

LAKE COUNTY
LAK-1-26.51
ASHTABULA COUNTY
ATB-1-0.00

GENERAL NOTES

REFERENCE shall be made to Standard Drawings C-5B-2-56 sheets 2 of 6 and 3 of 6 dated December 3, 1956, PB-1-55, dated March 1, 1955, AP-1-57, dated April 9, 1957 and supplemental specifications No. 5-114, revised August 1, 1957.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated October 1, 1951, together with revisions thereof dated July 15, 1952, April 1, 1954 and February 1, 1955.

CONCRETE Superstructure, columns, caps and abutments above footings shall be "Class C Concrete." Abutment footings and pier footings shall be "Class E Concrete."

DECK CONSTRUCTION PROCEDURE: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress up grade. The slab may be placed in sections between transverse construction joints which are normal to the center line of bridge and are located near the center of any span.

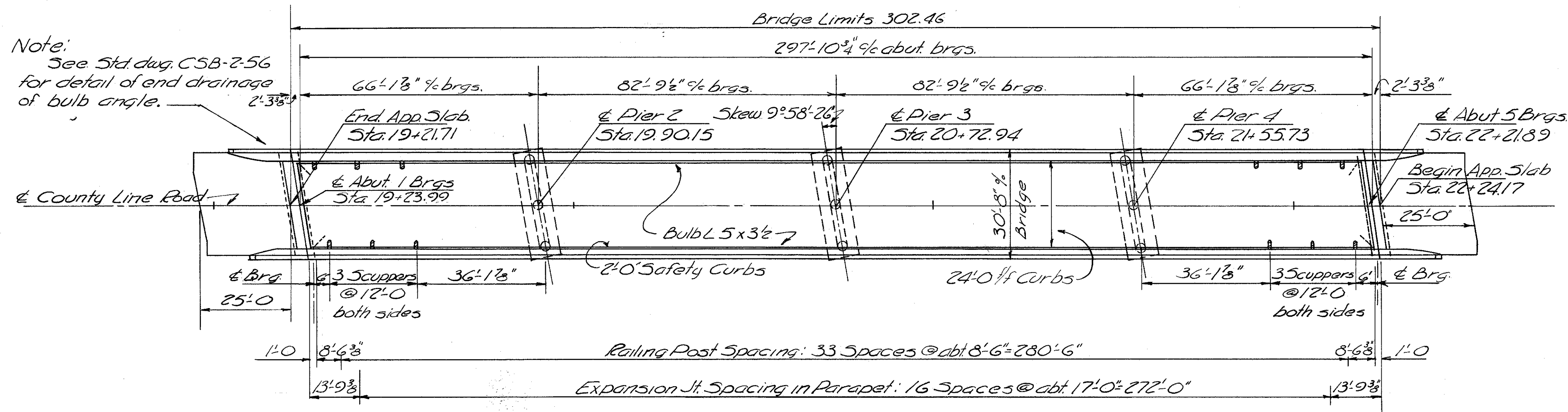
EXCAVATION QUANTITIES shall be as outlined in Sec. E-2 and includes the removal of material from from the finished grade down or original ground down, whichever is the lower in elevation. Abutment excavation quantities includes the removal of fill material between the surface of embankment and the bottom of the abutment. Back-filling will be included in the cost of excavation.

STONE SLOPE PROTECTION extending from face of abutment to invert of ditch shall be provided at all abutments. Protection shall be a minimum of 12 inches thick, measured perpendicular to the slope, and extend 3 feet past outside limits of structure. Stone material shall meet the requirements of Section 5-29.02 for porous drains.

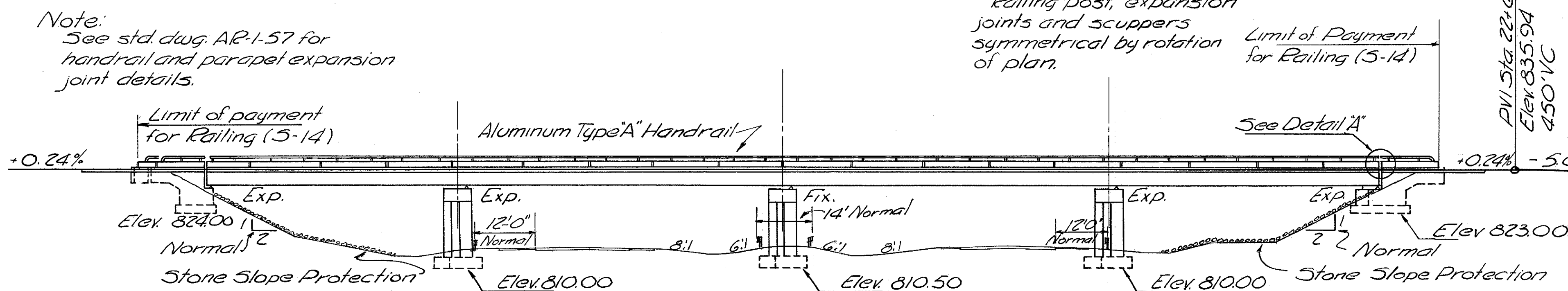
WELDING: All welding shall be Class "A" unless otherwise shown. Any weld shown as field weld may be made in the shop at the option of the Contractor.

