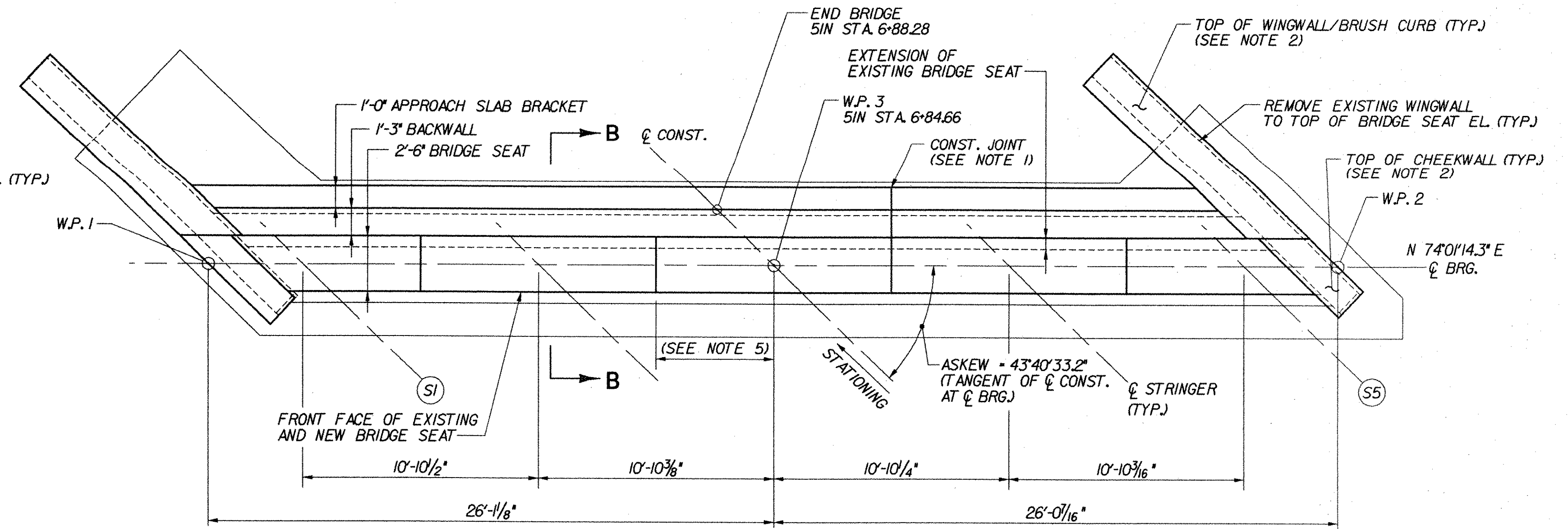


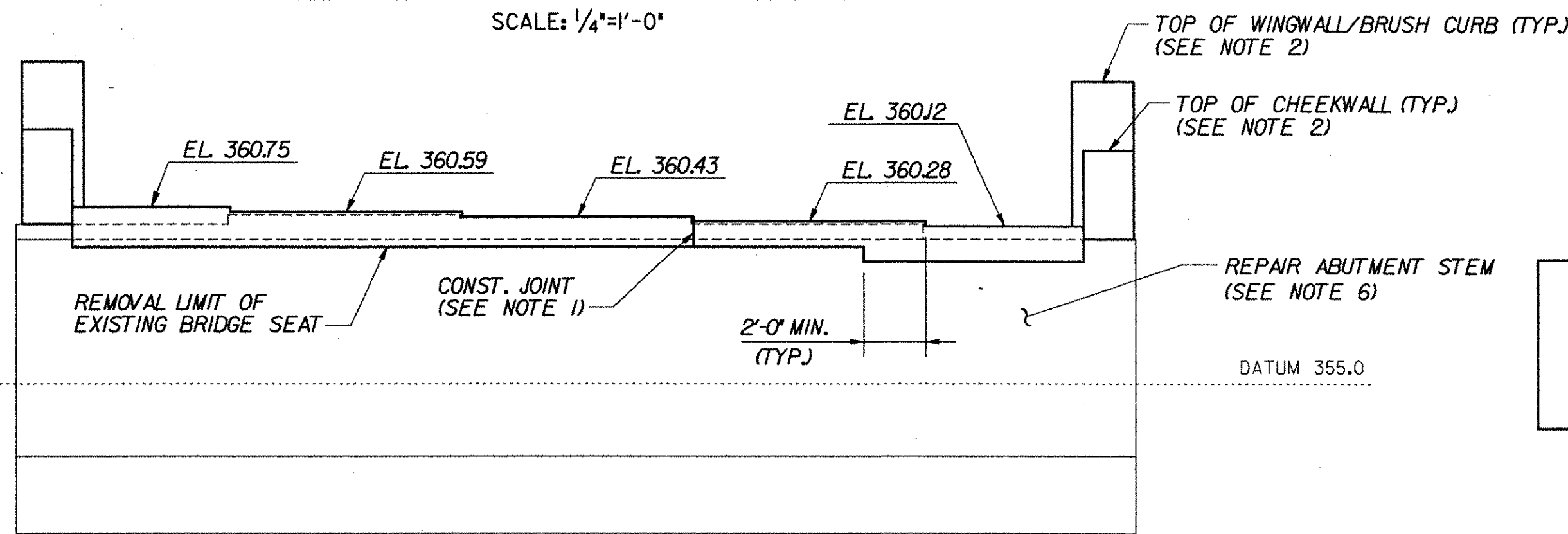
ABUTMENT 1 PLAN (FIXED)

