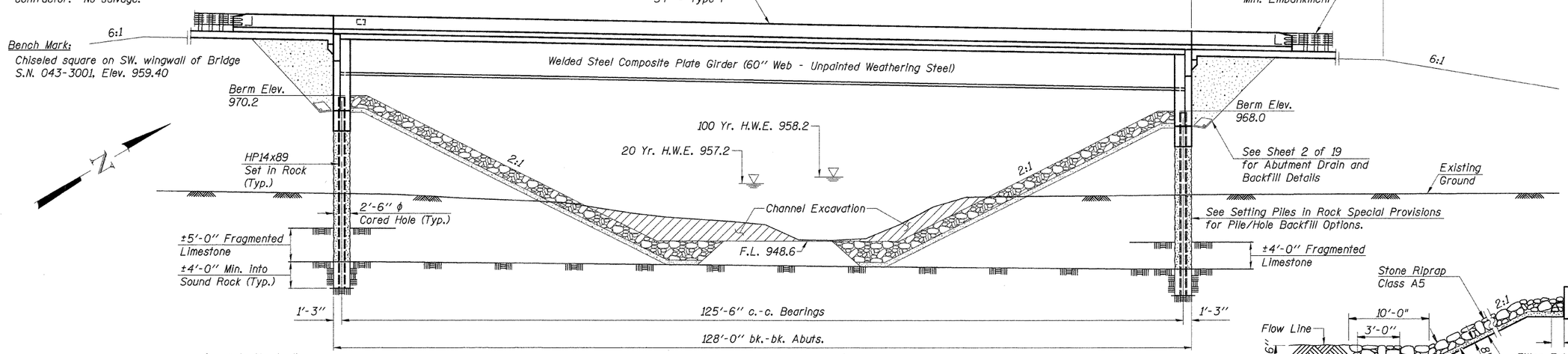
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 3	93-00112-00-BR	JO DAVIESS	42	10
		ILLINOIS		

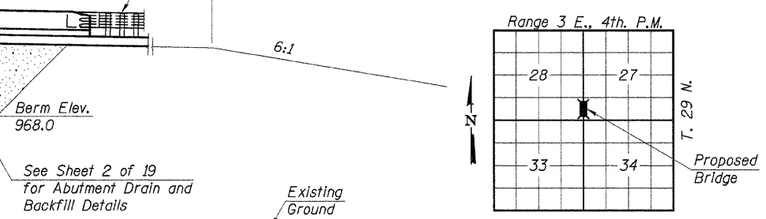
Sheet 1 of 19 CONTRACT NO. 85462

Existing Structure:
S.N. 043-3001: Two span reinforced concrete slab on closed concrete abutments and a solid wall concrete pier. Structure length is 64.0 feet back to back of abutments, and bridge width is 24.4 feet out to out of deck. Skewed 9°30'. To be removed by contractor. No salvage.

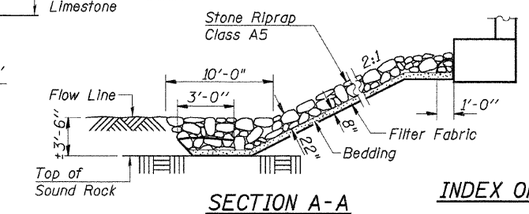
Bench Mark:
Chiseled square on SW. wingwall of Bridge S.N. 043-3001, Elev. 959.40



