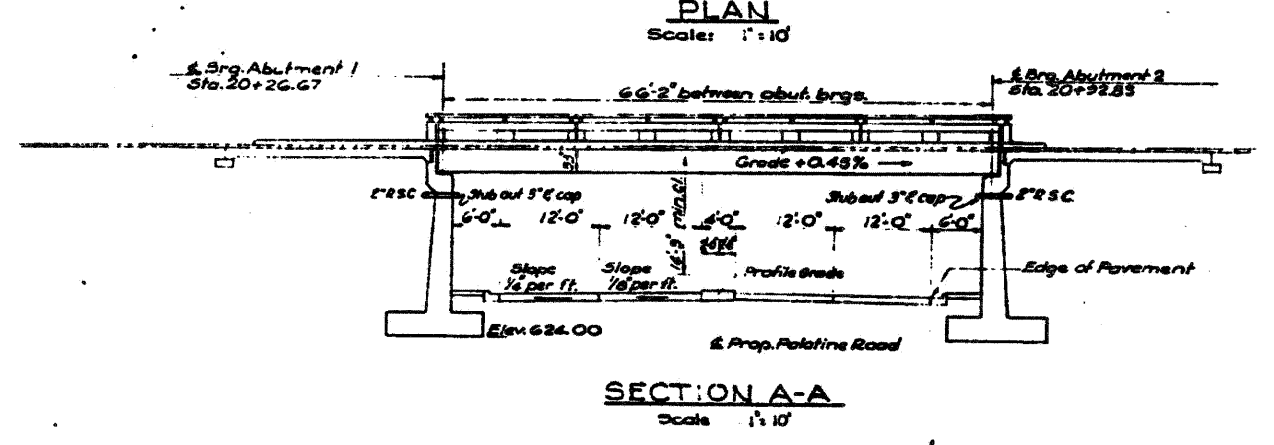
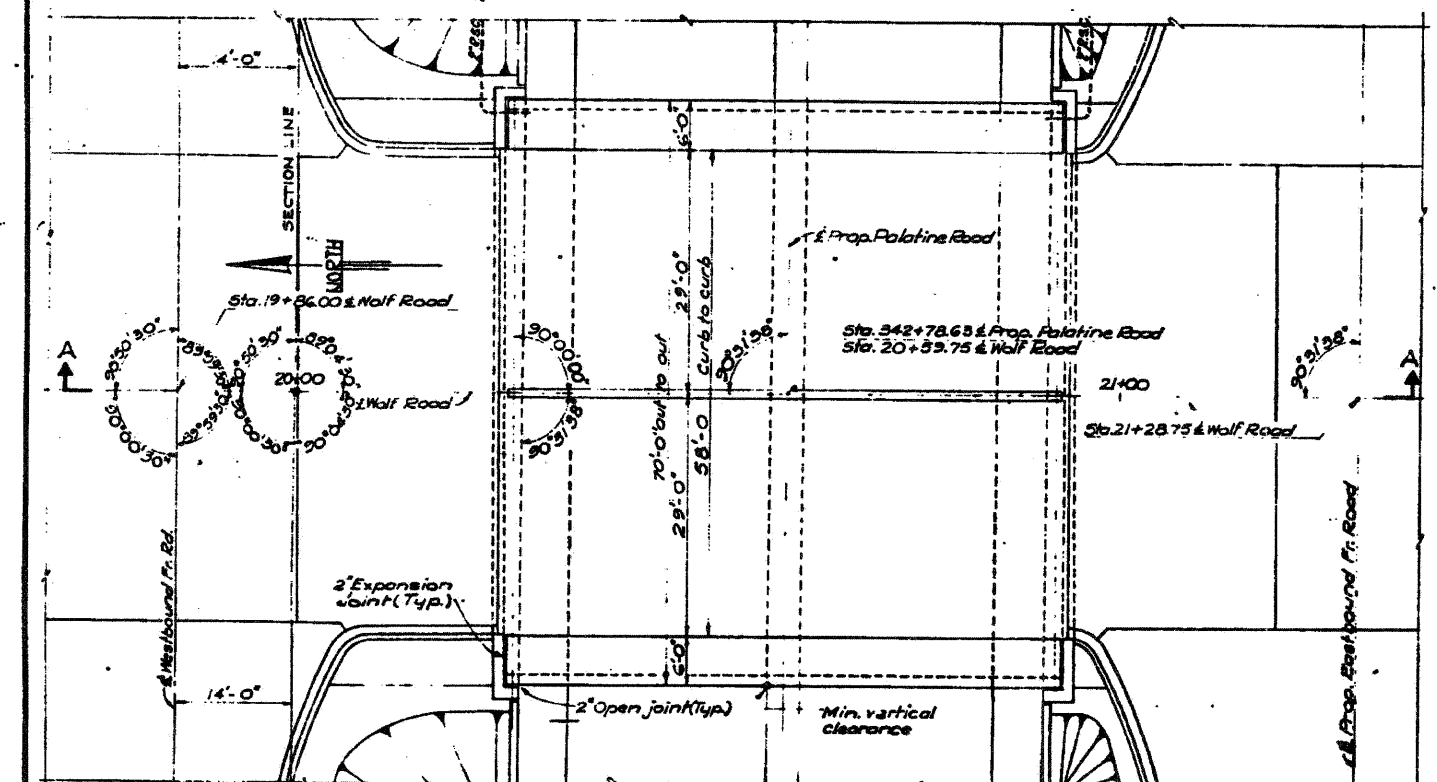
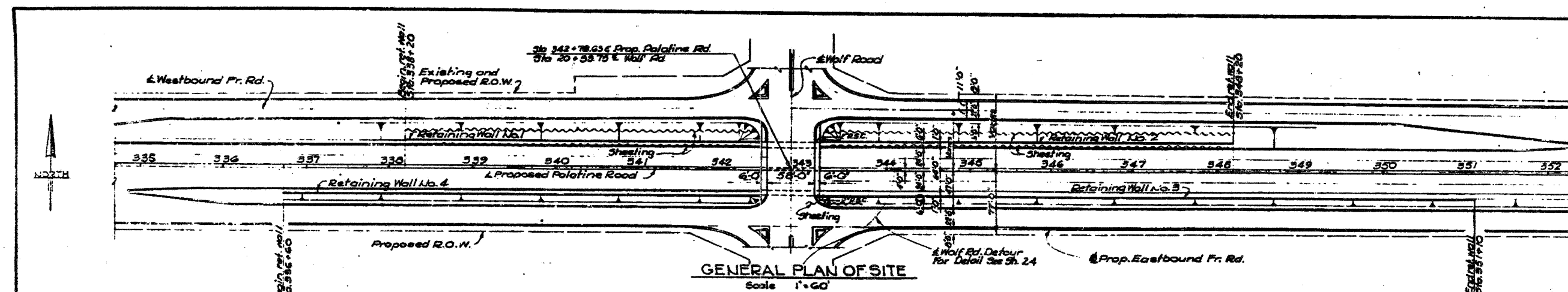


