B.M. #1 - top of the head of railroad spike at southeast face of 1st power pole north of the bridge, on west side of 88th ave, El. 722.44

B.M. #2 - top of the head of 8" nail at east face of 1st power pole south of bridge, on west side of 88th ave, El. 723.89

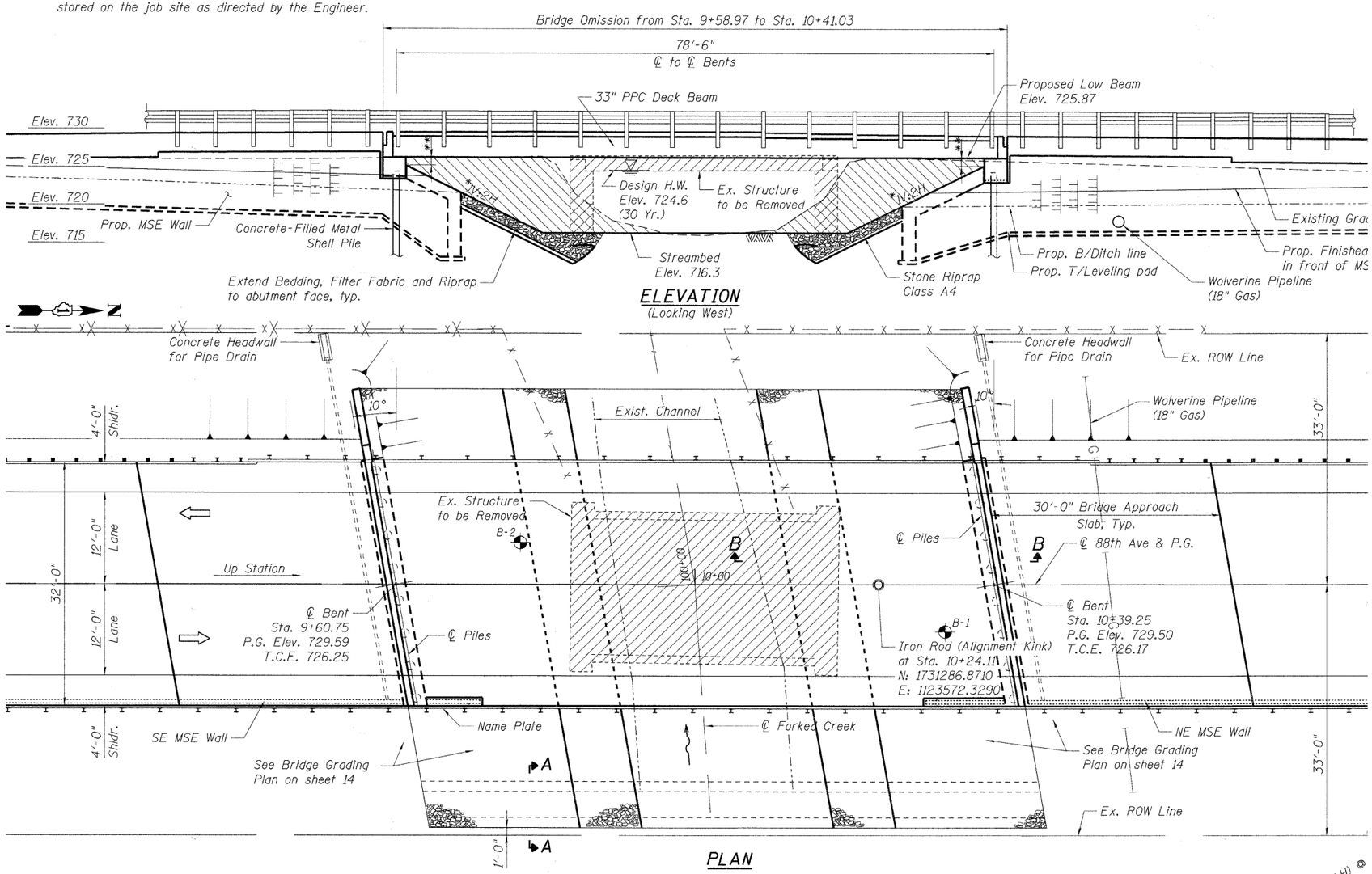
Existing Structure - Single span approximately 31', width of bridge approximately 20', superstructure consists of concrete slab on closed abutments.

