

**Tennessee Valley Authority
Regulatory Submittal for Kingston Fossil Plant**

**Documents submitted:
Ball Field Modifications – Road & Drainage Work Plan**

**Date submitted
11/20/2009**

**Submitted to whom
Leo Francendese**

Concurrence

Received	Not Applicable	TVA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mike Scott
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Steve McCracken
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kathryn Nash
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dennis Yankee
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Michelle Cagley
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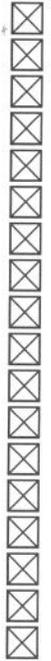
Received	Not Applicable	Jacobs
<input type="checkbox"/>	<input checked="" type="checkbox"/>	John Moebes
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Julie Pfeffer
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Jack Howard
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Donna Cueroni
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Approvals

TVA Michael J. Scott Date 11-20-09

EPA [Signature] Date 11-24-09

cc:



- Anda Ray, TVA
- Barbara Scott, TDEC
- Leo Francendese, EPA
- Mike Scott, TVA
- Dennis Yankee, TVA
- Kathryn Nash, TVA
- Cynthia Anderson, TVA
- Steve McCracken, TVA
- EDM
- Julie Pfeffer, Jacobs
- David Stephenson, TVA
- Michelle Cagley, TVA
- Greg Signer, TVA
- KIF Incident Document Control
- Katie Kline, TVA
- Gretchen Wahl, Jacobs
- Dannena Bowman, EPA
- Jeff Gary, Jacobs

WORK PLAN

BALL FIELD MODIFICATIONS- ROADS & DRAINAGE

1.0 Purpose of Work

This plan is to describe the work required to construct roads and drainage facilities for the “ball field”. This will provide an access way and a loading area that is functional in most weather conditions. The “ball field” is a triangular shaped twenty five (+\-) acre site with little or no relief, essentially level at elevation 768 with rail facilities along two sides and a sedimentation-recovery operation along the third side. Continuous movement of vehicles to and from the loading areas on an “ash only” level base creates ruts, low areas etc. that will not drain, and eventually renders the access ways and loading areas inaccessible and/or inoperative.

2.0 Design Components

The elevation of the “working base” of the ball field is to be modified to affect drainage and the access ways for traffic flow are to be placed at a “fixed location/elevation.” In addition, the access ways are to be converted into roads with a base, wearing surface and grade to accommodate the traffic loading. The roads, about 2800 linear feet, are to be 40’ wide to accommodate two way traffic, and will have a 24” stone base, with a 10” wearing surface of “crusher run” stone.

The grade of the roadways, preload and loading areas of the ball field are to be modified to achieve positive drainage. The northwest corner will be raised to an elevation of 776. From this highpoint, the grade (roads, drainage ditch, loading/staging area) decreases at approximately .4% toward the south and south east eventually draining into the sluice trench and the ash pond. The drainage from the ball field will be via open ditches except where vehicle traffic must traverse across the ditches. Piping will be installed in these locations plus at the terminus of the ditches at the southern end of the ball field to carry the runoff to the sluice trench and/or ash pond. Note attached sketch, AD-SK-008.

3.0 Construction Management

The Construction will be accomplished by conventional methods, using excavators, dozers, trucks, and other associated equipment. The abundance of activity in the area will require close coordination among all contractors. In addition to the regular traffic associated with ash processing and movement, delivery of the stone for the road construction will add to the density of traffic and other movement of equipment.

The ditches and pipes that are constructed will be routinely maintained. Depending on the weather conditions, the drainage system will be inspected and cleaned out to allow positive drainage.

