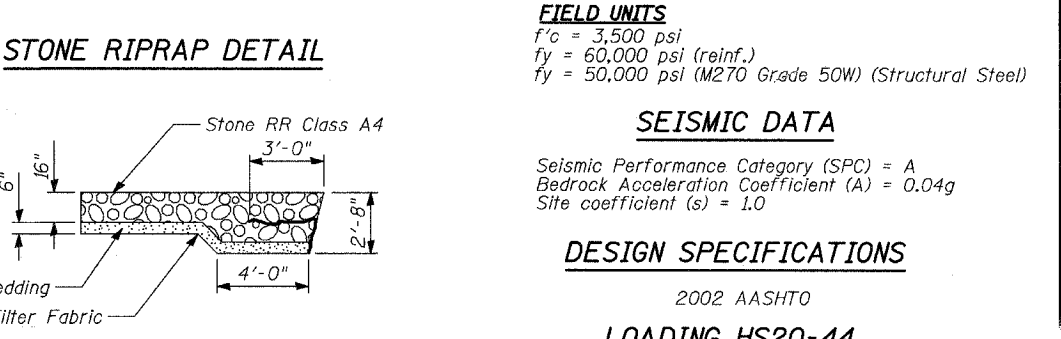
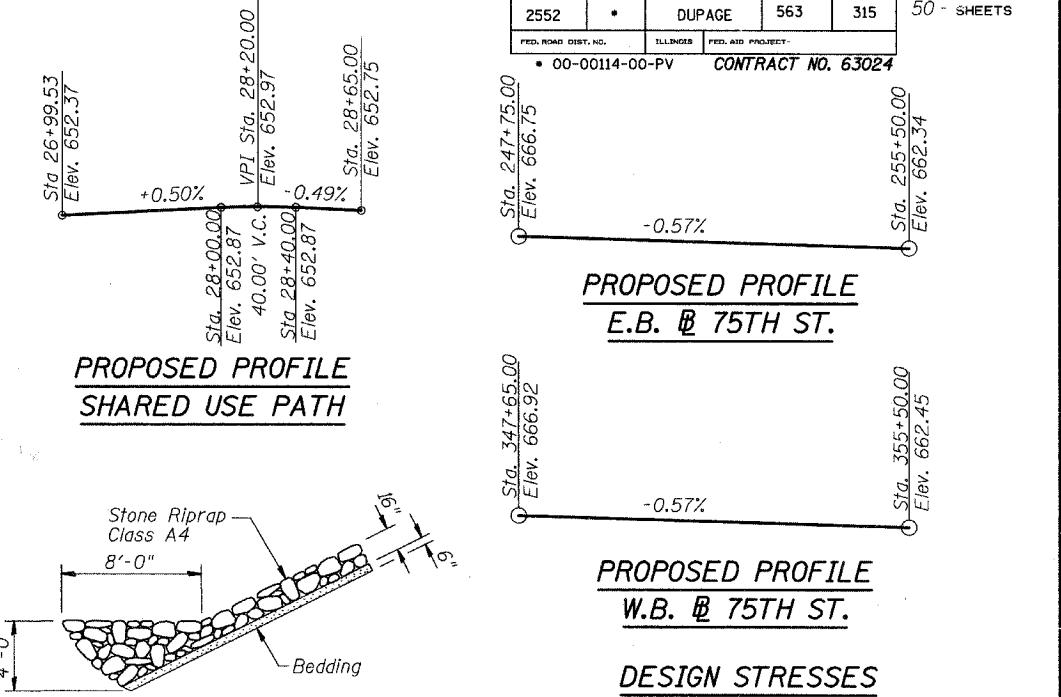
