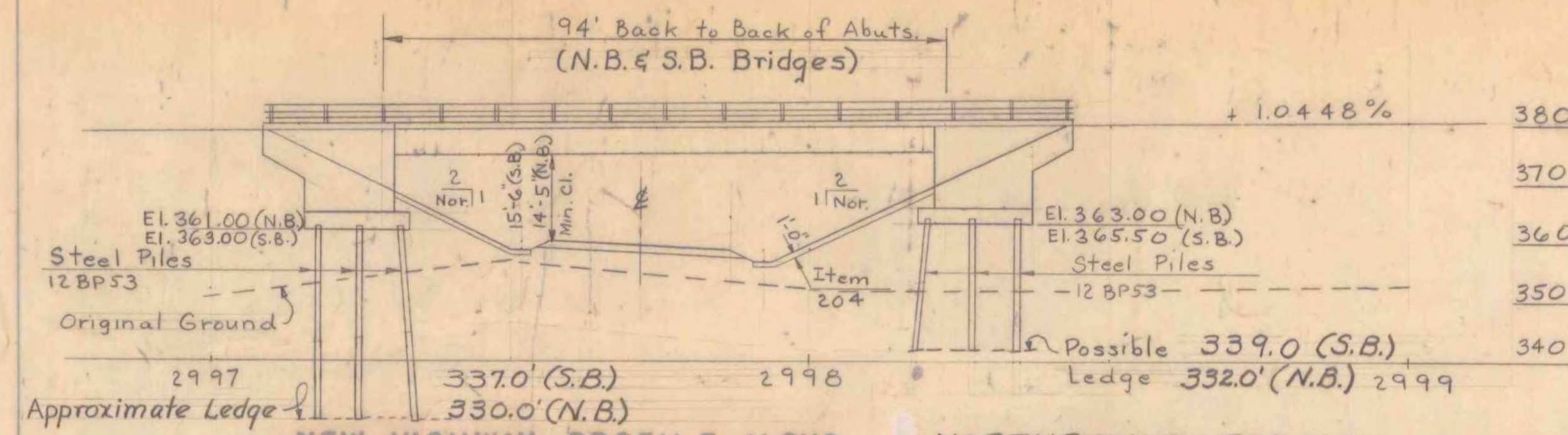


NEW HIGHWAY SECT. I 89 @ NB Sta. 2996+10
 SCALE 1" = 20' @ SB Sta. 2997+00



NEW HIGHWAY PROFILE ALONG NORTHBOUND FASCIA
 Est. length of Piles (S.B. 30') (N.B. 35')
 SCALE 1" = 20'

HIGHWAY NO I 89 NAME OF HIGHWAY Interstate
 STRUCTURE NO S3-88 COUNTY Franklin TOWN Georgia
 PROJECT NO I 89-3(89) LOCATION Town Road #6
 Milton - Georgia

