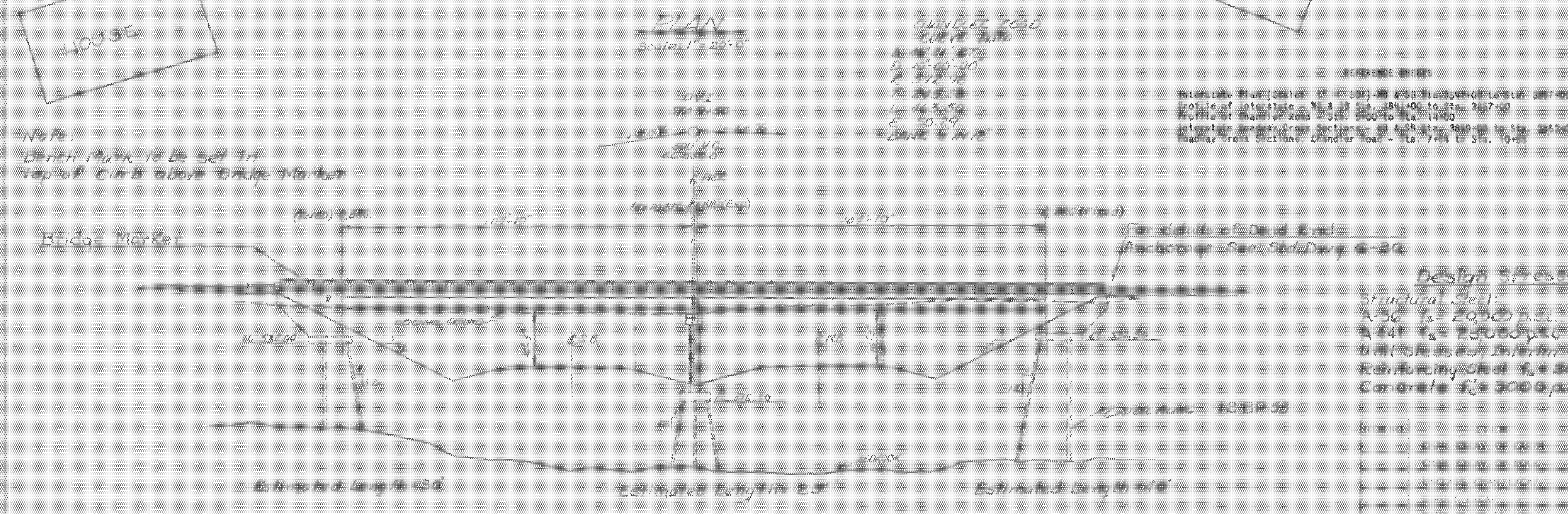
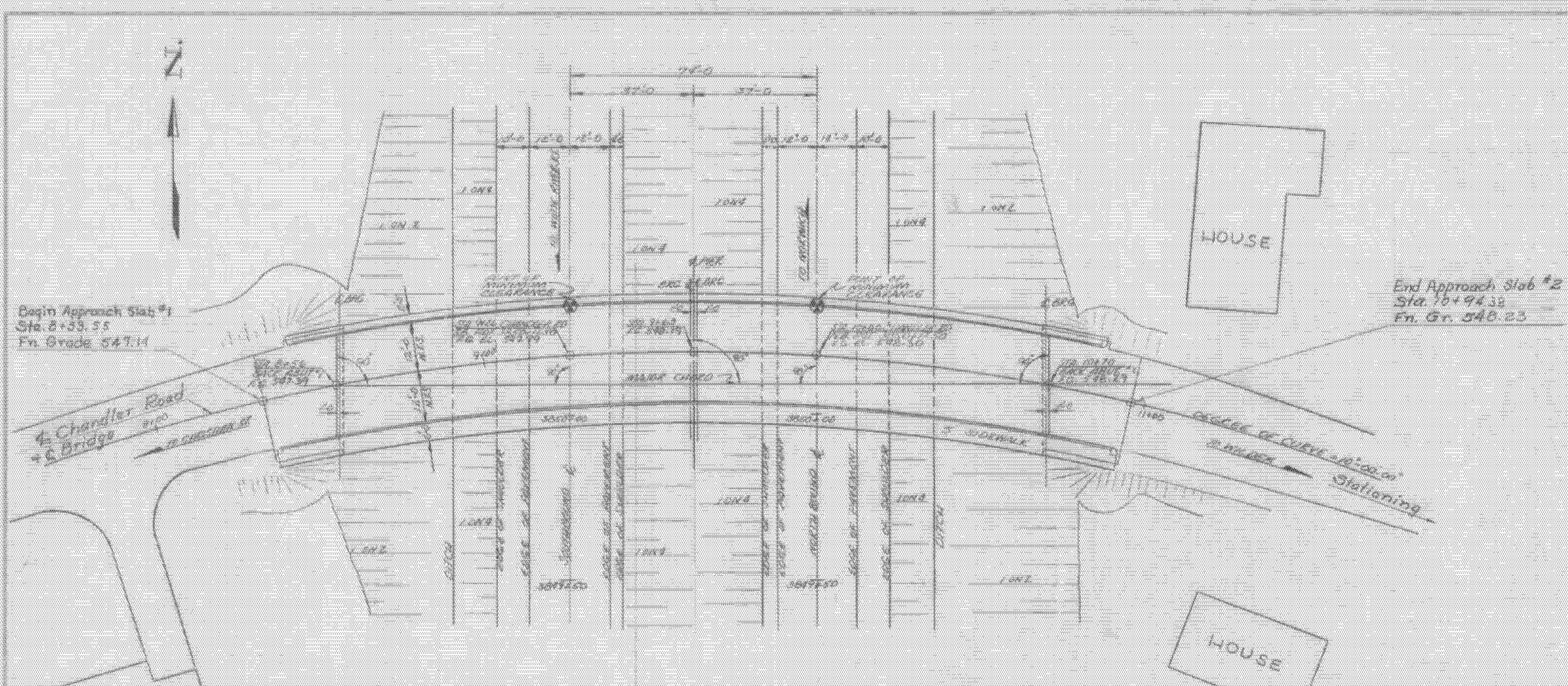