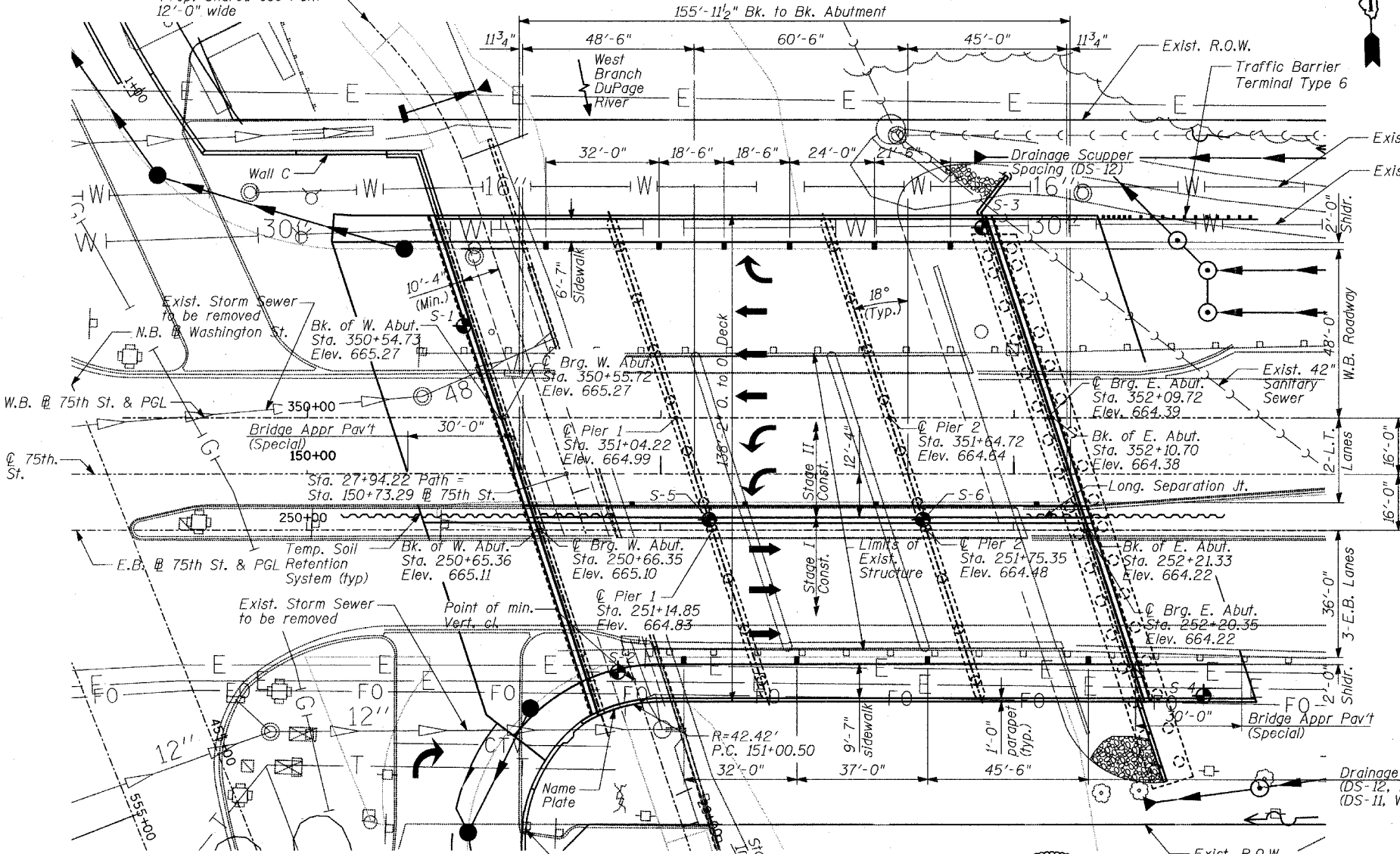
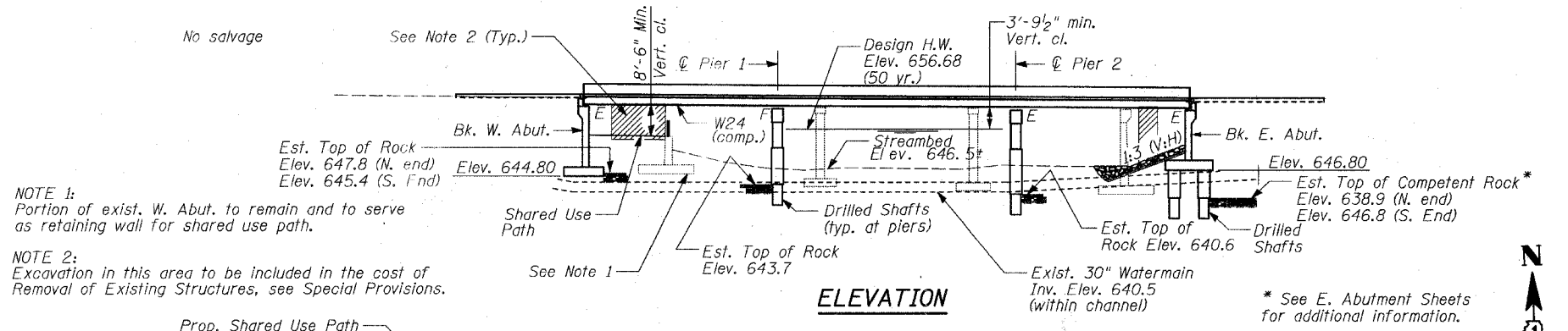


