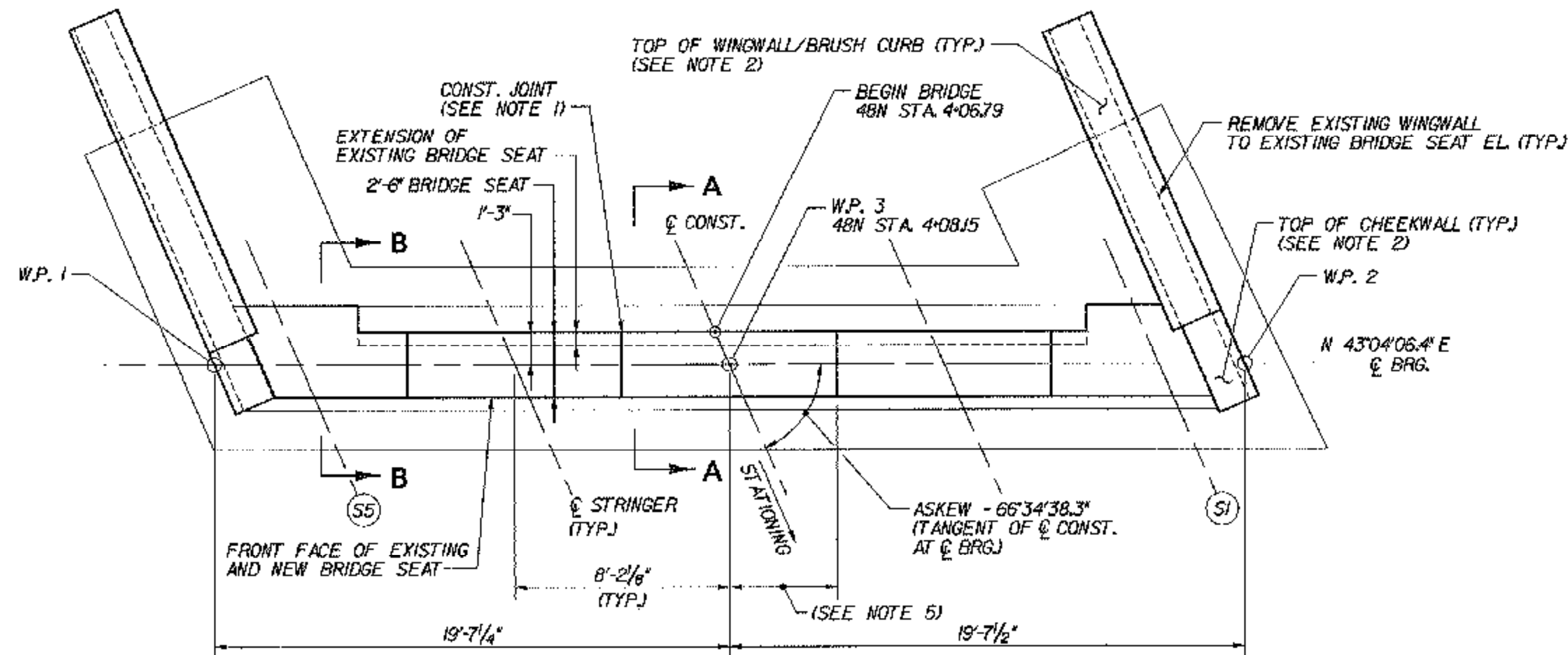


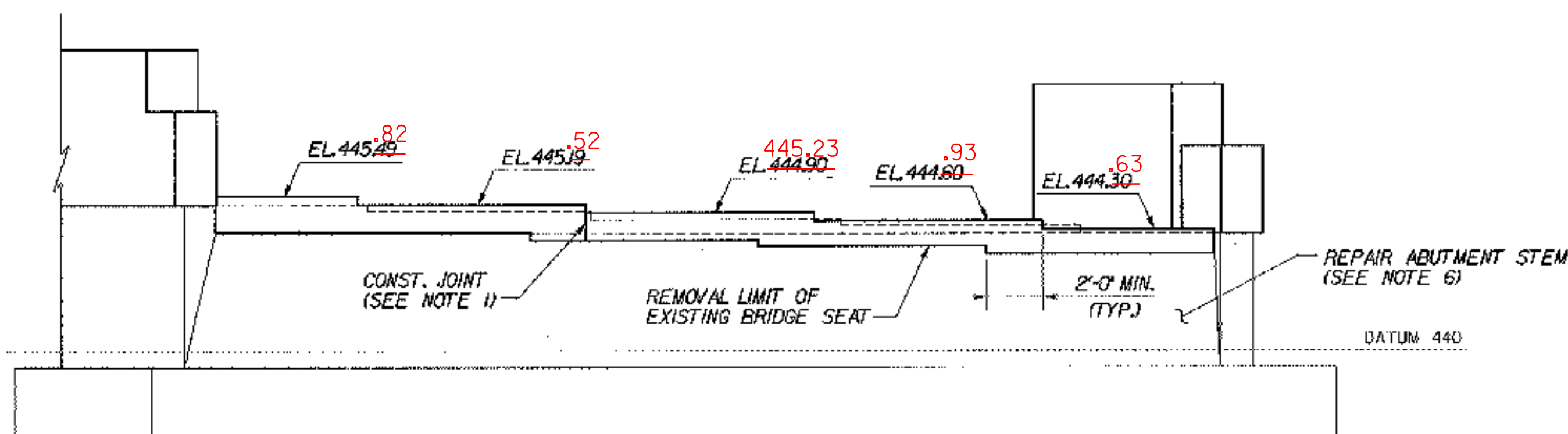
NOTE: RAISED 48N FINISH GR. 5/4"



