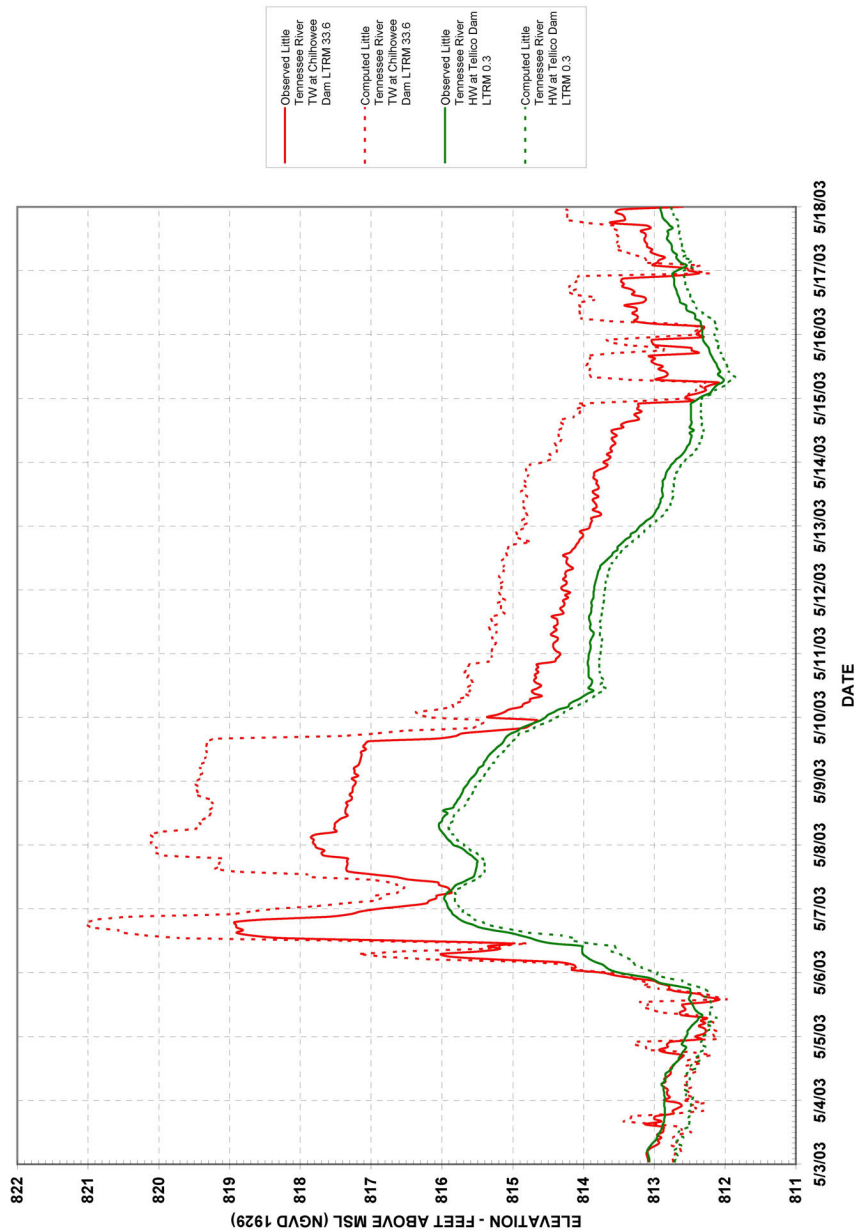
WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	Unsteady Flow Model Fort Loudoun - Tellico Reservoir May 2003 Flood
Figure 2.4-14 (Sheet 1 of 3)	

Figure 2.4-14 Unsteady Flow Model Fort Loudoun - Tellico Reservoir May 2003 Flood (Sheet 1 of 3)



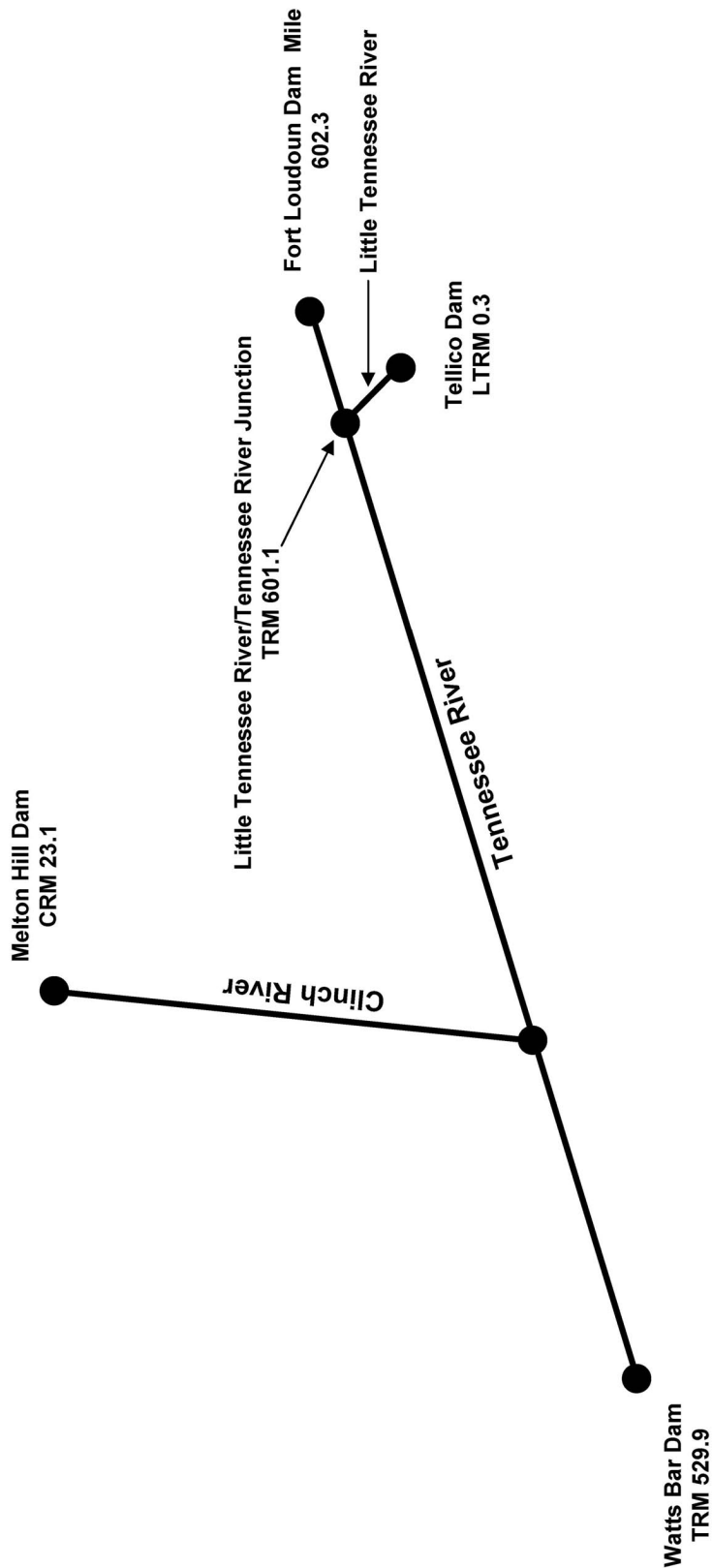
WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	Unsteady Flow Model Fort Loudoun - Tellico Reservoir May 2003 Flood
Figure 2.4-14 (Sheet 2 of 3)	

Figure 2.4-14 Unsteady Flow Model Fort Loudoun - Tellico Reservoir May 2003 Flood (Sheet 2 of 3)



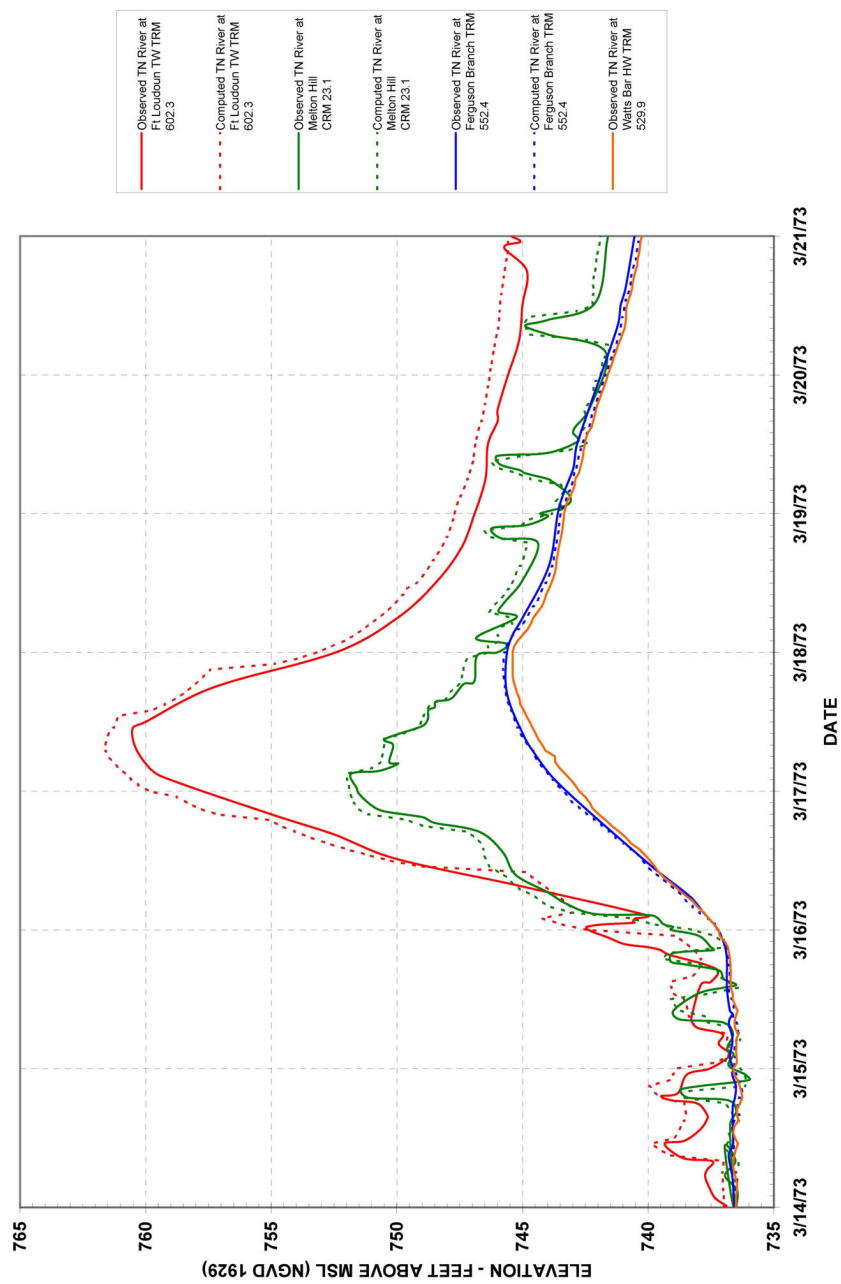
WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	
Unsteady Flow Model Fort Loudoun - Tellico Reservoir May 2003 Flood	
Figure 2.4-14 (Sheet 3 of 3)	

