

**BENCHMARK:**

A chiseled "X" in a concrete pad.  
B.M. - 2 Sta. 98+91.22, 14.51 Lt.  
Elevation 609.28

**EXISTING STRUCTURE:**

Existing Str. No. 092-6009; PPC Deck Beams on Closed Concrete Abutments with Concrete Wingwalls.  
±15'-0" O.-O. of Deck  
±65'-0" Bk.-Bk. Abutments

**PROPOSED STRUCTURE:**

Single Span PPC Bulb-T beam shown below.  
107'-0" Bk.-Bk. of Integral Abutments

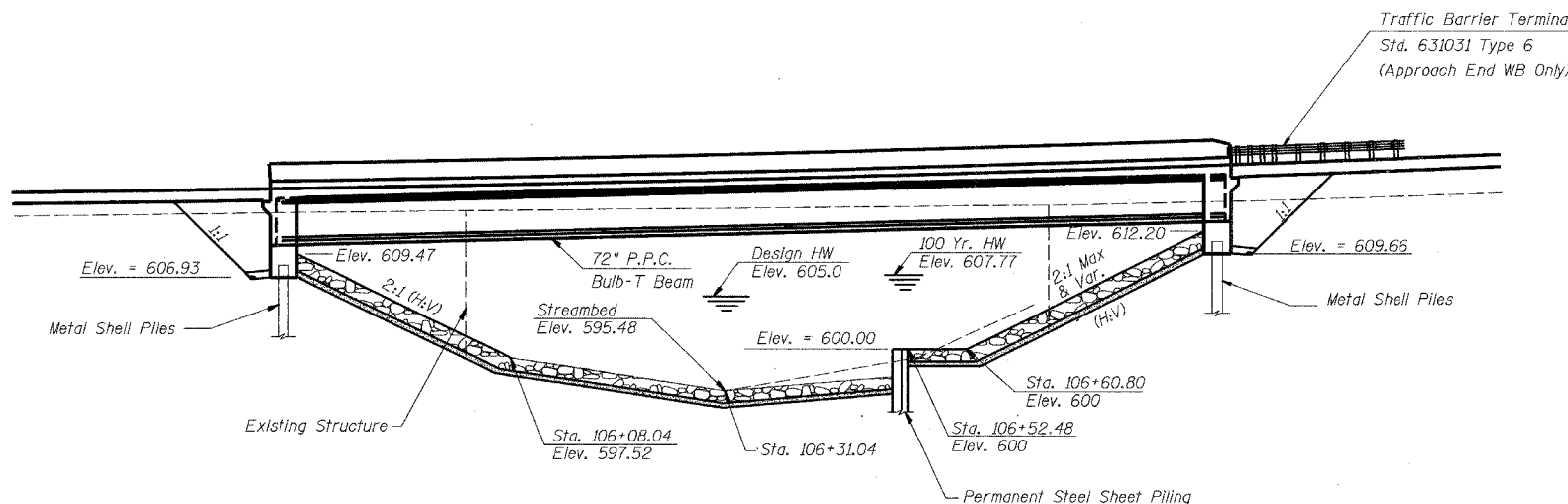
**STAGING**

Road will be closed for construction.

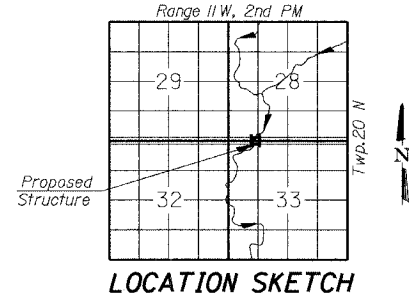
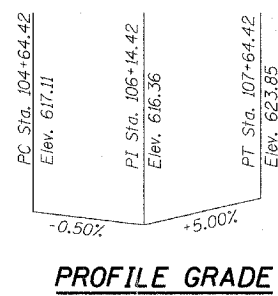
**SALVAGE**

No Salvage.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	32
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
		CONTRACT NO. 91356		



**ELEVATION**  
Along Winter Ave.



**STONE CREEK  
BUILT 200 BY  
CITY OF DANVILLE  
SECTION 99-00209-02-PV  
STA. 106+34.70  
STR. NO. 092-6033 LOADING HS-20  
NAME PLATE**  
(See Std. 515001)