ABUTMENT 1 PLAN (FIXED)

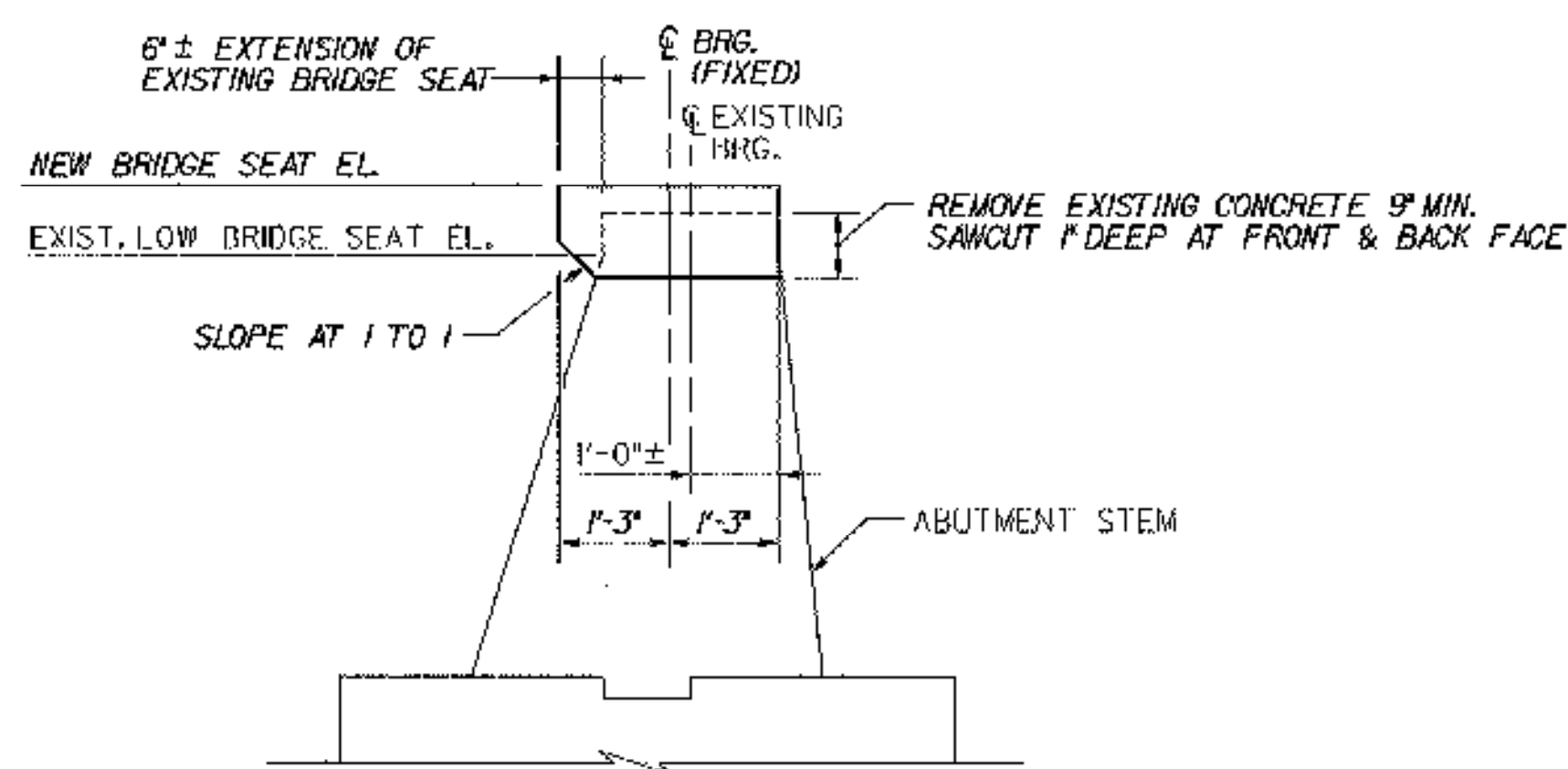
SCALE: 1/4"=1'-0"

