

## Information for File # 2013-00181-JTF

**Applicant** Jay Cooke State Park

**Corps Contact** Josh Fitzpatrick

**Address** 1554 Highway 2, Suite 2, Two Harbors, MN 55616

**E-Mail** joshua.t.fitzpatrick@usace.army.mil

**Phone** (651) 290-5694

**Primary County** Carlton County

**Sec/Township/Range:** NW ¼, SW ¼, Sec. 15, T. 48N., R. 16 W.

**Information Complete On** February 5, 2013

**Posting Expires On** February 18, 2013

**Authorization Type** 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 PURPOSE & NEED:** Jay Cooke State Park had a bridge across Silver Creek, a trout bearing stream, wash out during a 500-year storm event in June, 2012. The Silver Creek Trail is a state hiking and cross country ski trail within the park. Without the bridge there would not be trail connectivity across Silver creek thereby making the trail impassable.

**PROJECT DESCRIPTION:** The replacement bridge would be a 12-foot by 60-foot clear span, core ten steel truss bridge set on concrete abutments founded upon helical piers. The bridge would be moved slightly from its current alignment and location so that the span is perpendicular to the stream.

Riprap would be placed on both banks of the river in a 30-foot by 26-foot area underneath the proposed replacement bridge. Bridge abutments would be installed behind the riprap.

Construction access would be from the south off of County Road 18 near the town of Wrenshall via a gated farmstead road. The trail connects in with the farmstead road. No temporary impacts to wetlands would occur with construction access. Construction materials would be stored on the trail intersection.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:** The project would result in 1,560 square feet of impacts below the ordinary high water line.

**ALTERNATIVES CONSIDERED:** The no action alternative was dismissed since it would not meet the need of the project to reconnect the Silver Creek Trail.

A culvert was proposed with earthen material overlain on top across the creek. This alternative would create negative environmental effects to the bed of Silver Creek and was dismissed.

**COMPENSATORY MITIGATION:** Compensatory mitigation will not be required for this project since impacts below the ordinary high water line are minimal.