WELDED STEEL: The steel for all rolled beams and moment plates with a thickness greater than 1" shall conform to ASTM Designation A-373. All other structural steel shall conform to either ASTM A-7 (per Sec. M-7.4 (a) of the Construction and Material Specifications or to A-373.

BAR SIZE for reinforcing steel is indicated in the bar mark. The first digit indicates bar size number. For example, 5601 is a No. 6 size bar and A1014 is a No. 10 size.

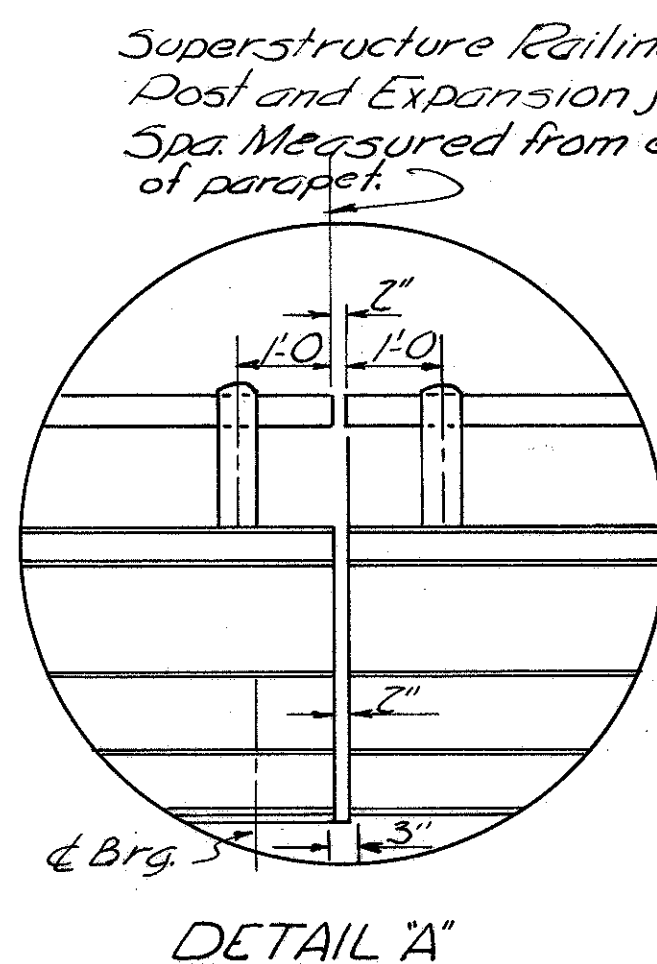


GENERAL PLAN

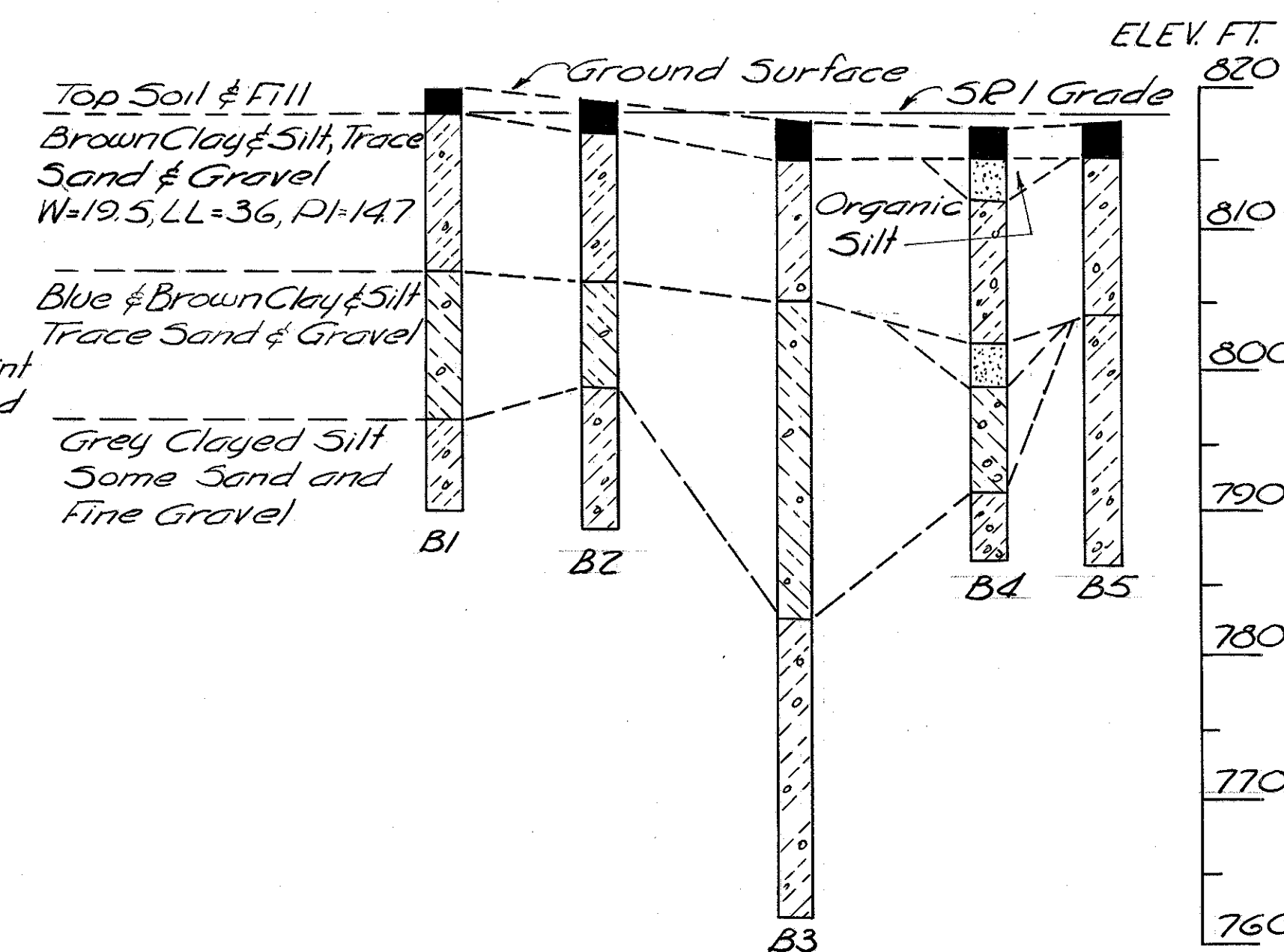


ELEVATION

ESTIMATED QUANTITIES										
Item	Total	Unit	Description	Superstructure	Abut. 1	Abut. 5	Pier 2	Pier 3	Pier 4	Gen'l
E-2	368	CuYd.	Excavation For Structures	-	82	82	67	70	67	-
E-2	L.S.	L.S.	Cofferdams, Cribbs, & Sheet piling	-	-	-	-	-	-	L.S.
5-1	269	CuYd.	Class "C" Concrete (Superstructure)	269	-	-	-	-	-	-