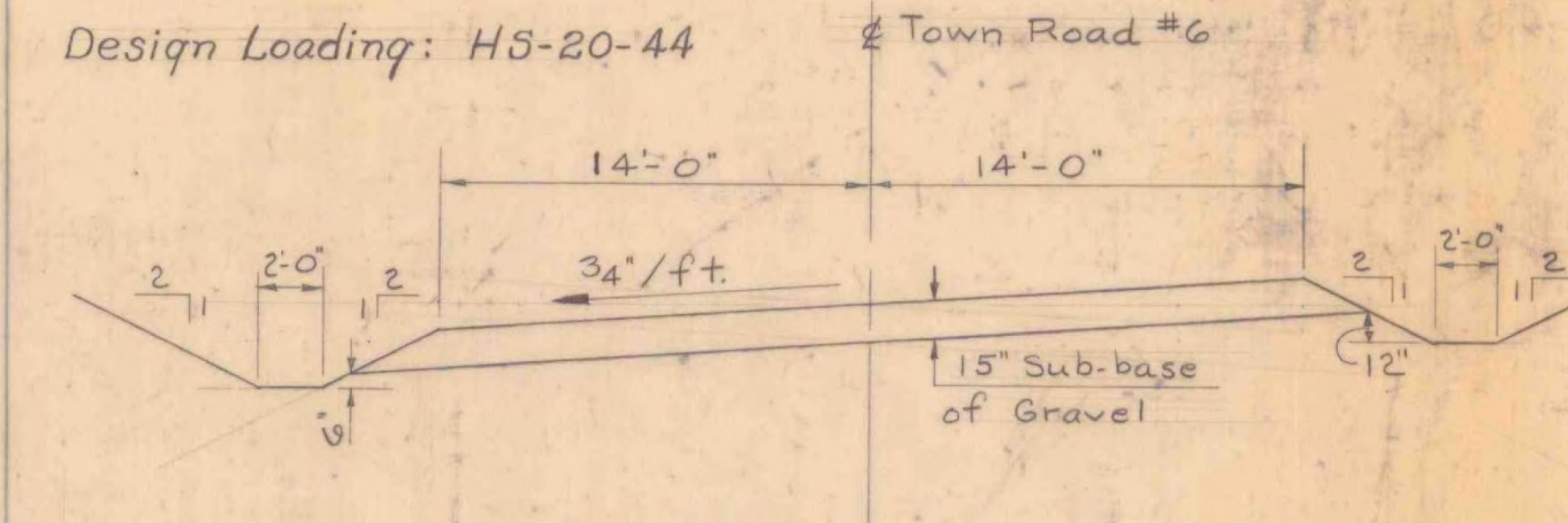
- EXISTING STRUCTURE
- 1 RATED LOADING OF EXISTING STRUCTURE
 - 2 TYPE OF EXISTING STRUCTURE
 - 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE
 - 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE COST OF REMOVAL
 - 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE
 - 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT
 - 7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE WATERWAY TO ORDINARY H.W.
 - 8 EXTREME HIGH WATER AT EXISTING STRUCTURE WATERWAY TO EXTREME H.W.
 - 9 SPAN OF EXISTING BRIDGE UPSTREAM WATERWAY TO EXTREME H.W.
 - 10 SPAN OF EXISTING BRIDGE DOWNSTREAM WATERWAY TO EXTREME H.W.
 - 11 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS
 - 12 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE
 - 13 IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED
 - 14 ADDITIONAL WATERWAY AREA PROVIDED

- NEW STRUCTURE
- 1 RECOMMENDED TYPE OF STRUCTURE Std. Composite Beam Bridges (N.B. & S.B.)
 - 2 RECOMMENDED CLEAR SPAN OR SPANS One span @ 94' (N.B.); One span @ 94' (S.B.)
 - 3 MEASURED PARALLEL TO NEW HIGHWAY
 - 4 MEASURED AT RIGHT ANGLES TO STREAM
 - 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO
 - 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE
 - 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE SOURCE OF INFORMATION
 - 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE?
 - 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? IS ORDINARY SIDE RAPID?
 - 10 LOW WATER ELEVATION AT NEW STRUCTURE
 - 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE CHARACTER OF TERRAINE
 - 12 IS STREAM EVER DRY?
 - 13 VELOCITY OF STREAM AT HIGH WATER STAGE ESTIMATED DISCHARGE
 - 14 AREA FULL OPENING AREA BELOW ORDINARY H.W.
 - 15 CHARACTER OF SCOUR DRIFT IDE
 - 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE
 - 17 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION
 - 18 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE No BOTH SIDES
 - 19 RECOMMENDED TYPE OF PAVEMENT 12" Bituminous Concrete
 - 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. ONE OR TWO WAYS PROBABLE COST
 - 21 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE
 - 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? No
 - 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 45 Tons SHOULD PILES BE USED? Yes SET WITH 35" per pile (Stl. Piles - 12 BP53) Max.

FOUNDATION INFORMATION

OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. BOULDERS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.

