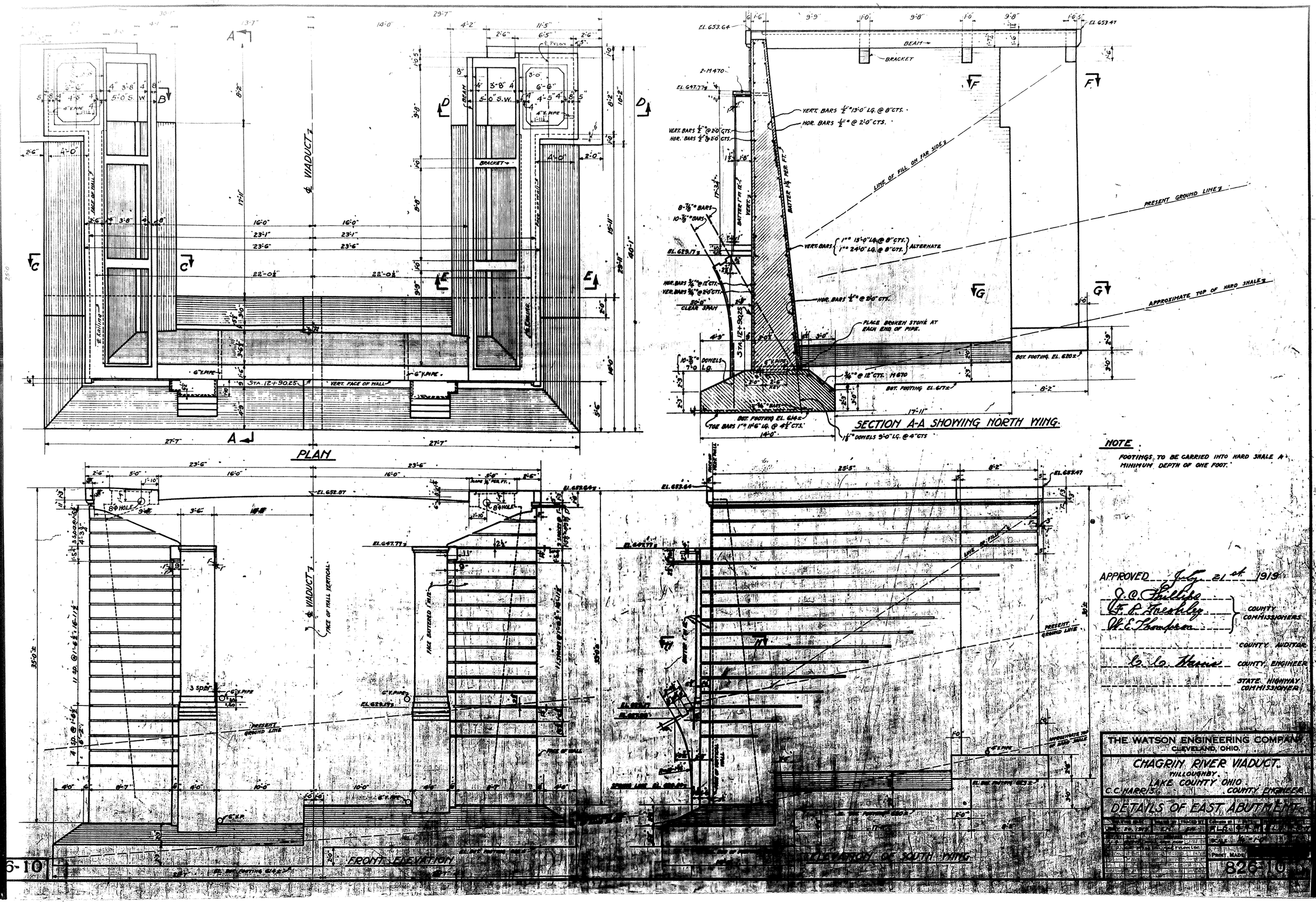
PLAN
SECTION A-A SHOWING NORTH WING.
FRONT ELEVATION
ELEVATION OF SOUTH WING
℄ VIADUCT
LINE OF FILL ON FAR SIDE
PRESENT GROUND LINE
APPROXIMATE TOP OF HARD SHALE
PLACE BROKEN STONE AT EACH END OF PIPE.
VERT. BARS 1/2" @ 13'-0" LG. @ 8" CTS.
HOR. BARS 1/2" @ 2'-0" CTS.
VERT. BARS 1" @ 13'-0" LG. @ 8" CTS. 1" @ 24'-0" LG. @ 8" CTS. ALTERNATE
HOR. BARS 1/2" @ 2'-0" CTS.
BOT. FOOTING EL. 620±
BOT. FOOTING EL. 617±
BOT. FOOTING EL. 614±
TOE BARS 1" @ 11'-6" LG. @ 4 1/2" CTS.
1 1/8" DOWELS 9'-0" LG. @ 4" CTS
STA. 12+90.25
VERT. FACE OF WALL
FACE OF WALL VERTICAL
FACE BATTERED 1" IN 12"
BATTER 1 1/4" PER FT.
BEAM
BRACKET
EL. 653.64
EL. 653.47
EL. 647.77
EL. 652.87
EL. 629.17
8 Φ HOLE
6" V. PIPE
3 SPBR.
PRESENT GROUND LINE
APPROXIMATE TOP OF HARD SHALE
LINE OF FILL
NOTE
FOOTINGS TO BE CARRIED INTO HARD SHALE A MINIMUM DEPTH OF ONE FOOT.
APPROVED July 21st 1919
J. C. Phillips
F. P. Freshley
W. E. Thompson
COUNTY COMMISSIONERS
COUNTY AUDITOR
C. C. Harris
COUNTY ENGINEER
STATE HIGHWAY COMMISSIONER
THE WATSON ENGINEERING COMPANY
CLEVELAND, OHIO.
CHAGRIN RIVER VIADUCT.
WILLOUGHBY.
LAKE COUNTY OHIO
C. C. HARRIS, COUNTY ENGINEER
DETAILS OF EAST ABUTMENT
826-10