

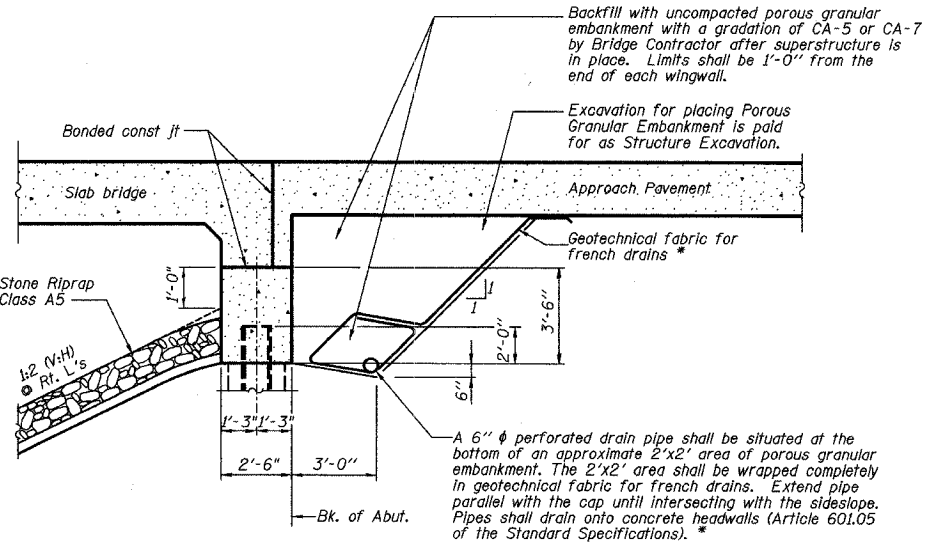
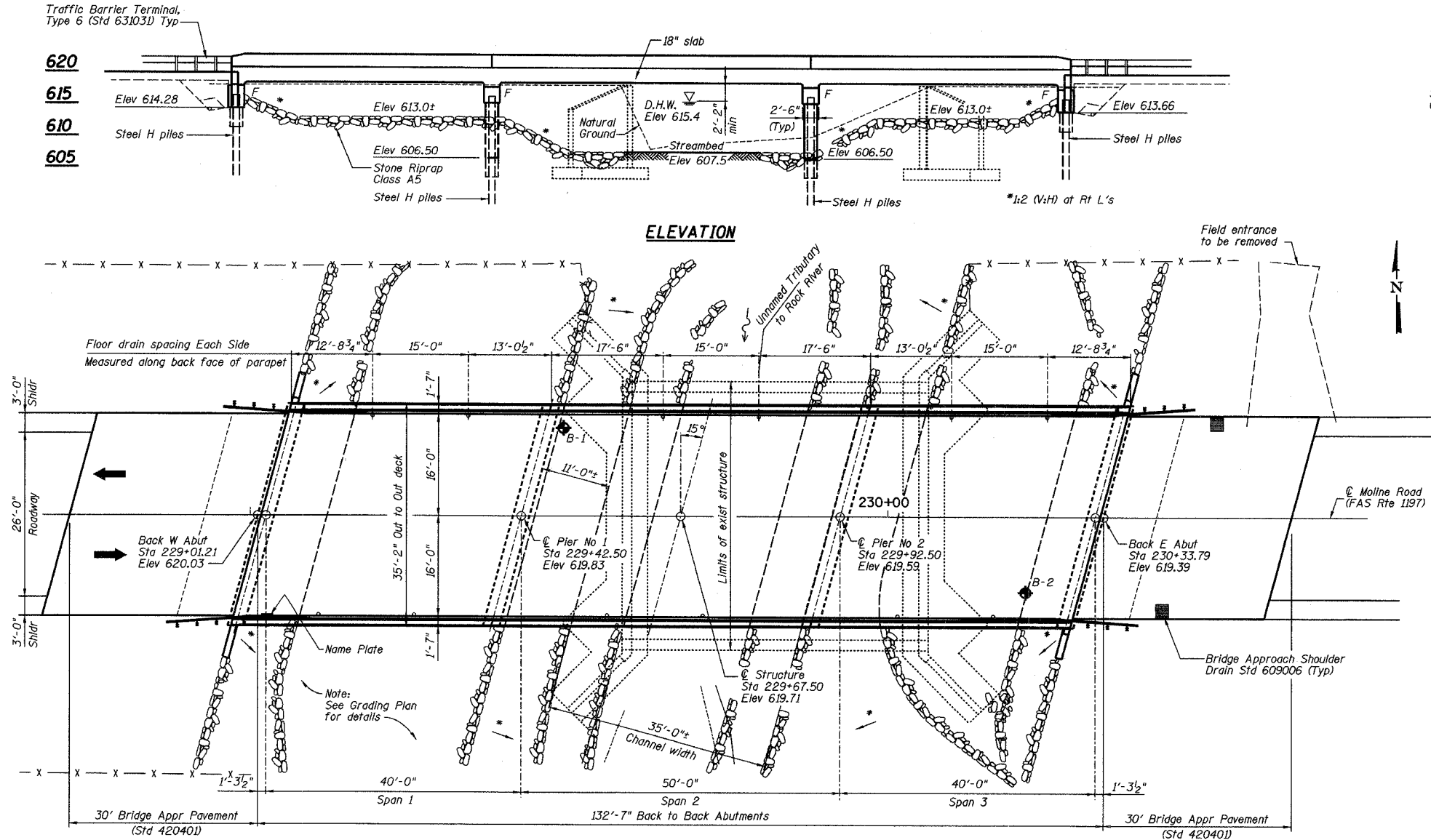
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheet No. 1
of 11 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1197	105BR-2	WHITESIDE	59	16
FEDERAL DIST.		ILLINOIS	PROJECT	
CONTRACT 64421				

