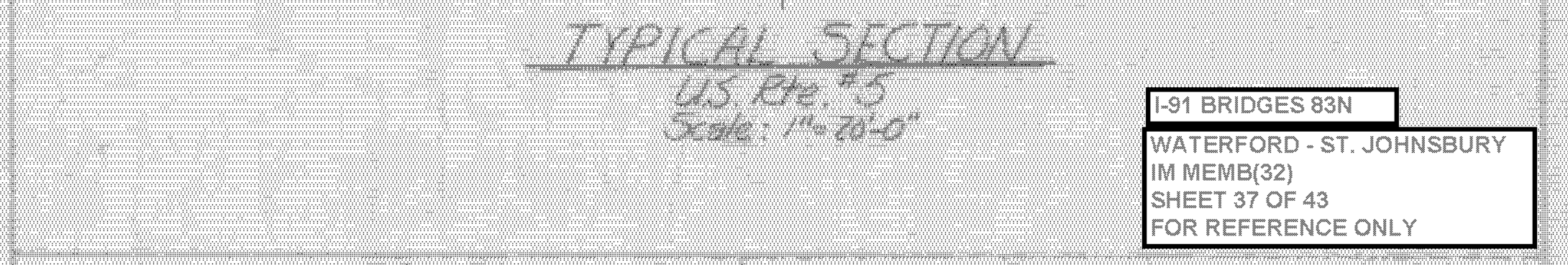
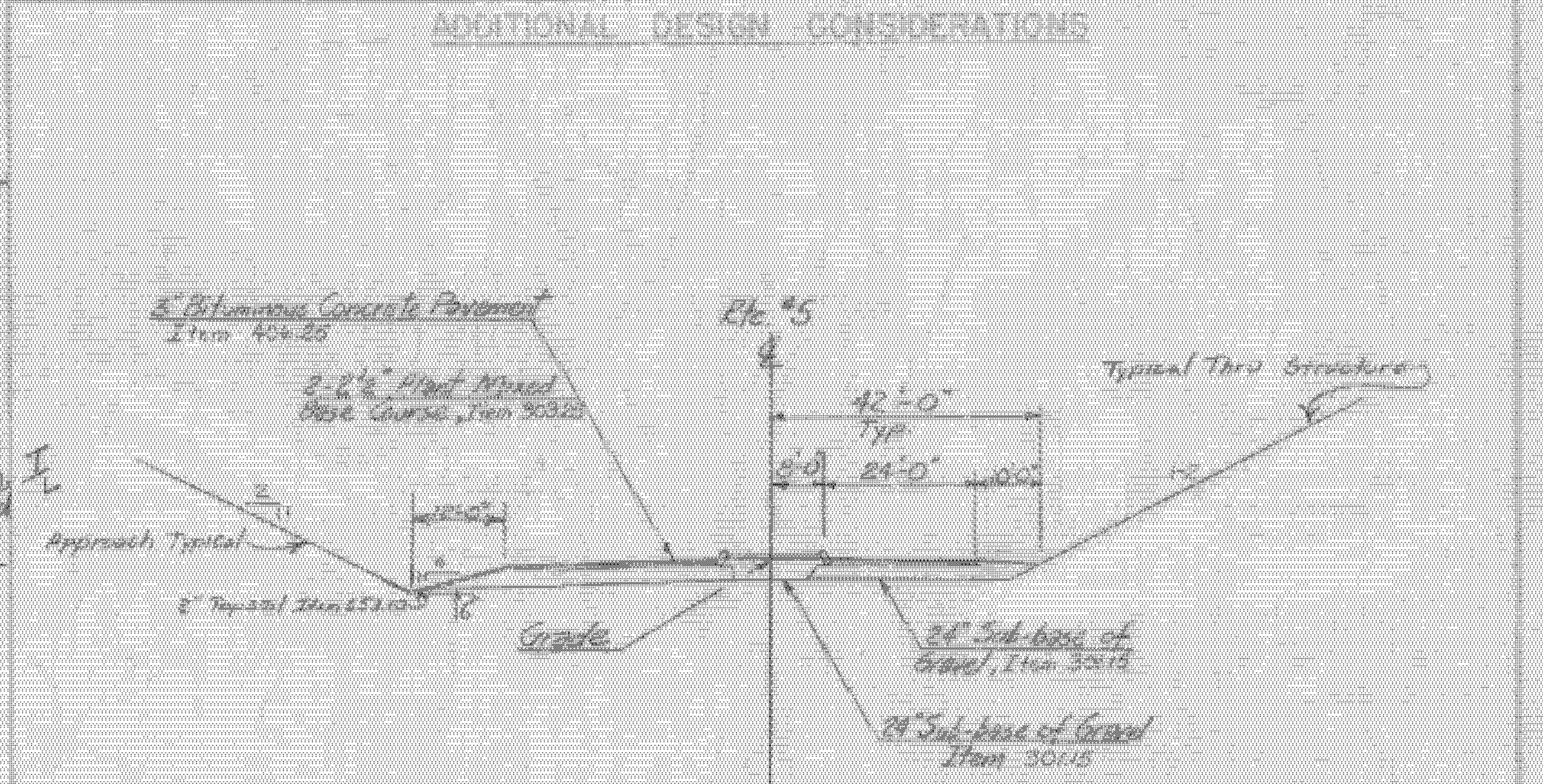


