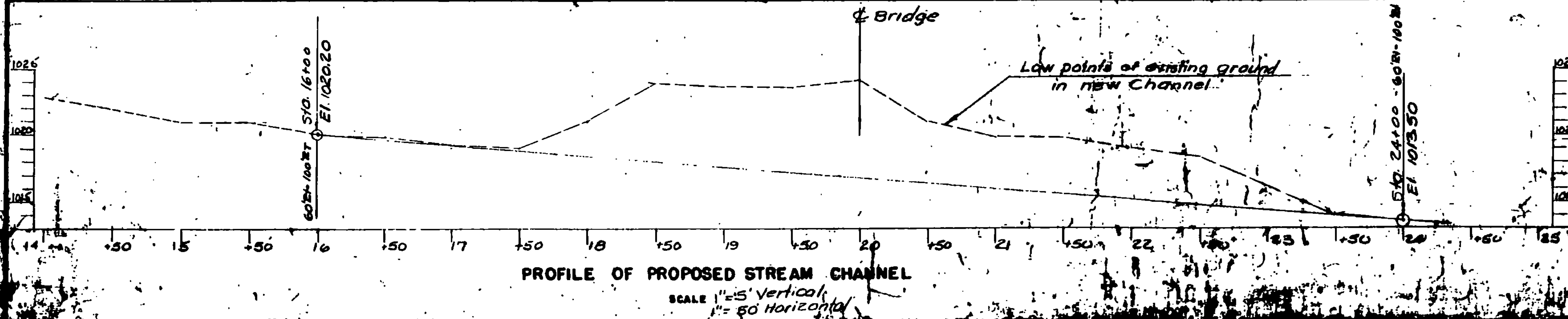
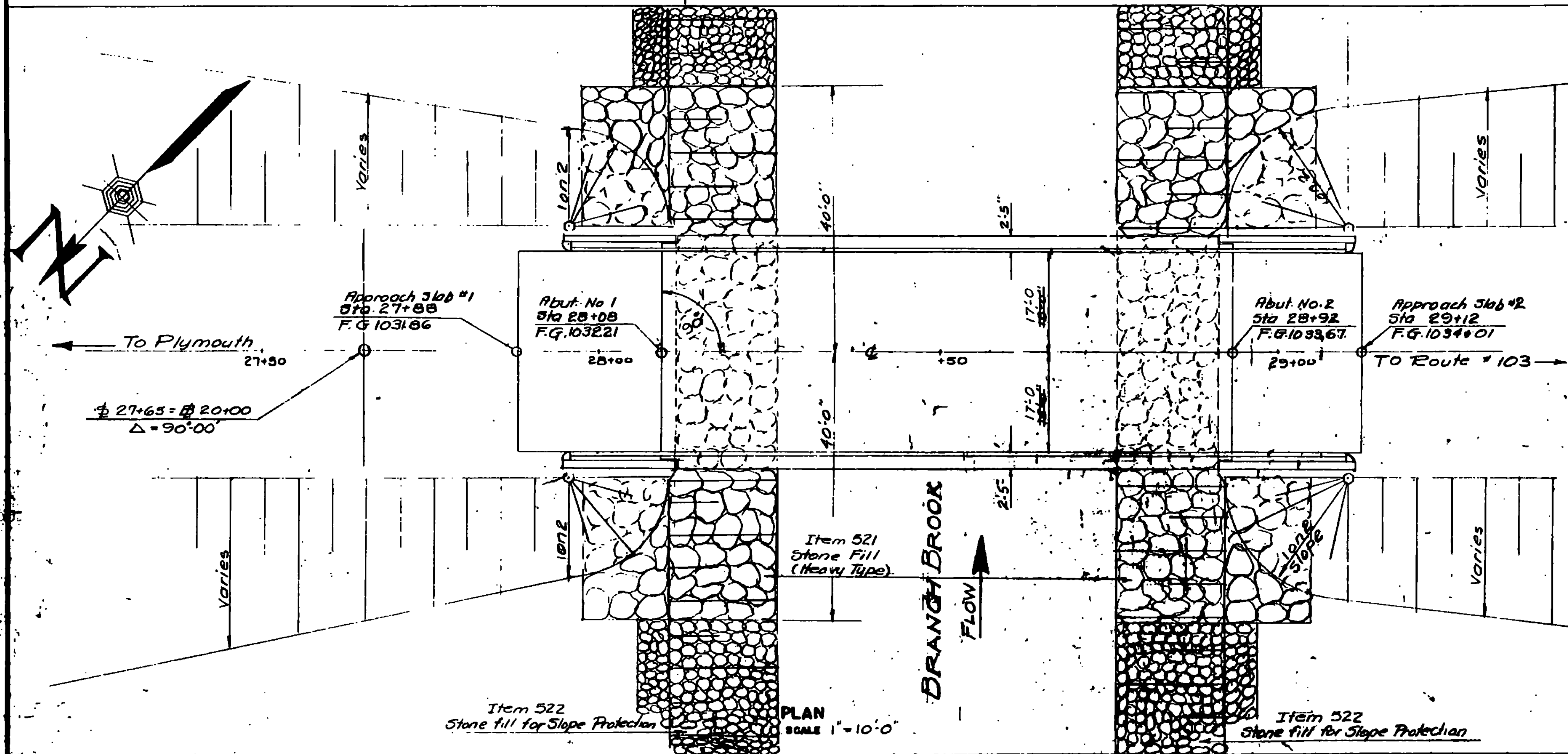
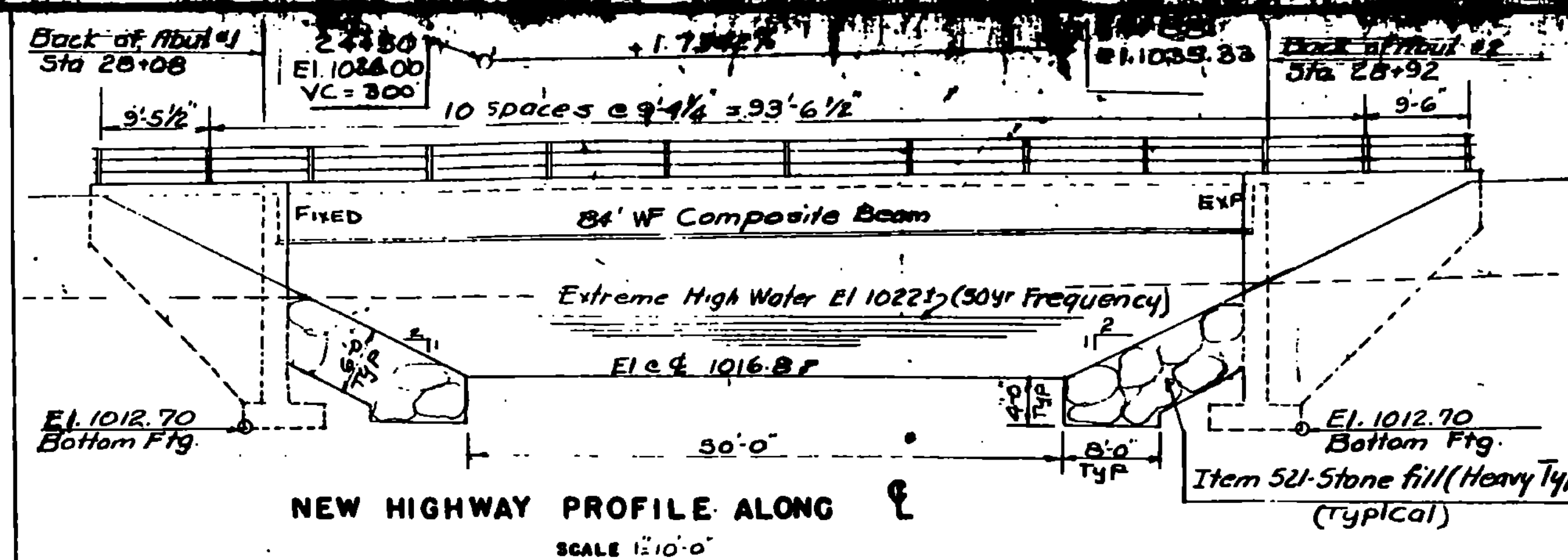
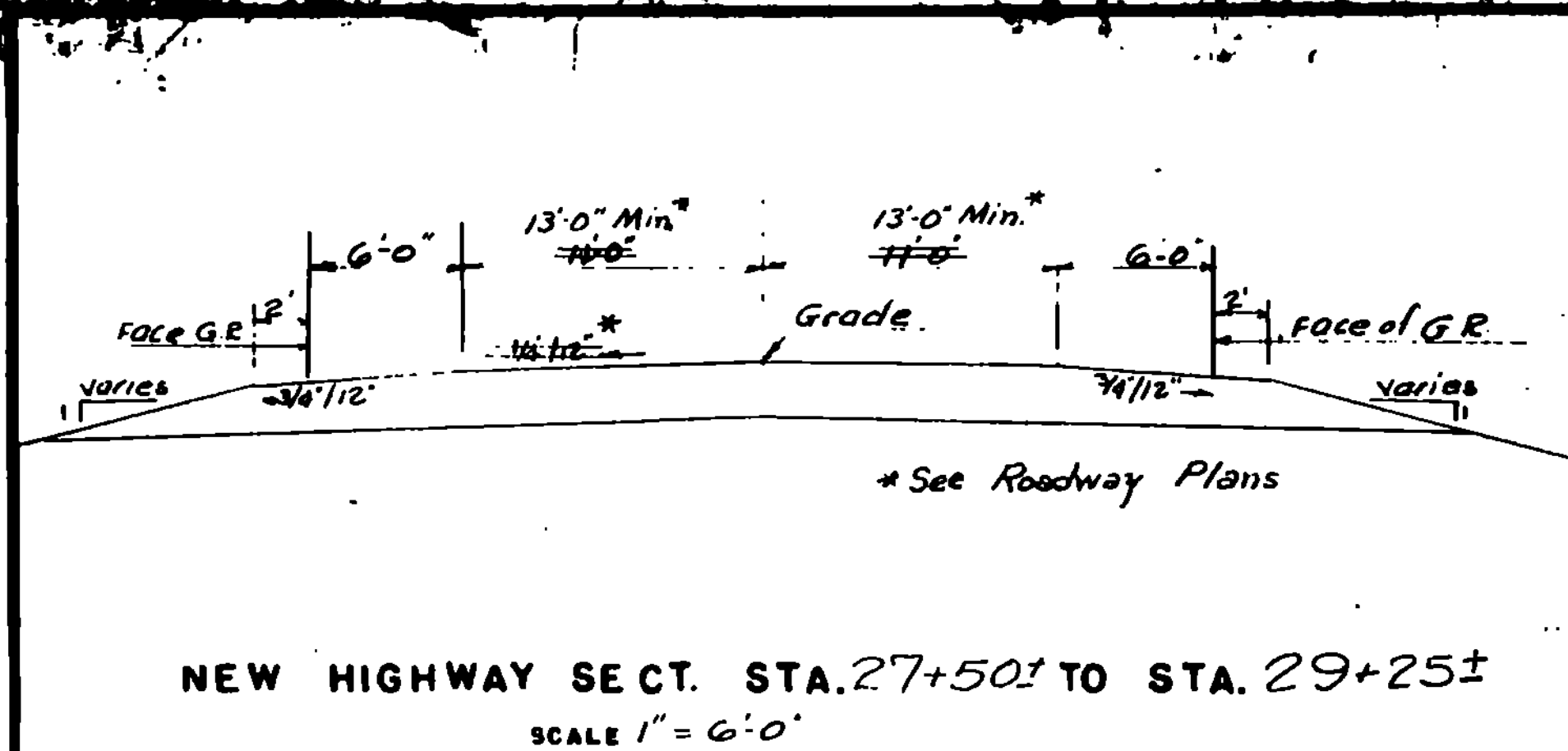
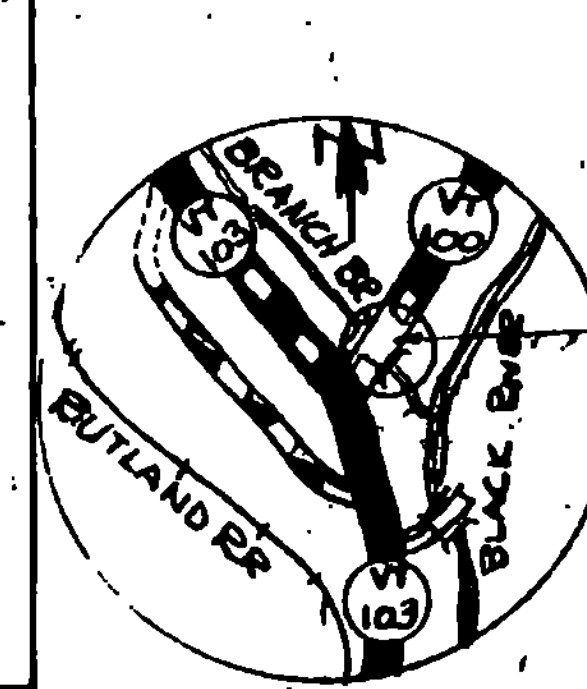




HIGHWAY NO. <u>VT 100</u> STRUCTURE NO. <u>WINDSOR</u> PROJECT NO. <u>F025-1(6)</u>	NAME OF HIGHWAY <u>WINDSOR</u> COUNTY <u>WINDSOR</u> TOWN <u>LUDLOW</u> LOCATION <u>BRANCH BROOK</u>
EXISTING STRUCTURE 1 RATED LOADING OF EXISTING STRUCTURE <u>H-15 Live Loading</u> 2 TYPE OF EXISTING STRUCTURE <u>Concrete I Beams</u> 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE <u>4.4±</u> 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE <u>Remove</u> COST OF REMOVAL <u>\$500</u> 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE <u>NO</u> 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT <u>NO</u> 7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE <u>1021.45</u> WATERWAY