**DESIGN SPECIFICATIONS**

2002 AASHTO

**LOADING HS20-44**

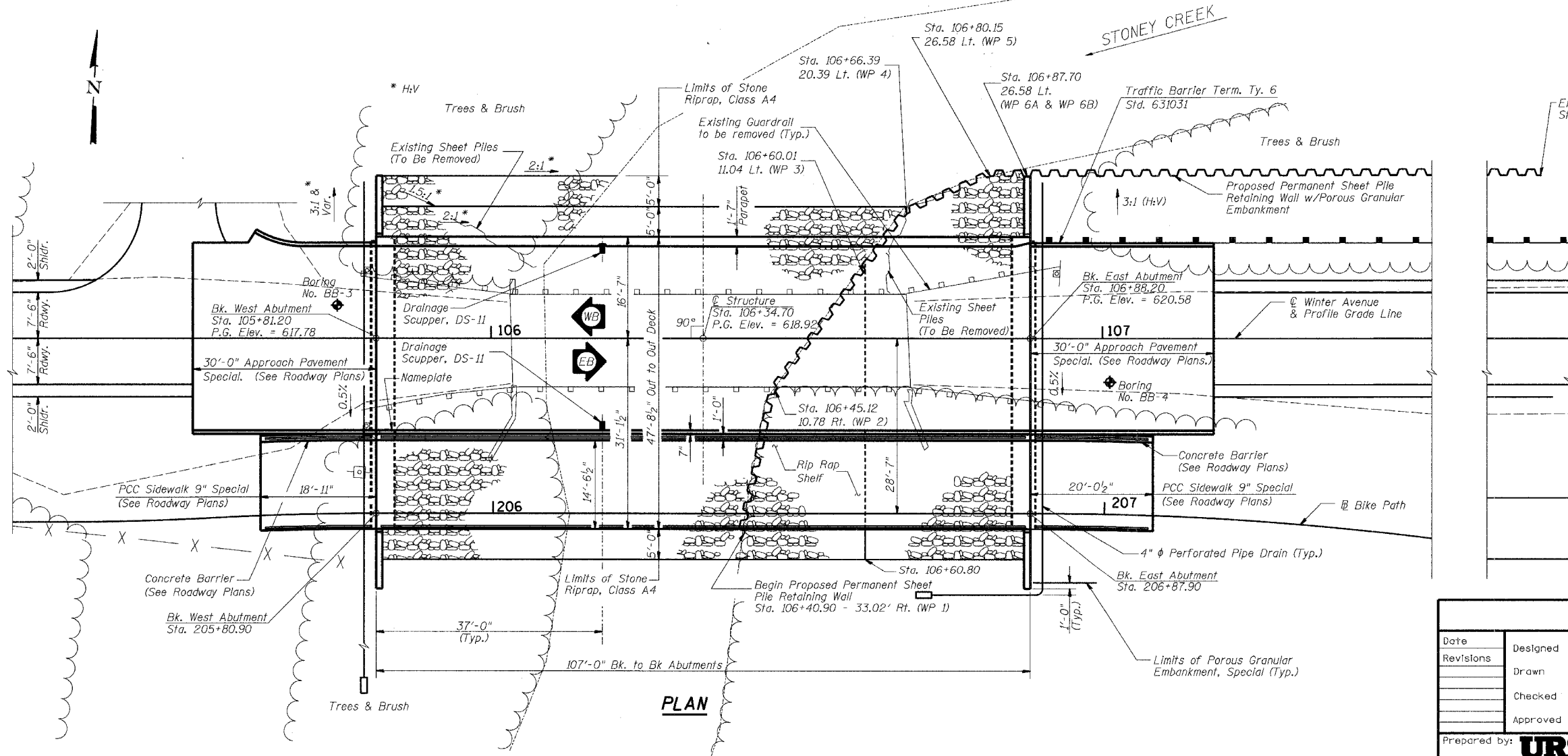
Allowed 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**

FIELD UNITS	PPC UNITS
f'c = 3,500 p.s.i.	f'ci = 5,000 p.s.i.
fy = 60,000 p.s.i.	f'cs = 6,000 p.s.i.
n = 9	f's = 270,000 p.s.i.
	f'si = 189,000 p.s.i.

**SEISMIC DATA**

Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = 0.047  
Site Coefficient (S) = 1.5



**PLAN**



DATE: January 3, 2006  
Keith W. Bentons  
KEITH W. BENTONS  
ILL. STRUCTURAL NO. 4777

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMIC ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES."

Hydraulics approved based on Statewide Permit #12.

Date		Designed ACW		WINTER AVENUE OVER STONEY CREEK		Sheet No.	
Revisions		Drawn BKN		SECTION 99-00209-02-PV		1	
		Checked KWB		CITY OF DANVILLE, IL			
		Approved KWB		VERMILION COUNTY			
				STA. 106+34.70			
				PROP. STR. NO. 092-6033		of 21	
Prepared by:		URS		3040 North University Avenue		URS Job No.	
		Decatur, IL 62526				36430866	