Figure 2.4-14 Unsteady Flow Model Fort Loudoun - Tellico Reservoir May 2003 Flood (Sheet 3 of 3)



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	
Watts Bar SOCH Unsteady Flow Model Schematic	Figure 2.4-15

Figure 2.4-15 Watts Bar SOCH Unsteady Flow Model Schematic



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Unsteady Flow Model Watts Bar Reservoir March 1973 Flood

Figure 2.4-16

Figure 2.4-16 Unsteady Flow Model Watts Bar Reservoir March 1973 Flood

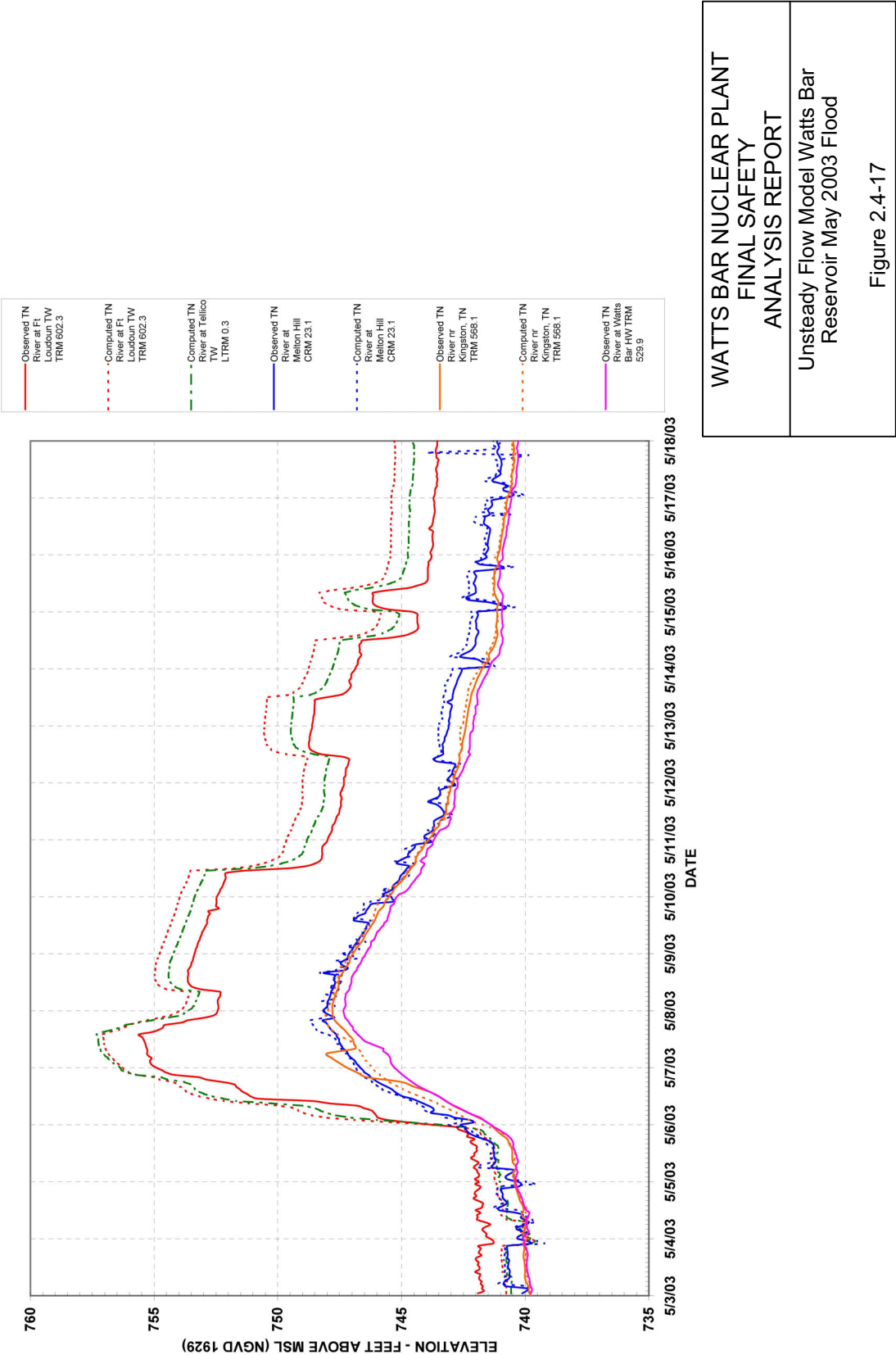
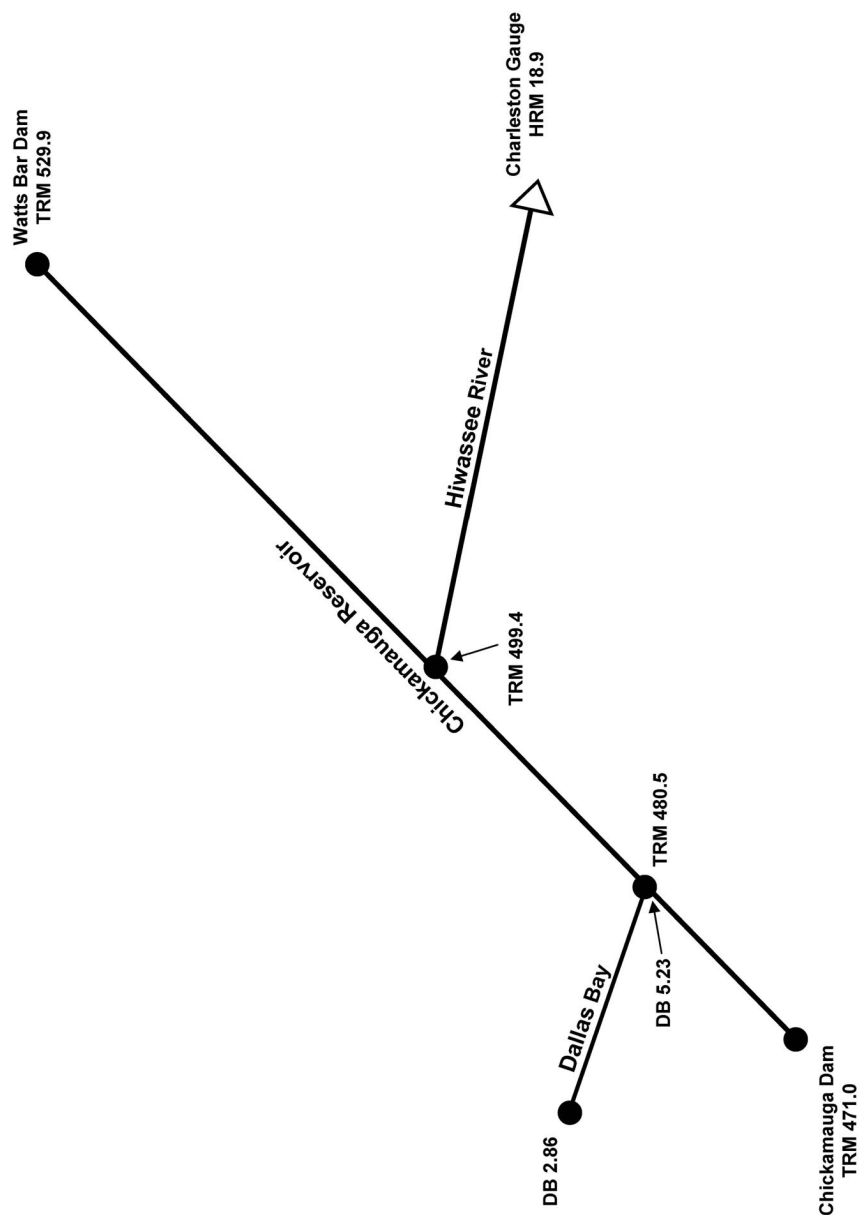
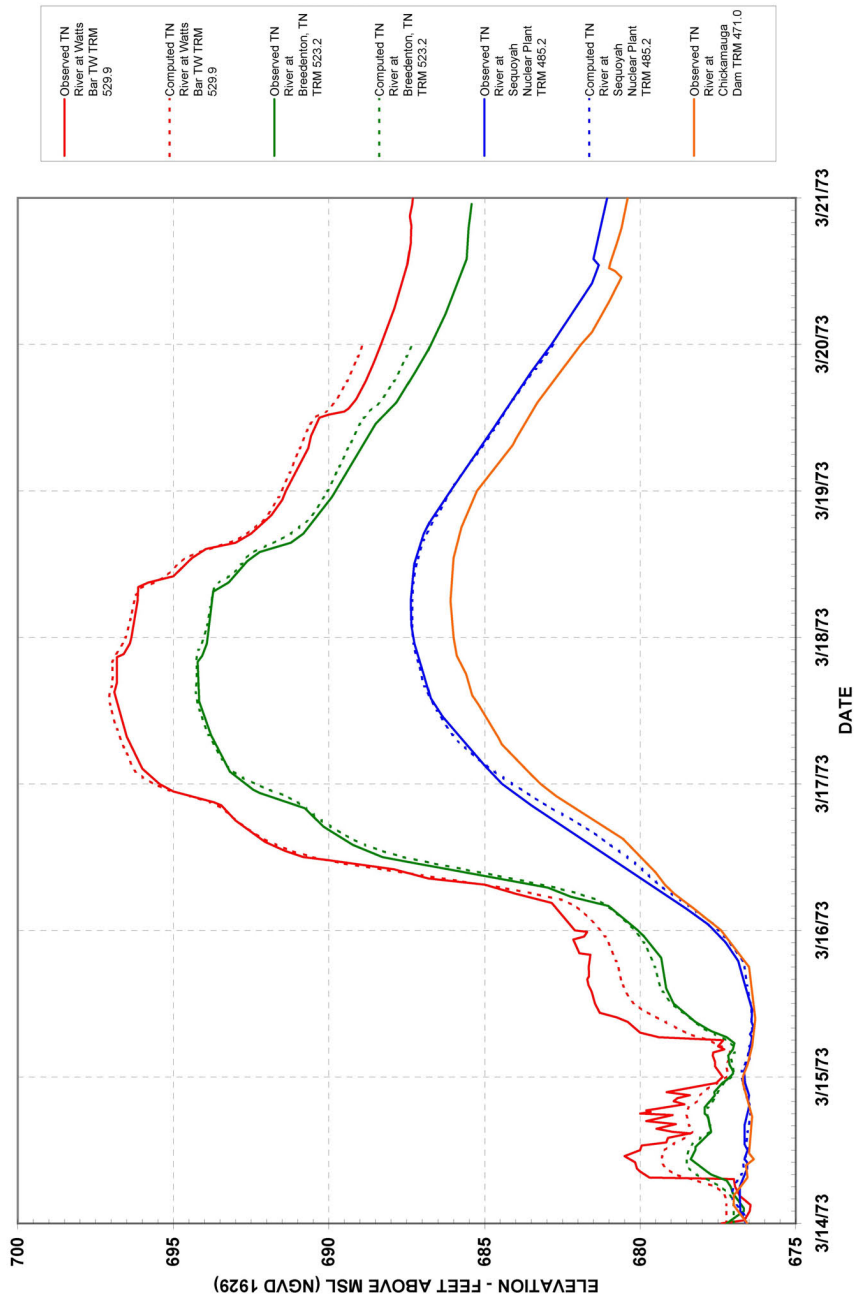