ELEVATION



LOCATION PLAN

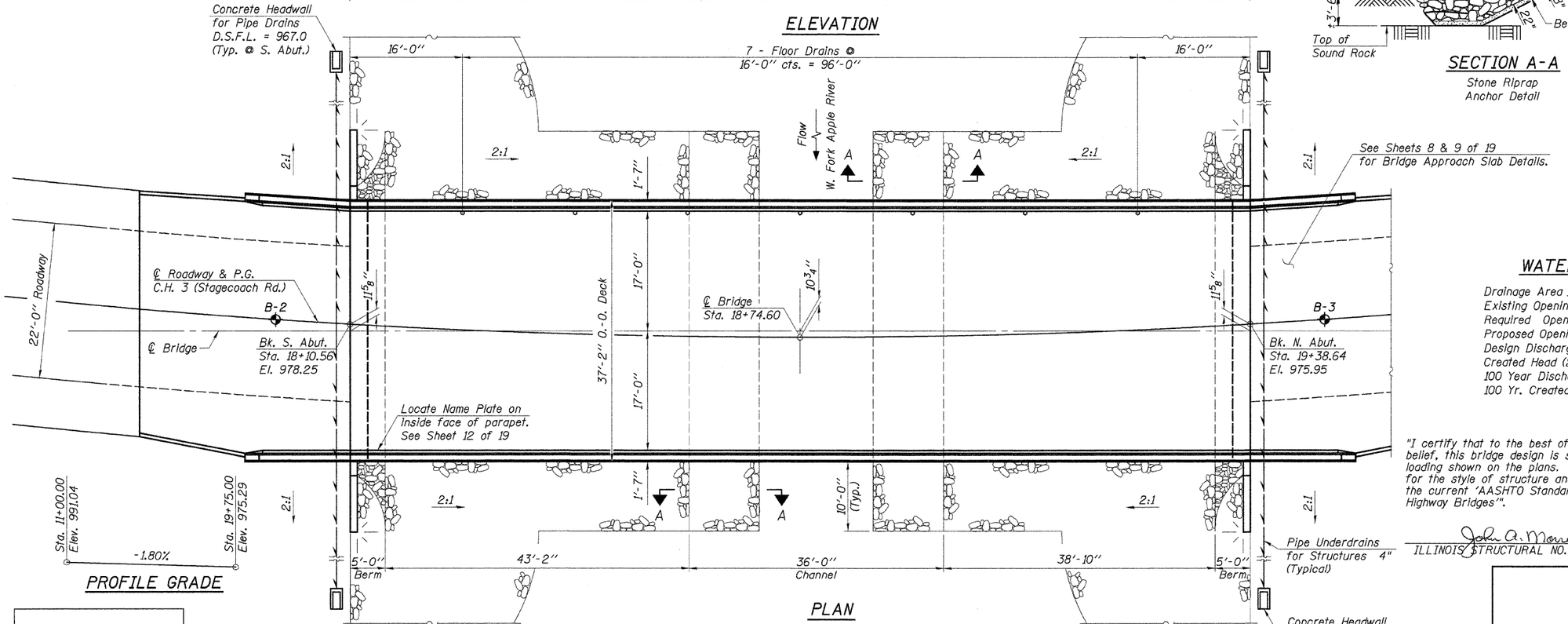


SECTION A-A

Stone Riprap
Anchor Detail

INDEX OF SHEETS

1.	General Plan and Elevation
2.	General Notes, Total Bill of Materials & Miscellaneous Details
3.-5.	Top of Slab Elevations
6.-7.	Top of Approach Slab Elevations
8.-9.	Bridge Approach Slab Details
10.-12.	Superstructure Details
13.-14.	Structural Steel Plan and Details
15.	Anchor Bolt Details
16.-17.	Abutment Details
18.	Steel Pile Details
19.	Bar Splicer Details



PLAN

PROFILE GRADE

WATERWAY INFORMATION

Drainage Area	10.73 Sq. Mi.
Existing Opening (20 Yr.)	542 Sq. Ft.
Required Opening (20 Yr.)	457 Sq. Ft.
Proposed Opening (20 Yr.)	457 Sq. Ft.
Design Discharge (20 Yr.)	1889 C.F.S.
Created Head (20 Yr.)	0.0 Ft.
100 Year Discharge	2897 C.F.S.
100 Yr. Created Head	0.2 Ft.

"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 economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'".

John A. Morris 3-27-09
ILLINOIS STRUCTURAL NO. 4277 (Expires 11/30/10)

LICENSED STRUCTURAL ENGINEER JOHN A. MORRIS 81-4277 SPRINGFIELD STATE OF ILLINOIS

DESIGNED	J.A.M.
CHECKED	A.R.K.
DRAWN	S.A.P.
CHECKED	A.R.K. & J.A.M.

DESIGN STRESSES

f'_c = 3,500 p.s.i. (Concrete)
f_y = 60,000 p.s.i. (Reinforcement)
f_y = 50,000 p.s.i. (Structural Steel, M270W, Gr. 50)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.03
Site Coefficient (s) = 1.0

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

50#/Sq. Ft. allowance for Future Wearing Surface.

GENERAL PLAN & ELEVATION

SECTION 93-00112-00-BR
JO DAVIESS COUNTY
COUNTY HIGHWAY 3
STATION 18+74.60

4440 ASH GROVE
SPRINGFIELD, IL. 62711
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ENGINEERING AND SCIENCE CONSULTANTS
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JOB NO.: 46859
FILE: GPE.DGN
DATE: 03/24/09