**DRAWINGS:** See attached.

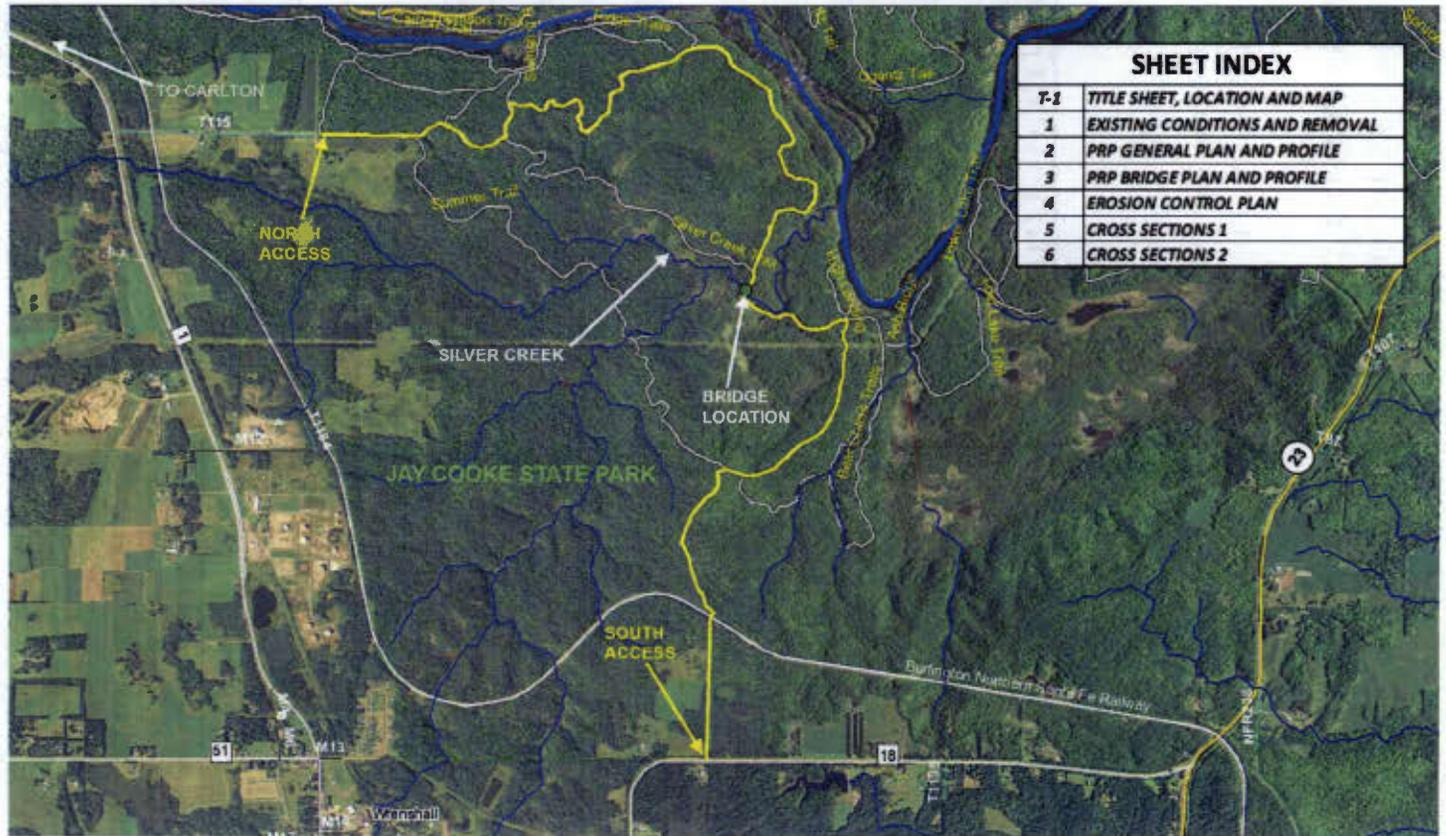
# MINNESOTA DEPARTMENT OF NATURAL RESOURCES - DIVISION OF PARKS AND TRAILS

## JAY COOKE STATE PARK

### SILVER CREEK BRIDGE REPLACEMENT



BRIDGE LOCATION	UTM ZONE 15	
	EASTING	NORTHING
	549236	5165539
	LAT/LONG	
	DECIMAL DEGREES	
	EASTING	NORTHING
-92.356665	46.641601	



SHEET INDEX	
T-1	TITLE SHEET, LOCATION AND MAP
1	EXISTING CONDITIONS AND REMOVAL
2	PRP GENERAL PLAN AND PROFILE
3	PRP BRIDGE PLAN AND PROFILE
4	EROSION CONTROL PLAN
5	CROSS SECTIONS 1
6	CROSS SECTIONS 2

CALL BEFORE YOU DIG



VERIFY ALL DIMENSIONS AND LOCATIONS ON THE JOB REPORT ALL DISCREPANCIES TO MANAGEMENT RESOURCES  
DO NOT SCALE DRAWINGS

Approval	
Division of Parks and Trails	Date
Management Resources	Date



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 Date: 9/27/2011  
 Reg. Number: 26475  
**PRELIMINARY**

**Management Resources**  
 Safety  
 Facilities  
 Materials  
 Equipment  
 Field Operations  
 Information Management

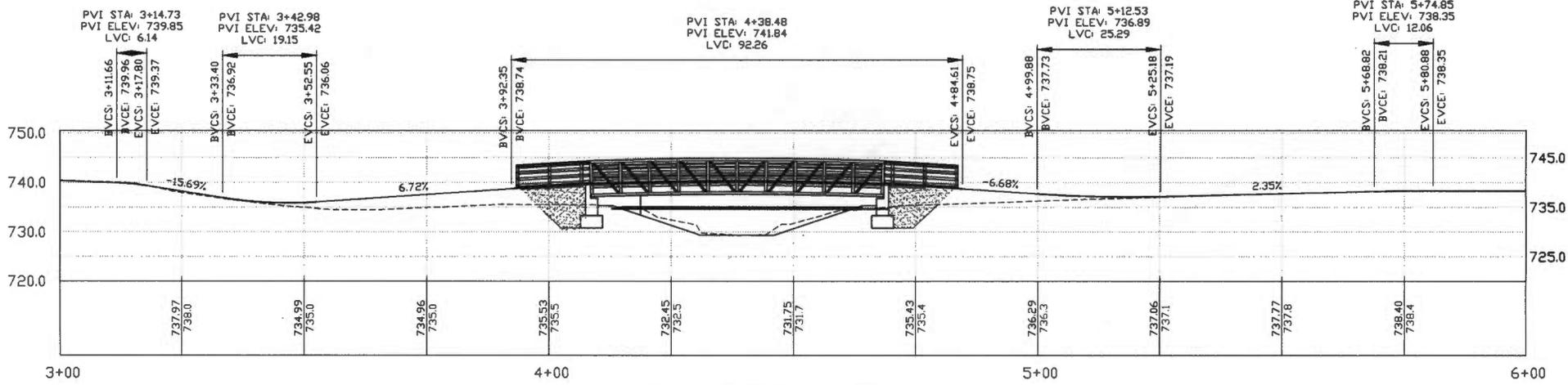
**DNR Division of Parks and Trails**  
**Silver Creek Bridge Replacement**  
 Jay Cooke State Park  
 Carlton County Section 15 Township 48 N Range 16 W

