

## Information for File # 2011-02360-LED

<b>Applicant</b>	<b>Carlton County Transportation Department</b>
<b>Corps Contact</b>	Leslie Day
<b>Address</b>	1554 Highway 2, Suite 2 Two Harbors, Minnesota 55616
<b>E-Mail</b>	leslie.e.day@usace.army.mil
<b>Phone</b>	(651) 290-5693
<b>Primary County</b>	Carlton County
<b>Section</b>	Sections 9, 10, 16
<b>Township</b>	T. 46N.
<b>Range</b>	R. 16W.
<b>Information Complete On</b>	<b>February 28, 2014</b>
<b>Posting Expires On</b>	<b>March 21, 2014</b>
<b>Authorization Type</b>	LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

### **Project**

#### Project Description and Purpose:

The Carlton County Transportation Department is proposing to reconstruct and realign an approximately 2.6-mile segment of County State Aid Highway (CSAH) 8. This is State Aid Project (SAP) #s 009-608-014 and 009-608-018.

The purpose of the project is to improve safety on this segment of CSAH 8. Traffic on the road currently includes school buses, service provider trucks, and a high volume of logging trucks. The need for the project is to improve motorist safety due to the deficient horizontal and vertical curves, narrow driving surface, roadway flooding issues during spring thaw and high precipitation events, and an aging concrete box culvert over the Little Net River. The applicant has proposed to remedy these deficiencies by reconstructing the roadway to eliminate three nearly 90 degree horizontal curves by constructing two horizontal curves on a new alignment, replace the aging culvert, modify the culvert's approach grade with vertical curves, and raise the vertical grade of the existing road to elevate the roadbed out of the adjacent swamps to alleviate flooding issues and damage to the roadbed.

This segment of CSAH 8 is currently a gravel roadway, with a driving surface ranging from approximately 26 to 37-feet-wide with little to no shoulders. The project would involve widening the driving surface to 34-feet with two 12-foot driving lanes, 5 foot shoulders, and 3H:1V sideslopes.

Project Involves:

The project would result in the loss of some terrestrial habitat (primarily forested habitat) for a variety of wildlife.

The project is located within the 1854 Ceded Territory as determined by the Treaty of 1854.

Name, Area and Types of Waters (Including Wetlands) Subject to Loss:

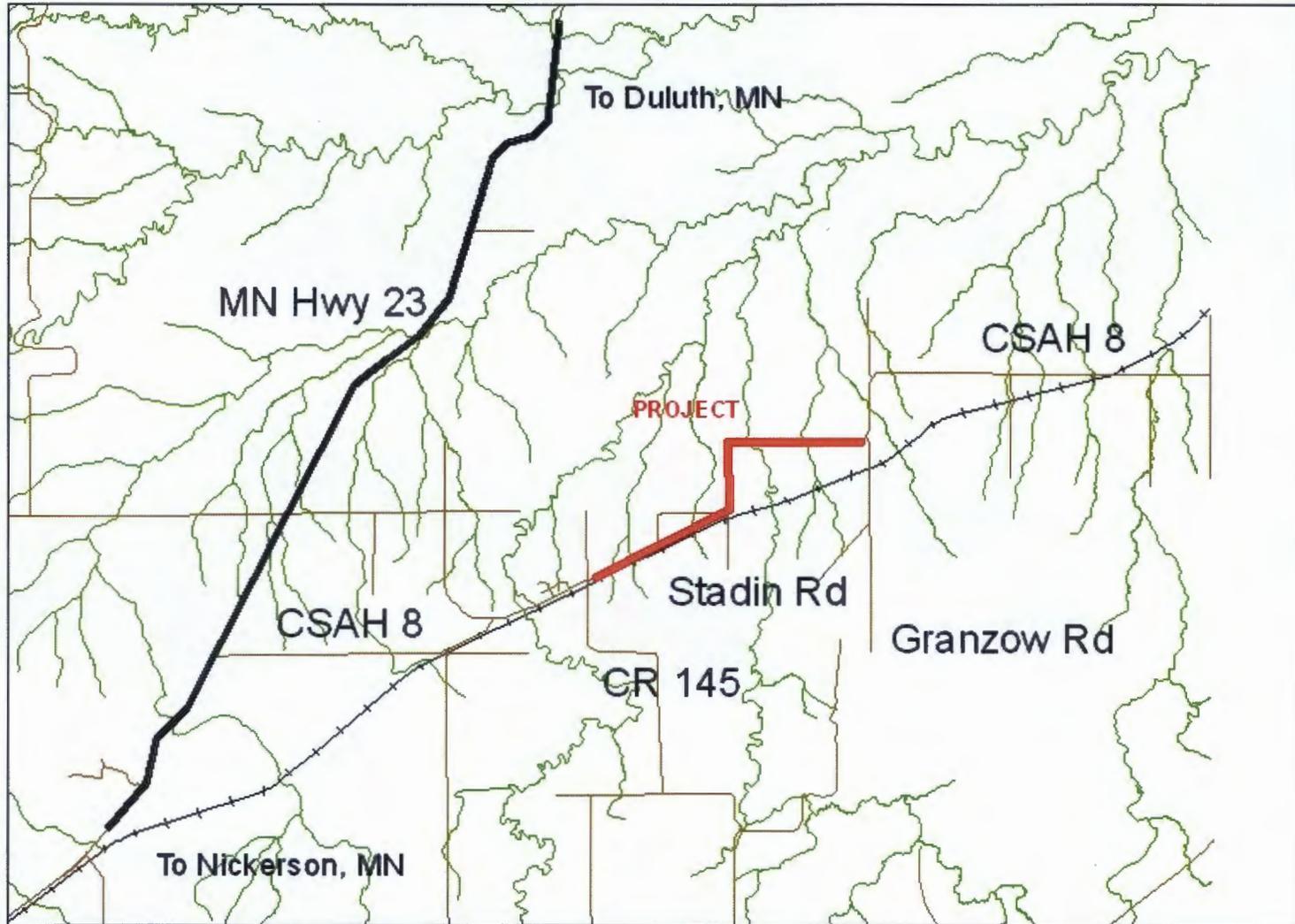
The project would involve the discharge of dredged and fill material in the Little Net River, unnamed tributaries, and approximately 1.98 acres of wetlands (0.56 acres of Type 1, 0.22 acres of Type 2, 0.24 acres of Type 6, and 0.28 acres of Type 7 wetlands) adjacent to the Little Net River for the reconstruction and realignment of the 2.6 mile long segment of CSAH 8 in Carlton County. During July 2013, the Corps field reviewed and verified the wetland boundaries as delineated.