Figure 2.4-17 Unsteady Flow Model Watts Bar Reservoir May 2003 Flood



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	
Chickamauga SOCH Unsteady Flow Model Schematic	Figure 2.4-18

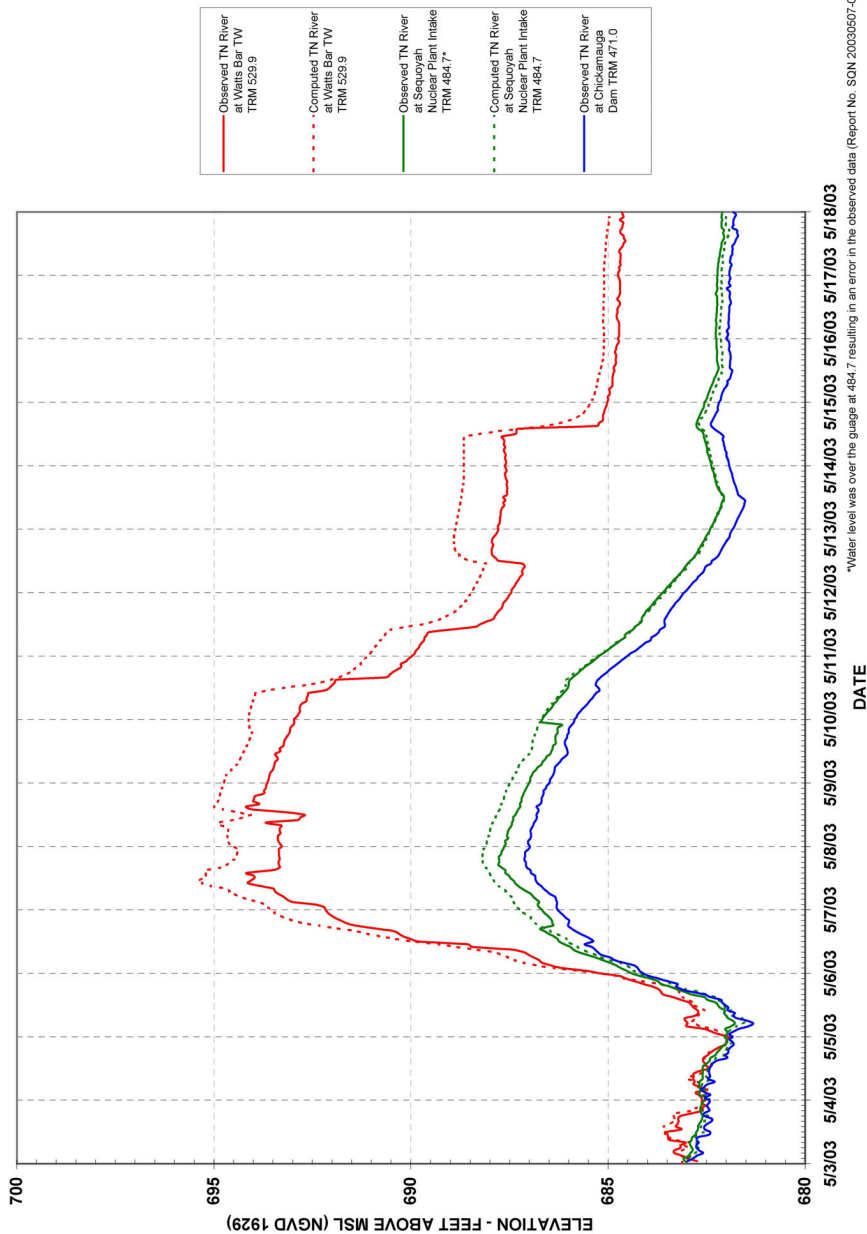
Figure 2.4-18 Chickamauga SOCH Unsteady Flow Model Schematic



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Unsteady Flow Model Chickamauga Reservoir March 1973 Flood

Figure 2.4-19

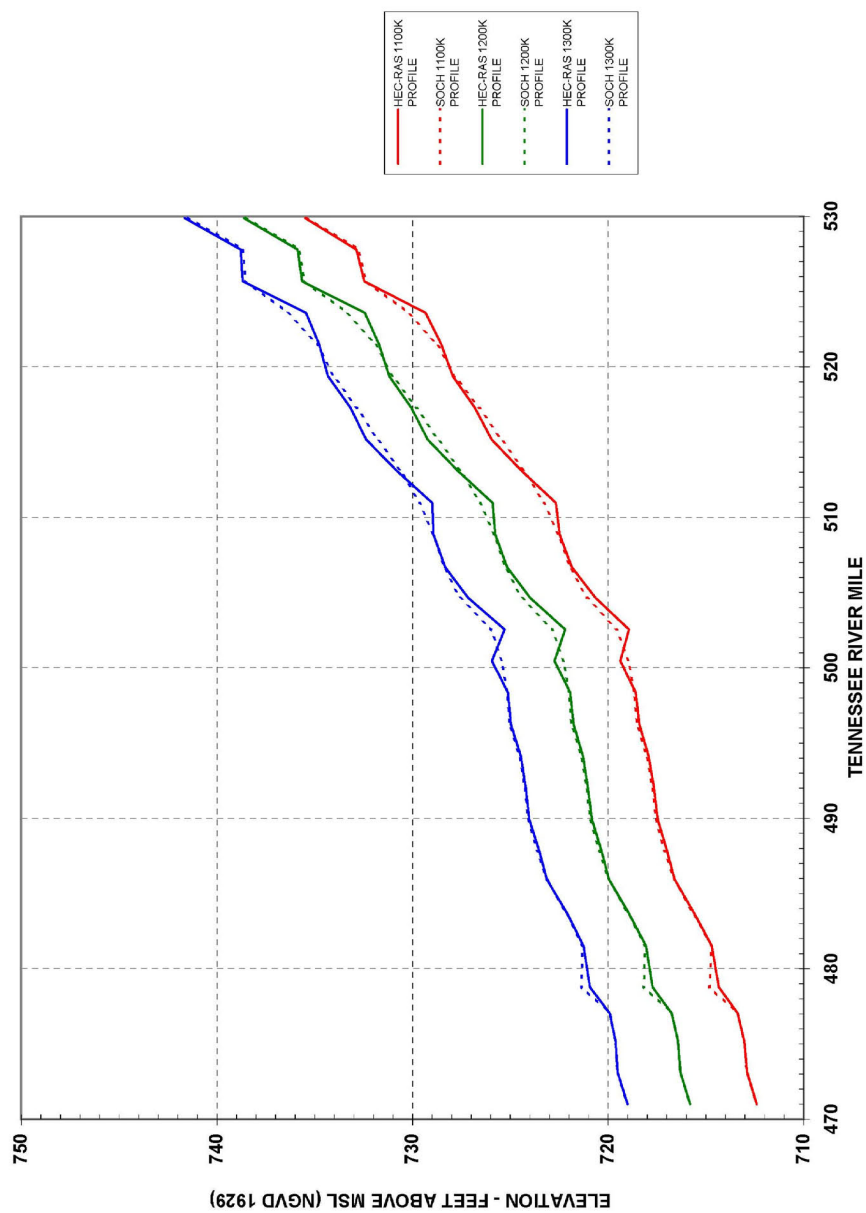
Figure 2.4-19 Unsteady Flow Model Chickamauga Reservoir March 1973 Flood