Revisions	
Date	By

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Drawn: DA 811	Drawn: DA 811		
Checked: NA	Checked: PO 811		

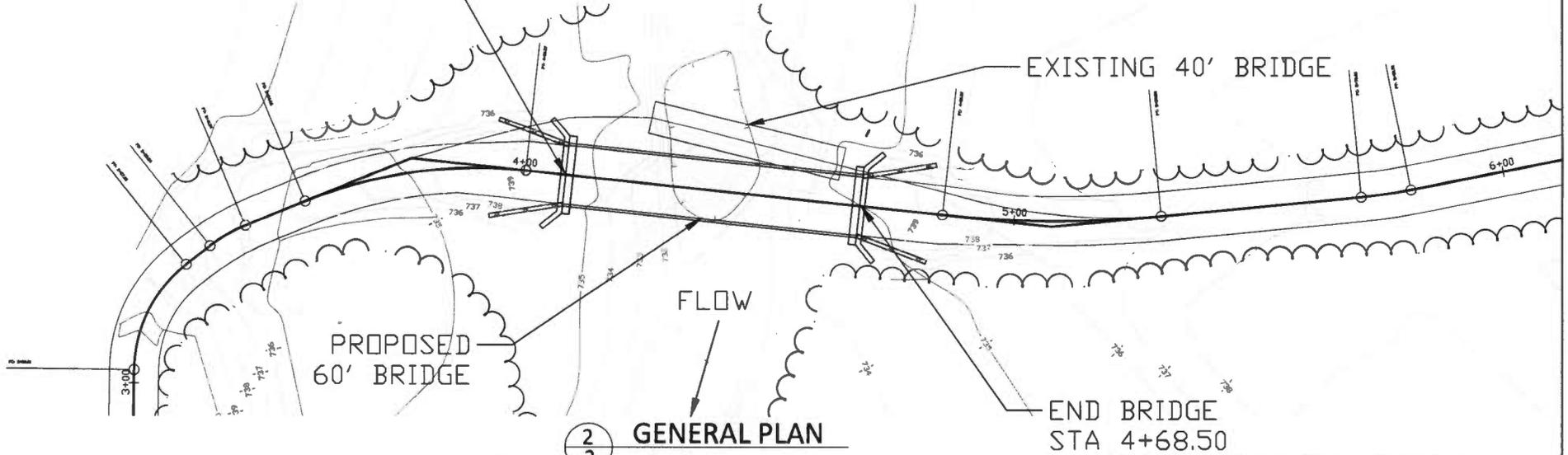
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Reg. Number	HP110860
File Number	SPK00187
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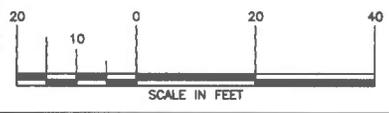


