

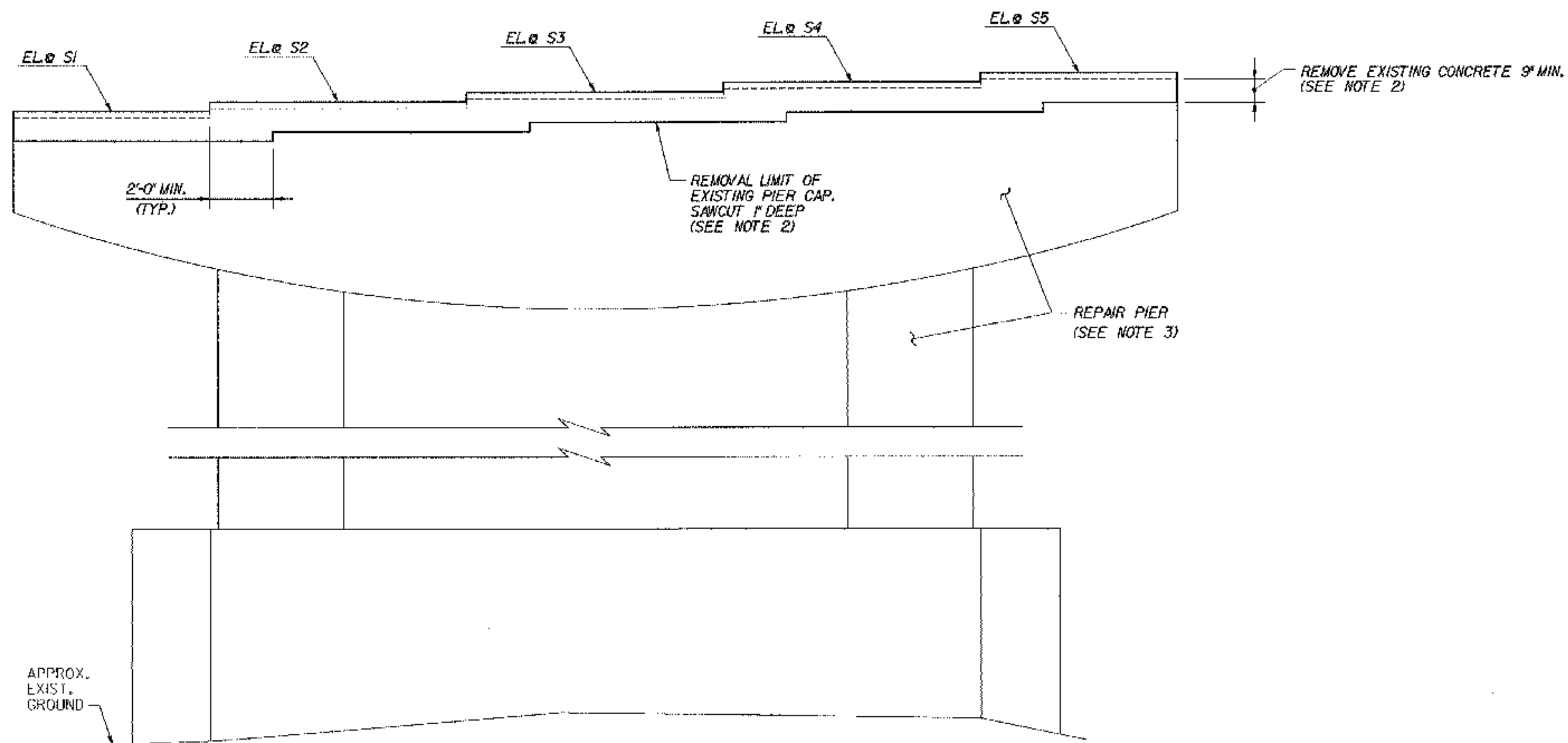
**TYPICAL PIER CAP PLAN**  
SCALE: 3/8" = 1'-0"

RAISED BM SEAT ELEVATIONS 4" SO AS TO GET PROPER CLR. FOR REINFORCING STEEL

BRIDGE	PIER	STA.	ASKEW ANGLE	DIM. "A"	CL BEARING DIRECTION	BEARING SEAT ELEVATIONS AT CL BRG. (SEE NOTE 1)				
						S1	S2	S3	S4	S5
48N	1	5+08.26	65°16'48.3"	8'-3 1/16"	N 43°04'06.4" E	444.83	445.12	445.42	445.72	446.01
	2	6+05.35	63°58'13.7"	8'-4 3/16"	N 43°04'06.4" E	445.36	445.66	445.96	446.25	446.55
48S	1	5+33.37	66°00'44.7"	8'-3 5/16"	N 42°52'44.4" E	445.01	445.31	445.61	445.90	446.20
	2	6+32.79	63°40'31.2"	8'-4 7/16"	N 42°52'44.4" E	445.54	445.85	446.13	446.42	446.72

RAISED PIER CAP GRADES 0.17 FT.

48S RAISED BM SEAT ELEVATIONS 2" SO AS TO GET PROPER CLEARANCE FOR REINFORCING STEEL.



**TYPICAL PIER ELEVATION**  
SCALE: 3/8" = 1'-0"

**NOTES:**

1. AS REQUIRED BY THE BEARING DESIGN, THE NEW BEARING SEATS SHALL BE SLOPED TO MATCH THE  $\phi$  CONST. GRADE.
2. ALL EXISTING REINFORCEMENT IN THE PIER CAP TO REMAIN. REMOVAL LIMITS SHALL EXTEND 3" MINIMUM BELOW EXISTING LONGITUDINAL REINFORCEMENT.
3. REPAIR ALL EXISTING SPALLED AND DELAMINATED AREAS ON PIER. SEE EXISTING SUBSTRUCTURE CONDITION, BRIDGE SHEETS SC-5 THROUGH SC-10 FOR APPROXIMATE CONDITION OF EXISTING SUBSTRUCTURES. FOR CONCRETE REPAIR DETAILS, SEE SUBSTRUCTURE REPAIR DETAILS AND NOTES, BRIDGE SHEET C-45.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	MIDDLESEX-BOLTON	Bridge No.	48N&S
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 OVER LITTLE RIVER			
<b>PIER CAP MASONRY (48N&amp;S)</b>			
Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	J.P. HALSTEAD	Date	10/99
		Bridge Design Supervisor	J.P. HALSTEAD Date 10/99
PROJECT	MIDDLESEX-BOLTON	PROJECT NO.	IM-089-2(26)
		TVGA CAD Drawing No.	48piermas Date 10/99
		Bridge Sheet No.	BR48-13 Sheet 73 of 307