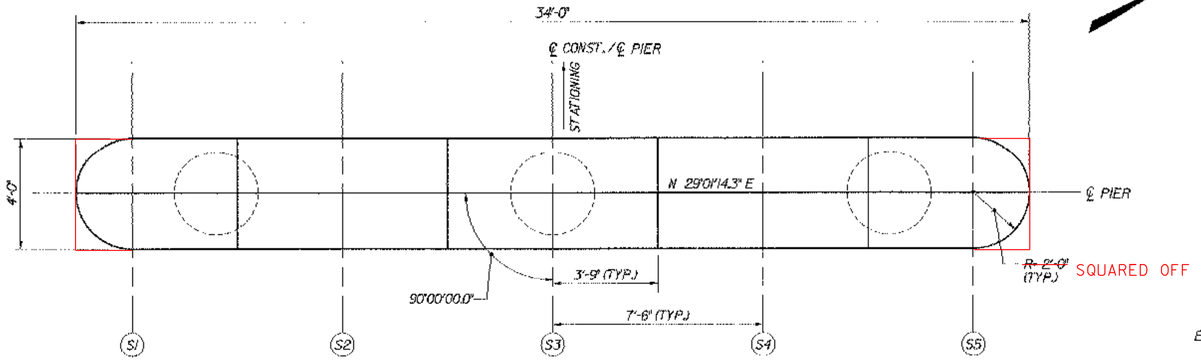
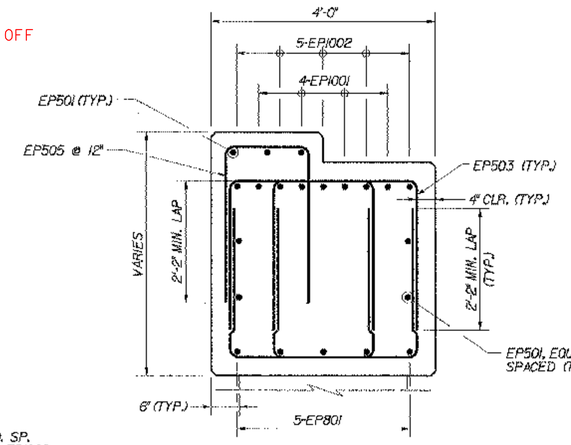


TYPICAL RADIAL PIER CAP PLAN

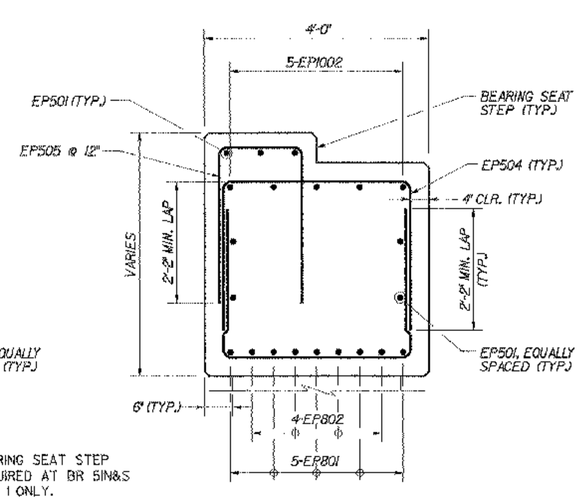
SCALE: 3/8"=1'-0"

BRIDGE	PIER	CL BRG. STATION	SIDE	PIER SEAT ELEVATIONS S1	S2	S3	S4	S5	BOTTOM OF PIER CAP ELEVATION C1
51N	1	3+58.56	SPAN 1	360.63	360.79	360.95	361.11	361.26	356.32
		3+60.56	SPAN 2	360.24	360.39	360.55	360.71	360.87	
51S	1	3+58.68	SPAN 1	360.38	360.53	360.69	360.85	361.01	356.45
		3+60.68	SPAN 2	359.99	360.15	360.30	360.46	360.62	
	2	4+48.57	-	361.12	361.28	361.44	361.59	361.75	357.87