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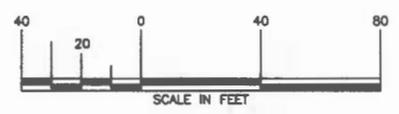
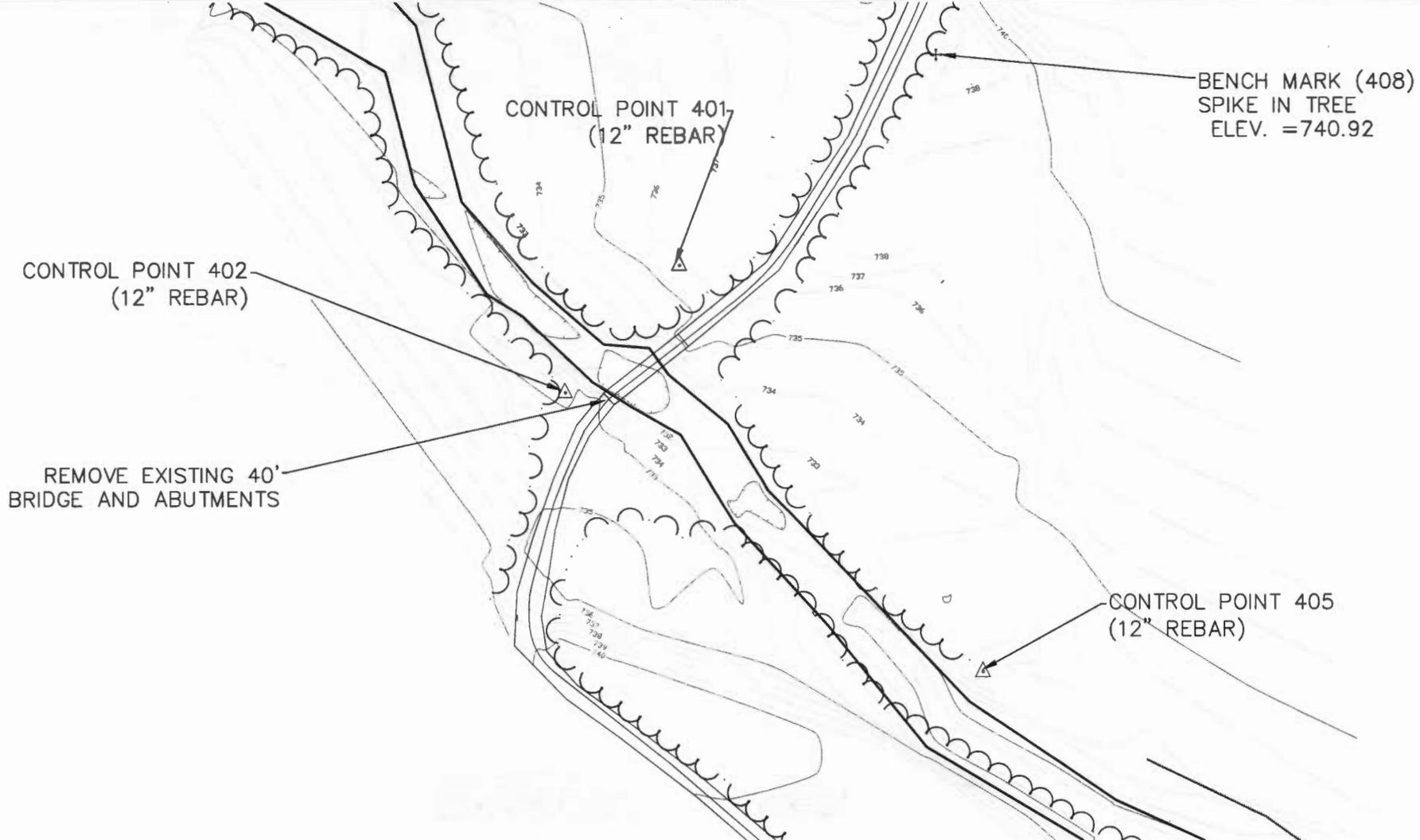
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**2**  
**2**  
**GENERAL PLAN**