From the typical cross-section provided, the project may involve the construction of new ditches or the deepening of existing ditches along the corridor. The Corps is requesting additional information on the 2.6 mile corridor, including ditch construction details, culvert details and alternatives analysis information, to complete our evaluation and environmental analyses of this project.

Compensatory Mitigation:

Compensatory mitigation for the approximately 1.98 acres of permanent wetland impacts in Bank Service Area (BSA) 1 would be required for the project under Section 404 of the Clean Water Act. The applicant has proposed to debit Corps approved mitigation credits from the BWSR Road Bank as compensation for these unavoidable impacts to waters of the United States. The specific BWSR Road Bank proposed will be required prior to a Section 404 decision.

**Drawings**      See attached.

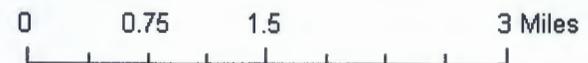


CSAH 8 Improvement Project  
Sections 16, 10, 9; T. 46N, R. 16W, Carlton County



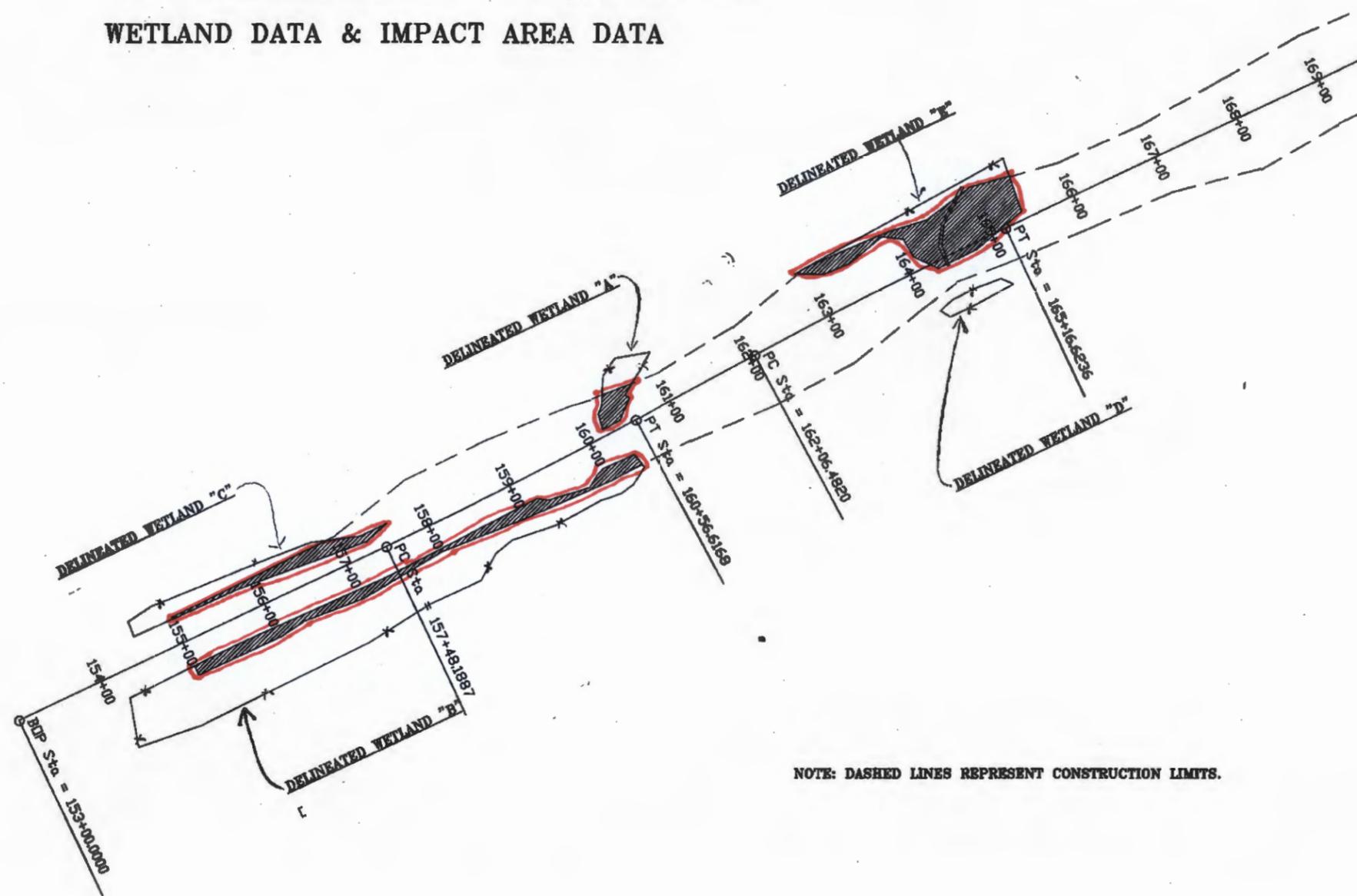
1.24.2014

2011-02360-LED  
Drawing 1 of 9



# CSAH-8 HOLYOKE

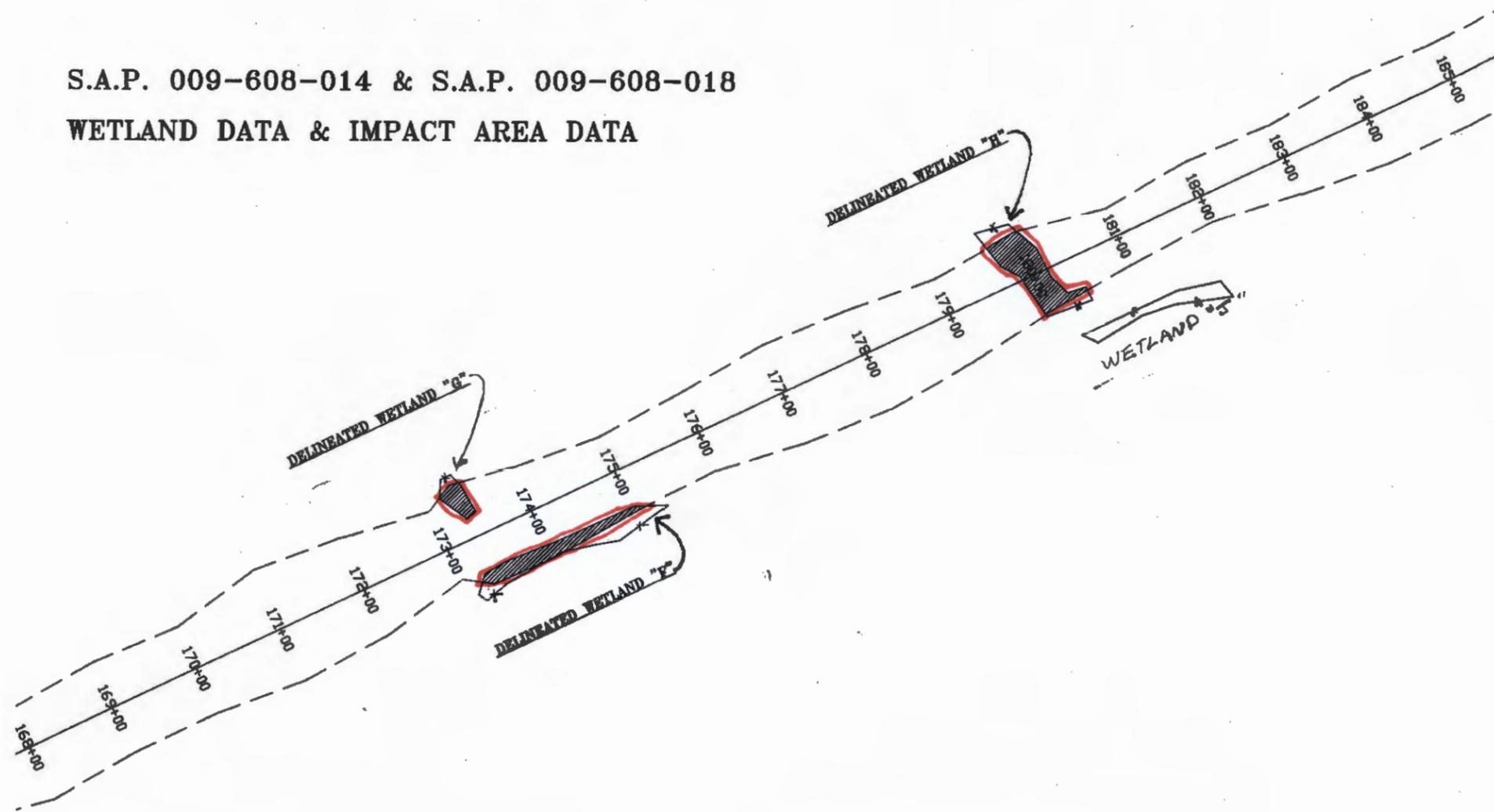
S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



NOTE: DASHED LINES REPRESENT CONSTRUCTION LIMITS.

