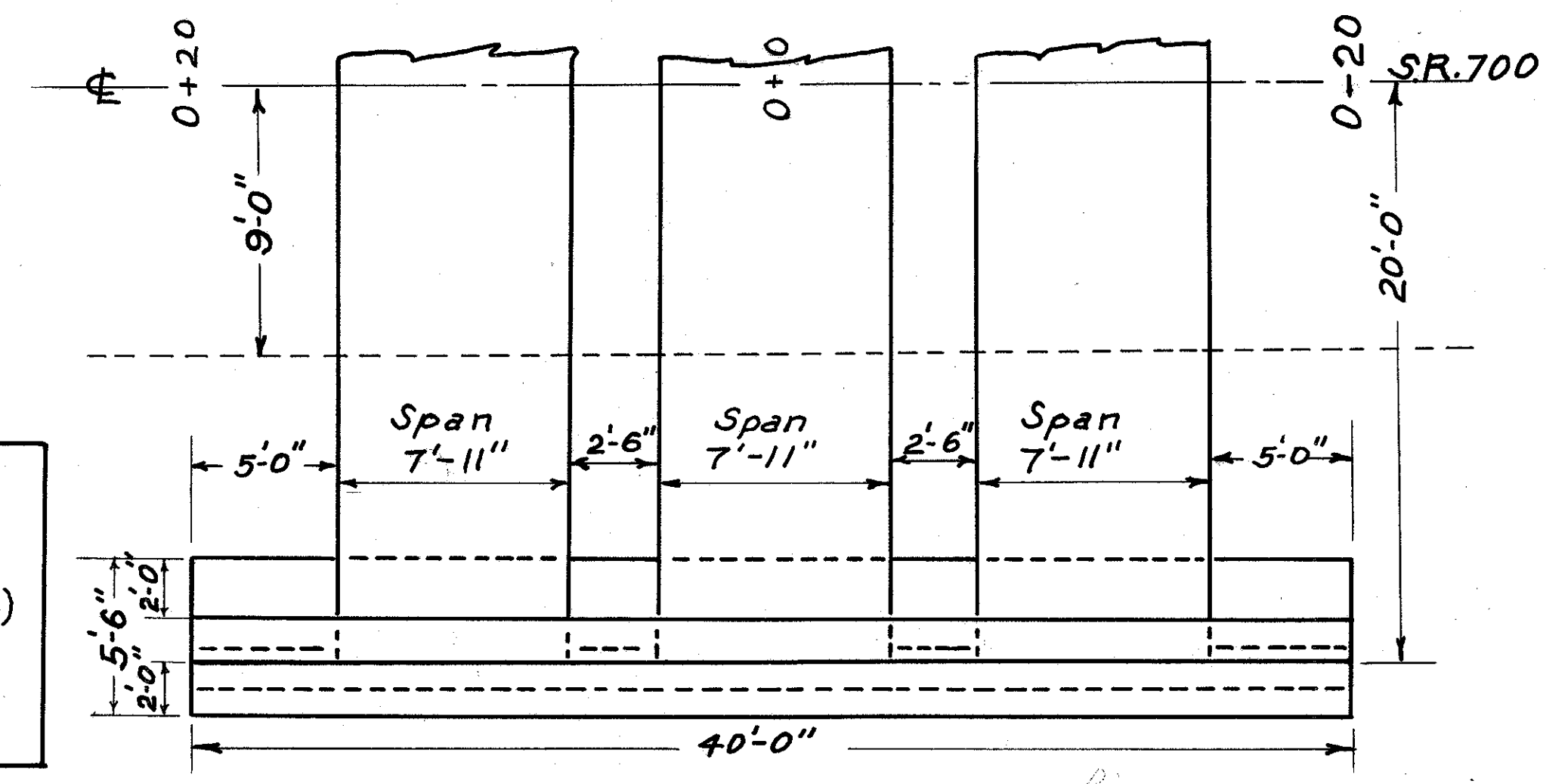


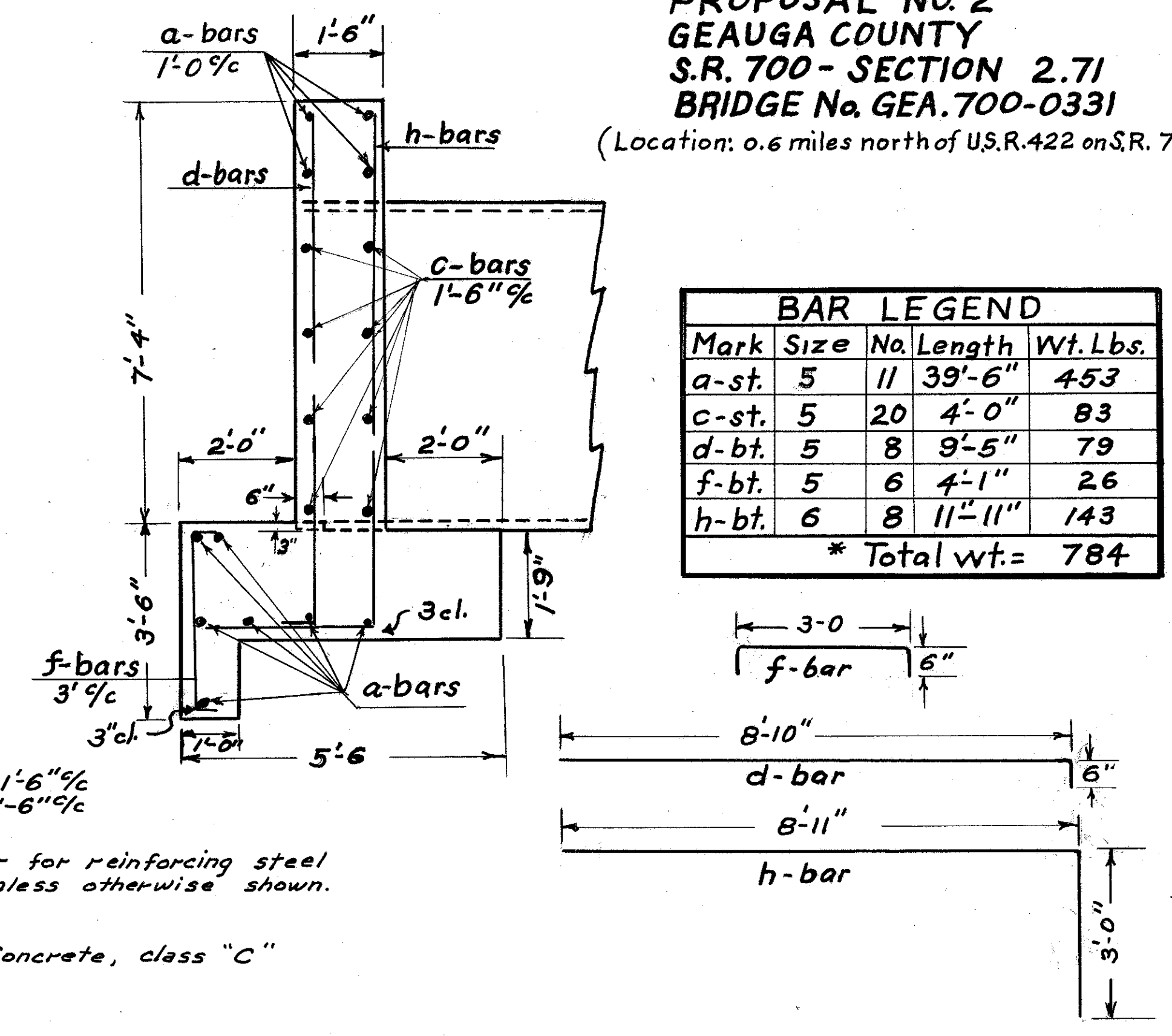
PROPOSAL NO. 2
GEAUGA COUNTY
S.R. 700 - SECTION 2.71
BRIDGE No. GEA.700-0331
 (Location: 0.6 miles north of U.S.R. 422 on S.R. 700)

BAR LEGEND				
Mark	Size	No.	Length	Wt. Lbs.
a-st.	5	11	39'-6"	453
c-st.	5	20	4'-0"	83
d-bt.	5	8	9'-5"	79
f-bt.	5	6	4'-1"	26
h-bt.	6	8	11'-11"	143
* Total wt. = 784				