*Water level was over the gauge at 484.7 resulting in an error in the observed data (Report No. SON 20030507-01)

WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT	Unsteady Flow Model Chickamauga Reservoir May 2003 Flood
Figure 2.4-20	

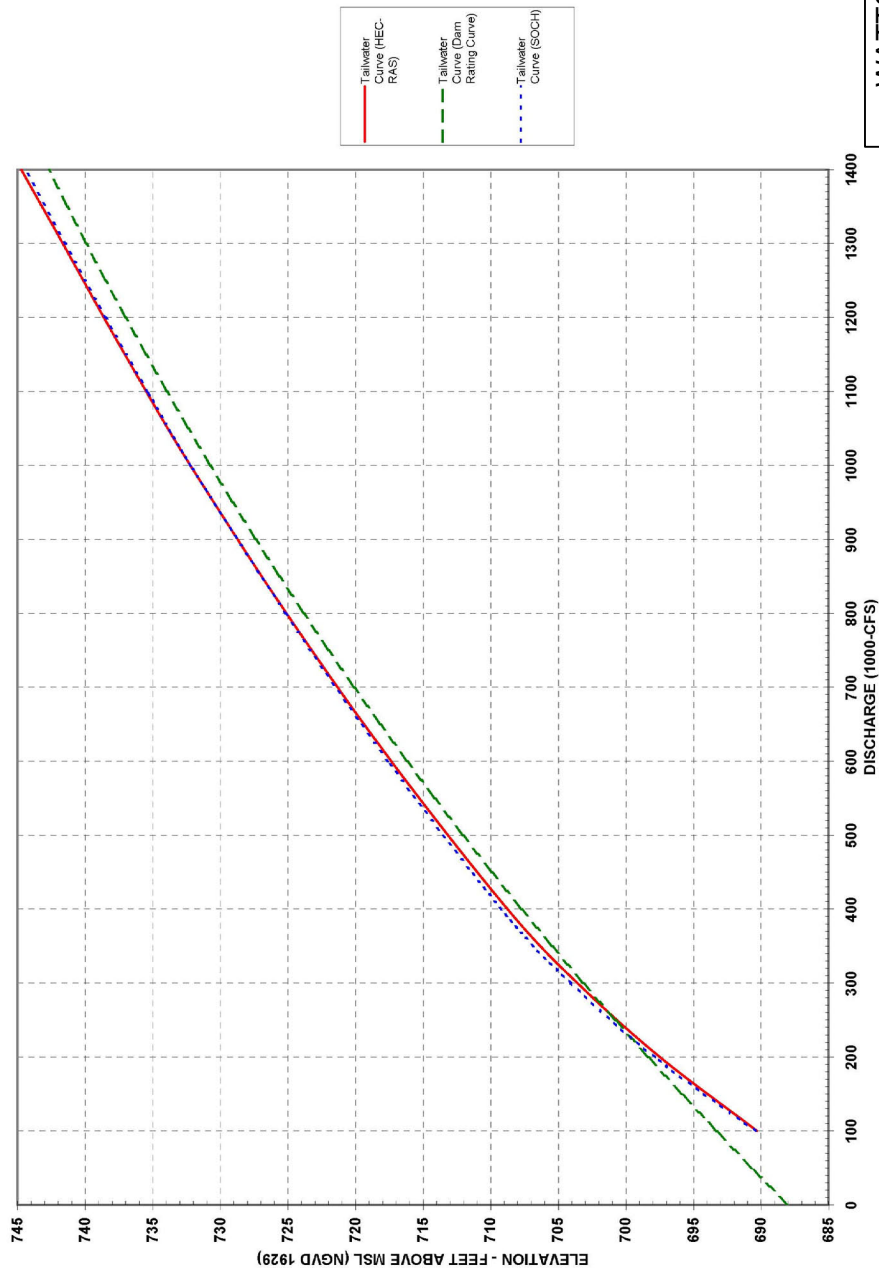
Figure 2.4-20 Unsteady Flow Model Chickamauga Reservoir May 2003 Flood



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Chickamauga Steady State Profile Comparisons

Figure 2.4-21

Figure 2.4-21 Chickamauga Steady State Profile Comparisons



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Tailwater Rating Curve, Watts Bar Dam
Figure 2.4-22