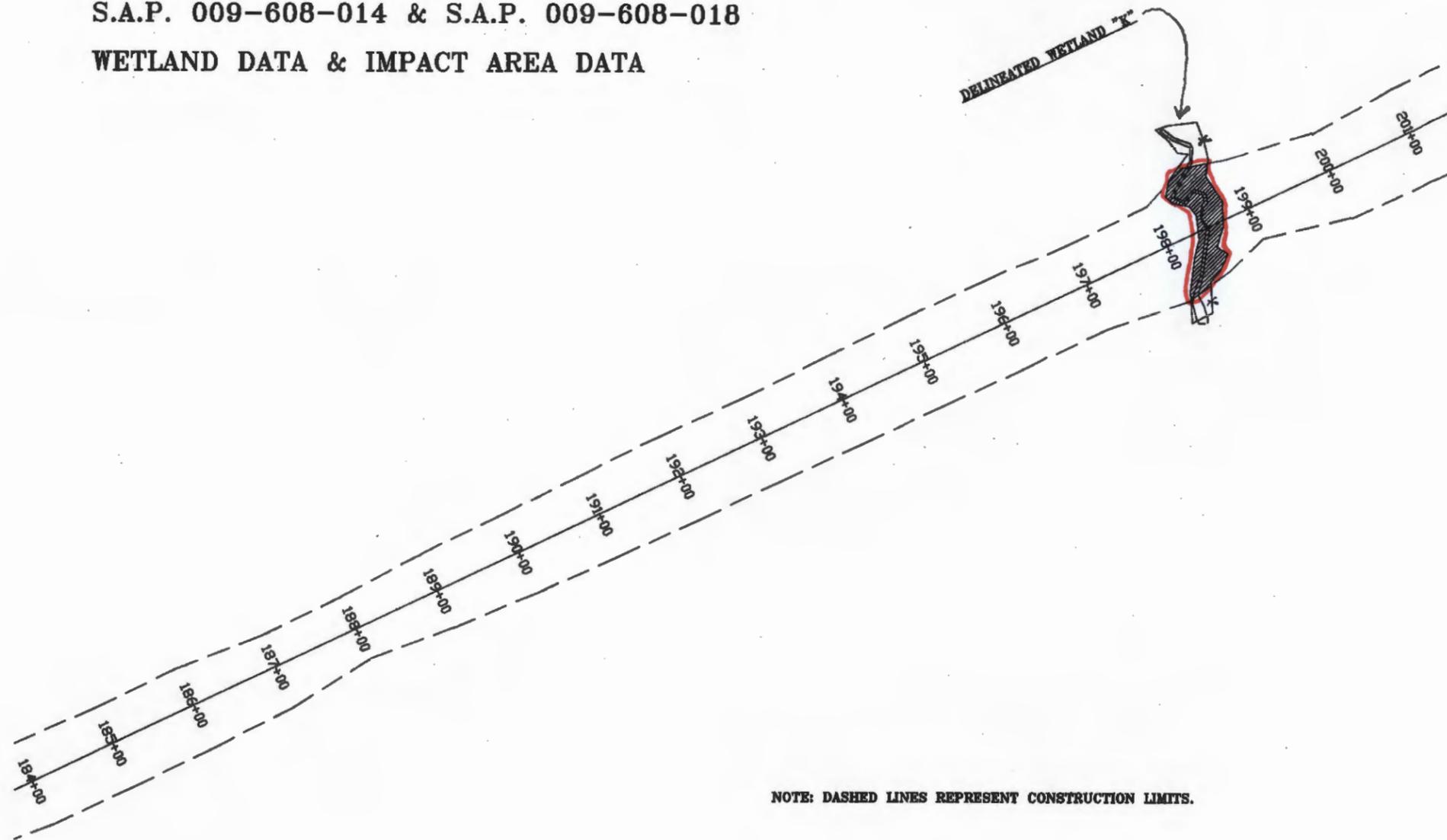
1 of 8

S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



NOTE: DASHED LINES