Benchmark: Found DuPage County disk in southwest wingwall of 75th Street bridge over the West Branch of the DuPage River. Elev. 664.19

Existing structure: Exist. S.N. 022-3039 built in 1959 as part of County Hwy. 33 is a 3 span structure consisting of 27" PPC deck beams, Bk. to Bk. Abut. 119'-0 3/4" and O. to O. deck 36'-0". The structure was widened in 1979 with 27" PPC deck beams. Total structure width is 82'-0". Traffic is to be maintained utilizing stage construction.

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	*	DUPAGE	563	315
SHEET NO. - 1 50 - SHEETS				
CONTRACT NO. 63024				

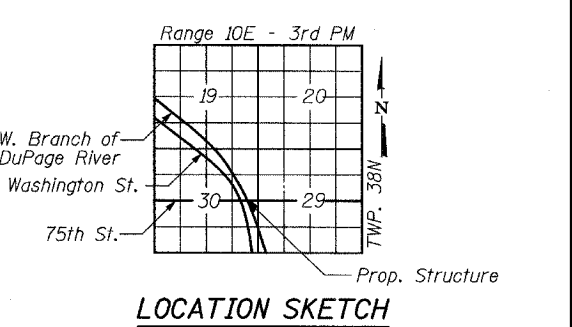


DESIGN STRESSES

FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (reinf.)
 fy = 50,000 psi (M270 Grade 50W) (Structural Steel)

SEISMIC DATA
 Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.04g
 Site coefficient (s) = 1.0

DESIGN SPECIFICATIONS
 2002 AASHTO
LOADING HS20-44
 Allow 50#/sq. ft. for future wearing surface



TYLIN INTERNATIONAL

DESIGNED	- PL
CHECKED	- SP
DRAWN	- PL
CHECKED	- SP

WATERWAY INFORMATION

Drainage Area = 115 SQ. MI.		Low Grade Elev. 661.40 @ Sta. 156+06.20							
Flood	Freq. Yr.	Opening Sq. Ft.		Nat. H.W.E.	Head-Ft.		Headwater El.		
		Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	50	4920	1183.4	1396.8	655.57	0.21	0.19	655.78	655.76
Base	100	5600	1247.2	1480.2	656.68	0.35	0.33	657.03	657.01
Overlapping					657.19	0.43	0.40	657.62	657.59
Max. Calc.	500	7500	1418.2	1703.7	658.71	0.61	0.58	659.32	659.29



Signed *[Signature]*
 Spiros Pantazis, S.E., Il. Lic. No. 081-006448
 Expires 11-30-2008.
 Date 4/11/08

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 of Highway Bridges".

REVISIONS

NAME	DATE

GENERAL PLAN

75th STREET OVER THE
 WEST BRANCH OF THE DUPAGE RIVER
 FAP 369
 SECTION 00-00114-00-PV STA. 151+38.03
 DUPAGE COUNTY
 S.N. 022-3118