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



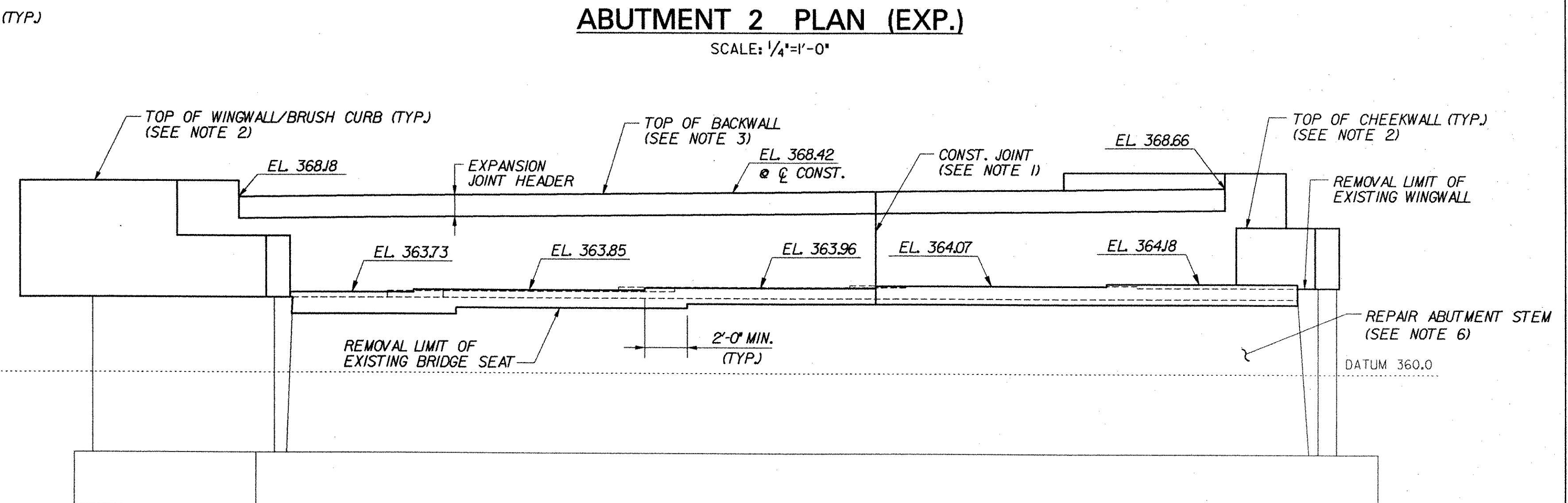
ABUTMENT 2 PLAN (EXP.)

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



ABUTMENT 1 ELEVATION

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



ABUTMENT 2 ELEVATION

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

NOTE: FOR SECTIONS A-A AND B-B, SEE ABUTMENT MASONRY (SIS), BRIDGE SHEET BR51-2I.

NOTES:

1. CONSTRUCTION JOINT LOCATED AT STEP IN BRIDGE SEAT. LOCATION SHALL BE REVISED AS DIRECTED BY THE RESIDENT ENGINEER AS REQUIRED TO MATCH ANY CONSTRUCTION JOINT IN THE EXISTING ABUTMENT STEM.
2. FOR WINGWALL AND CHEEKWALL DIMENSIONS, DETAILS AND ELEVATIONS, SEE TYPICAL WINGWALL DETAILS, BRIDGE SHEETS C-43 AND C-44.
3. BACKWALL ELEVATIONS SHOWN AT FRONT FACE OF BACKWALL.
4. FOR ABUTMENT REINFORCEMENT DETAILS, SEE TYPICAL EXPANSION ABUTMENT REINFORCEMENT, BRIDGE SHEET C-40, AND TYPICAL FIXED ABUTMENT REINFORCEMENT, BRIDGE SHEET C-41.
5. STEPS IN BRIDGE SEATS SHALL BE EQUIDISTANT BETWEEN STRINGERS.
6. REPAIR ALL EXISTING SPALLED AND DELAMINATED AREAS ON ABUTMENT. SEE EXISTING SUBSTRUCTURE CONDITION, BRIDGE SHEETS SC-17 THROUGH SC-23 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	BOLTON	Bridge No.	51N
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 NB OVER U.S. ROUTE 2 AND JOINER BROOK			
ABUTMENT MASONRY (51N)			
Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	Date	Bridge Design Supervisor	Date
J.P. HALSTEAD	10/99	J.P. HALSTEAD	Date 10/99
PROJECT	BOLTON	PROJECT NO.	IM-089-2(29)
TVGA CAD Drawing No.	5labmas	Date	10/99
Bridge Sheet No.	BR51-20	Sheet	118 of 307