REPRESENT CONSTRUCTION LIMITS.

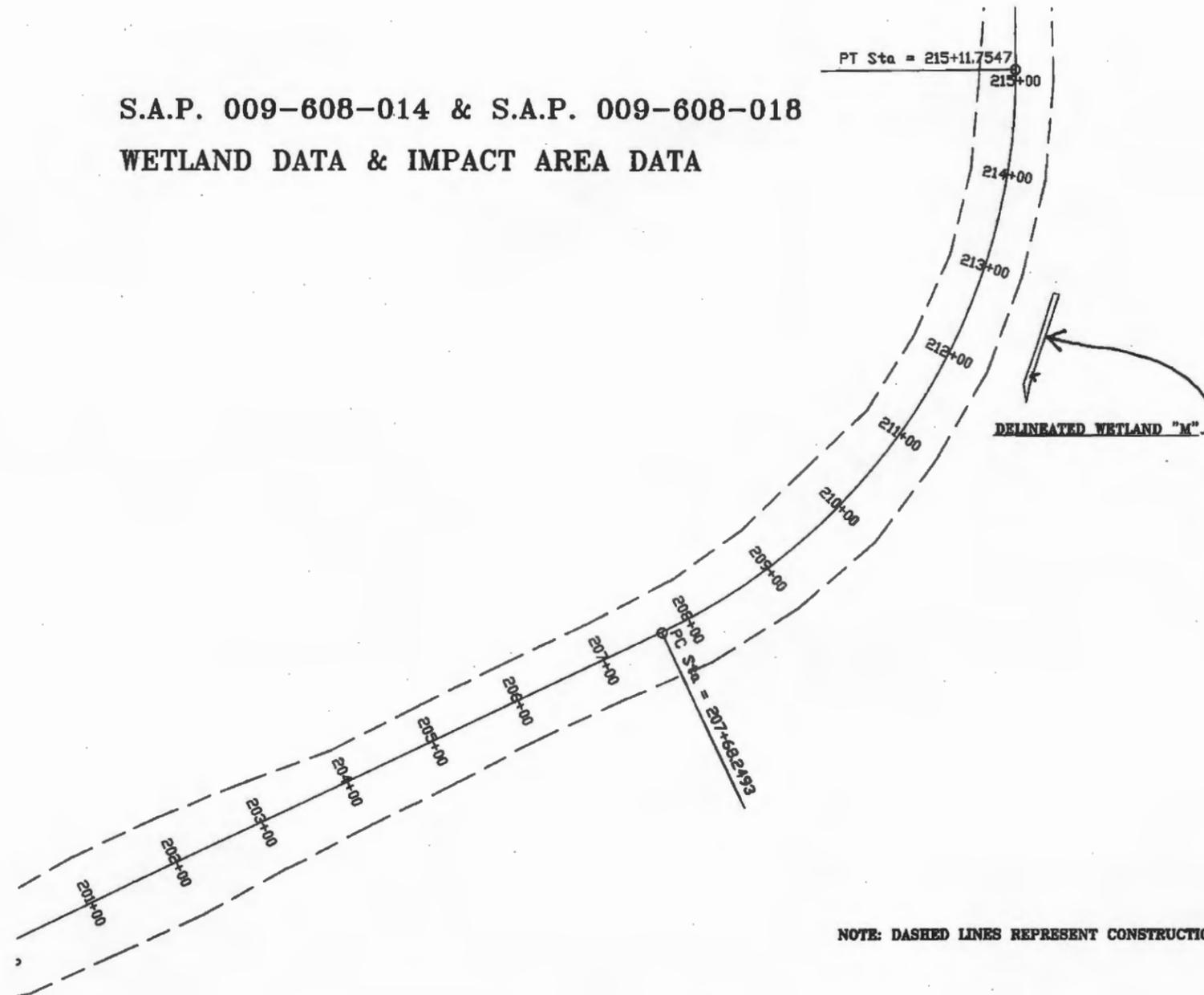
S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