4.0 Schedule

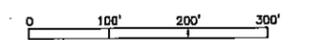
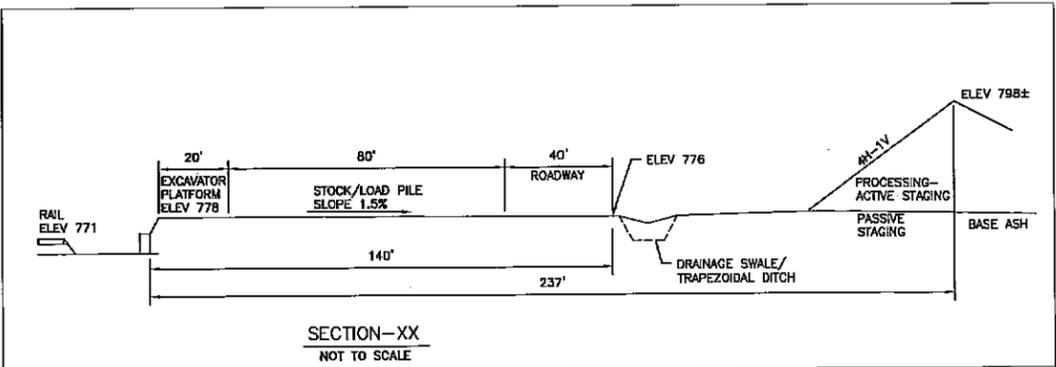
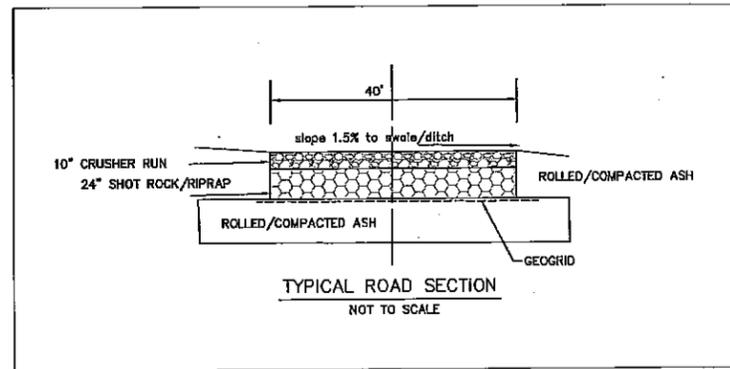
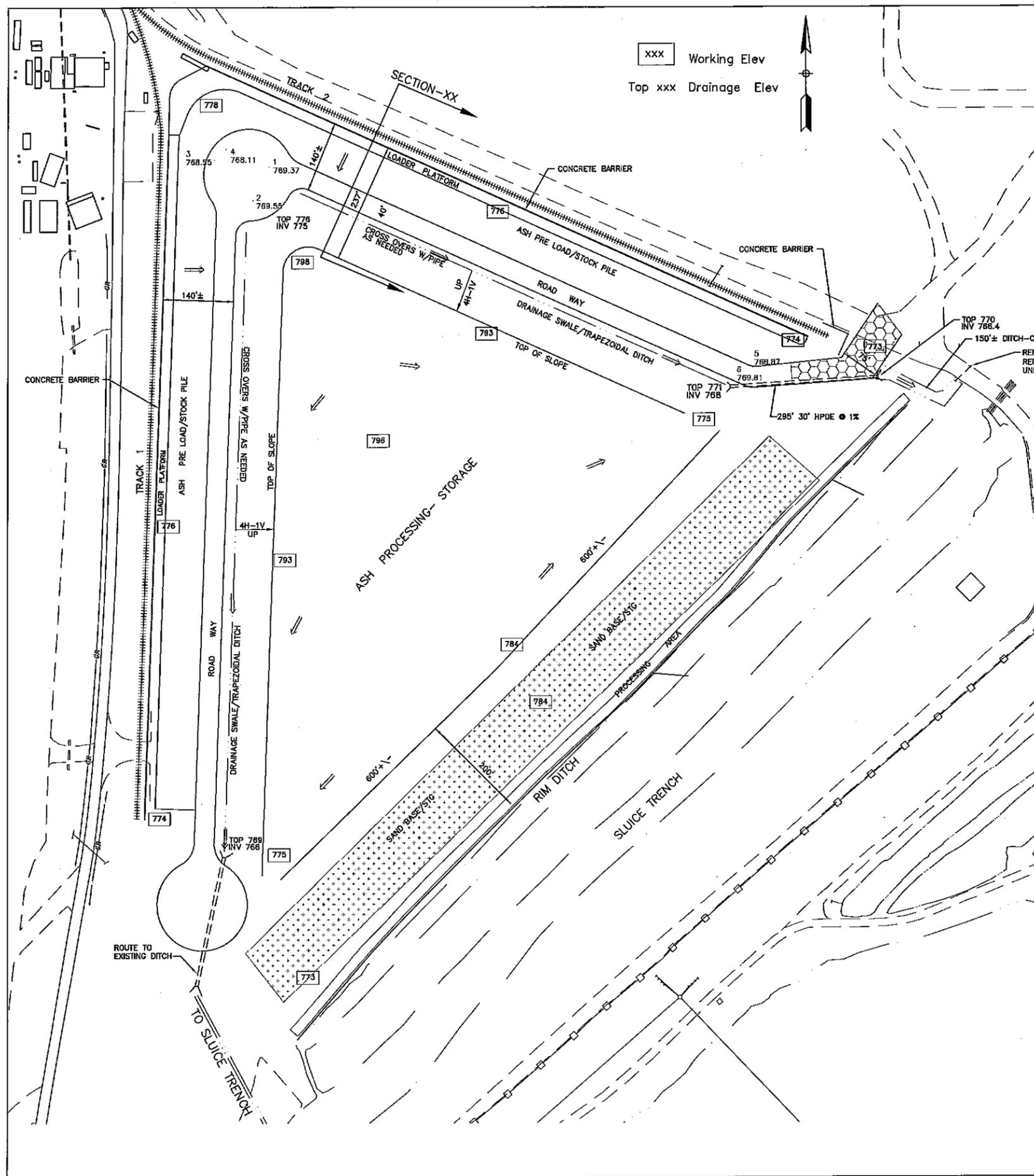
The work outlined above is anticipated to be started on 11-30-09 and be completed by 12-23-09. Work on the ball field will have to be completed in sections in order to minimize the impact to the ongoing operations.

5.0 Waste Management

No waste other than miscellaneous construction debris will be generated

6.0 Health and Safety

All construction activities will be done in accordance with site wide Health and Safety Plan. As noted above, increase in activity throughout the ball field will require very close coordination among the participants. Foot traffic in and around the area will increase significantly requiring a greater awareness on the part of the equipment operators. Work in close proximity of the operating equipment will be specifically addressed in the Job Safety Plan.



SEAL

JACOBS
KINGSTON FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
BALLFIELD RECONFIGURATION

DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	APPROVED BY
A	11/10/09	ISSUED FOR INFORMATION		

SCALE	PROJECT NO.	REV.
SHOWN	AD-SK-008	A