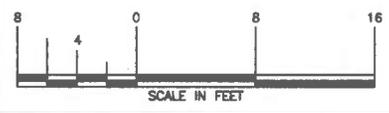
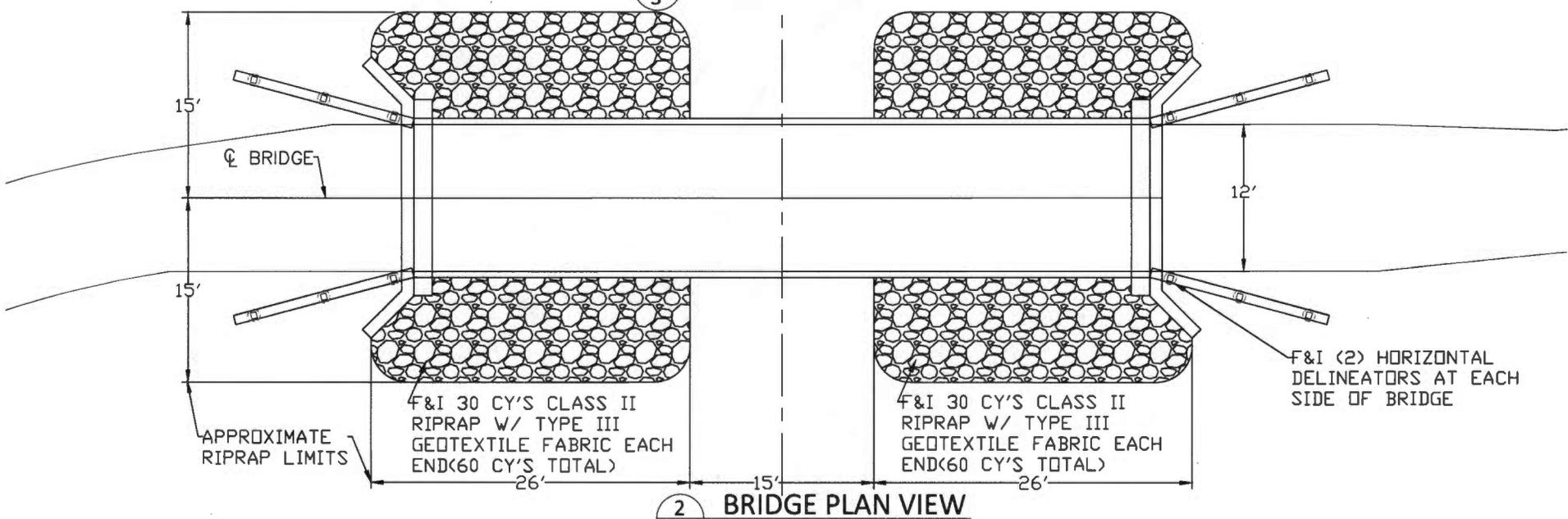
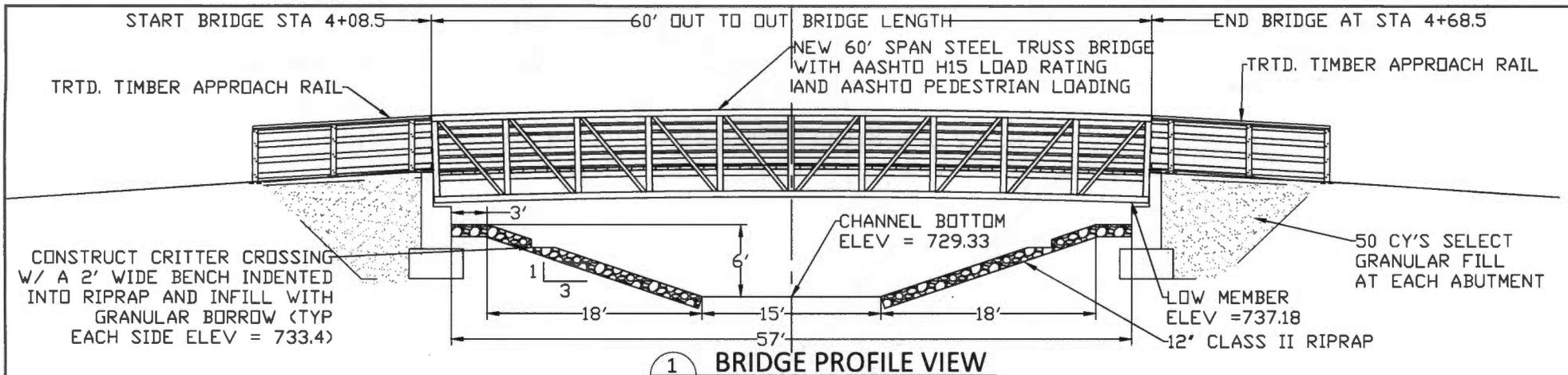
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**1**  
**1** EX. CONDITIONS AND REMOVALS

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		Carlton County Near Carlton	Minimum Scale: 1:25,000    Maximum Scale: 1:25,000			



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DEPARTMENT OF NATURAL RESOURCES

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**PRELIMINARY**

Professional Engineer License Number: 26475

DATE: 8-27-2011

Management Resources  
Safety  
Facilities  
Materials  
Equipment  
Field Operations  
Information Management

