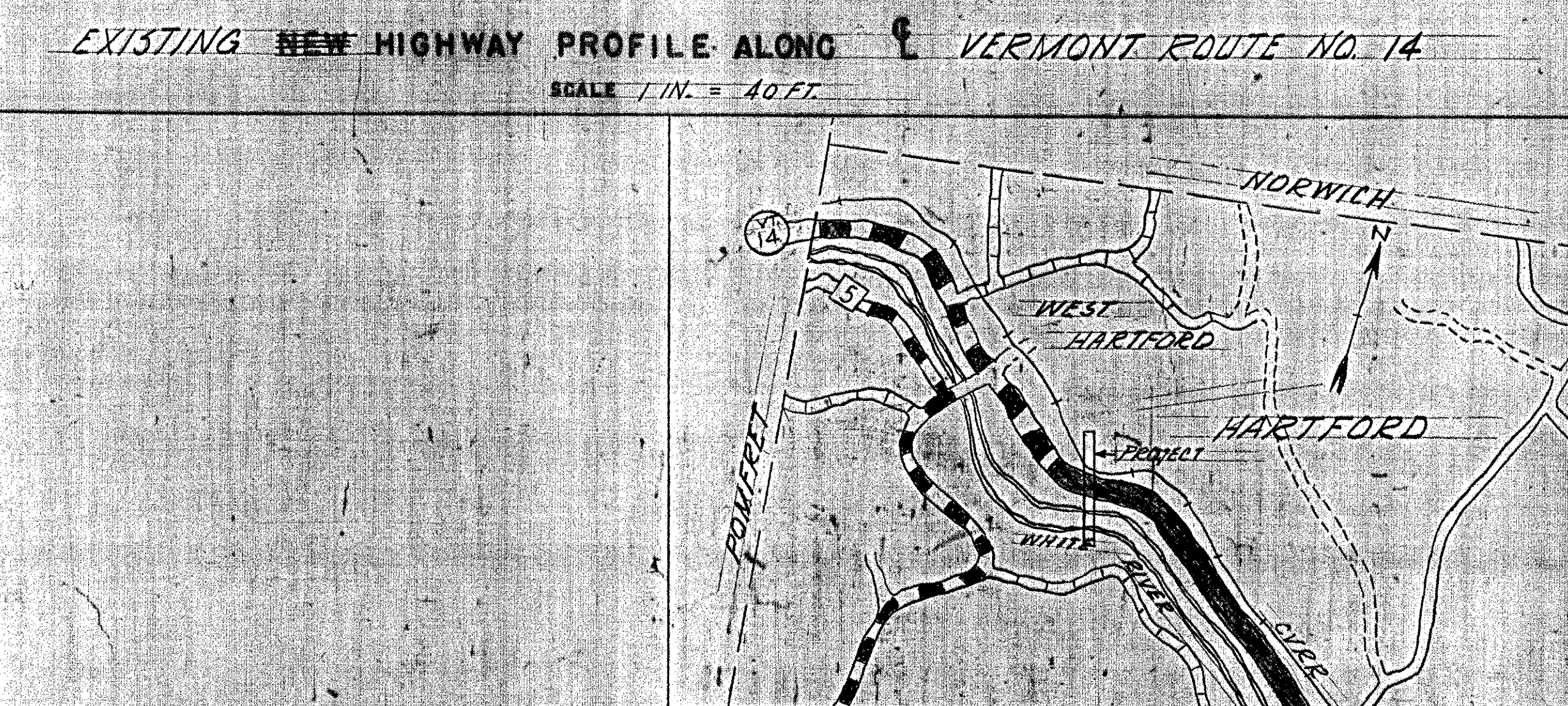