NOTE: DASHED LINES REPRESENT CONSTRUCTION LIMITS.

3 of 8

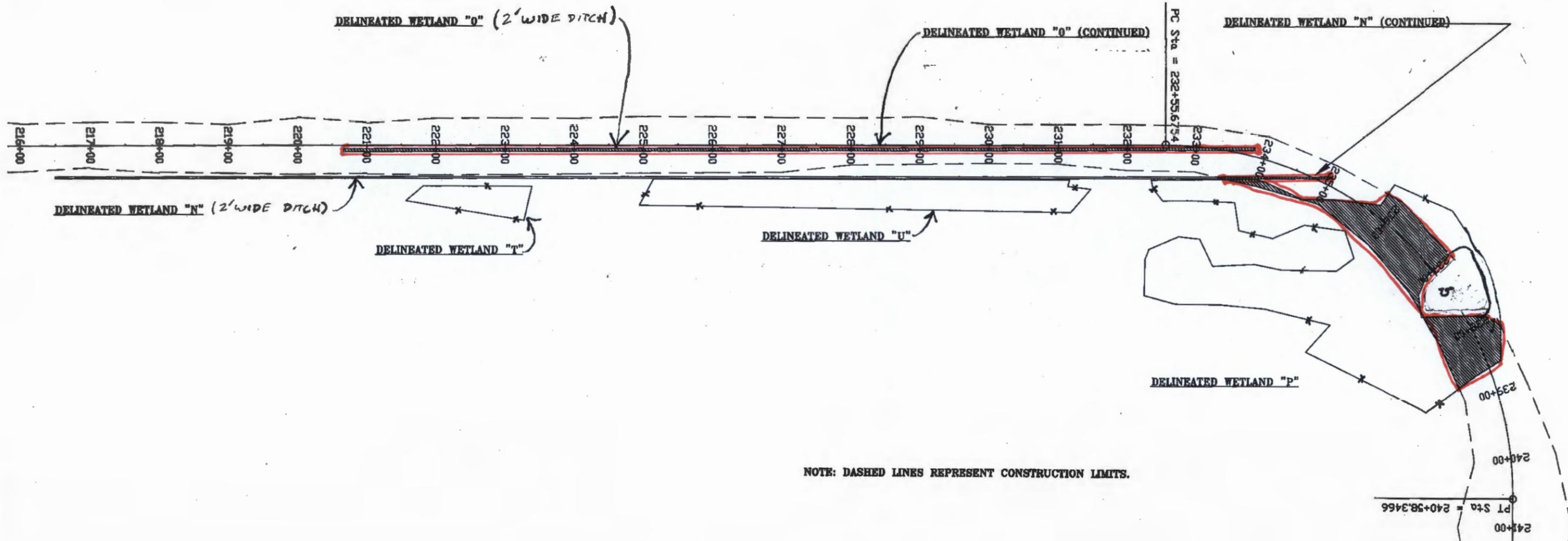
S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



NOTE: DASHED LINES REPRESENT CONSTRUCTION LIMITS.