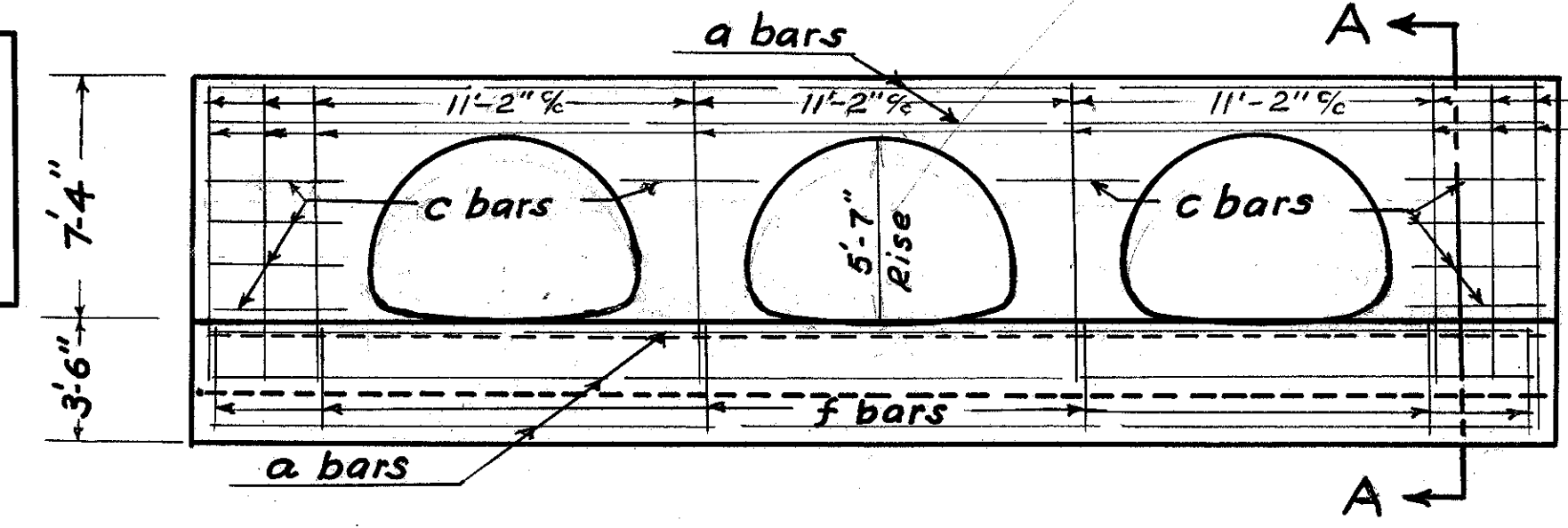
DETAIL OF HEADWALL
HALF PLAN



SECTION A-A

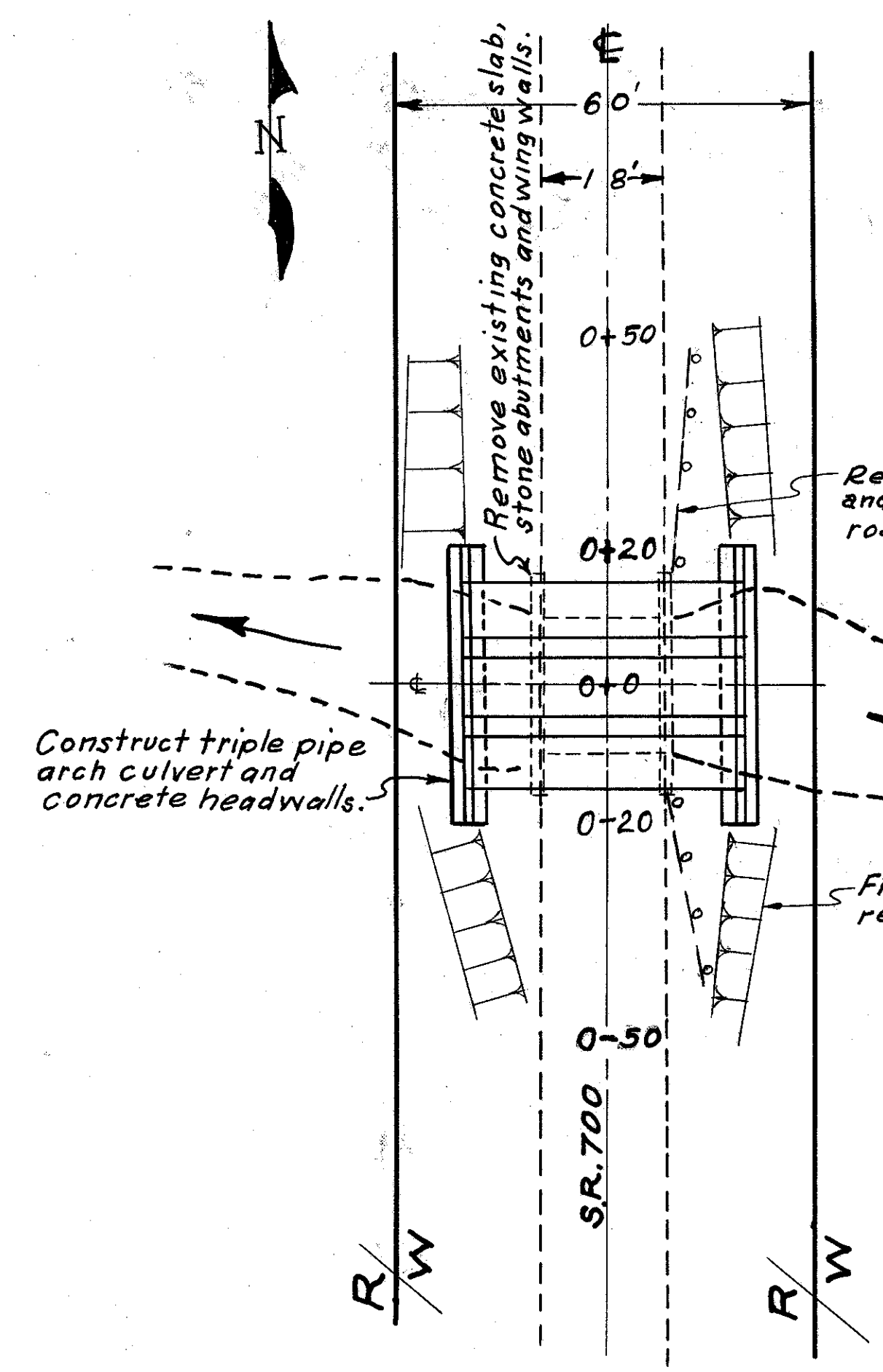