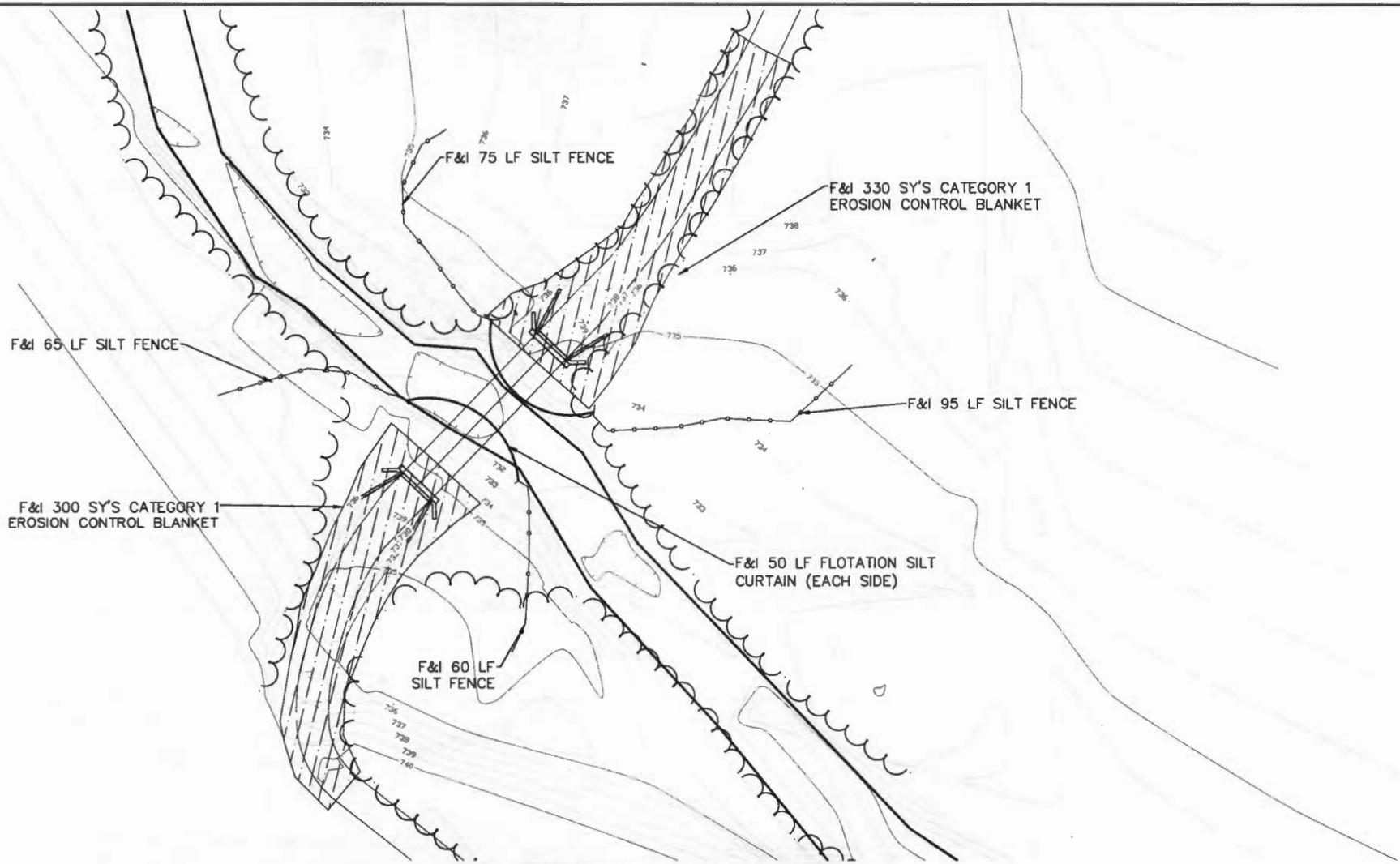
DNR Division of Parks and Trails  
Silver Creek Bridge Replacement  
Jay Cooke State Park

Carlton County      Section: 15      Township: 48 N      Range: Rar

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Date	By	Drawn	Checked
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		DAPO 8/11	PO 8/11
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File Number	HP110860
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1  
4 EROSION CONTROL PLAN



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PRELIMINARY  
Date: 08/2011  
Reg. Number: 26475

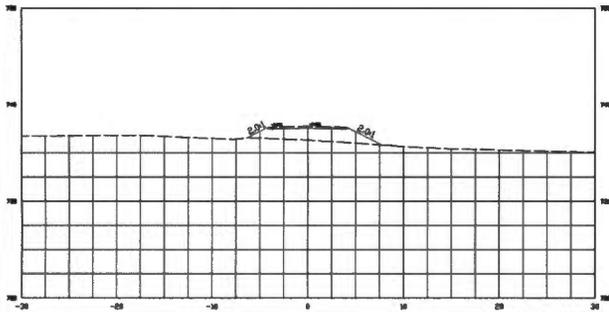
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Safety  
Facilities  
Materials  
Equipment  
Field Operations  
Information Management

**DNR Division of Parks and Trails**  
Silver Creek Bridge Replacement  
Jay Cooke State Park  
Carlton County Near Carlton  
Section 15 Township 48 N Range 16 W

