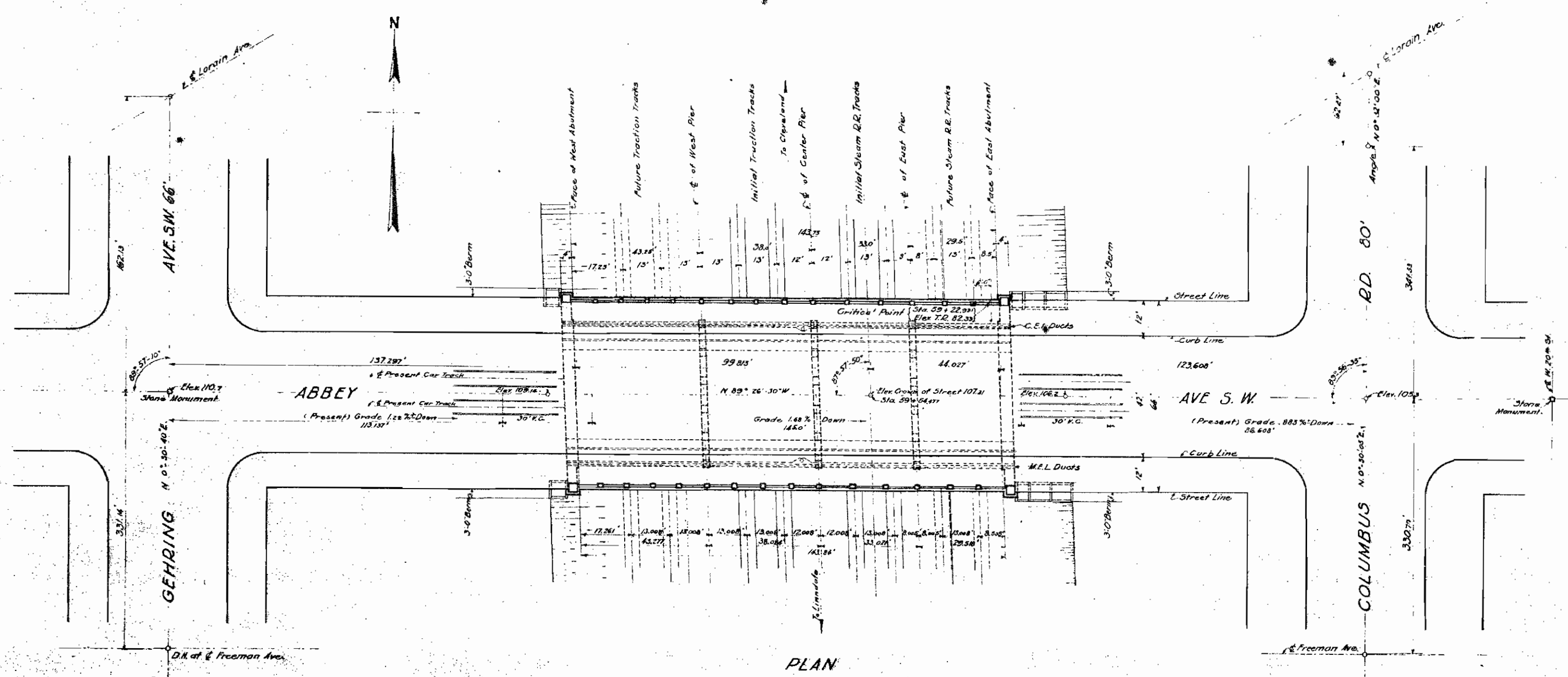
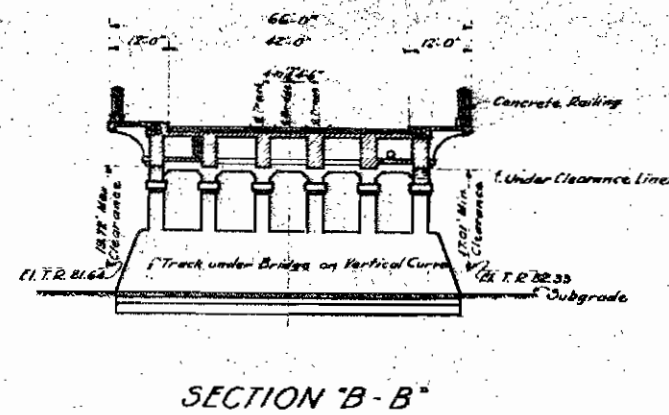
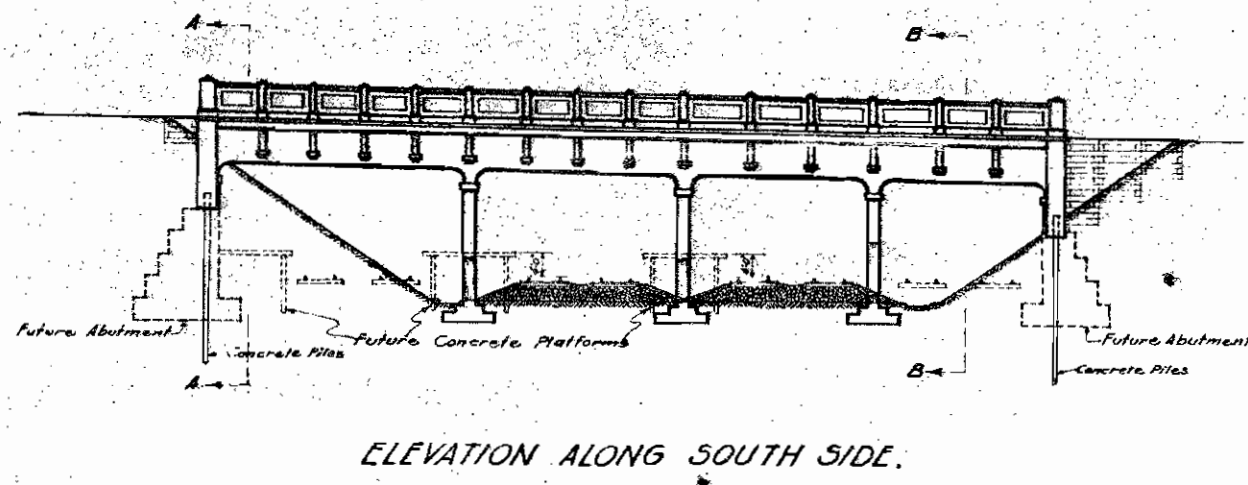
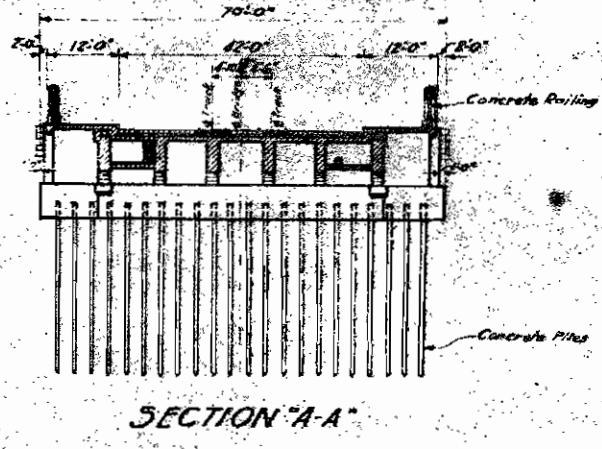


