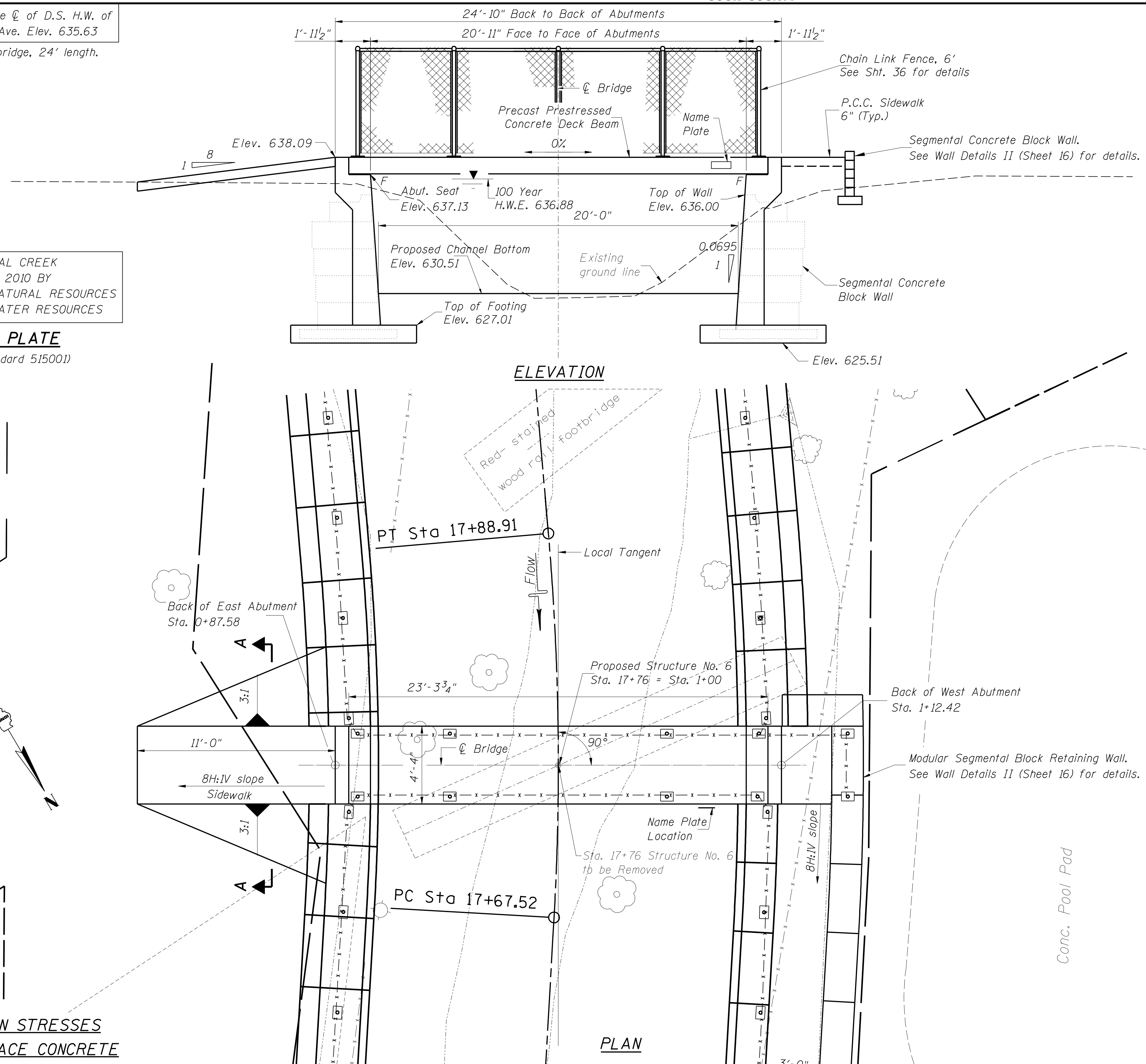
TBM # 105: Chis. square ℄ of D.S. H.W. of culvert under Montrose Ave. Elev. 635.63

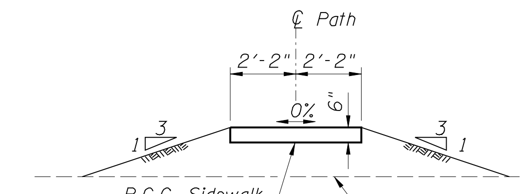
Existing Structure: Footbridge, 24' length.



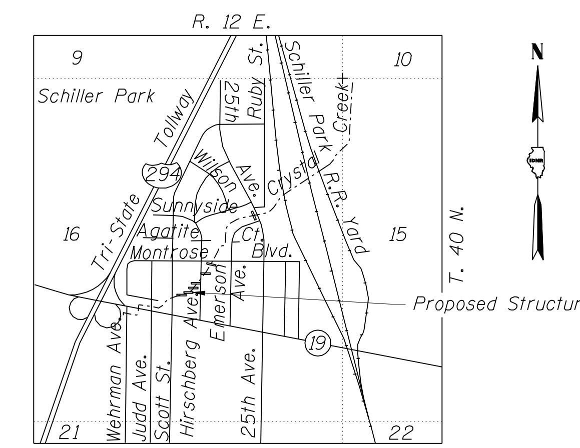
CRYSTAL CREEK
BUILT 2010 BY
IL. DEPT. OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

NAME PLATE

(See Standard 515001)



SECTION A-A



LOCATION SKETCH

TOTAL BILL OF MATERIAL

Item	Unit	Total
Precast Prestressed Concrete Deck Beams (11" depth)	Sq Ft	101
Reinforcement Bars, Epoxy Coated	Pound	1,540
Concrete Structures	Cu Yd	8.6
Stone Face Finish	Sq Ft	90
Chain Link Fence, 6'	Foot	53
Name Plates	Each	1
Portland Cement Concrete Sidewalk 6 Inch	Sq Ft	64

DESIGN STRESSES

CAST IN PLACE CONCRETE

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 5,000 psi
f'ci = 4,000 psi
f's = 270,000 psi (½" ϕ strand)
f'si = 201,960 psi (½" ϕ strand)

DESIGN SPECIFICATIONS

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

LOADING

Pedestrian Live Load = 85 psf

SEISMIC DATA

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

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Designed By TMM Checked By JJF
Drawn By JJF Checked By RLP