

BENCHMARK		
NO.	DESCRIPTION	ELEVATION
	North Bonnet Bolt on Fire Hydrant South Of Museum Entrance on the East side of N. Main Street	736.60

Notes: Wall Offsets are Measured from the ϕ of the Pedestrian Walkway to the Back Face of the Cast-In-Place Portion of the Soldier Pile Wall.

S.P.R.W. = Soldier Pile Retaining Wall
C.I.P. = Cast-In-Place

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY CLASSIFICATION

Rockford Pedestrian Riverwalk
Functional Class: Pedestrian

DESIGN SPECIFICATIONS

2002 AASHTO
Standard Specifications - 17th Edition

DESIGN STRESSES

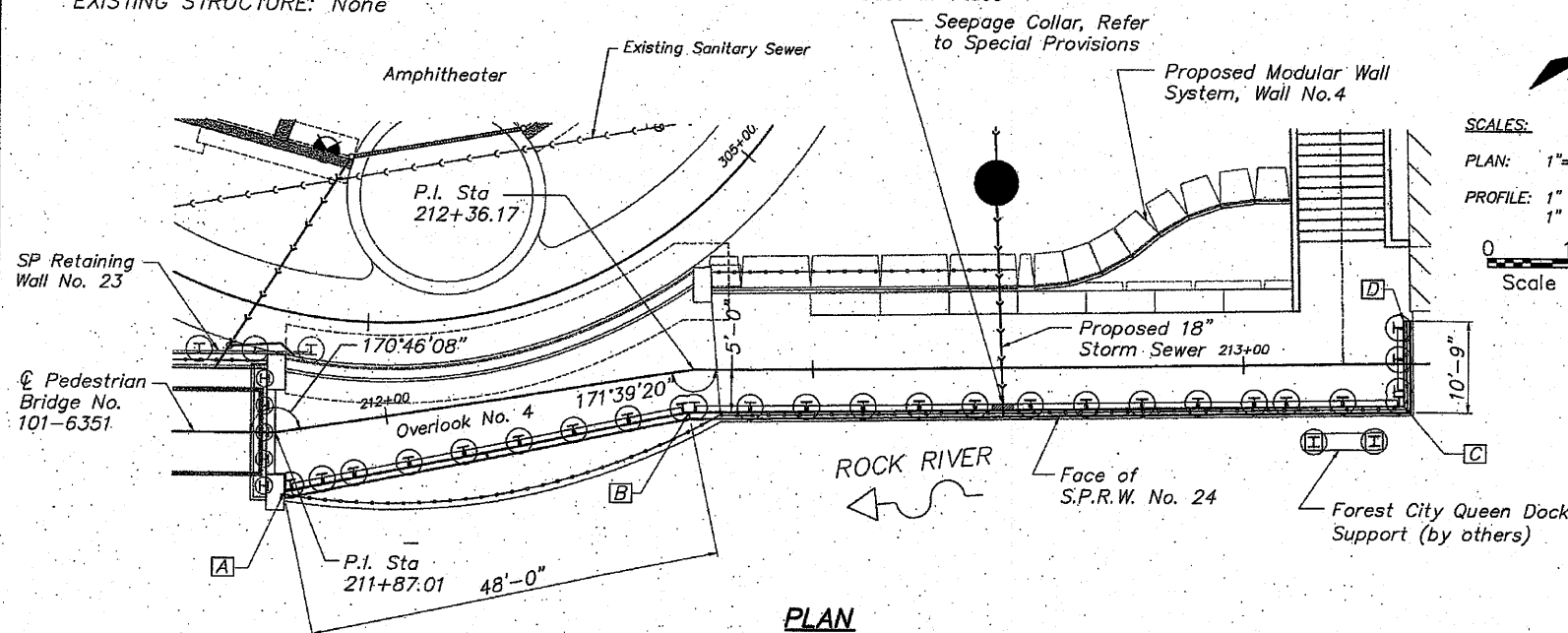
Field Units
 $f'_c = 3,500$ psi (Cast-In Place Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Soldier Pile Steel)

Precast Units
 $f'_c = 5,000$ psi (Precast Concrete)
 $f_y = 60,000$ psi (Reinforcement)

TOTAL BILL OF MATERIALS

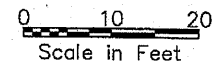
ITEM	UNITS	TOTAL
Structure Excavation	Cu. Yd.	270
Concrete Structures	Cu. Yd.	95.2
Protective Coat	Sq. Yd.	112.7
Stud Shear Connectors	Each	328
Precast Concrete Lagging	Sq. Ft.	1,078
Furnishing Soldier Piles (W 14x99)	Foot	416
Drilling and Setting Soldier Piles in Soil	Cu. Ft.	761
Drilling and Setting Soldier Piles in Rock	Cu. Ft.	1185
Reinforcement Bars (Epoxy Coated)	Pound	8,125
Geocomposite Wall Drain	Sq. Yd.	50.2
Form Liner Textured Surface	Sq. Ft.	1,080