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NOTES:
 Specs. - The Cleveland Union Terminal Co's Specifications for Steel Highway Bridges, Issue No. 1, July 1924.
 Dead Load - Medina Block pavement 60' per sq ft.
 Reinforced Concrete 150' per cu ft.
 Live Load - (1) 80 Ton Motor Car followed by 2 - 50 Ton Trailers, Axles 6'-0" ctrs. Trucks 30'-0" ctrs and Cars 50'-0" ctrs.
 (2) 20 Ton Trucks with 80% on the Rear Axle, Wheels 5'-0" ctrs. Axles 14'-0" ctrs and Trucks 34'-0" ctrs.
 (3) Sidewalk L.L. 80' per sq ft. or 2 - 2500' concentrated loads at 5'-0" ctrs.
 Impact (see Specifications)
 Unit Stresses -
 (See Specs.)
 Compression Extreme Fibre 700%
 do Axial 500%
 Reinforced Concrete Shear used as a Measure of Diagonal Tension 50%
 Tension 16000%
 Steel Compr. Reint. Steel 10000% max.
 Substructure and Superstructure Concrete to be Class 2 (1-2-4 Mix).
 Waterproofing Protection to be Class 2 (1-2-4 Mix) reinforced with Triangular Wire Mesh (ASTM Spec. No. 033).
 Roadway Pavement to be Medina Block Grout filled.
 Encasement for Telephone Cables to be Class 3 Concrete (1-3-4)