EXISTING STRUCTURE			
1. EXISTING STRUCTURE	NONE		
2. TYPE OF EXISTING STRUCTURE			
3. UNDERCLEARANCE ELEVATION			
4. WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE			
5. SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN EXISTING UNDERCLEARANCE OF NEW STRUCTURE			
6. PROPOSED HIGH WATER SURFACE ELEVATION AT EXISTING STRUCTURE			
7. FLOOD OF PROPOSED WATER SURFACE ELEVATION AT NEW STRUCTURE			
8. DIM OF EXISTING STRUCTURE			
9. TYPE OF EXISTING UNDER SUBSTRUCTURE			
10. DOES EXISTING STRUCTURE ALLOW FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE			
11. ADDITIONAL WATERWAY AREA PROVIDED BY RELIEF			
12. RECOMMENDED TYPE OF STRUCTURE	Two Span Continuous Composite Plate Girder (A588 Steel)		
13. RECOMMENDED OVERALL STRUCTURE LENGTH	NB 216'-4 1/2" SB 216'-2 1/2"		
14. CLEAR SPAN LENGTHS NORMAL TO U.S. #5	NB 3 SB 198'-0"		
15. SPAN LAYOUTS SERIES TO CENTER OF GRAVITY	NB 3 SB 98'-0" / 112'-0"		
16. ARE THERE OBSTRUCTIONS TO A PIER IN THE STREAM	YES		
17. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION	IS OASHTYP AND BRIDG		
18. NATURE OF NATURAL STREAMBED			
19. EST. SCOUR DEPTH	COMMENT OR NOTE		
20. DRAINAGE AREA IN ACRES	CHARACTER OF TERRAIN		
21. VELOCITY OF STREAM AT DESIGN STAGE	DESIGN FLOW		
22. IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE	AREA FILL OPENING		
23. ORDINARY HIGH WATER SURFACE ELEVATION AT NEW STRUCTURE			
24. DESIGN HIGH WATER SURFACE ELEVATION AT NEW STRUCTURE			
25. VERTICAL CLEARANCE ABOVE STREAM			
26. UNDER CLEARANCE - I.E. DESIGN OVERHEAD			
27. ALLOWABLE WATER SURFACE ELEVATION			
28. IS DESIGN STAGE AFFECTED BY DOWNSTREAM CONDITIONS			
29. ARE SIDEWALKS REQUIRED			
30. TRAFFIC TO BE MAINTAINED UNDER ITEN NO.			
31. ESTIMATED ALLOWABLE LOAD FOR SPREAD FOOTING			
32. FILING DESIGN LOAD			
33. DESIGN SPECIFICATIONS			
DESIGN LOAD	ALLOWABLE STRESSES	REINFORCING STEEL	CONCRETE CLASS #
4.0 KIP	21,000 psi	20,000 psi	10,000 psi
	COMPRESSION 21,000 psi	COMPRESSION 20,000 psi	7,000 psi



RECOMMENDED FOR APPROVAL	K.M. Smith	1/20/74
RECOMMENDED FOR APPROVAL	R.O. Munn	1/28/74
APPROVED BY	C.H. O'Leary	1/28/74
REVISIONS	BY & DATE	
NO.	DESCRIPTION	

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF St. Johnsbury

PROJECT NO. 791

791 NB & SB over U.S. Rte #5 (Reloc.)

Preliminary Information

Drawn by Granier

Checked by A. Ladd

Approved by R. Gendron

DATE 1-11-78

PROJECT NO. 791

DATE 1-28-74

178 500

-91 BRIDGES 83N
WATERFORD - ST. JOHNSBURY
IM MEMB(32)
SHEET 37 OF 43
FOR REFERENCE ONLY