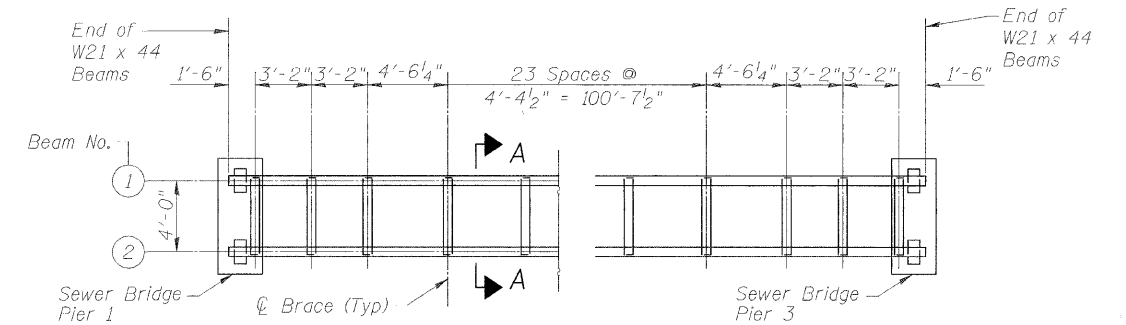


ELEVATION



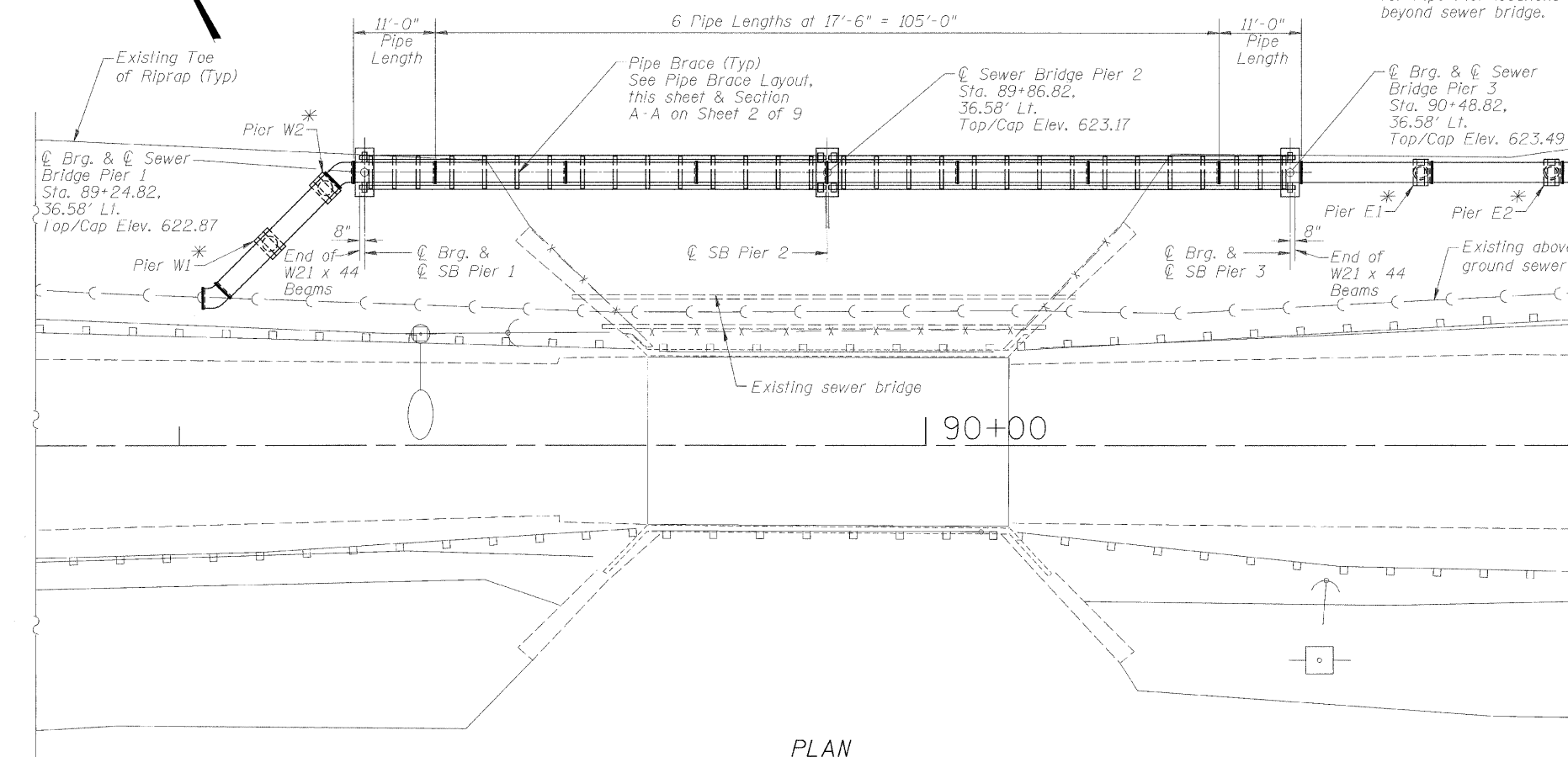
PIPE BRACE LAYOUT
For Section A-A, see Sheet 3 of 3.

GENERAL NOTES

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts (in painted areas and ASTM A325 Type 3 in unpainted areas). Bolts 5/8"-in. ϕ in slotted holes as shown.
- Calculated weight of Structural Steel Sewer Bridge = 14,690 lbs.
- All structural steel shall be AASHTO M 270 Grade 50W.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- All structural steel and exposed surfaces of bearings within a distance of 6 ft. each way from the substructure units shall be painted as specified in Section 506 of the Standard Specifications.
- Side braces shall be set initially as shown. After pipe is in place, side braces shall be adjusted such that pipe bears on all braces and sewer has uniform slope of 0.005 ft./ft.
- If actual pipe laying length differs from 17'-6" (as shown), Contractor shall be responsible for adjusting brace spacing to prevent conflict with pipe joints. Spacing of braces shall not be increased unless approved by the Engineer.
- Top of sewer bridge pier cap elevations are based on bracing shown in Section A-A. Actual elevations should be based on shop drawing dimensions to obtain sewer inverts shown.

INDEX OF SHEETS

- Sanitary Sewer Bridge Plan and Elevation
- Sanitary Sewer Bridge Details
- Sanitary Sewer Bridge Details - Pipe Walk Preventer and Screen
- Sanitary Sewer Bridge Substructure Details
- Sanitary Sewer Pipe Support Details
- Sanitary Sewer Pipe Support Details
- Cross Sections at Sanitary Sewer Pipe Supports
- Cross Sections at Sanitary Sewer Pipe Supports
- Cross Sections at Sanitary Sewer Pipe Supports



PLAN

DESIGN STRESSES
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (Structural Steel)
 AASHTO M270 Grade 50W



DATE: April 12, 2012
 Keith W. Bentley
 KEITH W. BENTLEY
 ILL. STRUCTURAL NO. 4777

FILE NAME =	USER NAME = Brian K. Nicholson	DESIGNED - MJP	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SANITARY SEWER BRIDGE PLAN AND ELEVATION	F.A.U. RTE. 7398	SECTION 09-00905-00-BR	COUNTY MACON	TOTAL SHEETS 63	SHEET NO. 22		
PLOT SCALE =	DRAWN - BKN	REVISD -	SHEET NO. 1 OF 9 SHEETS			CONTRACT NO. 95687		ILLINOIS FED. AID PROJECT				
PLOT DATE =	CHECKED - KWB	REVISD -										

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