5-1	60	CuYd.	Class "C" Concrete (Pier caps, Columns)	-	-	-	20	20	20	-
5-1	76	CuYd.	Class "C" Concrete (Abutment above footings)	-	38	38	-	-	-	-
5-1	130	CuYd.	Class "E" Concrete (Pier & Abutment footings)	-	18	18	31	32	31	-
5-4	108,785	Lbs.	Reinforcing Steel	74,397	44,12	44,12	-	25,564	-	-
5-7	265,652	Lbs.	Structural Steel	265,652	-	-	-	-	-	-
5-8	265,652	Lbs.	Field Painting of Structural Steel	265,652	-	-	-	-	-	-
5-14	652	Lin. Ft.	Railing (Aluminum Type A & Concrete Parapet)	600	26	26	-	-	-	-
5-29	20	CuYd.	Porous Backfill	-	10	10	-	-	-	-
5-29	149	CuYd.	Stone Slope Protection (1'-0" thick)	-	68	81	-	-	-	-



DETAIL 'A'



SOIL PROFILE

CHARLES L. BARBER AND ASSOCIATES
HARRY BALKE ENGINEERS
TOLEDO, OHIO

GENERAL PLAN & ELEVATION

BRIDGE NO. LAK-1-2841
SR 1 UNDER COUNTY LINE RD.
LAKE CO
STA. 119+07.39

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RGE	MIS	AL	RGE	ACA	8/28/57	