ELEVATION



* Note: Quantities shown above are for one headwall only.

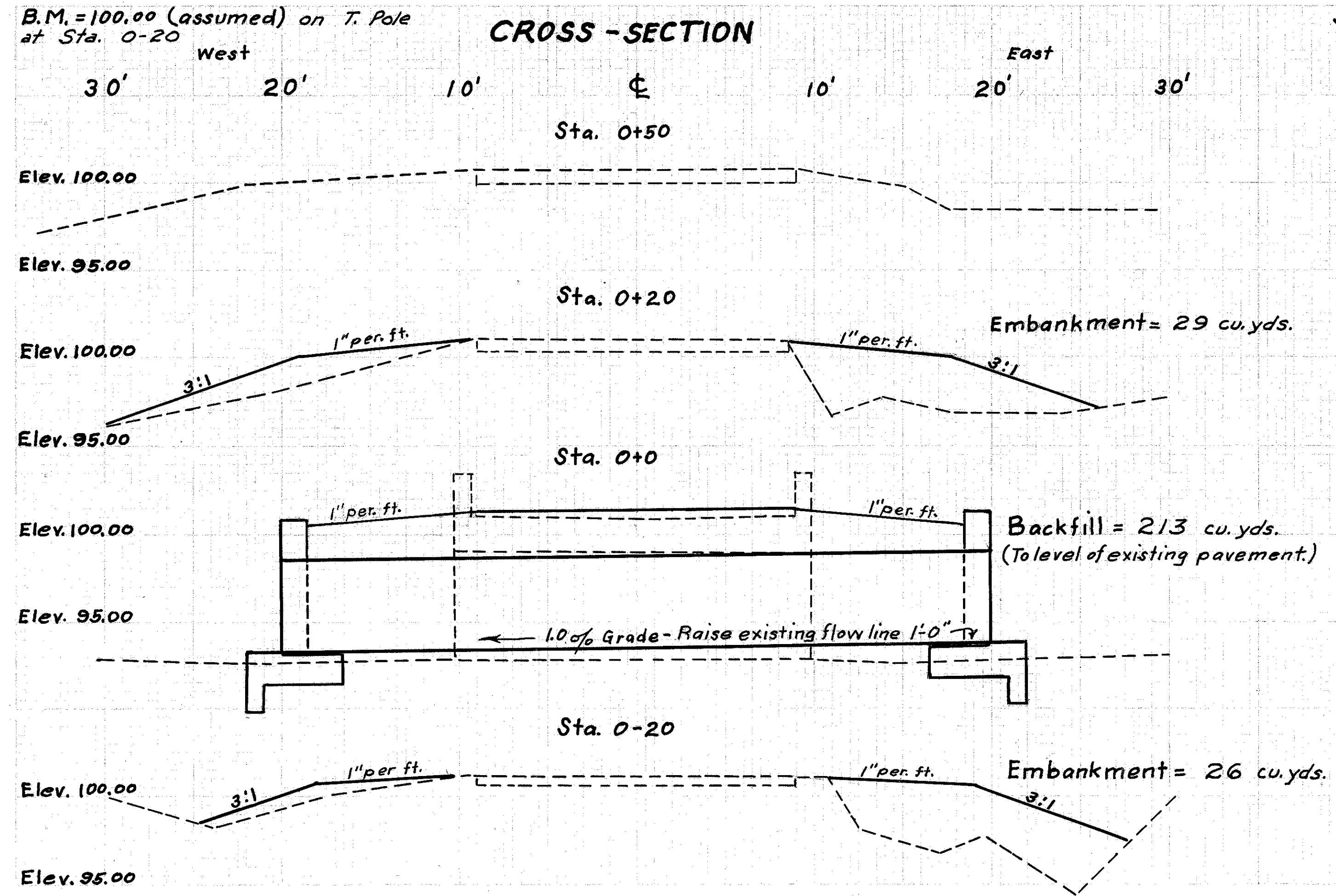
SITE PLAN
 Scale 1" = 20'