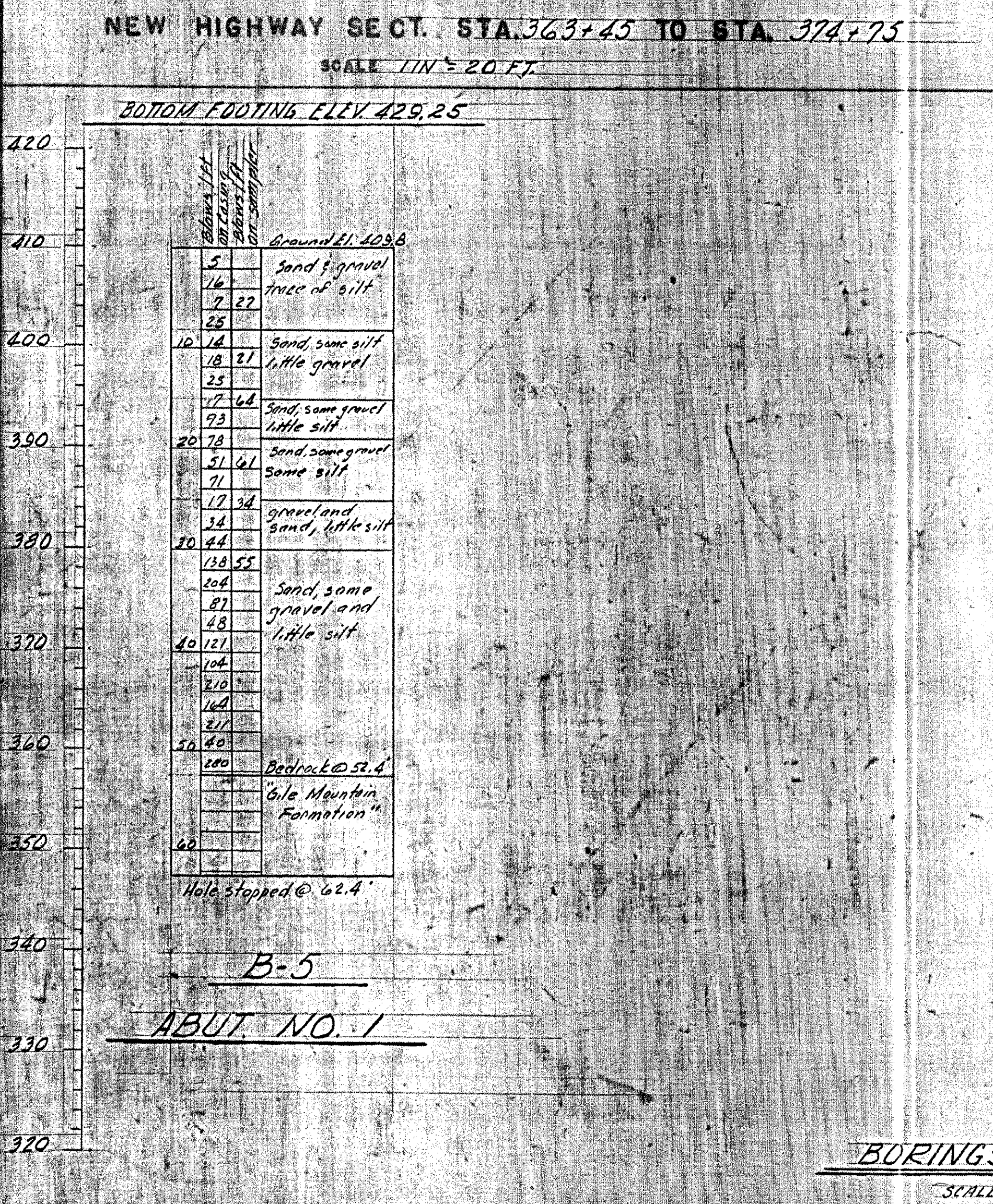


