

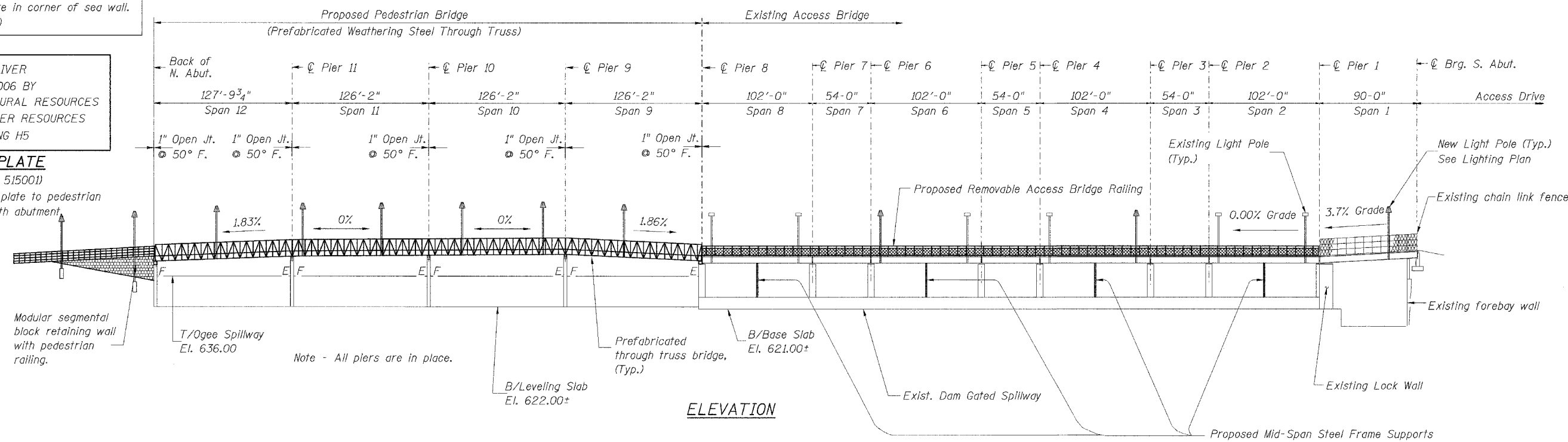
B.M. #1: Chiseled square in corner of sea wall.
Elev. 633.74 (NAVD 88)

ROCK RIVER
BUILT 2006 BY
IL. DEPT. OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES
LOADING H5

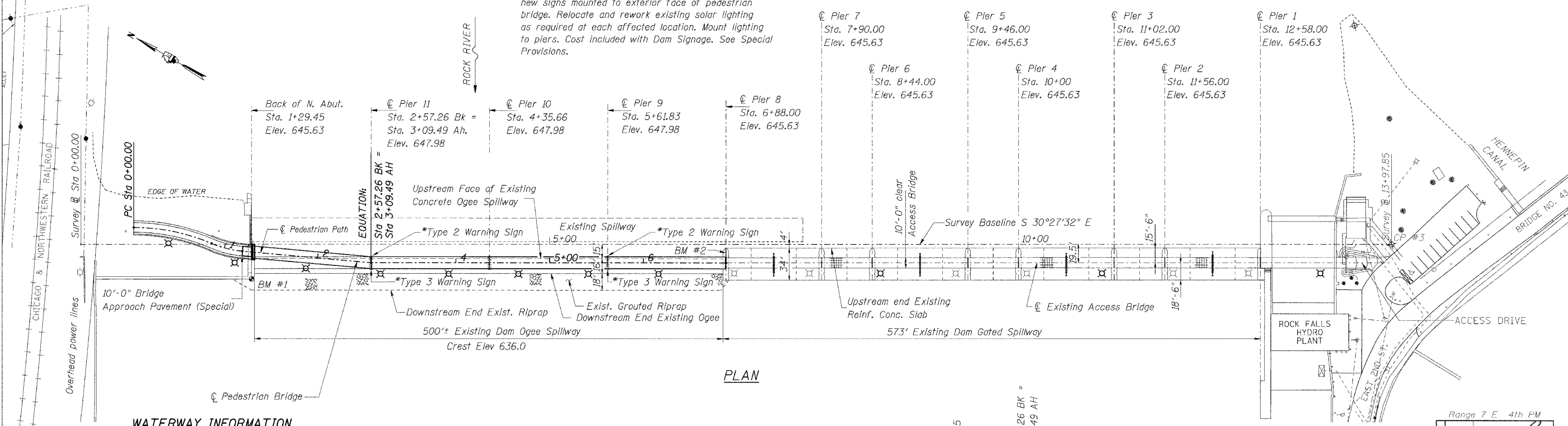
NAME PLATE

(See Std. 515001)

Note: Attach name plate to pedestrian railing at north abutment



* Remove existing dam warning signs and install new signs mounted to exterior face of pedestrian bridge. Relocate and rework existing solar lighting as required at each affected location. Mount lighting to piers. Cost included with Dam Signage. See Special Provisions.



WATERWAY INFORMATION

Drainage Area = 8740 sq. mil. Low Grade Elev. = 627.0 @Sta. = 10+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Created Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	42,000	6635	6369	0	0.11	636.85	636.96
Base	30	51,000	7380	7088	0	0.15	637.80	637.95
Overtopping	100	60,800	8568	8247	0	0.15	638.88	639.03
Max. Calc.	500	72,200	9767	9417	0	0.16	639.97	640.13

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 50,000 psi (M270, Grade 50W) Superstructure

LOADING

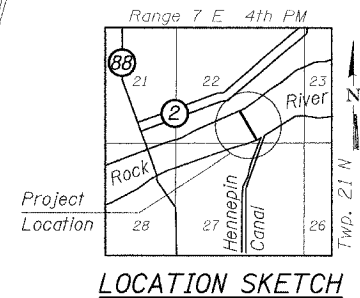
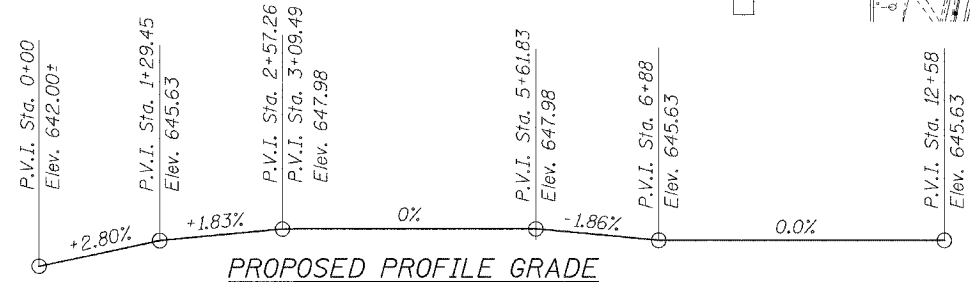
Pedestrian Live Load = 85 psf
Vehicle Live Load: H5 (10,000 lb. Truck) Ped. Bridge
Vehicle Live Load: H15 (30,000 lb. Truck) Access Bridge

DESIGN SPECIFICATIONS

2002 AASHTO Load Factor Design and Guide Specifications for design of Pedestrian Bridges Published by AASHTO, August 1997

SEISMIC DATA

SPC = A
A = 0.05g
Site Coefficient (S) = 1.0



ISSUED	REVISION LETTER	DATE

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01:17:18 PM

03/24/2006

Designed By TMM Checked By RLP
Drawn By JUF Checked By TMM