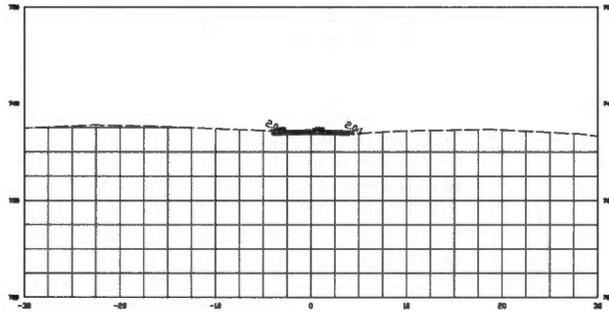
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Date	By

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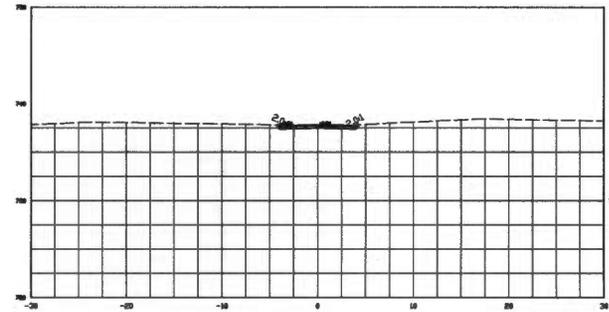
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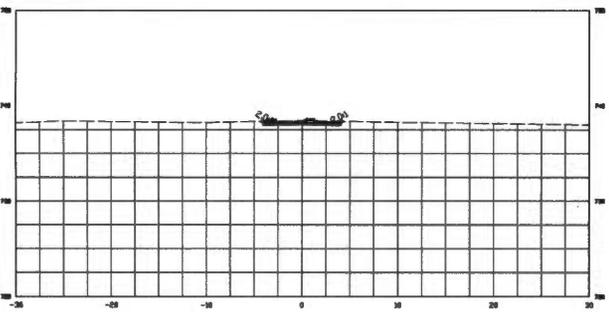
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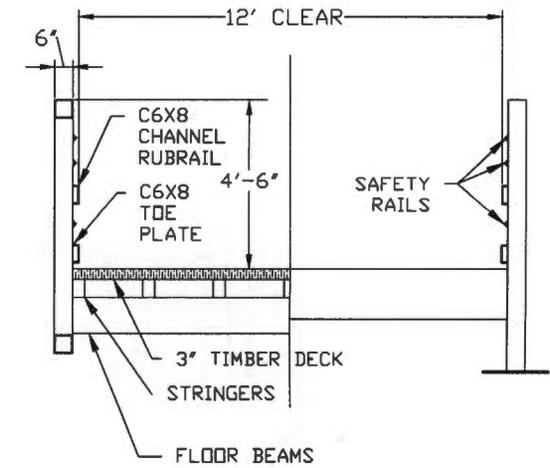
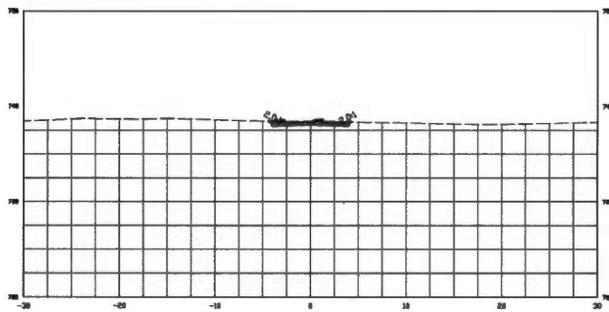
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5+75



6+00



**1**  
**6** CROSS SECTIONS  
5+00 TO 6+00

**2**  
**6** BRIDGE CROSS SECTION

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Date: 9-27-2011  
Reg. Number: 26475