PLAN
Scale: 1" = 20'-0"

ELEVATION
Scale: 1" = 20'-0"

Design Stresses
Structural Steel:
A-36 $f_y = 20,000$ p.s.i.
A-441 $f_y = 28,000$ p.s.i. (AASHTO 16.417)
Unit Stresses, Interim Specifications (1963)
Reinforcing Steel $f_y = 20,000$ p.s.i.
Concrete $f'_c = 3000$ p.s.i. $N=10$

Steel piling (12 BP-53) shall be driven to point bearing on ledge unless the designed bearing capacity of 45 tons per pile is attained above ledge elevation.

Item 505, Pile Loading Tests, shall be used for each substructure when called for by the Engineer.

GENERAL NOTES

SPECIFICATIONS: All materials and construction shall conform to the State of Vermont, Department of Highways, Standard Specifications for Highway and Bridge Construction dated April, 1964, and the A.A.S.H.O. Standard Specifications for Highway Bridges dated 1961 together with the latest revisions. Welding shall conform to Specifications for Welded Highway and Railway Bridges of the American Welding Society, AWS D2.0-63.

Design is for HS20-44 loading modified for the National System of Interstate Highways, applied in accordance with the provisions of the A.A.S.H.O. Standard Specifications, Article 1.2.6.

STRUCTURAL STEEL: All girder flange plates, webs and stiffeners shall conform to A.S.T.M. Designation A441-62T. Unless otherwise noted on the plans, all other Structural Steel shall conform to A.S.T.M. Designation A36-62T. Unless otherwise detailed, all field connections shall be made with 7/8" high strength bolts (A325) using 15/16" holes. Where connections are not detailed on the plans, they shall be detailed by the fabricator and submitted to the State for approval.

Details of shear connectors shall be submitted to the State for approval. The camber shall approximate a simple circular curve from end to end of plate girder. After the structural steel has been erected, elevations to the top of the plate girders shall be taken under the direction of the engineer to determine the final grade.

No scuppers are required.

PAINT: The final coat of field paint shall be dark green, unless otherwise directed by the engineer.

All exposed edges of concrete shall be chamfered 1" x 1".

Construction joints shall be as indicated on the Standards, unless otherwise indicated on the plans.

REINFORCING STEEL: Minimum cover for reinforcing steel, measured from the surface of the reinforcement, shall be 2" unless otherwise specified.

PILES: Steel piles shall be driven to point bearing on ledge unless the designed bearing capacity of 45 tons per pile is attained above ledge elevation.

GENERAL: All dimensions given are at 90° and are measured horizontally, or vertically, unless otherwise noted.

Borings indicated on the drawings have been made for design purposes only and are not warranted to show actual sub-surface conditions.

The entire exposed top surface of the abutment bridge seats and pier shall be coated with Item 407, Asphaltic-Asbestos Coating 1/2" thick. This item shall be applied after all painting and incidental items are completed. Unless otherwise designated, all expansion material shall not contain asphalt or bituminous material and it shall conform with A.A.S.H.O. Designation: M153 Type II.

