

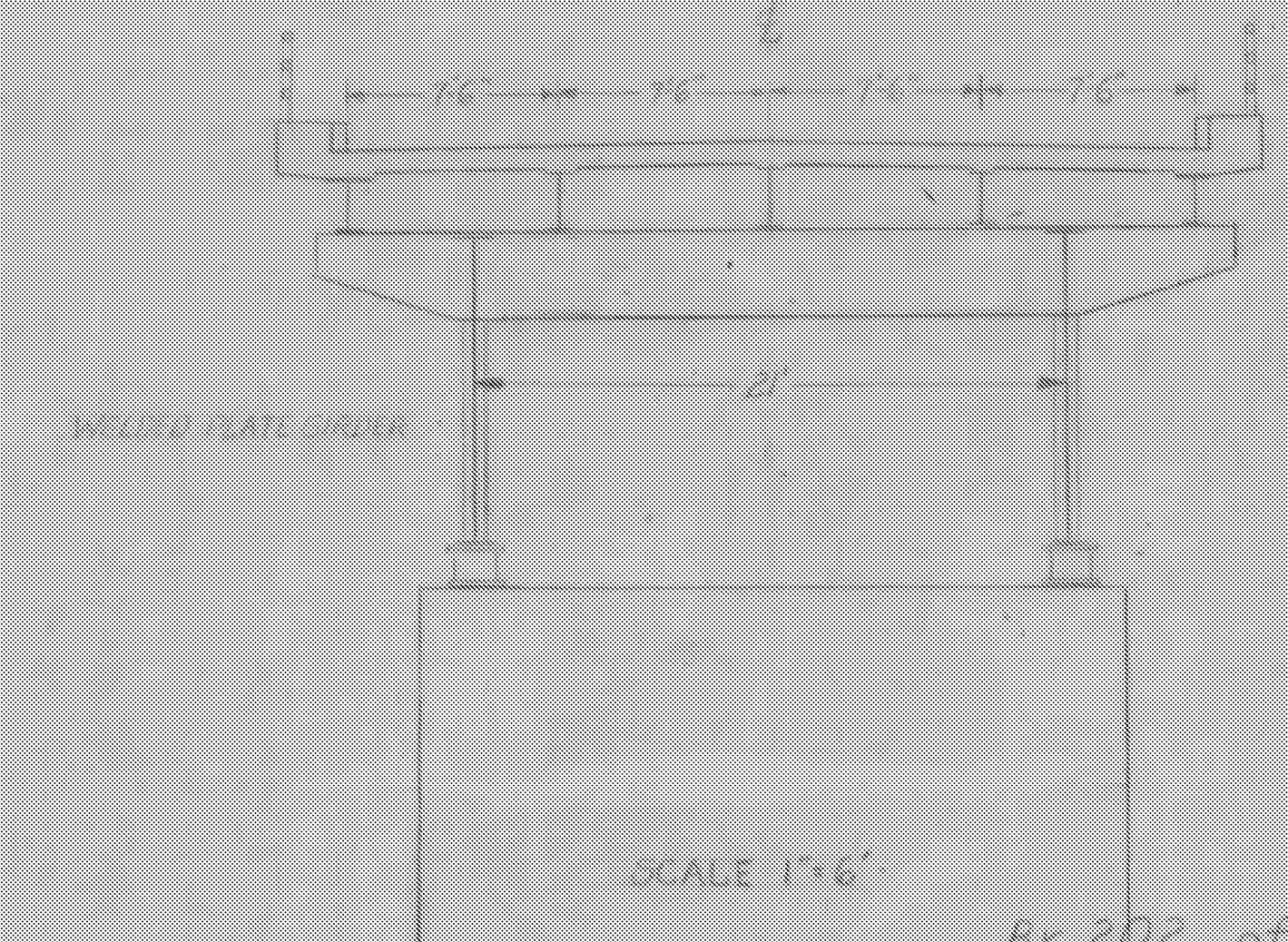
HIGHWAY NO I-91 NAME OF HIGHWAY INTERSTATE
 STRUCTURE NO _____ COUNTY WINDSOR TOWN HARTLAND
 PROJECT NO I-91-1(22)94 LOCATION INTERSTATE OVER THE OTTAUQUECHEE RIVER

- 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 _____
 - 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 CONTINUOUS WELDED PLATE GIRDER
 - 2 RECOMMENDED CLEAR SPAN OR SPANS 155' 155'
 - 3 MEASURED PARALLEL TO NEW HIGHWAY N/A
 - 4 MEASURED AT RIGHT ANGLES TO STREAM 155'
 - 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO NO