Figure 2.4-22 Tailwater Rating Curve, Watts Bar Dam

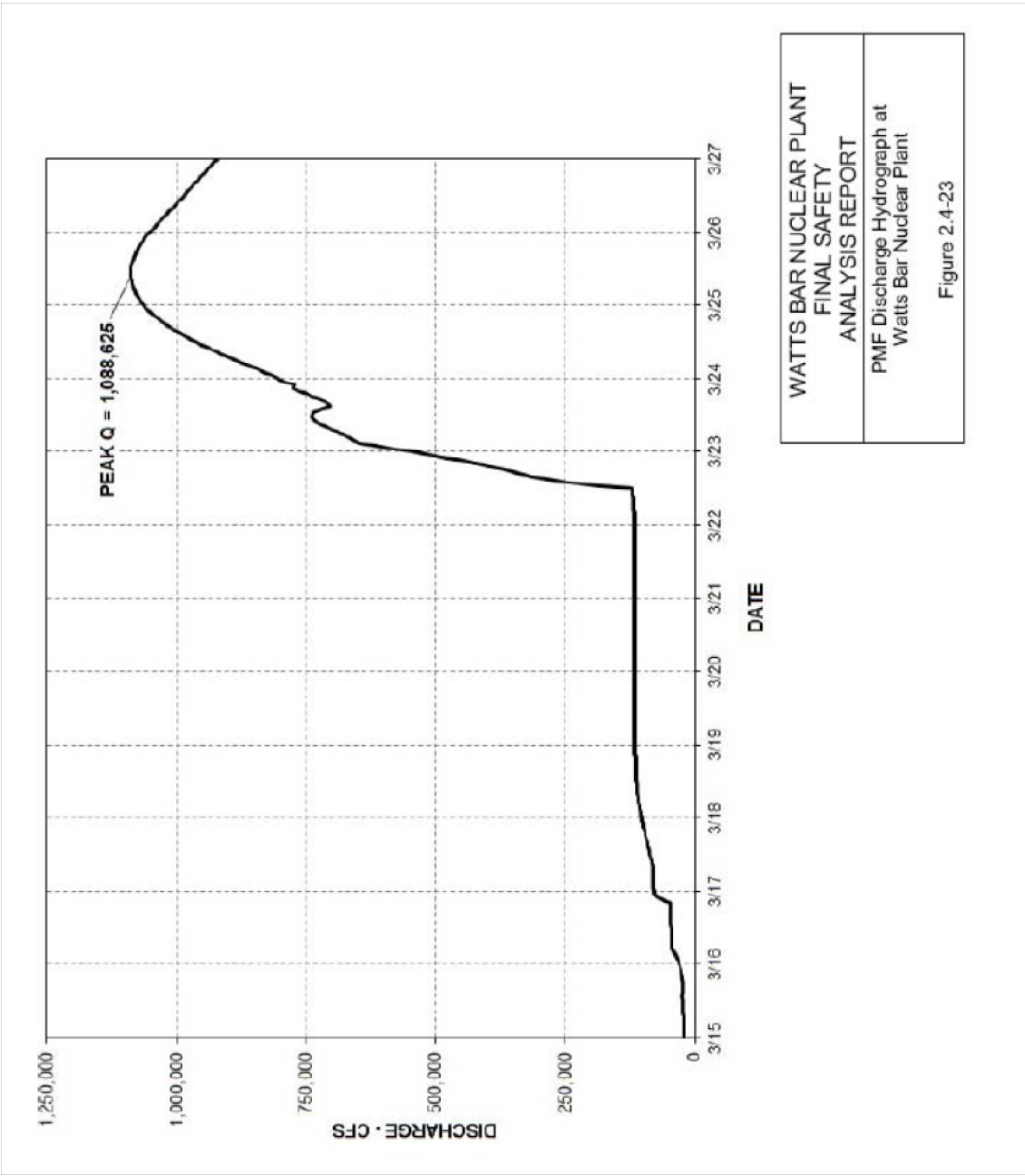


Figure 2.4-23 PMF Discharge Hydrograph at Watts Bar Nuclear Plant

Figure 2.4-24 West Saddle Dike Location Plan and Section

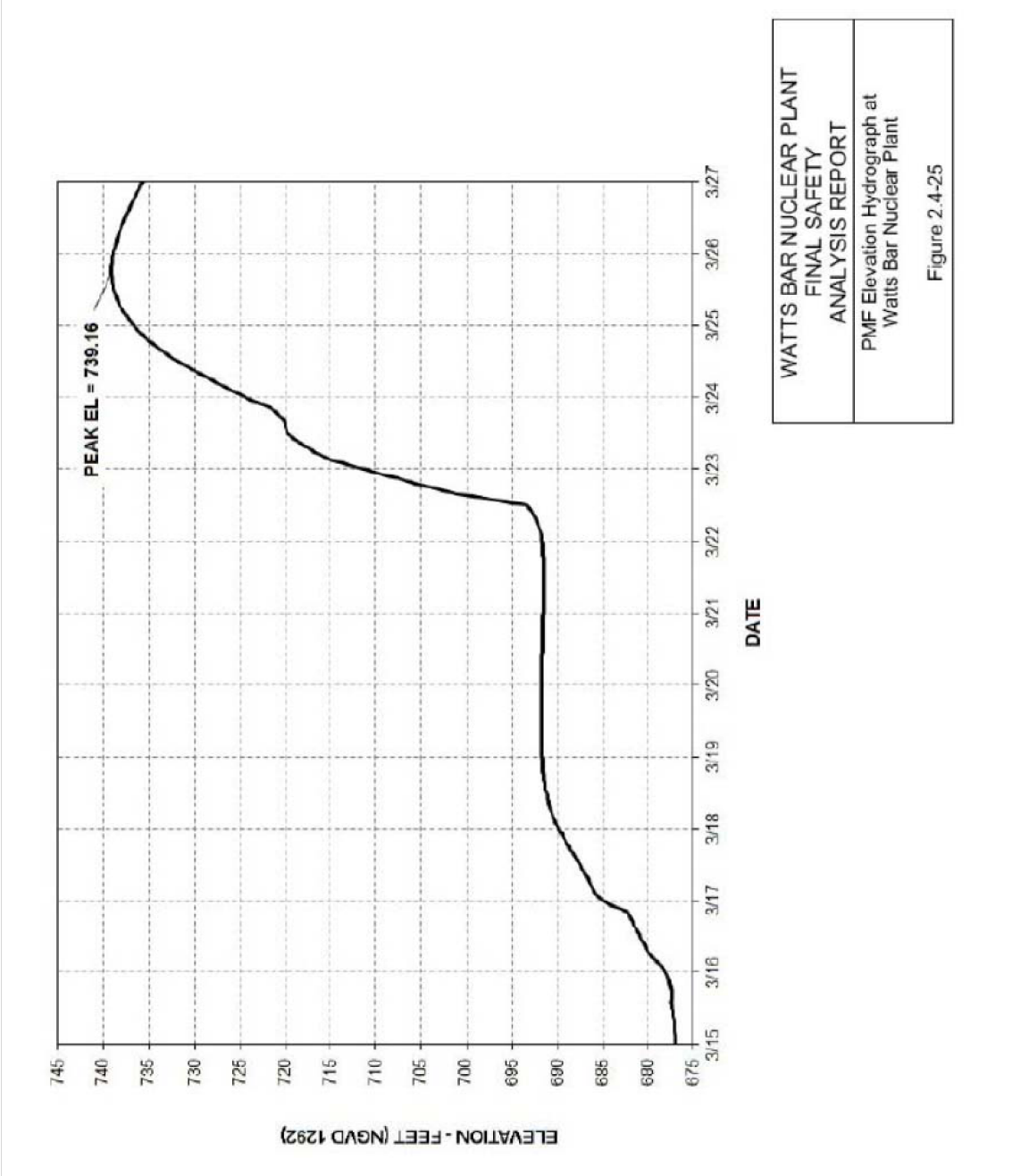
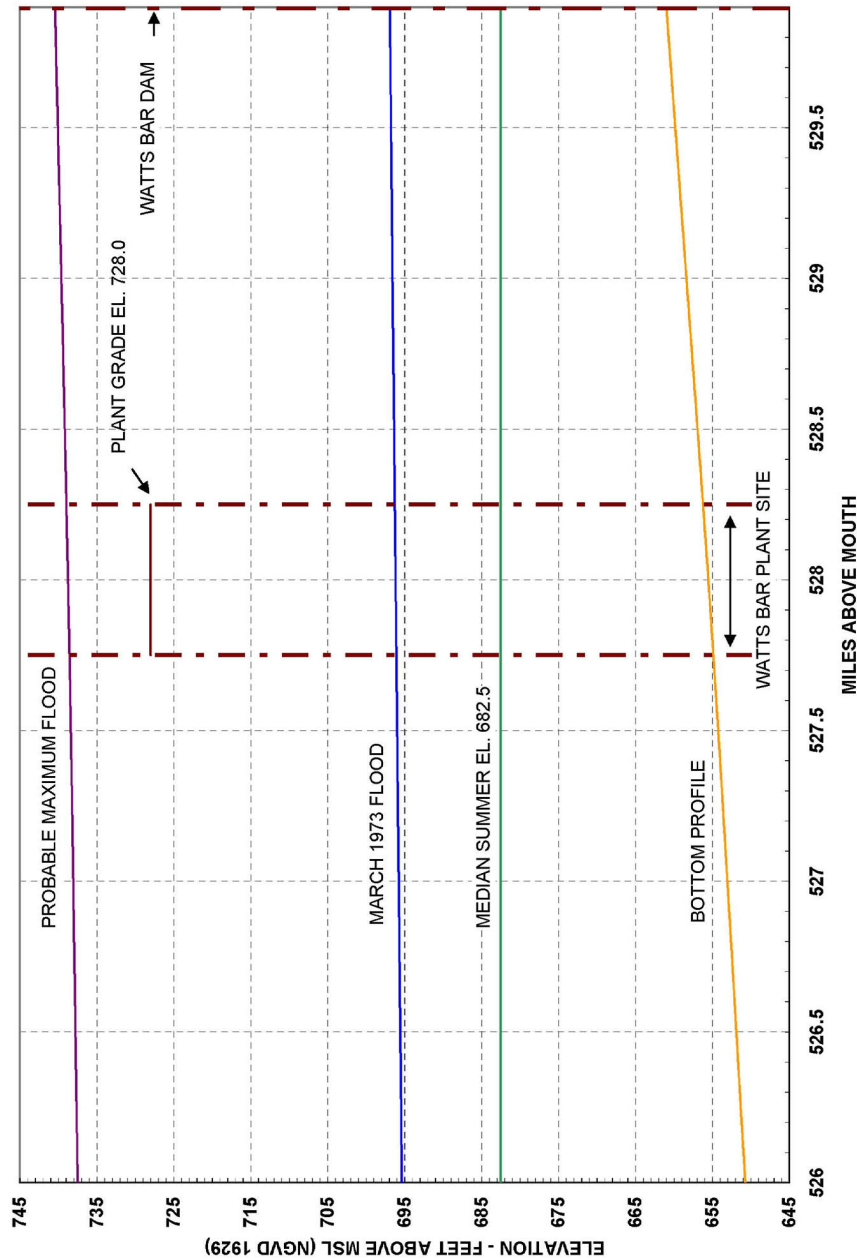


Figure 2.4-25 PMF Elevation Hydrograph at Watts Bar Nuclear Plant



WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
Probable Maximum Flood and Bottom Profiles Figure 2.4-26

Figure 2.4-26 Probable Maximum Flood and Bottom Profiles

Figure 2.4-27 Main Plant General Grading Plan

WATTS BAR

WBNP-112

Figure 2.4-28 Watts Bar Nuclear Plant Wind Wave Fetch

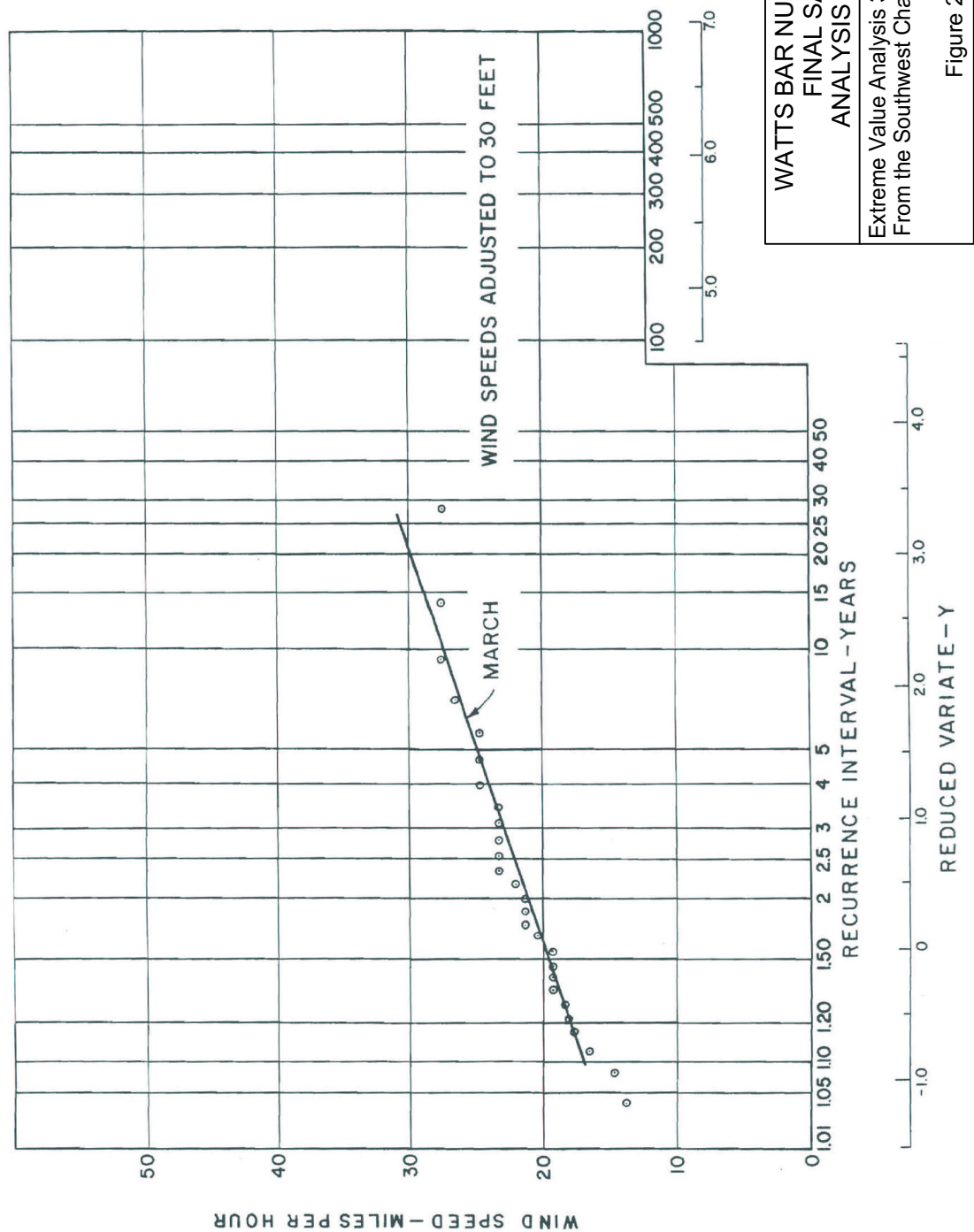


Figure 2.4-29 Extreme Value Analysis 30-Minute Wind Speed From the Southwest Chattanooga, TN 1948-74