TO ORDINARY H.W. <u>120±</u> 8 EXTREME HIGH WATER AT EXISTING STRUCTURE <u>1022.5</u> WATERWAY TO EXTREME H.W. <u>500±</u> 9 SPAN OF EXISTING BRIDGE UPSTREAM <u>30</u> WATERWAY TO EXTREME H.W. <u>500±</u> 10 SPAN OF EXISTING BRIDGE DOWNSTREAM <u>None</u> WATERWAY TO EXTREME H.W. <u>500±</u> 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 <u>one 34' span Composite WF Beam</u> 2 RECOMMENDED CLEAR SPAN OR SPANS <u>one span, 30'</u> 3 MEASURED PARALLEL TO NEW HIGHWAY <u>30'</u> 4 MEASURED AT RIGHT ANGLES TO STREAM <u>30'</u> 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO <u>NA</u> 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE <u>1020± (3'±)</u> 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE <u>1022±</u> SOURCE OF INFORMATION <u>Computed</u> 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? <u>YES</u> 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? <u>NO</u> IS ORDINARY SIZE <u>NO</u> 10 LOW WATER ELEVATION AT NEW STRUCTURE <u>1010± (1'±)</u> 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE <u>2432</u> CHARACTER OF TERRAINE <u>Mountainous</u> 12 IS STREAM EVER DRY? <u>NO</u> 13 VELOCITY OF STREAM AT HIGH WATER STAGE <u>8.15</u> ESTIMATED DISCHARGE <u>2600 CFS</u> 14 AREA FULL OPENING <u>3000</u> AREA BELOW ORDINARY H.W. <u>175±</u> 15 CHARACTER OF SCOUR <u>DRIFT</u> 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE <u>NA</u> 17 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION <u>7.0±</u> 18 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE <u>NO</u> 19 RECOMMENDED TYPE OF PAVEMENT <u>1 1/2" Bit Conc Pavt. 4" Base 6" Sub</u> 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. <u>NA</u> ONE OR TWO WAYS <u>PROBABLE ONE</u> 21 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE <u>NA</u> 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? <u>NO</u> 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS <u>2000±</u> SHOULD PILES BE USED? <u>NO</u>	

FOUNDATION INFORMATION
 OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. SOURCES, WHEN ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.

Note - For Detail of Superstructure See BR 3 of 4



Sheet Revised <u>2-8-64</u> BR 3 OF 4 STATE OF VERMONT DEPARTMENT OF HIGHWAYS IN WET <u>MT. HADDOCK - LUDLOW</u> ROUTE NO. <u>VT 100</u> 100 ST SURVEYED BY <u>W. H. HARRIS</u> CHECKED BY <u>W. H. HARRIS</u> PROJECT NO. <u>F025-1(6)</u>	F-DECK (22)S, BR # 99 THIS SHEET FOR INFORMATION ONLY Recommended for Approval <u>W. H. Harris</u> Date <u>6/1/64</u> Recommended for Approval <u>R. H. Harris</u> Date <u>6/1/64</u> Approved by <u>A. O. Harris</u> Chief Engineer Date <u>6/1/64</u>
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