

# APPENDIX C

## Modified - Reduced Plan

FILE NO. 970011920

### **BLACK EAGLE MINERALS**

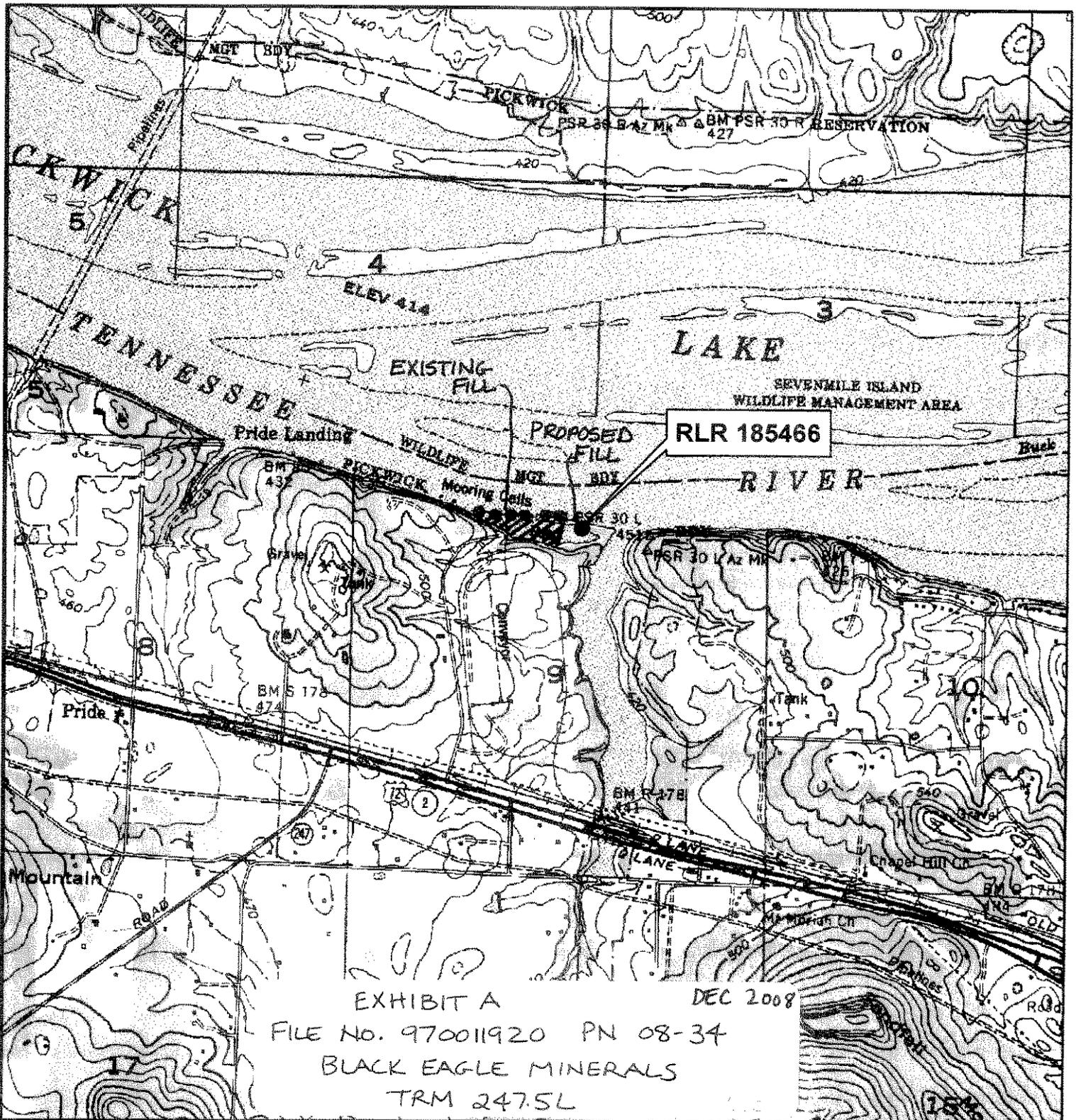
Request for a Proposed Expansion of an Existing Barge Loading Dock

Tennessee River Mile 247.5, Left Bank, Pickwick Lake, in Colbert County,  
Alabama

### **Amendment to Original Permit Request**

This summary addresses modifications to the original permit. The modifications include a solid sheet pile structure erected from cell to cell, as shown on the attached "Plan View" drawing. The sheet pile then turns 90 degrees inland (southwest) from the upstream cell and will be constructed an additional +/-40 linear feet. This configuration provides for an area of fill of approximately 1.0 acre. These modifications were incorporated to prevent encroachment of fill material into the adjacent wetland areas (+/-1.06 acres); and to accommodate water flow (from the upstream end of the facility) into the wetland area during periods of normal pool. As such this correspondence is being provided as a substitution to the original permit application.