Figure 2.4-30 thru Figure 2.4-40 Are Not Used

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Figure 2.4-40a Main Plant Site Grading And Drainage System For Flood Studies Sheet 1

Figure 2.4-40a Deleted by Amendment 101

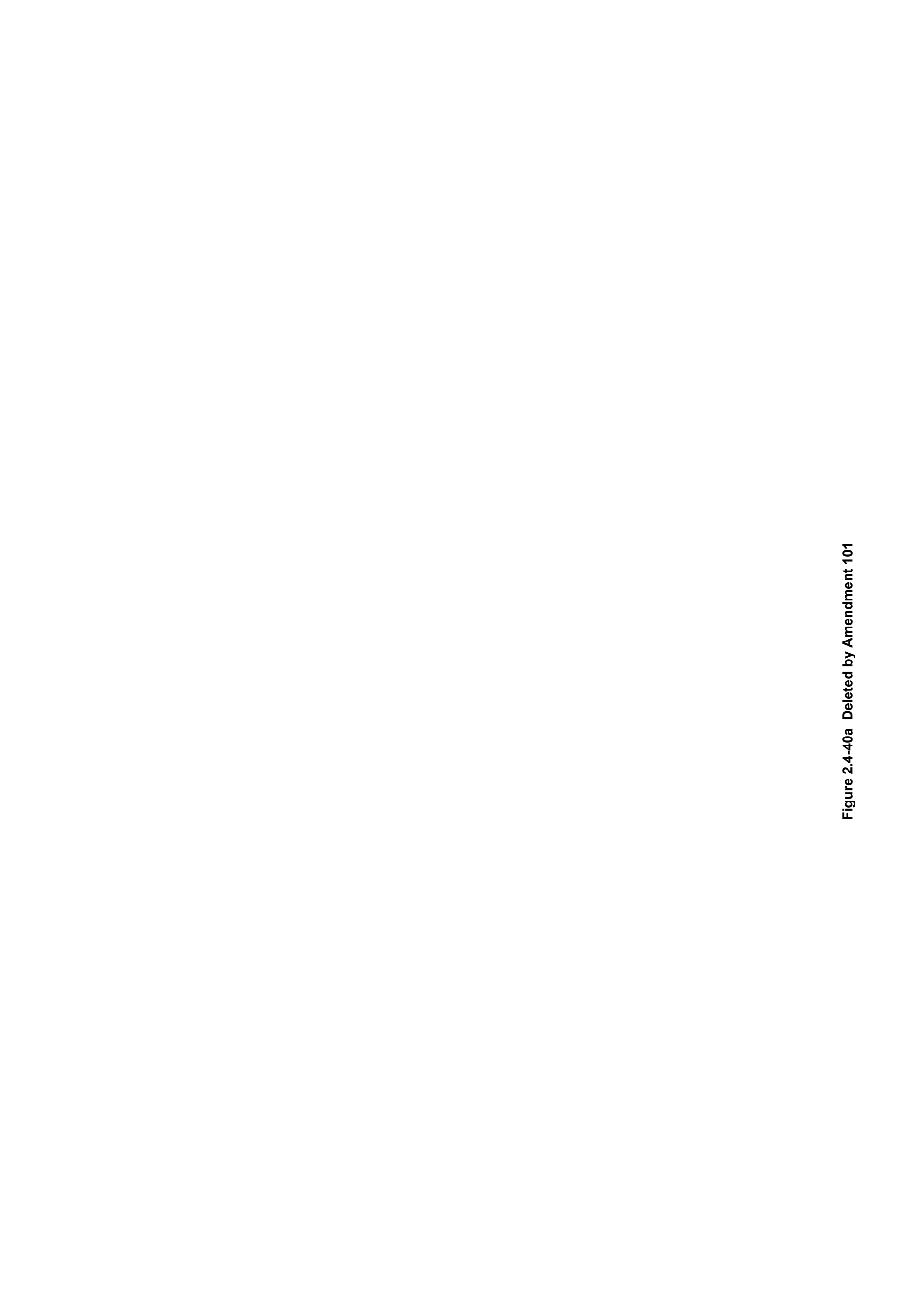
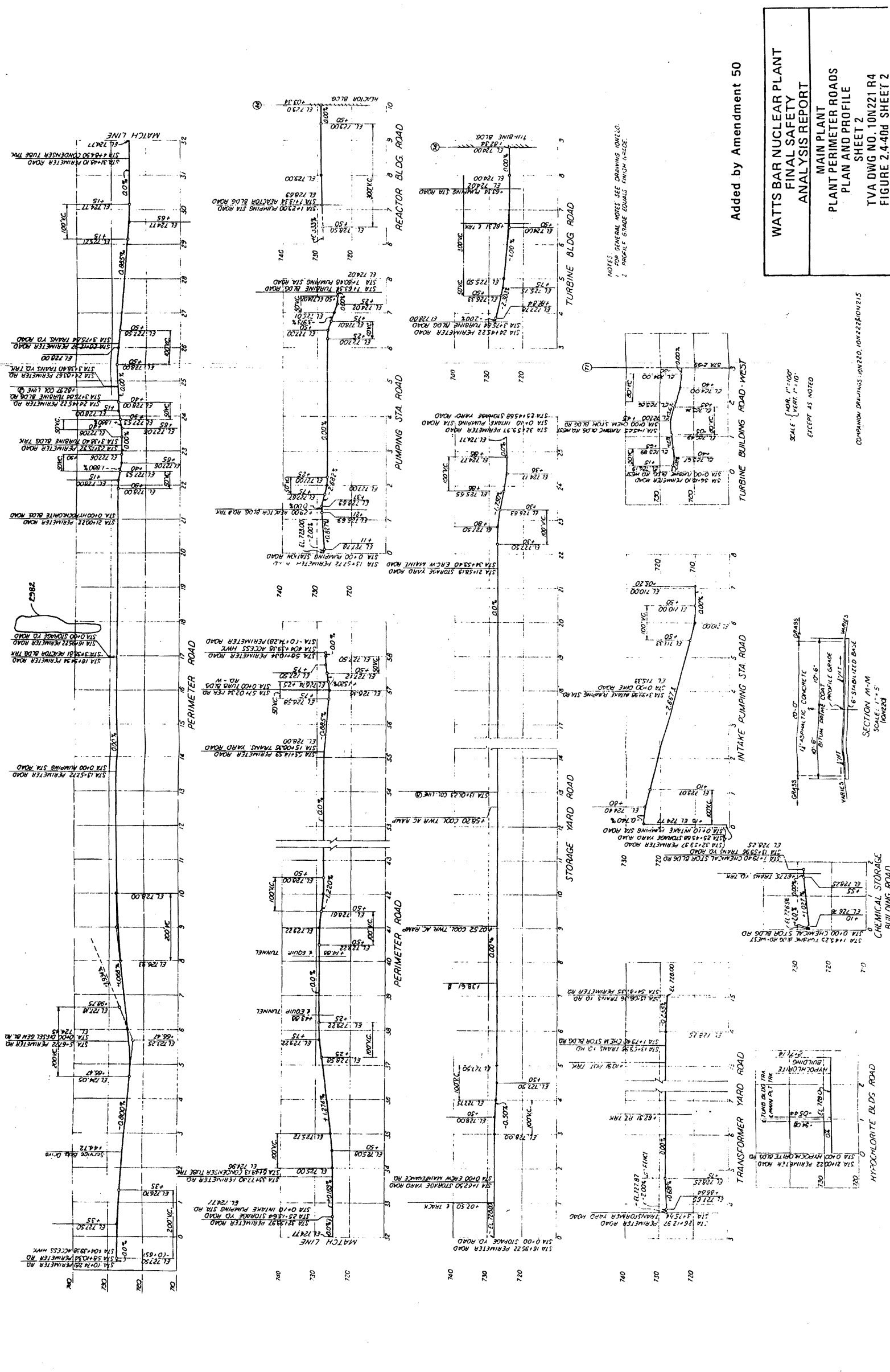