We hereby certify that this Plan shows the structure as built:
 [Signature]
 Engineer of Structures
 [Signature]
 Engineer of Construction

Approved [Signature] Engineer of Structures
 Approved [Signature] Principal Assistant Engineer
 Approved [Signature] Assistant Electrical Engineer
 Approved [Signature] Engineer of Construction

Approved CITY OF CLEVELAND
 Signed ROBERT HOFFMAN, MAY 15 1925
 Commissioner of Engineering

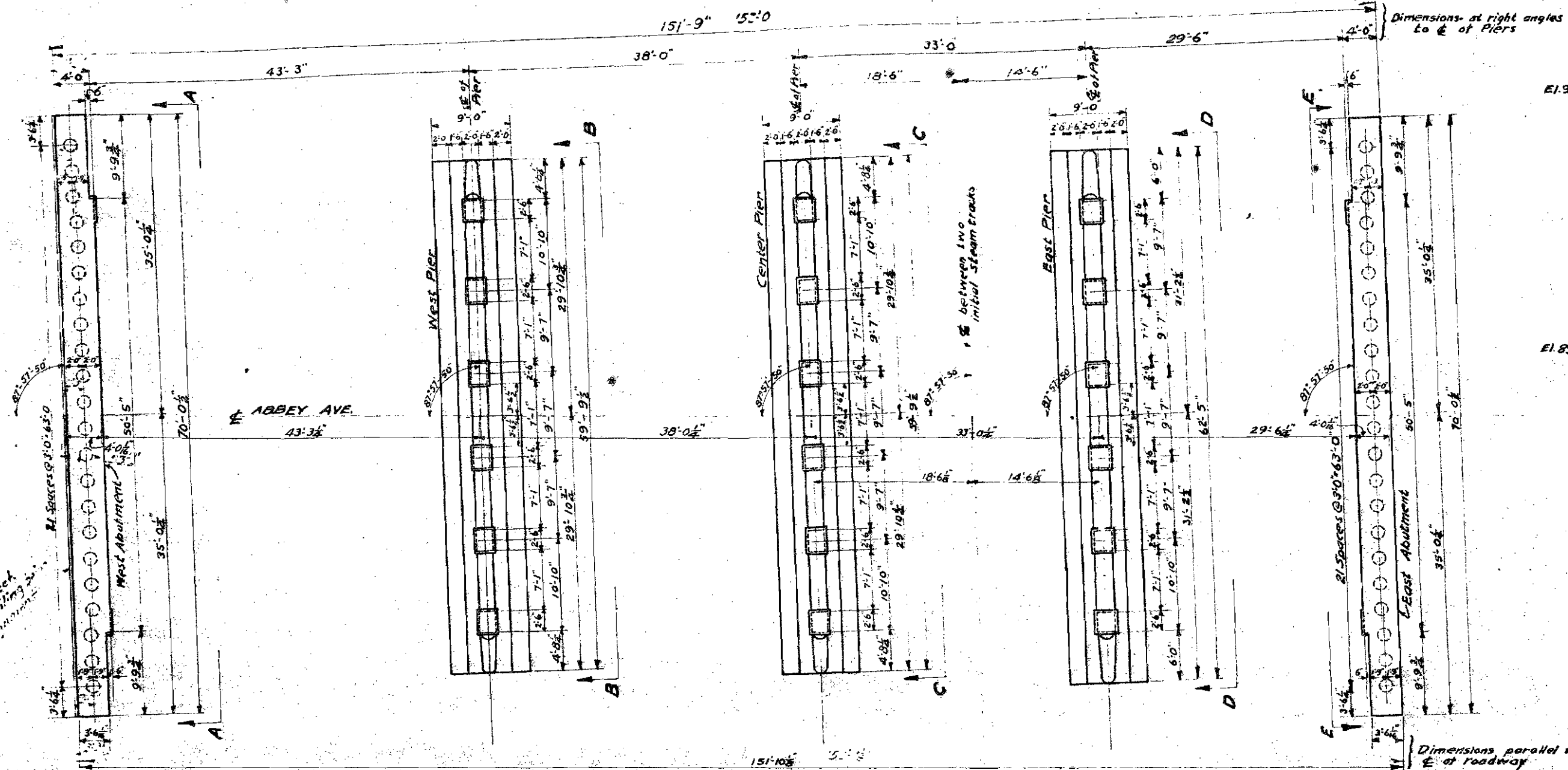
NOTE: FOR ORIGINAL OF THIS SIGNATURE SEE BLUE PRINT FILED UNDER 113-029 S.