HIGHWAY NO. I-89 NAME OF HIGHWAY INTERSTATE
 COUNTY WINDSOR TOWN HARTFORD
 PROJECT NO. I-89-116 LOCATION HARTFORD

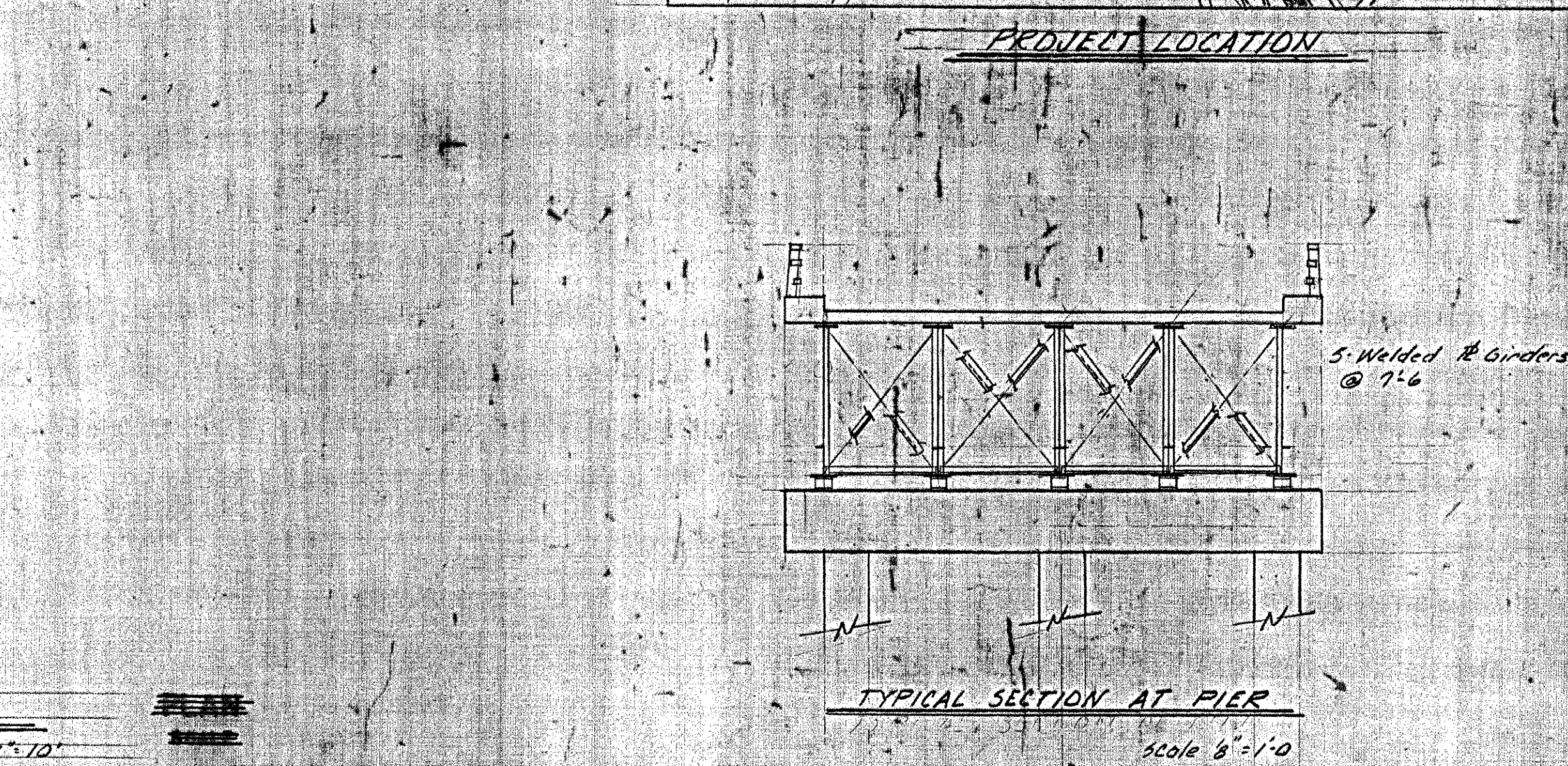
EXISTING STRUCTURE

1 RATED LOADS OF EXISTING STRUCTURE _____
 2 TYPE OF EXISTING STRUCTURE _____
 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE _____
 4 WHAT DIMENSION 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 ANY 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 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS _____
 11 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE _____
 12 IF NOT, WHAT ELEVATION IS RELIEF AFFORDED _____
 13 ADDITIONAL WATERWAY AREA PROVIDED _____