Note: Structural steel for beams is to be A.S.T.M. A 36

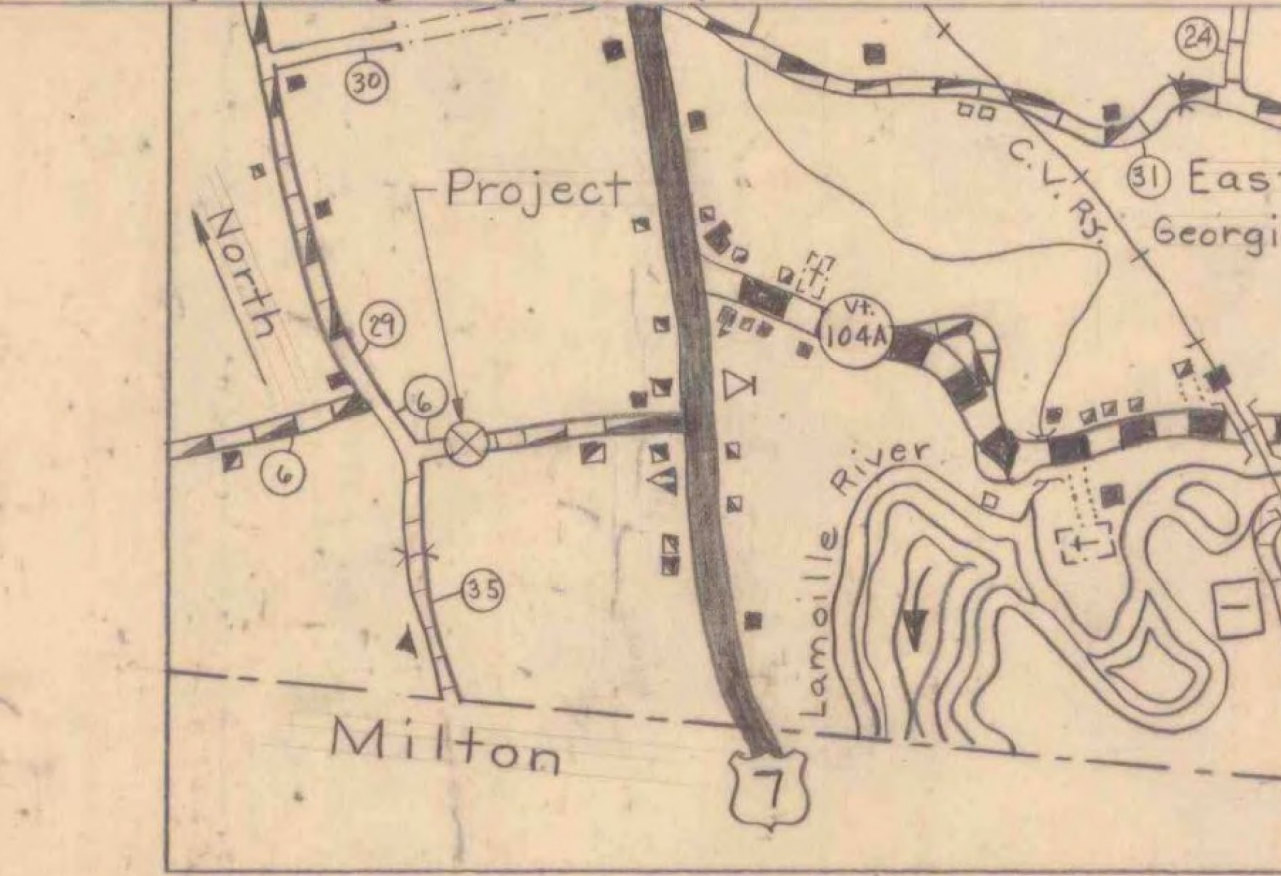
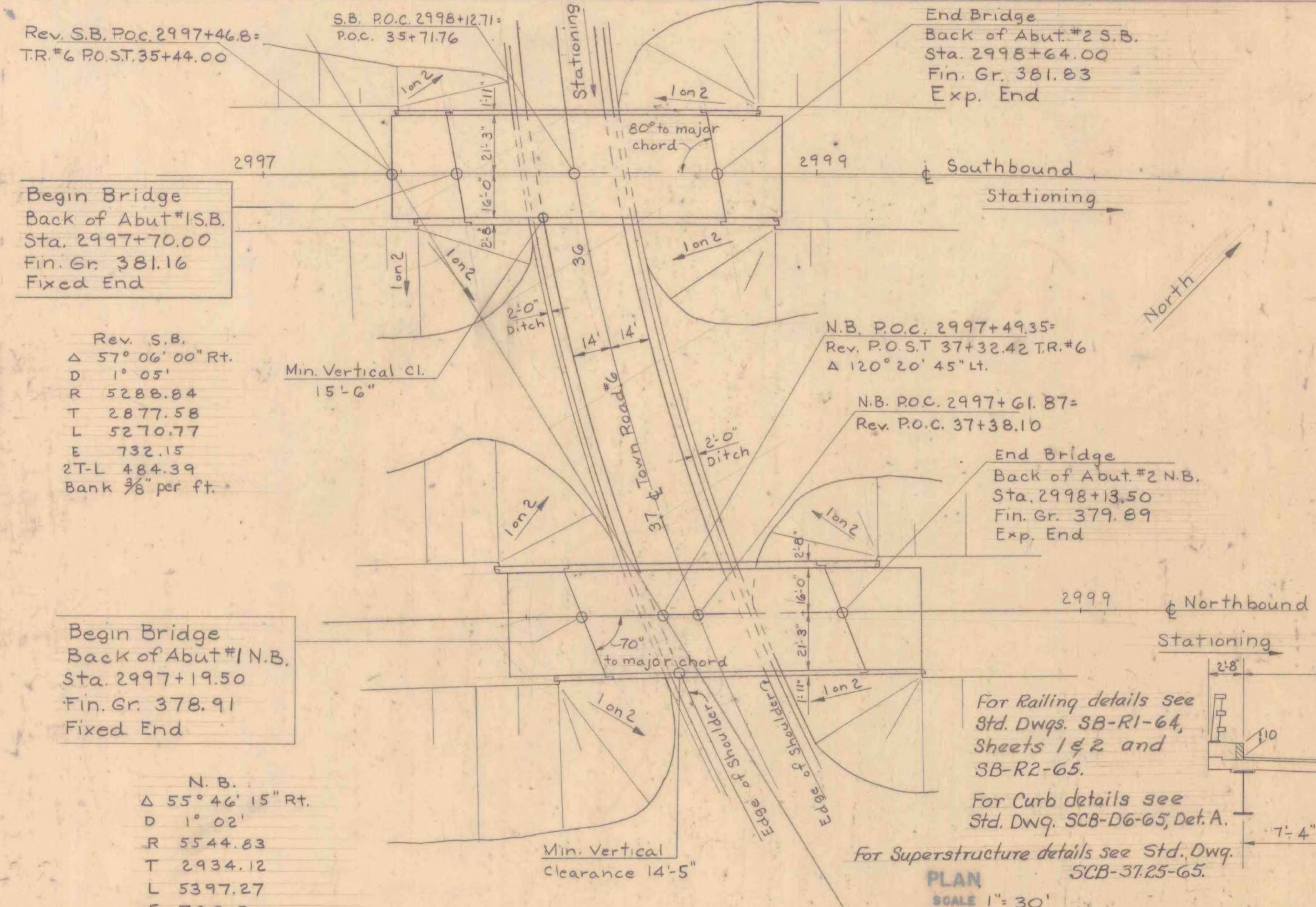


Design Stresses:
 A 36 Structural Steel $f_s = 20,000$ p.s.i.
 Reinforcing Steel $f_s = 20,000$ p.s.i.
 Concrete $f'_c = 3,000$ p.s.i. $N = 10$

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 Interstate IN THE TOWNS OF
 Milton - Georgia
 ROUTE NO I 89 LOG STA
 I 89 over Town Road #6

WILLISTON - GEORGIA
 IM MEMB(25)
 SHEET 30 OF 38
 BRIDGES 84 N AND S
 FOR REFERENCE ONLY

BR-102
 Sheet 132 of 1775 sheets



Town Road #6
 Revised Curve
 $\Delta 69^\circ 41' 30''$ Lt.
 D 7' 30"
 R 763.94
 T 531.87
 L 929.22
 E 166.91
 Bank 3/4" per ft.