THE CLEVELAND UNION TERMINALS CO.
 ABBEY AVE BRIDGE
 GENERAL PLAN, ELEVATION AND SECTIONS
 CLEVELAND, OHIO
 OFFICE OF ENGINEER OF STRUCTURES
 SCALE 1" = 20'-0"
 ISSUE No. 7
 Revised 3-30-25

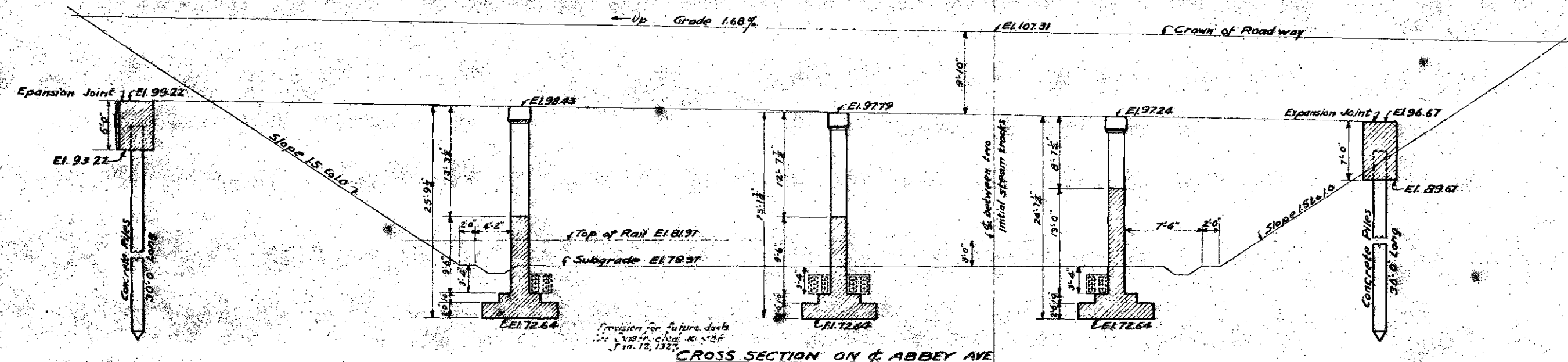
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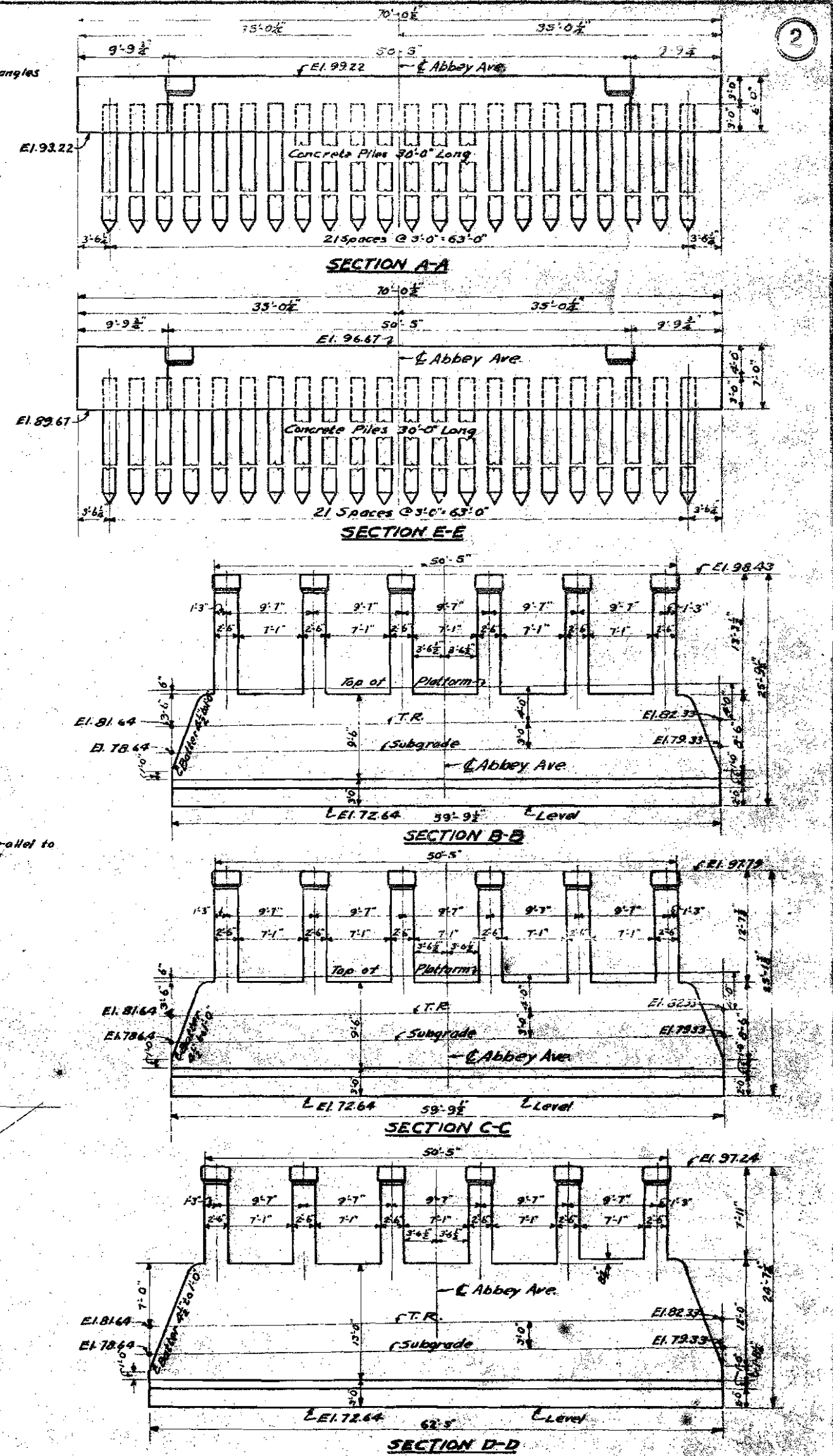
No. A Sept. 10, 1924
 No. B Oct. 17, 1924
 Elevation of East Abutment
 led. Slope lines changed
 1:7 to 1:10 to 15 to 1:0
 tensions changed.
 No. C Dec. 31, 1924
 Added duct lines. Added
 of platform. Changed
 tension 9:2 to 7:6
 No. D Jan. 8, 1925
 Signed by Chief Engineer.
 No. E Jan. 19, 1925
 Dimensions added on Sections
 B, C, D, and E.
 tension lines on plan rearranged.
 No. F Mar. 15, 1925
 Signed by Commissioner of
 Engineering, City of Cleveland.
 No. G Jan. 12, 1927
 CONNECTED TO CONFORM TO
 STRUCTURE AS BUILT.



PLAN OF PIERS



CROSS SECTION ON E ABBEY AVE



Approved *[Signature]*
 Engineer of Structures
 Approved *[Signature]*
 Principal Assistant Engineer
 Approved *[Signature]*
 Assistant Electrical Engineer
 Approved *[Signature]*
 Engineer of Construction

Plan Approved
 CITY OF CLEVELAND
 By *[Signature]*
 Commissioner of Engineering

NOTE: FOR ORIGINAL OF THIS SIGNATURE
 SEE BLUE PRINT FILED UNDER 113-029-3

We hereby certify that this Plan
 shows the structure as built.
[Signature]
 Engineer of Structures
[Signature]
 Engineer of Construction

THE CLEVELAND UNION TERMINALS COMPANY
 ABBEY AVE. BRIDGE
 PLAN AND ELEVATIONS OF PIERS AND ABUTMENTS
 CLEVELAND, OHIO
 OFFICE OF ENGINEER OF STRUCTURES
 SCALE 1/4" = 1'-0"
 ISSUE NO. 1
 SEPTEMBER 14, 1925
 REVISED 2-11-1927