**PRELIMINARY**

**Management Resources**  
Safety  
Facilities  
Historic  
Equipment  
Field Operations  
Information Management

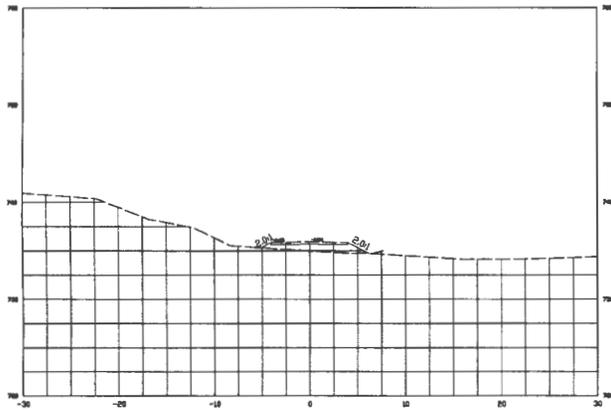
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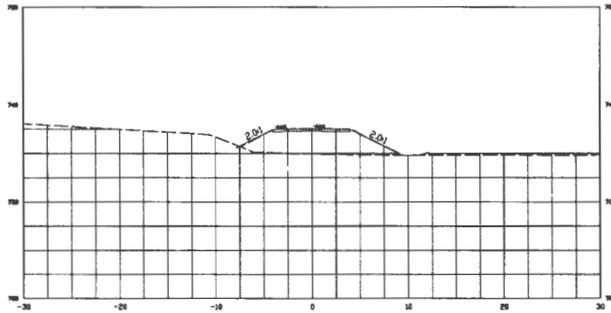
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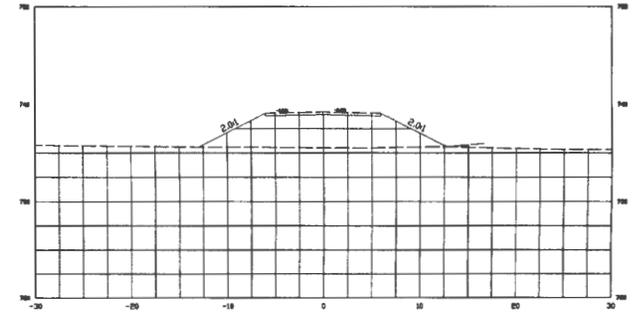
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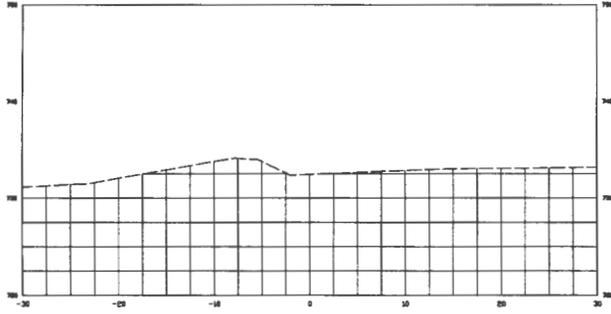
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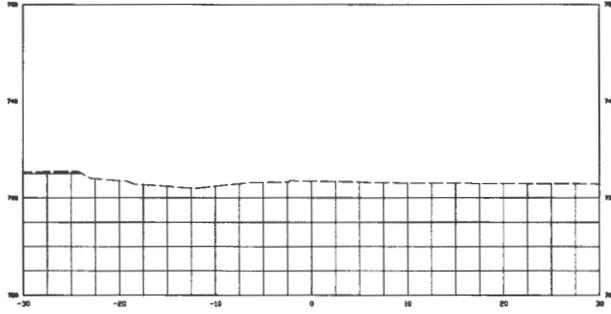
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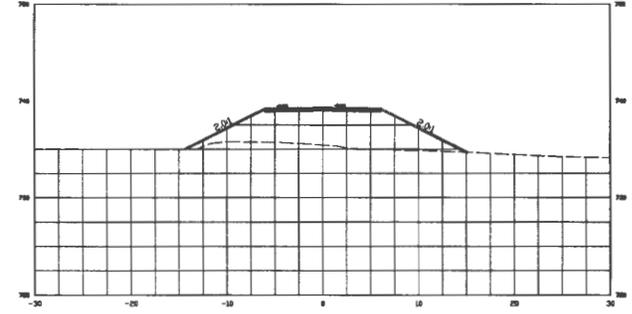
4+25



4+50



4+75



**1**  
**5** CROSS SECTIONS  
3+50 TO 4+75

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Project Number: 26475  
Date: 11/2011

**PRELIMINARY**

**Management Resources**  
Safety  
Facilities  
Materials  
Equipment  
Field Operations  
Information Management

**DNR Division of Parks and Trails**  
Silver Creek Bridge Replacement  
Jay Cooke State Park

Carlton County      Near Carlton  
Section 15      Township 46 N      Range 16 W

Revisions	
Date	By

CROSS SECTIONS			
Date	By	Date	By
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Drawn:	DA 8/11	Drawn:	DRA 8/11
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Proj. Number: HP110860  
File Number: SPK00187  
Date: 8/11