NEW STRUCTURE

1 RECOMMENDED TYPE OF STRUCTURE SIX SPAN CONTINUOUS R GIRDER (FIVE GIRDERS 508-30-62 MOD)
 2 RECOMMENDED CLEAR SPAN OR SPANS 150'-175'-200'-200'-175'-150'
 3 MEASURED PARALLEL TO NEW HIGHWAY 1050 FT.
 4 MEASURED AT RIGHT ANGLES TO STREAM 742.5 FT.
 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO NO
 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE 382.0
 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE 398.5 SOURCE OF INFORMATION 1922 Flood Data
 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? YES
 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER RAPIDLY? NO IS ORDINARY FLOW RAPID? NO
 10 LOW WATER ELEVATION AT NEW STRUCTURE 371.5
 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE 482,000 CHARACTER OF TERRAIN MOUNTAINOUS
 12 IS STREAM EVER DRY? NO
 13 VELOCITY OF STREAM AT HIGH WATER STAGE 12.2 FT/SEC ESTIMATED DISCHARGE 120,000 CFS. (1922)
 14 AREA FULL OPENING SLIGHT AREA BELOW ORDINARY H.W. SOME
 15 CHARACTER OF SOUP SLIGHT DRIFT SOME ICE YES
 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE _____
 17 MINIMUM CLEARANCE ABOVE FLOOD ELEVATION 35 FT.
 18 ARE ARCHES REQUIRED, IF SO ON THAT SIDE NO
 19 ESTIMATED TYPE OF PAVEMENT REINFORCED CONCRETE - BITUMINOUS SURFACE (1 1/2")
 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. _____ ONE OR TWO WAYS _____ PROBABLE COST _____
 21 PROBABLY SORT OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE
 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO
 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 5 TONS/FT. SHOULD PILES BE USED? YES PILE LENGTH 75 FT.
 Estimated allowable load on piles 45 tons/pile



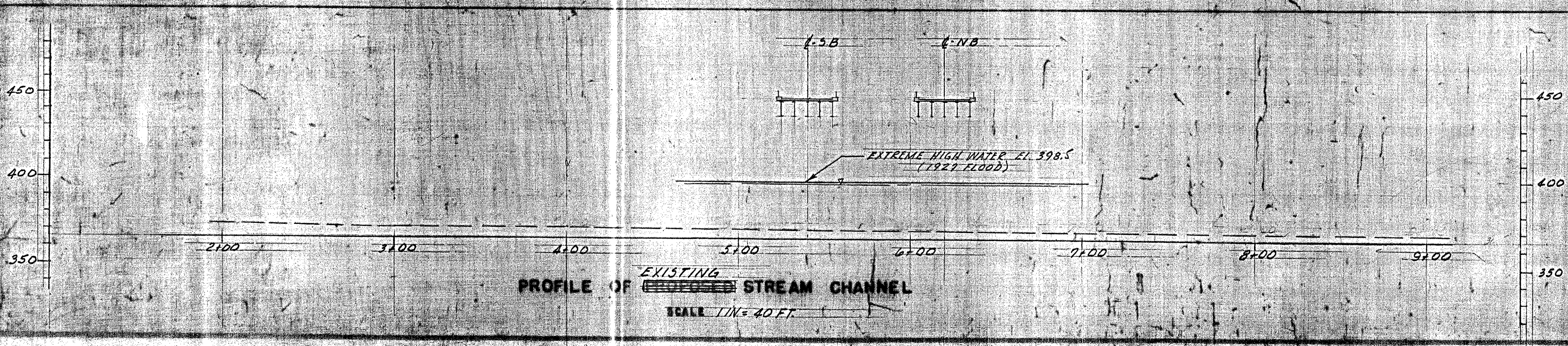
FOUNDATION INFORMATION

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

BORING EQUIPMENT INFORMATION

CASING:
 OUTSIDE DIAMETER _____ 3"
 INSIDE DIAMETER _____ 2 1/4"
 WGT OF HAMMER _____ 350 LBS.
 FALL OF HAMMER _____ 24"

SPOON SAMPLER
 OUTSIDE DIAMETER _____ 2"
 INSIDE DIAMETER _____ 1 3/8"
 WGT OF HAMMER _____ 140 LBS.
 FALL OF HAMMER _____ 30"



IR 089-1(13)
 This sheet for information only
BR 11 N & S

BR 103 OF 128

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

INTERSTATE IN THE TOWN OF **HARTFORD**

ROUTE NO. **I-89** LOG STA. _____
FBS OVER VT. 14 WHITE RIVER AND CVRR

Recommended For approval AmB Poir 2/19/64
 Bridge Engineer

Recommended For approval RN Currier 2/21/64
 Asst. Chief Engineer

Approved by A.S. Schief 2/20/64
 Chief Engineer

SURVEYED BY RLO CHECKED BY RSH SCALE As shown
 DRAWN BY RLO IN CHARGE RSH DATE 2/20/64

PROJECT NO. I-89-116 SHEET 11 OF 53

SHEET 53 OF 101