 - 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE 354' (FLOW FROM FLOOD CONTROL DAM OF 6000 CFS)
 - 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE 357' SOURCE OF INFORMATION FLOW FROM DAM OF 1200 CFS
 - 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? YES
 - 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NO IS ORDINARY RISE RAPID? NO
 - 10 LOW WATER ELEVATION AT NEW STRUCTURE 350' (GOVERNED BY TWO DAMS JUST BELOW SITE)
 - 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE 222.5 CHARACTER OF TERRAINE HILLY
 - 12 IS STREAM EVER DRY? NO
 - 13 VELOCITY OF STREAM AT HIGH WATER STAGE 2.9 f/sec ESTIMATED DISCHARGE 6,000 G.P.S.
 - 14 AREA FULL OPENING 7,100 SF AREA BELOW ORDINARY H.W. 2,060 SF
 - 15 CHARACTER OF SCOUR NONE DRIFT SLIGHT ICE YES
 - 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE 221 SQ. MILES
 - 17 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION 17 FEET
 - 18 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE NO BOTH SIDES _____
 - 19 RECOMMENDED TYPE OF PAVEMENT BITUMINOUS CONC ON 7" REIN. CONCRETE SLAB
 - 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. N/A ONE OR TWO WAYS NA PROBABLE COST NA
 - 21 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE NONE
 - 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO
 - 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 45 TONS SHOULD PILES BE USED? Yes EST. LGTH. 55'-80'

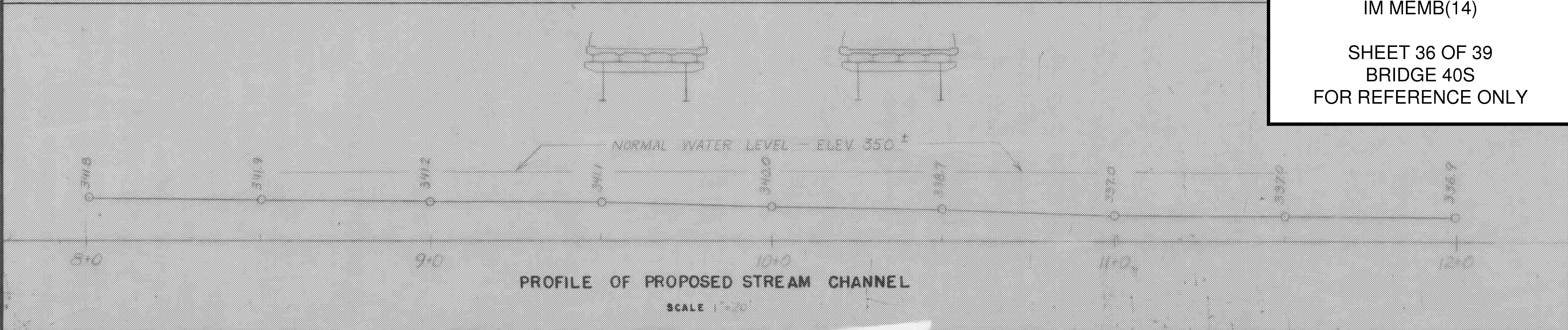
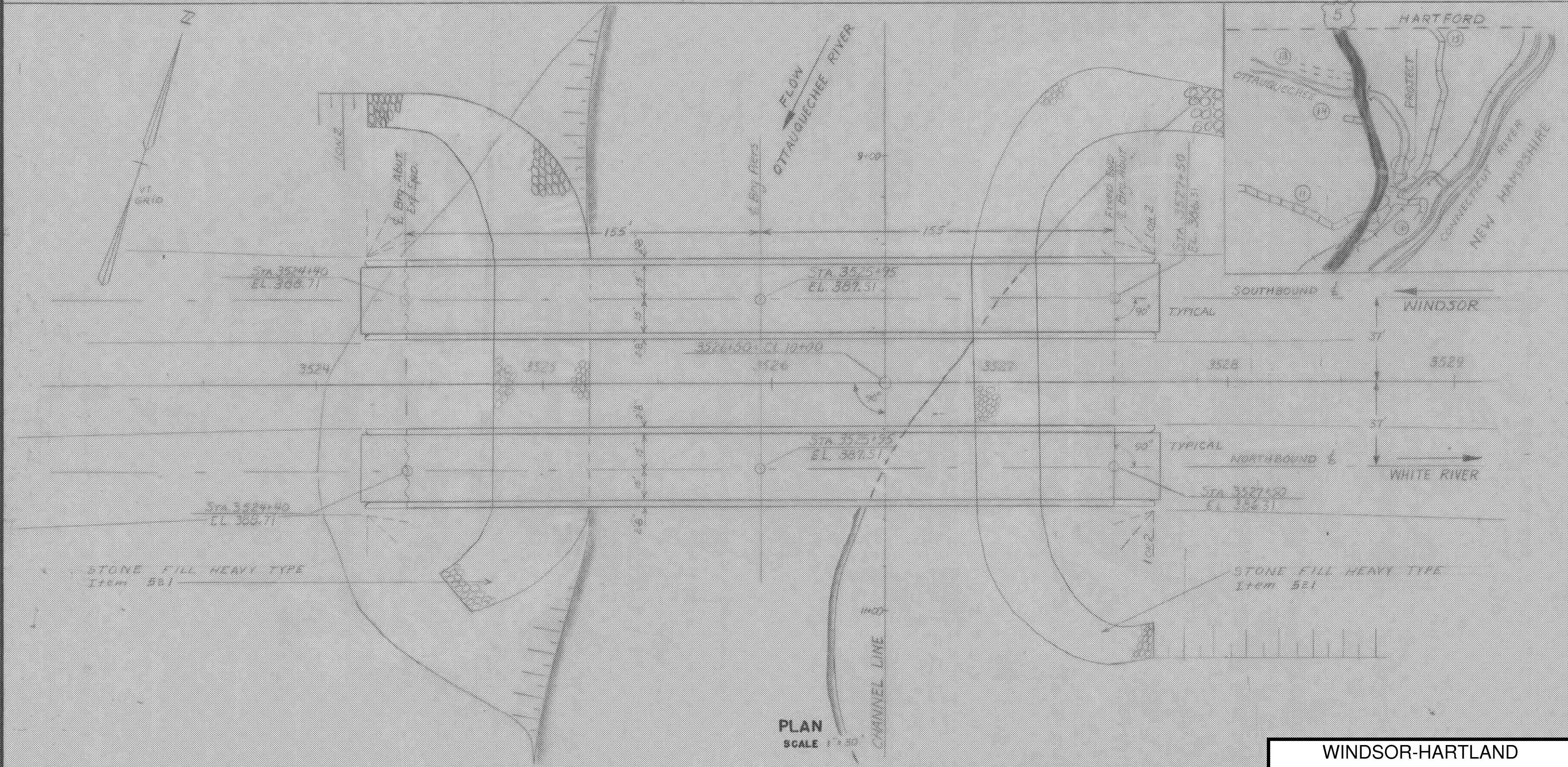
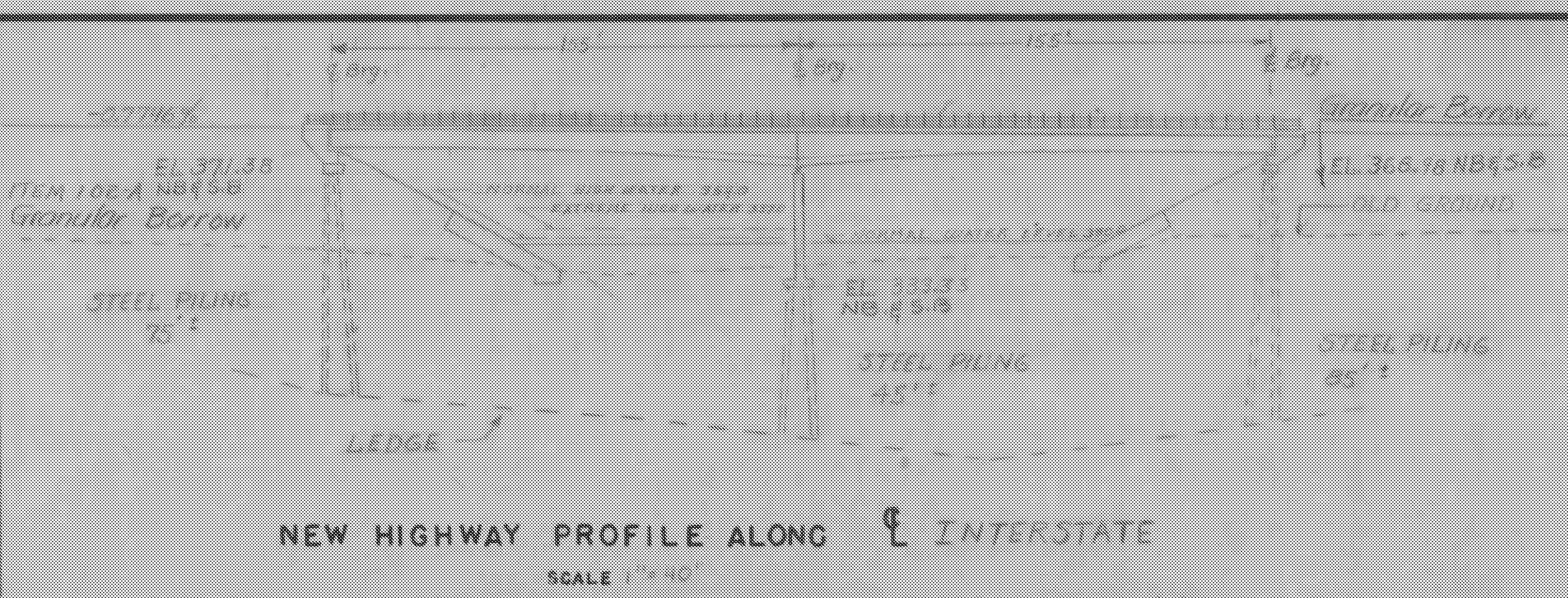
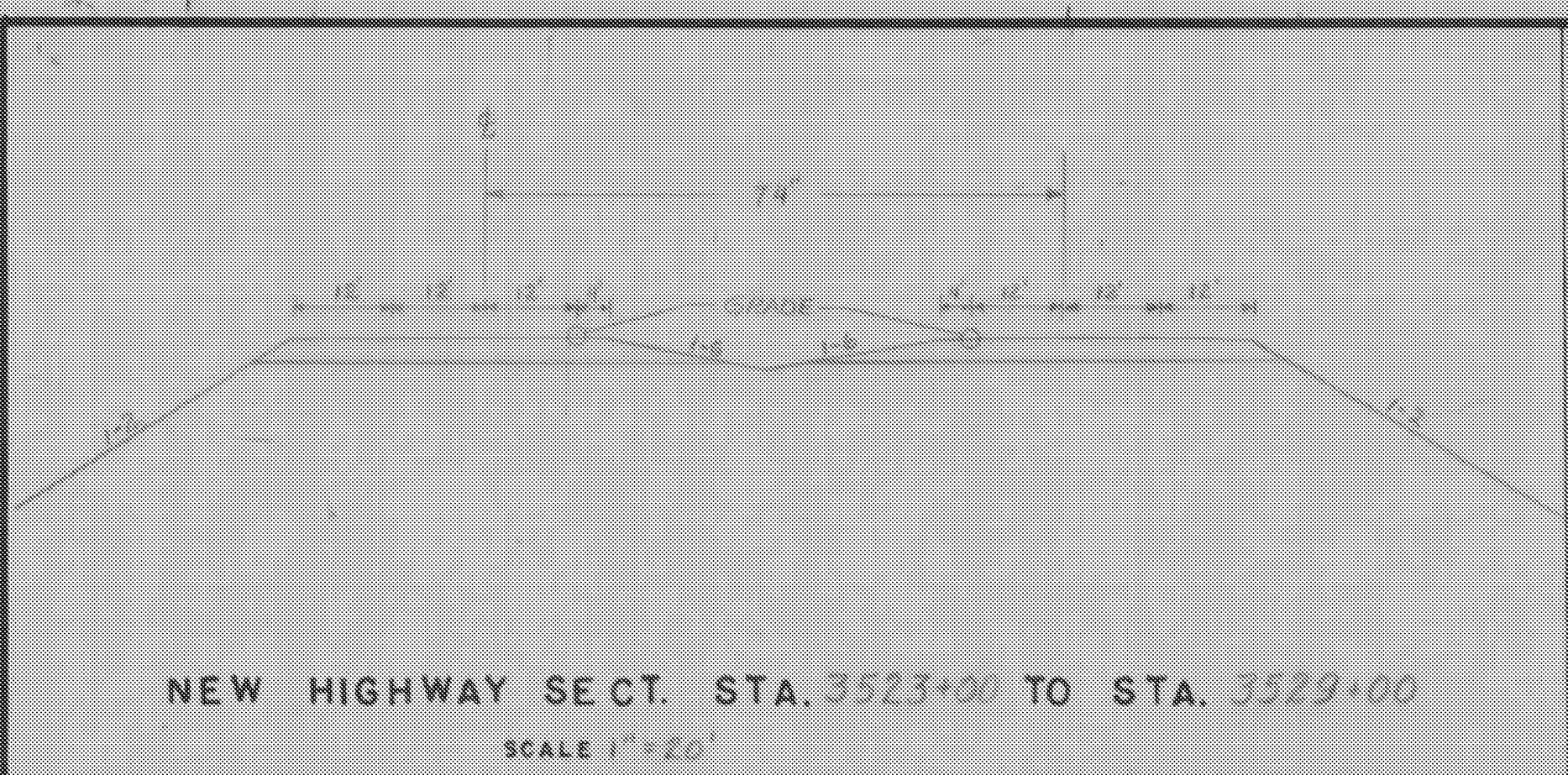
FOUNDATION INFORMATION

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.



FOR BORINGS SEE SHEET NO _____
 Recommended for approval David J. ... 8/2/63
 Recommended for approval ... 8/2/63
 Approved by A.D. ... 8/7/63
 Chief Engineer Date

Br 202 of 222
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 IN THE TOWNS OF
HARTLAND
 ROUTE NO I-91 LOG STA 3525+95
 SURVEYED BY ... CHECKED BY ... SCALE 1"=40'
 DRAWN BY ... IN CHARGE ... DATE ...
 PROJECT NO I-91-1(22)94 SHEET 33 OF 103
 CONT #4



WINDSOR-HARTLAND
 IM MEMB(14)
 SHEET 36 OF 39
 BRIDGE 40S
 FOR REFERENCE ONLY