Figure 2.4-40a Deleted by Amendment 101

Figure 2.4-40b Main Plant General Plan

Figure 2.4-40c Yard Site Grading and Drainage System For Flood Studies

Figure 2.4-40d-1 Main Plant Plant Perimeter Roads Plan and Profile Sheet 1





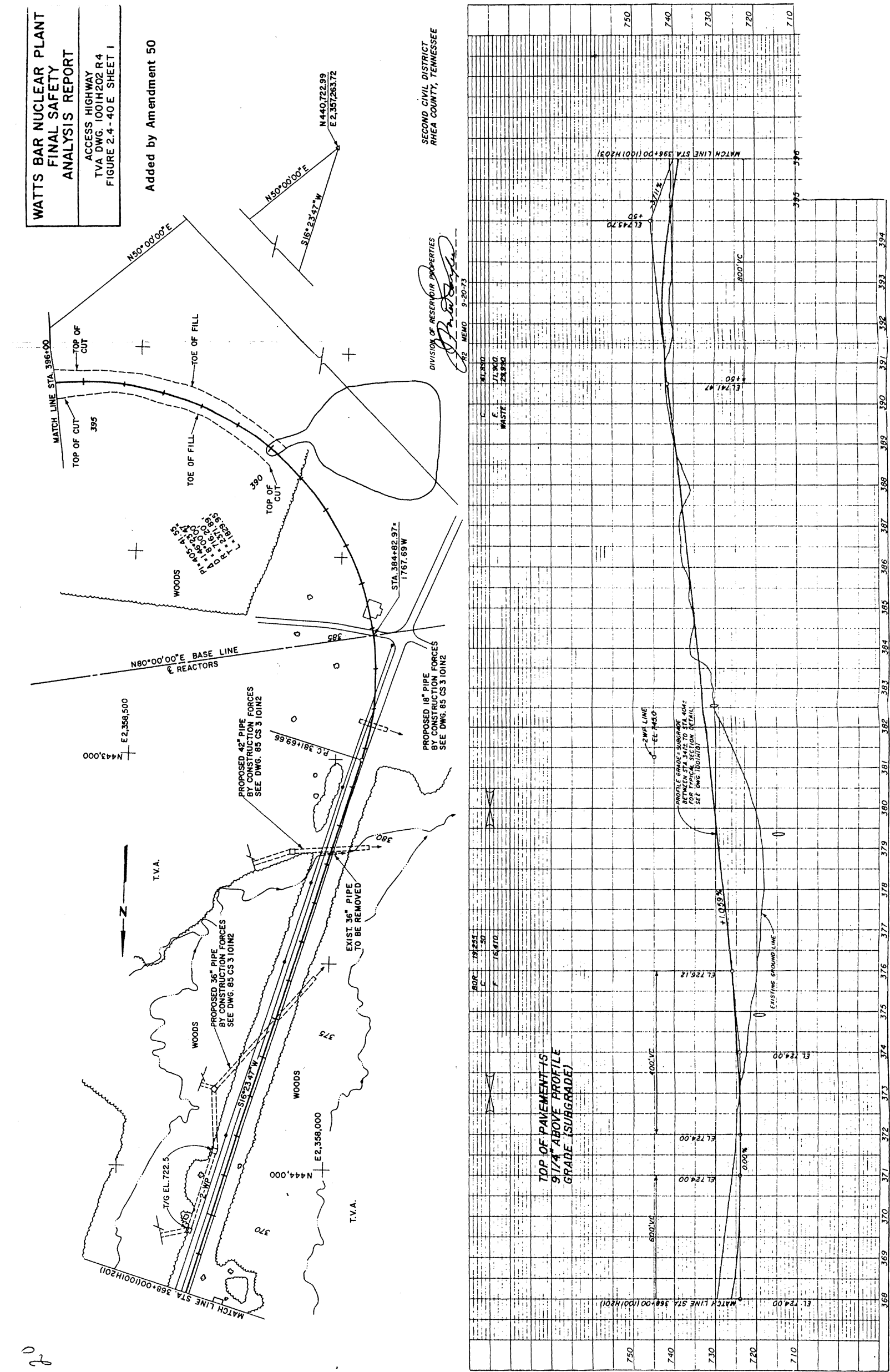


Figure 2.4-40f Main Plant Main Plant Tracks Plan - Sheet 1



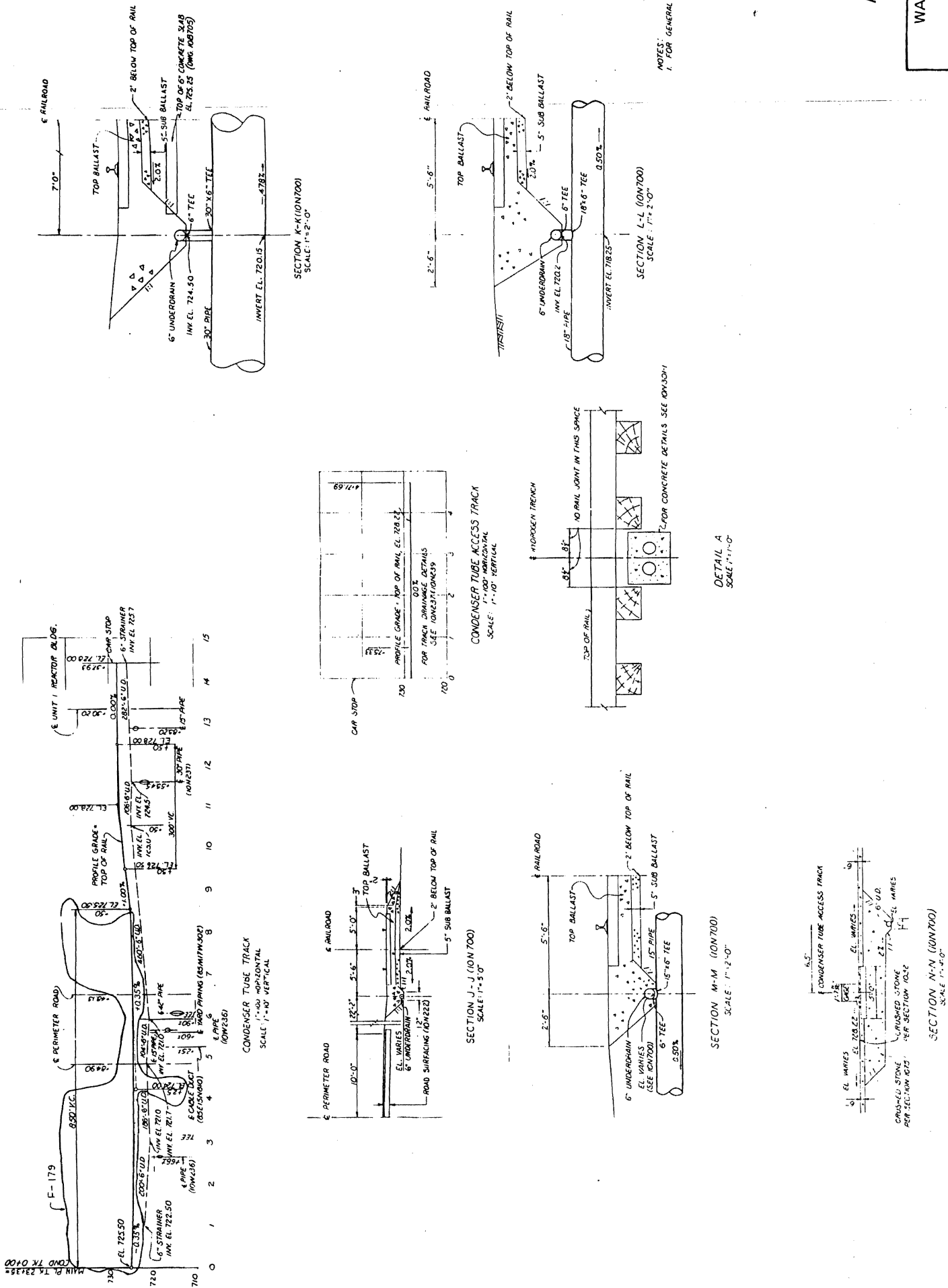


Figure 2.4-40f Main Plant Main Plant Tracks Sections & Profiles - Sheet 3

Figure 2.4-40g Yard, Grading Drainage and Surfacing Transformer & Switchyard - Sheet 1