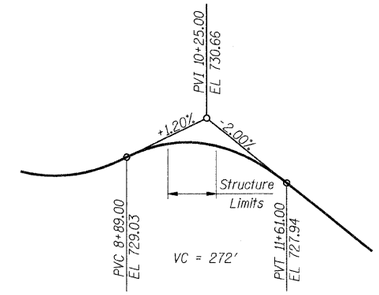
Salvage - All material deemed salvageable by the Engineer shall remain the property of the local agency and shall be stored on the job site as directed by the Engineer.

Drainage Area = 6.8 sq. mi. Low Grade Elev. 722.83 @ Sta. 17+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	1,773	168	449	724.32	0.09	0.00	724.41	724.32
Design	30	2,665	174	462	724.55	0.13	0.03	724.68	724.58
Base/Max. Calc.	100	4,173	178	508	725.18	0.12	0.11	725.30	725.29

WATERWAY INFORMATION





PROFILE GRADE

(@ ℄ Proposed Rdwy.)

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 structures and complies with requirements of the current AASHTO LRFD Bridge Design Specifications.

STATE OF ILLINOIS
081-003437
CHICAGO
IL
LICENSED STRUCTURAL ENGINEER

10/29/10

EXPIRES 11/30/10

FORKED CREEK
BUILT 20__ BY
GREEN GARDEN TOWNSHIP
WILL COUNTY
SEC. 03-07118-00-BR
STA. 10+00
STR. NO. 099-3010 LOADING HL93

LETTERING FOR NAME PLATE

(See Highway Standard 515001)

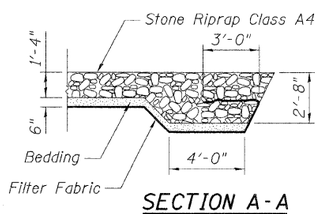
Legend

T.C.E. = Top of Cap Elevation

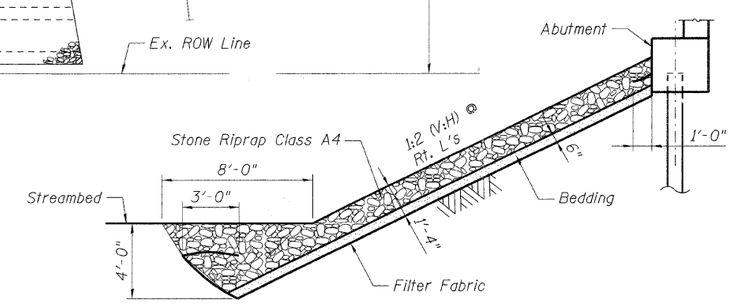
⊕ = Boring Location

* = Perpendicular to Abutment

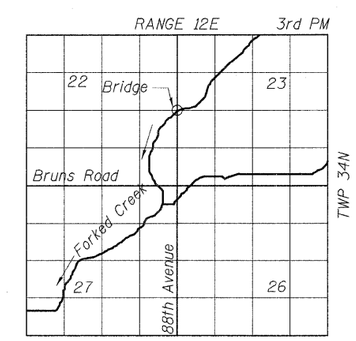
** = Set top of Riprap slope at 1'-0" min. below low bearing seat, typical at each abutment



SECTION A-A



SECTION B-B



LOCATION SKETCH

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - JFG	REVISED -
		DRAWN - JFG	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - KPS	REVISED -
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE = 10-26-2010	DATE - 10/27/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
GREEN GARDEN TOWNSHIP
88TH AVENUE (PEOTONE ROAD)

GENERAL PLAN AND ELEVATION

SCALE: N.T.S.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	03-07118-00-BR	WILL	43	16
		CONTRACT NO. 63156		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

..\BD011A202.DGN,..\AL011A201.DGN,..\GP011A201.DGN,..\GP011A221.DGN,..\VR011A221.DGN,..\GP011A201.DGN,..\GP011A201.DGN,..\GP011A201.DGN
10-26-2010,15:46:40 SMURYNKP \\FS-0044\AMYVAULT\D-TRANS_07\2202\20745-001\STRUCT\CAD\01DESIGN\A TENG\SHEET\GP011A201.SHT