EXISTING STRUCTURE: None

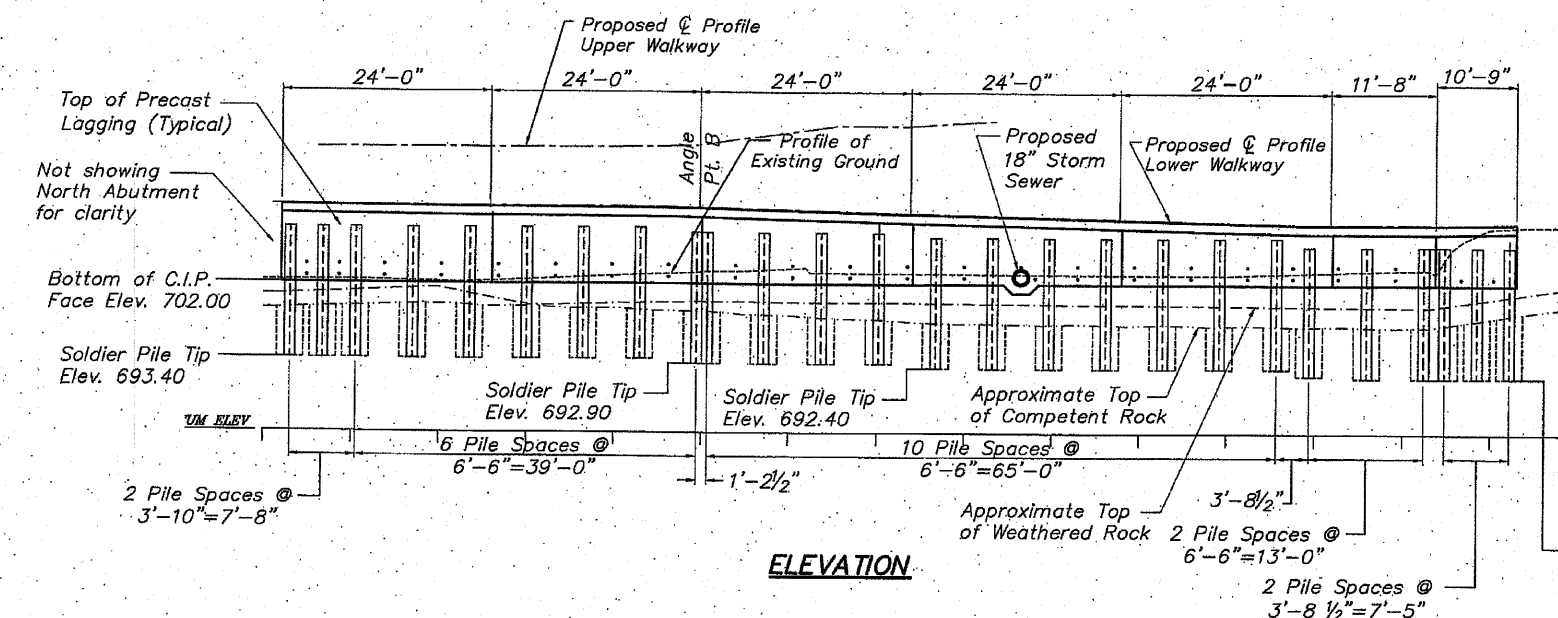


SCALES:

PLAN: 1" = 10'
 PROFILE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL



PLAN



ELEVATION

WALL INFORMATION CHART

Reference Point	Station to Back Face of Wall	Offset to Back Face of Wall
A	211+87.04	7.09' Rt.
B	212+34.90	4.87' Rt.
C	213+18.55	5.00' Rt.
D	213+18.55	5.00' Lt.

MINIMUM BAR LAP

No. 4 bars 1'-8"
 No. 5 bars 2'-2"
 No. 6 bars 2'-7"

FORM LINER PATTERN

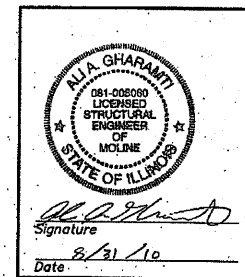
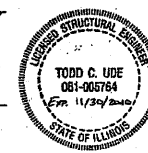
Milestone, Inc.
 Pattern No. MS-1011
 Weathered Limestone or Equal
 (See Special Provisions)

INDEX OF WALL No. 24 SHEETS

- General Plan and Elevation
- SP Wall No. 24 Details
- SP Wall No. 24 Details
- SP Wall No. 24 Details
- Panel Details & Pile Information
- Slab Details - Lookout No. 4
- Slab Details - Lookout No. 4

Reviewed and Approved for
 Structural Adequacy Only

Todd C. Ude
 Todd C. Ude 9/1/2010



GENERAL PLAN & ELEVATION
 SP WALL No. 24
 PEDESTRIAN RIVERWALK
 ALONG THE ROCK RIVER
 WINNEBAGO COUNTY
 SECTION NO. 06-00543-00-BT
 STATION 211+87.04 TO
 STATION 213+18.55

DESIGNED	CTB	EXAMINED	
CHECKED	AAG	PASSED	
DRAWN	JAW		
CHECKED	JWH		

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SHEET NO. 1
 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00543-00-BT	WINNEBAGO	148	99
CONTRACT NO.			85521	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		