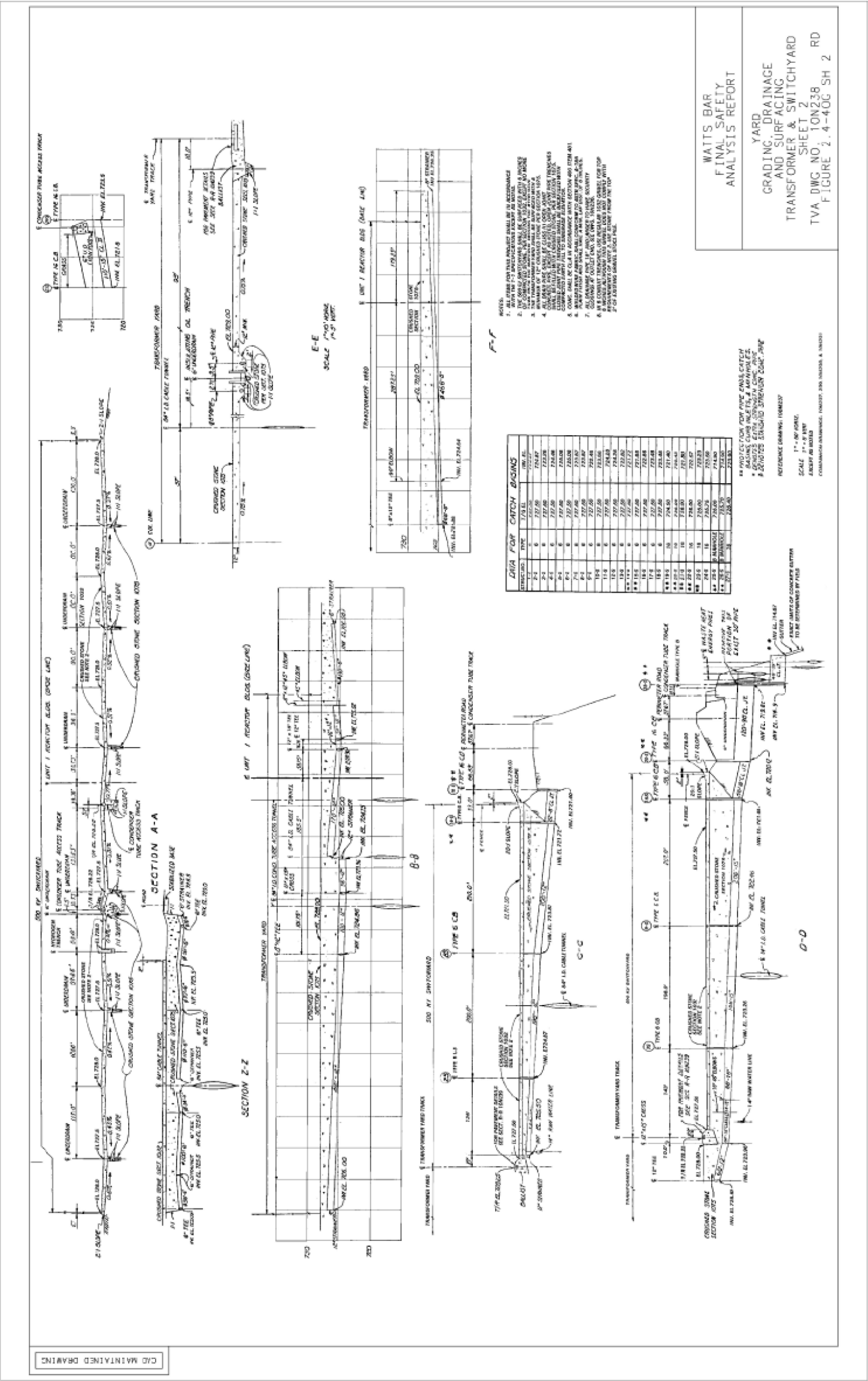


Figure 2.4-40g Yard, Grading Drainage and Surfacing Transformer & Switchyard - Sheet 2

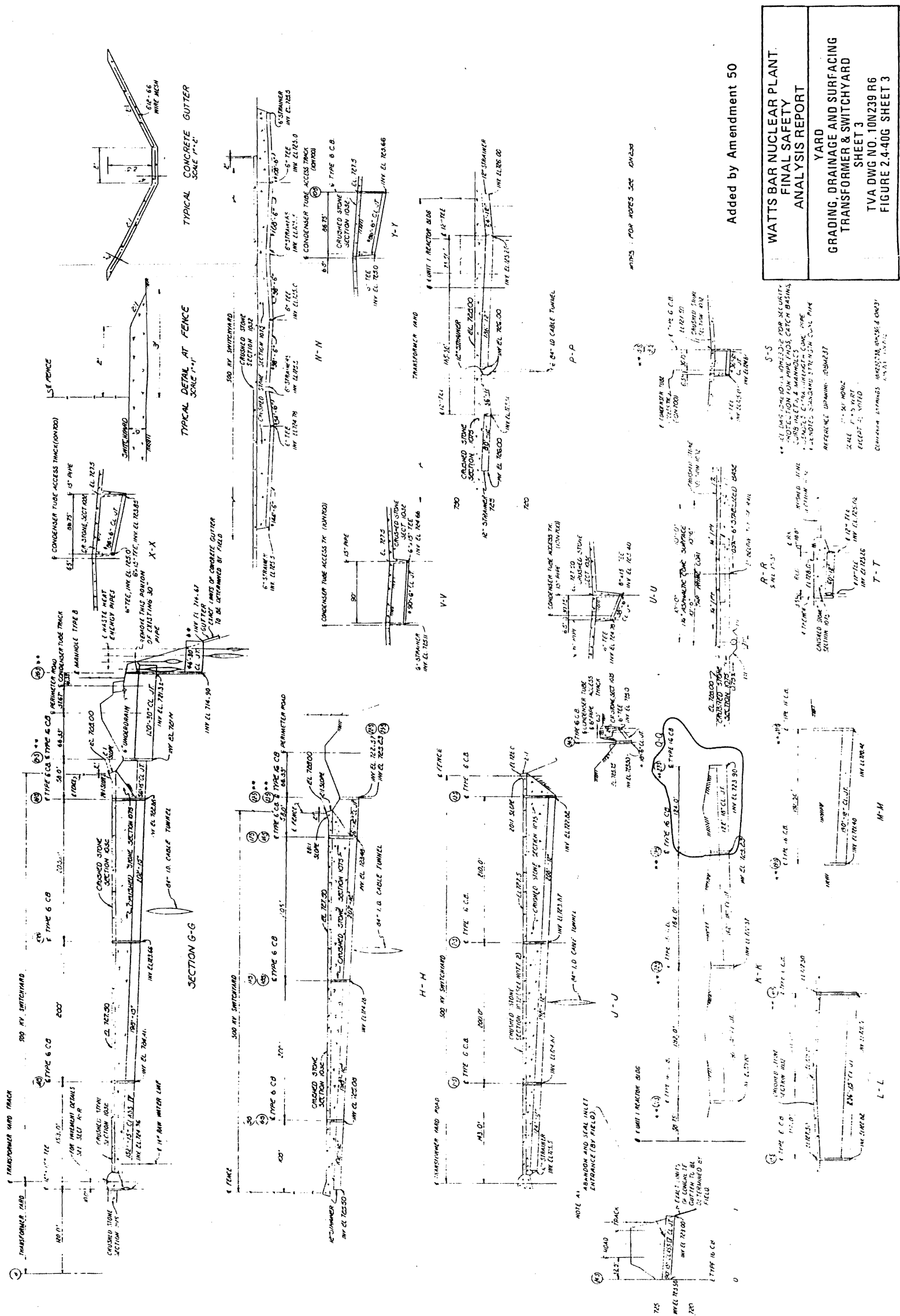
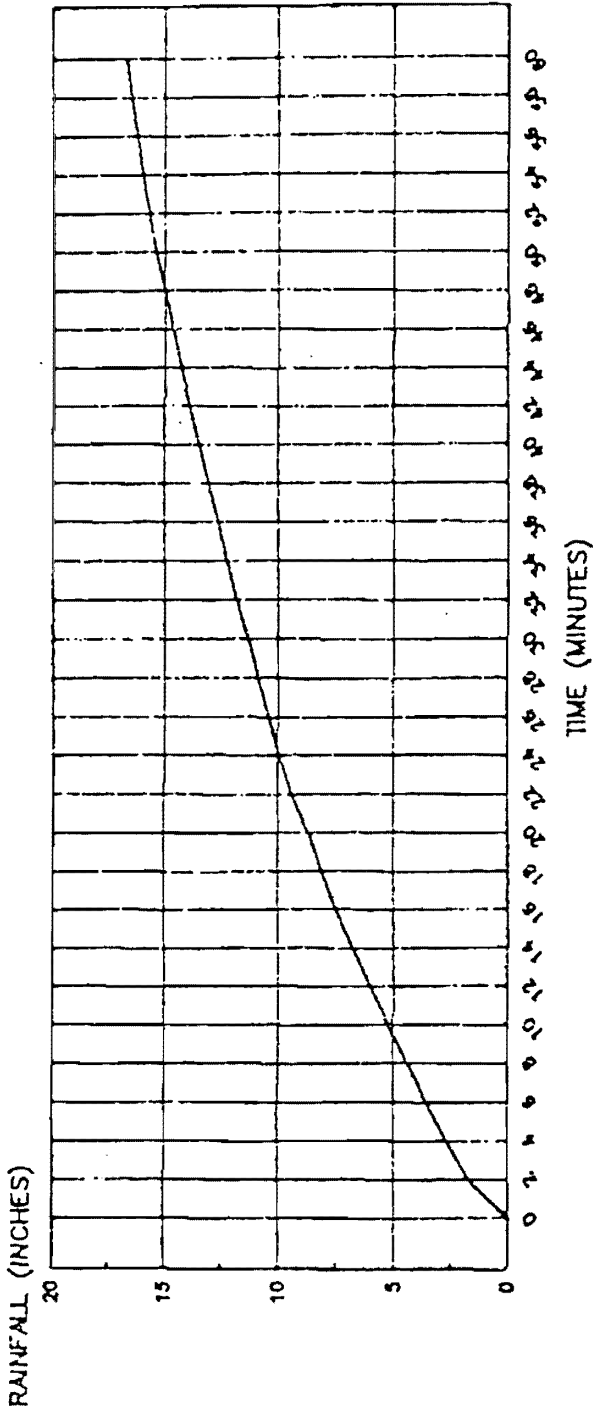


Figure 2.4-40g Yard, Grading Drainage and Surfacing Transformer & Switchyard - Sheet 3

PROBABLE MAXIMUM PRECIPITATION
BASED ON HYDROMETEOROLOGICAL REPORT NO. 56



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AMENDMENT 83

WATTS BAR NUCLEAR PLANT
FINAL SAFETY
ANALYSIS REPORT

PROBABLE MAXIMUM PRECIPITATION
• POINT RAINFALL
FIGURE 2.4-40h

Figure 2.4-40h Probable Maximum Precipitation Point Rainfall

Figure 2.4-40i Deleted by Amendment 83

Figure 2.4-40j Deleted by Amendment 83

Figure 2.4-40k Deleted by Amendment 83

Figure 2.4-40L Deleted by Amendment 83

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Figure 2.4-41 thru Figure 2.4-60 Are Not Used

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Figure 2.4-61 Deleted by Amendment 108

Figure 2.4-62 Deleted by Amendment 108

Figure 2.4-63 Deleted by Amendment 108

Figure 2.4-64 is not used