SECTION A-A

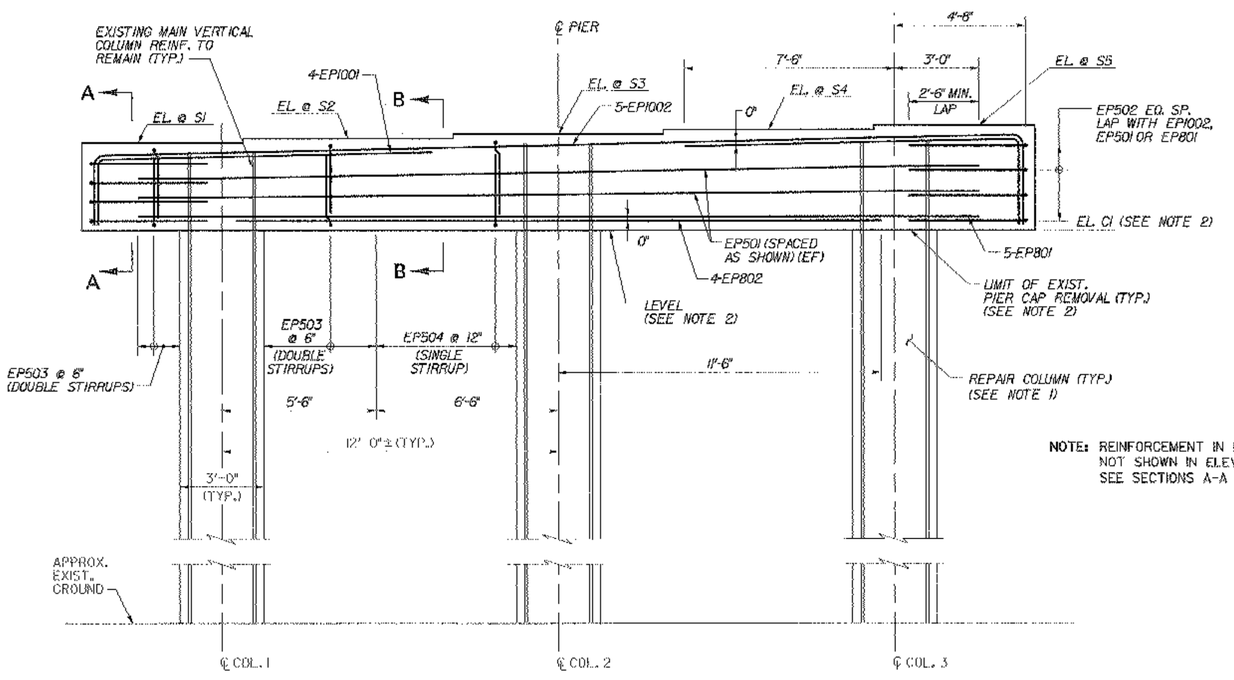
SCALE: 3/4"=1'-0"



NOTE: BEARING SEAT STEP REQUIRED AT BR 51N&S PIER 1 ONLY.

SECTION B-B

SCALE: 3/4"=1'-0"



(REINFORCEMENT SYMMETRICAL ABOUT ℄ PIER)

TYPICAL RADIAL PIER ELEVATION

SCALE: 3/8"=1'-0"

NOTE: REINFORCEMENT IN BEARING SEAT STEP NOT SHOWN IN ELEVATION FOR CLARITY. SEE SECTIONS A-A AND B-B FOR DETAILS.

NOTES:

1. REPAIR EXISTING SPALLED AND DELAMINATED AREAS AND APPLY FIBER-REINFORCED POLYMER WRAP, IN ACCORDANCE WITH THE DETAILS SHOWN ON SUBSTRUCTURE REPAIR DETAILS AND NOTES, BRIDGE SHEET C-45. FOR APPROXIMATE CONDITION OF EXISTING PIERS, SEE EXISTING SUBSTRUCTURE CONDITION, BRIDGE SHEETS SC-17 THROUGH SC-23.
2. BOTTOM OF PIER CAP ELEVATIONS SHOWN ARE APPROXIMATE, BASED ON MATCHING THE EXISTING TOP OF COLUMN ELEVATIONS. HOWEVER, SOME MINOR REMOVAL OF EXISTING COLUMN CONCRETE MAY BE REQUIRED TO ACHIEVE LEVEL PIER CAP. LIMIT OF REMOVAL TO BE SAWCUT AS ORDERED BY THE ENGINEER. COSTS TO BE INCIDENTAL TO ITEM 528.20, "PARTIAL REMOVAL OF STRUCTURE (AT SIXX)"

KEY

NF	NEAR FACE
FF	FAR FACE
EF	EACH FACE
▲	REINFORCEMENT TO BE CUT TO FIT IN THE FIELD

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BOLTON	Bridge No. 51N&S
Highway No. I-89	Log Sta. / Surv. Sta.

I-89 OVER U.S. ROUTE 2 AND JOINER BROOK

PIER CAP MASONRY AND REINF. (RADIAL)

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 BOLTON	PROJECT NO. IM-089-2(29)
TVGA CAD Drawing No. 51pmas	Date 10/99
Bridge Sheet No. BR51-22	Sheet 120 of 307

TVGA ENGINEERING, SURVEYING, P.C.