Sheet No.	Year	Sheet No.	Total Sheets
116		95	129



GENERAL NOTES

SPECIFICATIONS
General:
 Standard Specifications for Road and Bridge Construction, 1958 Edition, and Supplemental Specifications, effective April 2, 1962, of the Division of Highways, State of Illinois, and Special Provisions.

Design:
Bridges:
 Standard Specifications for Highway Bridges, 1961 Edition, of the American Association of State Highway Officials (AASHTO) with tentative Revision T.8 (59) and "Criteria for Prestressed Concrete Bridges," 1954 Edition, Bureau of Public Roads, supplemented with Tentative Recommendations for Prestressed Concrete, 1958 Edition American Concrete Inst. & American Society of Civil Engineers except as noted.

Retaining Walls:
 Standard Specifications for Highway Bridges 1957 Edition of the AASHTO except as noted.

LOADING
 Bridges: H-20-S16-44
 Retaining Walls: Equip. Fluid Pressure 40 lb/cu.ft.

MATERIALS
Concrete:
 Class X (General Specifications) with $f'_c = 3,500$ psi at 28 days shall be used throughout except in Precast Prestressed Concrete Bridge Box Beams (See Special Provisions.)

Reinforcing Steel:
 Intermediate grade conforming to A.S.T.M. Specifications AIS-58T, with deformations conforming to A.S.T.M. Specifications A503-56T.

Structural Steel: Shall be of Carbon Steel and conform to A.S.T.M. Spec. A-36

Prestressing Steel: Shall be seven wire cable strands with a minimum ultimate strength of 250,000 psi.

ALLOWABLE STRESSES
 Concrete: Class X (w/o Earth Pressure) $f_c = 1,400$ psi. (With Earth Pressure) $f_c = 1,000$ psi.

Concrete for P.R.C. & B.B.: (See Special Provisions.)

Reinforcing Steel: Intermediate grade $f_s = 20,000$ psi.

Structural Steel: A.S.T.M. Specifications A-36

Prestressing Steel: Special Provisions.

Foundation Bearing Pressure: 4,000 p.s.f.

CONSTRUCTION
Bridge Seats: Shall be constructed to exact elevations shown. If brush former or grading is necessary, this work shall be done at no additional cost.

Latent Reinforcing: When deck units are in place prior to grouting fascia beam cavities, the transverse rods shall be given preliminary tightening to pull the deck units together. Final tightening shall be done by loosening the nuts, then giving sufficient turns from a hand-tight position to develop a stress of 30,000 psi of the tensile stress area. This requires a wrenching torque of about 1,050 ft.-lb. The tensioning rods are not required to be grouted except at fascia beams.

Exposed Surfaces: of concrete or rebar to be treated with silicone. (See Special Provisions, Re: Water Soluble Silicone Surface Treatment).

SHEETING
 The Contractor shall submit to the Engineer for his approval, plans for the sheeting in accordance with Article 5.3 of the Standard Specifications. The cost for furnishing, installing & subsequent removal of the sheeting shall be considered as included in the unit price bid per cubic yard for Excavation for Structures.

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
JEROME SIMON President, Board of Commissioners	WILLIAM J. MORTIMER Superintendent of Highways
PROP. PALATINE ROAD UNDER WOLF ROAD	
GENERAL PLAN	
VOGT, IVERS, & ASSOCIATES ENGINEERS - ARCHITECTS CHICAGO	COMPUTED: T.E.C. DRAWN: T.E.C. CHECKED: C.E.L. SCALE: AS NOTED
PROJECT APPROVED	DATE: 4/19/62 BY: [Signature]
SHEET NO. 116	TOTAL SHEETS 129

REVISIONS	
DATE	DESCRIPTION

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FOR INFORMATION ONLY