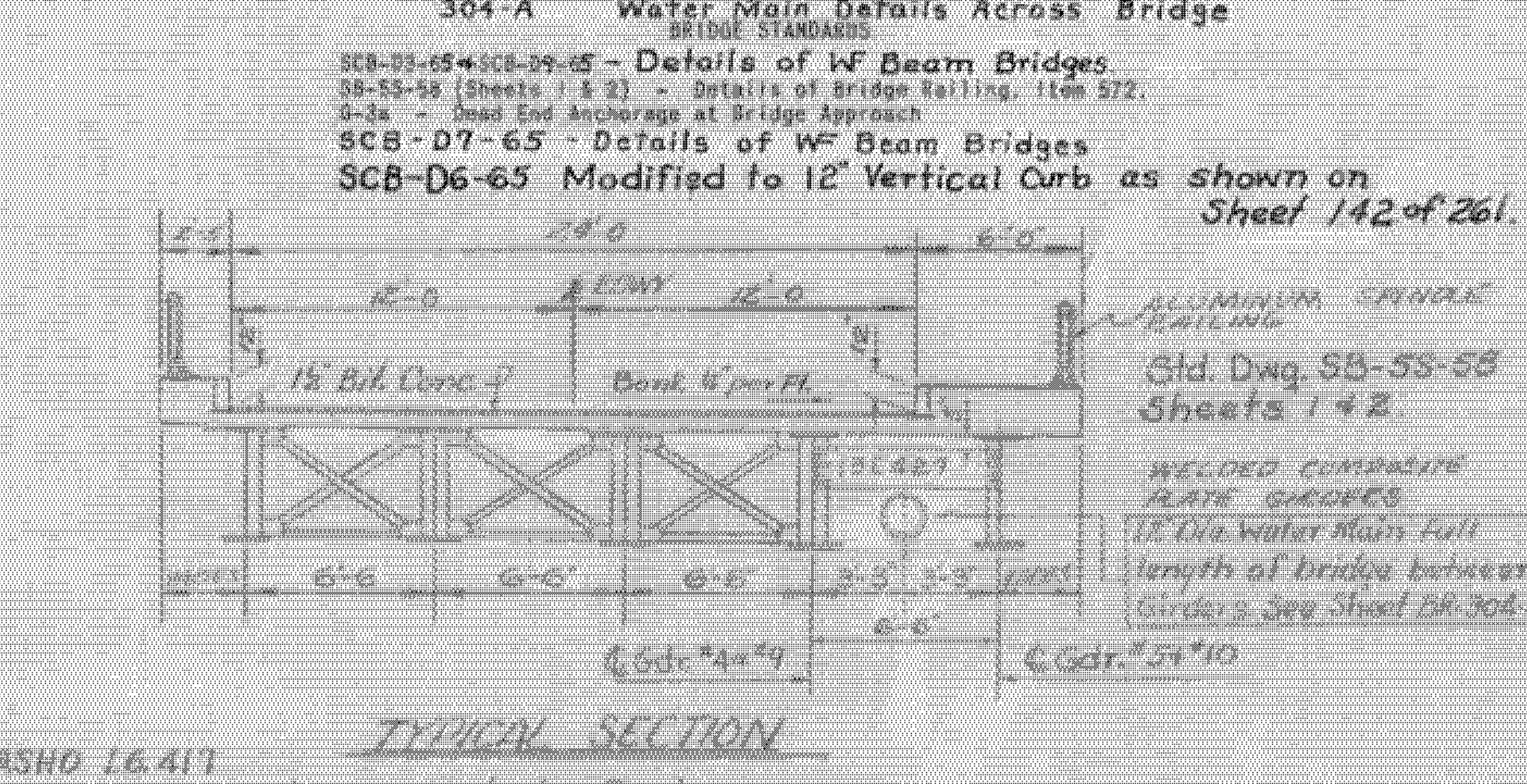
Where bituminous concrete pavement is called for as a wearing surface on bridge decks and approach slabs, it shall be a dense graded top course material, applied in one course, one and one-half inches (1 1/2") thick.

Item 440, Water Repellent, shall consist of furnishing and applying water repellent on exterior concrete surfaces on top of the safety walk, sidewalk, on the fascia and back to the drip bead under the slab, on the sides, ends and bottoms of all pier caps, and on exposed areas of abutments not otherwise treated.

Bridge seat elevations shown on these plans are for the centerline of bearings.

LIST OF BRIDGE SHEETS

88-206	Plan & Elevation
88-207	Bridge Quantity Sheet
88-208	Preliminary Information Sheet & Boring Plan
88-209	Boring Logs
88-210	Foundation Plan, Girder & Bearing Details
88-211	Expansion Dam Details
88-212	Detail & Curb Layout & Typical Section
88-213	Details of Abutment No. 1
88-214	Details of Abutment No. 2
88-215	Pier Layout Details
88-216	Details of Pier - Reinforcing Steel
88-217	Details of Approach Slabs
88-218	Reinforcing Steel Schedule
88-219	Water Main Details Across Bridge



STAGE I CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF HARTFORD (Urban)

ROAD NO. BRIDGE NO. 53-83

CHANDLER ROAD OVER I-91

PLAN & ELEVATION

Scale: As Noted

SURVEYED BY Singleton

DRAWN BY S.H.S. CHECKED BY R.L.D.

PROJECT NO. 2-91-210

SHEET 136 OF 161

BR-300