EXISTING BRIDGE DATA
 Type: Conc. slab on stone abuts.
 Span: 19'-11"
 Roadway: 17'-7" (narrow rdwy.)
 Skew: 0°
 Condition: Poor
 Drainage Area: 1.4 sq. mi.

PROPOSED BRIDGE DATA
 Type: Triple sec. corr. metal plate pipe arch
 Span: 3@7'-11" (Rise 5'-7")
 Roadway: 40'-0"
 Skew: 0°

CROSS-SECTION



B.M. = 100.00 (assumed) on T. Pole at Sta. 0-20

West 30' 20' 10' East 10' 20' 30'

Sta. 0+50

Elev. 100.00

Elev. 95.00

Total Borrow = 268 cu. yds.

Borrow: Limits of embankment shall be not more than 50 lin. ft. from center of structure.

WORK REQUIRED: Remove existing concrete slab structure including any necessary excavation in order to construct the triple pipe arch culvert as shown per detail plan. Construct new structure by placing three sectional corrugated metal plate pipe arch (span 7'-11" Rise 5'-7") culverts one foot above existing flow line. Build reinforced concrete head wall at each end as per plan. Fill in berms and grade area as shown by cross-section. Guard rail to be carefully removed and stored on side of roadway.

GENERAL NOTES

Sectional corrugated metal plate pipe arch to meet the provision of Sec. M 6.4 (9) of the Ohio Construction and Material Specifications. Bottom plates to be 2 gages heavier than remainder of pipe. The pipe to be furnished with square ends (No skew or bevel).

TRAFFIC: The construction of THIS proposal will require the closing to traffic of the highway and the route of detour will be, as shown on Sheet # 1.

Borrow: Borrow will be secured by the Contractor outside of the right of way limits.

Stored Material: Guard rail shall be stored on side of road and removed by the State Highway Maintenance Department.

ESTIMATED QUANTITIES

Item No.	Quantities	Description
E-2	60 cu. yds.	Excavation (Wet)
E-4	268 cu. yds.	Borrow. (Backfill and Embankment)
S-1	58 cu. yds.	Concrete, class 'C' (Headwalls)
S-4	1568 lbs.	Reinforcing steel.
S-24	Lump	Removal of existing structure (Including all necessary excavation with the placing of the metal pipe arch called for on the plans.)
S-28	120 lin. ft. (3@40'-0")	Sectional corrugated metal structure pipe arch. (Span 7'-11" Rise 5'-7") Sec. M-6.4 (9) Bottom plates 8 gage, remainder plates 10 gage.
I-15	56 lin. ft.	Guard rail removed and stored.