Existing Structure: SN 098-0027
Single span, cast in place, concrete tee beam bridge,
built on timber pile supported closed abutments,
48' back to back abutts and 42'-4" out to out of deck.
Contractor shall remove existing structure as
required and replace with a 3 span reinforced
concrete slab bridge on pile bent piers and abutments.
Traffic will be detoured during construction.
No salvage.

Bench Mark:
406 "□" cut on headwall of culvert
Sta 214+81.2, 28.5' Lt
Elev 620.58
407 "□" cut on top of NE wingwall of bridge
Sta 230+06.6, 22.3' Lt
Elev 618.83



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

STATION 229+67.50
BUILT 20 BY
STATE OF ILLINOIS
FAS 1197 SEC 105BR-2
LOADING HS20
STR. NO. 098-0110

NAME PLATE
See Std. 515001

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Robert E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN SPECIFICATIONS
2002 AASHTO

LOADING HS20-44

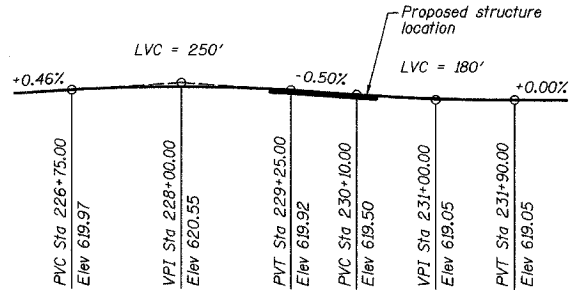
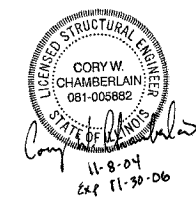
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = .034
Site Coefficient (S) = 1.0

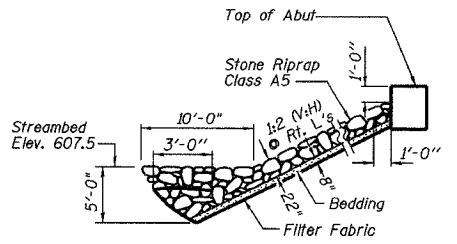


PROFILE GRADE

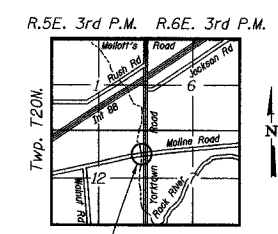
WATERWAY INFORMATION

Existing Low Grade Elev. 618.70 @ Sta. 229+50
Proposed Low Grade Elev. 619.00 @ Sta. 231+00
Drainage Area = 10.95 sq mi

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head-Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	1459	261	412	614.7	0.4	0.0	615.1	614.7	
Base	50	2209	291	489	615.4	1.2	0.0	616.6	615.4	
Max. Calc.	100	2522	291	514	615.6	1.6	0.1	617.2	615.7	
	500	3262	291	567	616.1	2.6	0.4	618.7	616.5	



STONE RIPRAP ANCHOR DETAIL



LOCATION SKETCH

GENERAL PLAN AND ELEVATION

REVISIONS		MOLINE ROAD OVER UNNAMED TRIBUTARY TO ROCK RIVER	DRAWN BY DATE R. King 8/04
No.	DATE		
1			CHECKED BY DATE CMV 8/04
2			GL/DC BY DATE CWC 8/04
3			BOOK NUMBER
4			
5			
6			
7			
8			
9			
10			
11			
12			

FAS ROUTE 1197 SECTION 105BR-2
STA 229+67.50 SN 098-0110 WHITESIDE COUNTY
HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
184-001397

PROJECT No. 4858-3
SHEET No.