4 of 8

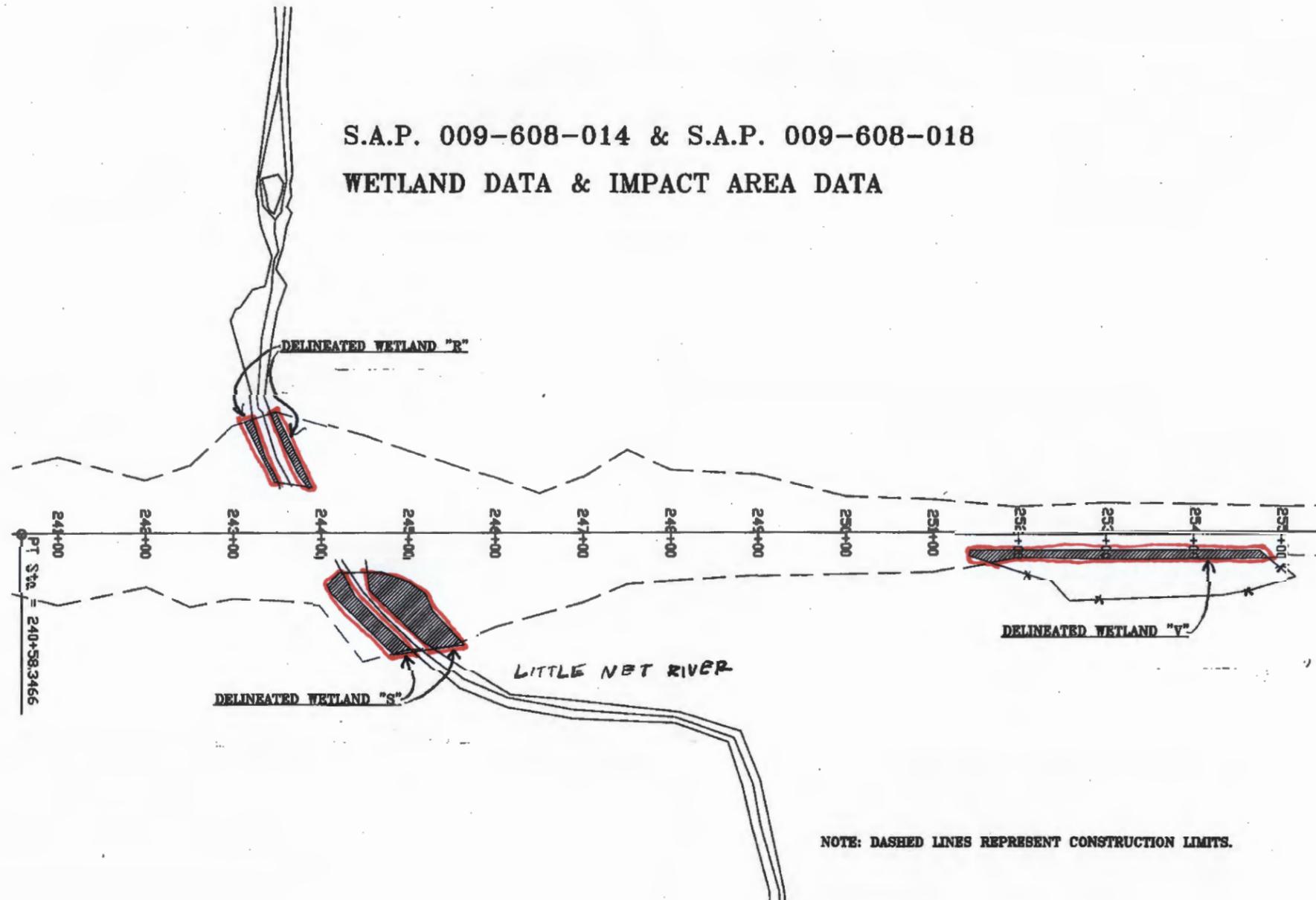
S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