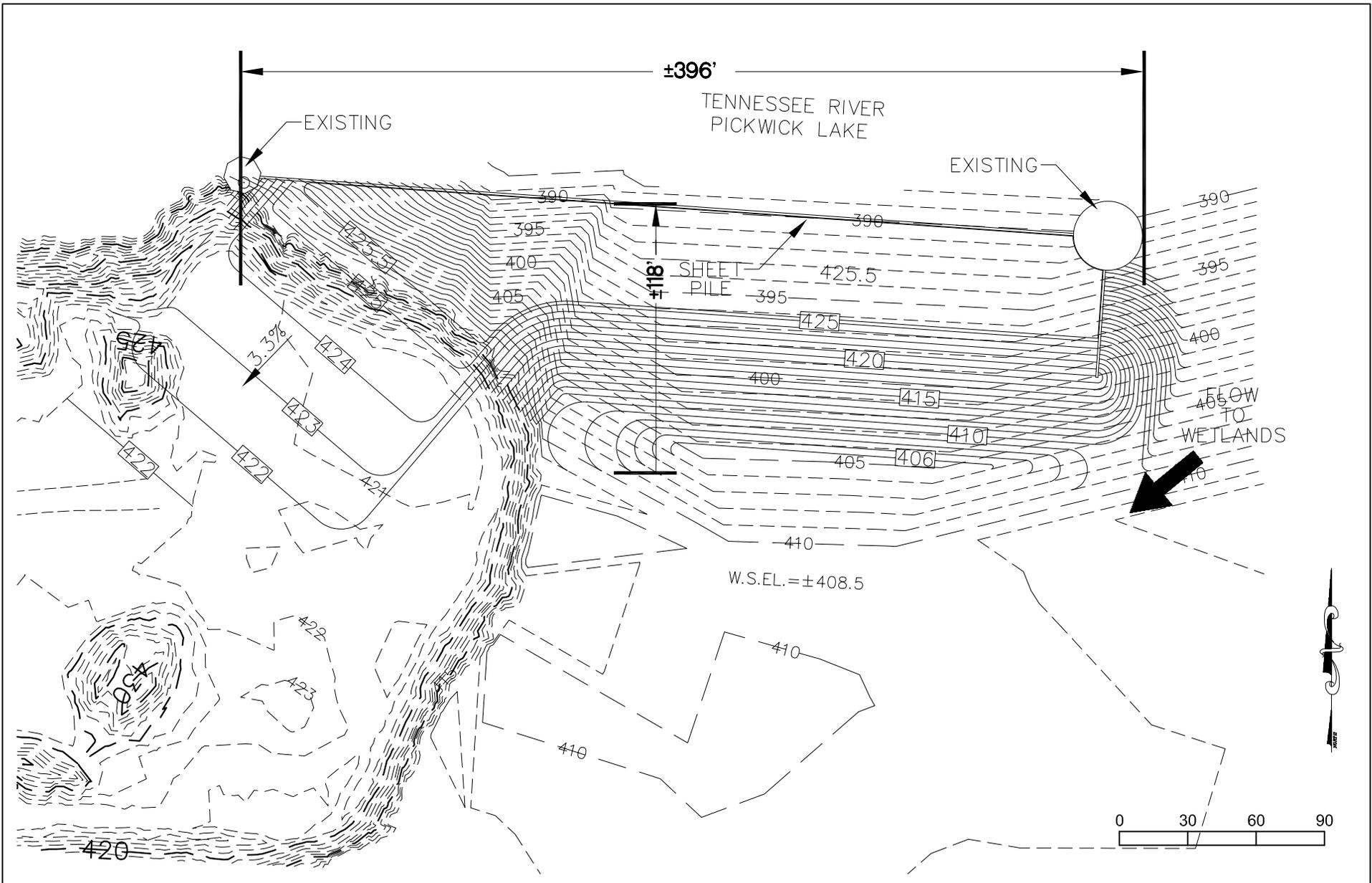
The construction of the proposed terminal facility, as noted in the attached "Plan View", requires additional fill material in the amount of 33,619 cubic yards to be placed in an area approximately 396 linear feet by 118 linear feet. The volume of material to be placed between elevations 408 and 414 MSL (Flood Storage Loss) equates to 6,413 cubic yards. The volume of material to be placed between elevations 408 and 425.3 MSL (Power Storage Loss) equates to 15,452 cubic yards. The utilization of the sheet piling, allows the ability to minimize the extent of the fill slopes, and fill volume, thereby leaving a natural channel on the upstream end of the proposed facility for ingress/egress water flow into the adjacent wetlands.



TVA		Location Map	
Project Location Information		PRIDE AL USGS MAP	
Applicant	Black Eagle Minerals, LLC	LAT	34-43-45
Reservoir	Pickwick	LONG	87-48-30
Tract Number	XPR-149	Map No.	46-D & 36NE Quad
Subdivision	N/A	River	Tennessee River
Lot No.	N/A	River Mile	247.7L

TVA Number Assigned  
**RLR 185466**





**EARTHWORK ESTIMATE**  
Total = 33,619 cyds (15% FILL FACTOR)

Displaced Power Storage  
(408-414MSL) = 6,413 cyds

Displaced Flood Control Storage  
(408-425.3MSL) = 15,452 cyds

**BWSC** | **BARGE  
WAGGONER  
SUMNER &  
CANNON, INC.**

ENGINEERS PLANNERS

Suite 800, 200 Clinton Avenue, Huntsville, Alabama 35801  
Phone (256) 533-1561 Fax (256) 533-1564

PLAN VIEW

BLACKEAGLE  
TERMINAL EXPANSION

PRIDE, COLBERT COUNTY, ALABAMA

DRAWN BY:

KFM

CHECKED BY:

KFM

DRAWING NO.:

**C1.0**

PROJECT NO.:

34030

DATE:

12/18/08



**EARTHWORK ESTIMATE**

Total = 33,619 cyds (15% FILL FACTOR)

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(408-414MSL) = 6,413 cyds

Displaced Flood Control Storage  
(408-425.3MSL) = 15,452 cyds

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AERIAL VIEW

BLACKEAGLE  
TERMINAL EXPANSION

PRIDE, COLBERT COUNTY, ALABAMA

DRAWN BY: KFM	CHECKED BY: KFM
DRAWING NO.: <b>C1.0</b>	
PROJECT NO.: 34030	DATE: 12/18/08