0. 32

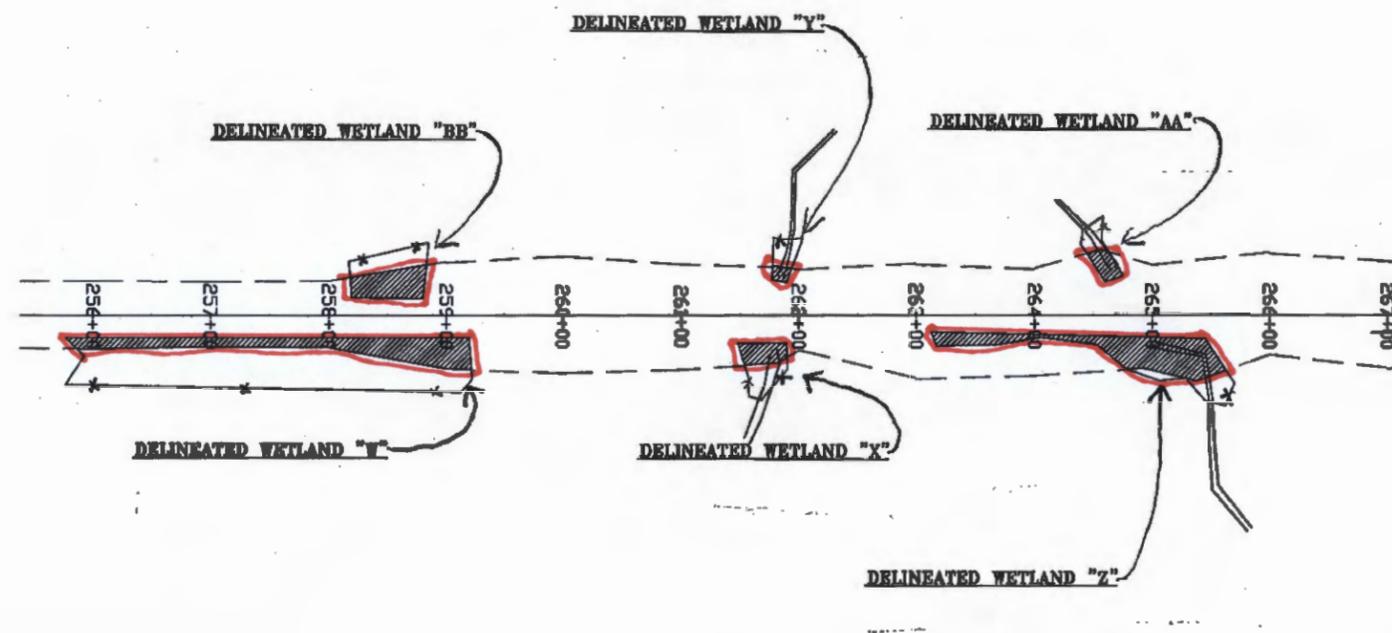
5 of 8

S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



6 of 8

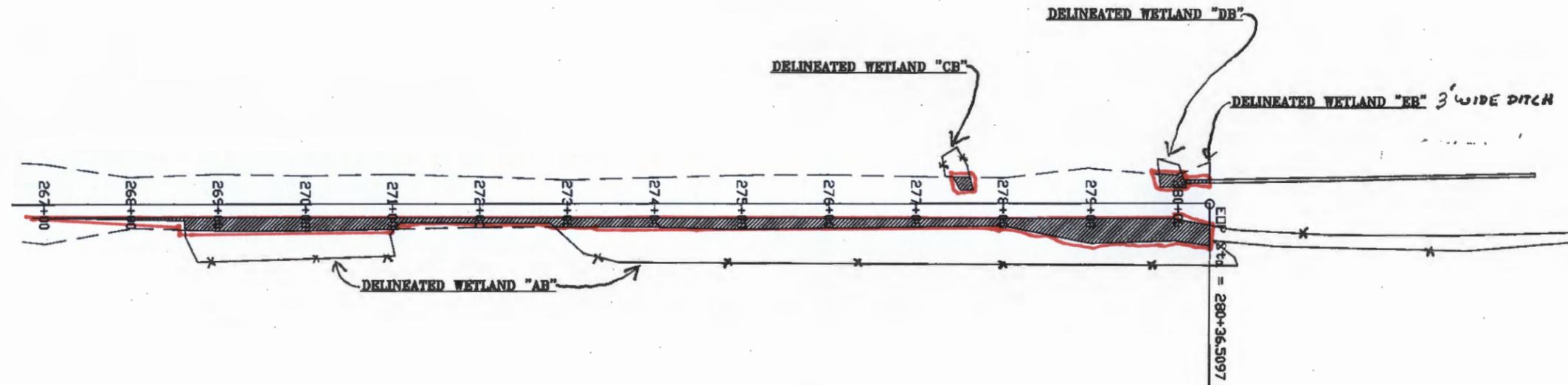
S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



NOTE: DASHED LINES REPRESENT CONSTRUCTION LIMITS.

7 of 8

S.A.P. 009-608-014 & S.A.P. 009-608-018  
WETLAND DATA & IMPACT AREA DATA



NOTE: DASHED LINES REPRESENT CONSTRUCTION LIMITS.

8 of 8