NOTE: RAISED PIER AND ABUT. SEATS 4"



ABUTMENT 1 ELEVATION

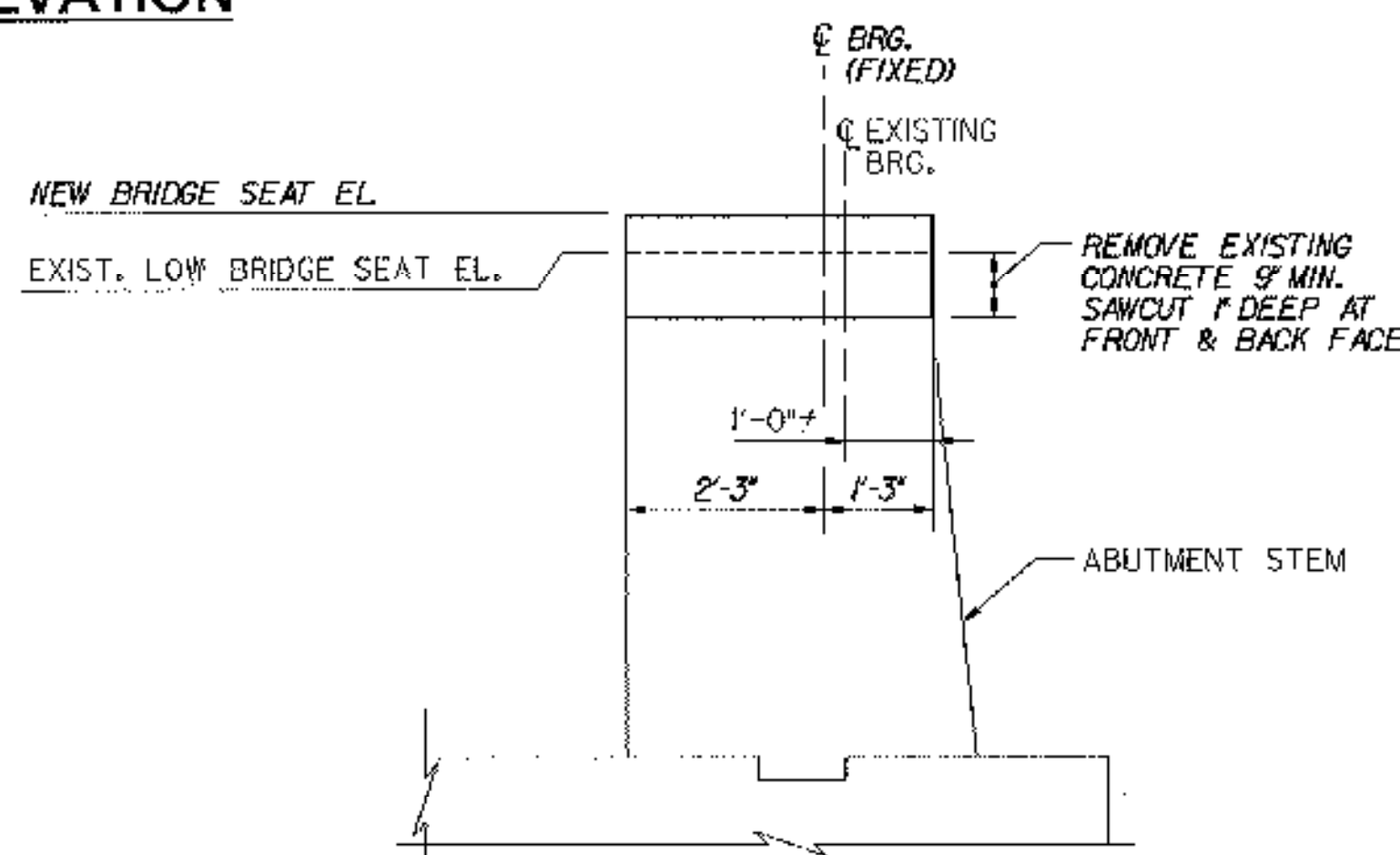
SCALE: 1/4"=1'-0"



SECTION A-A

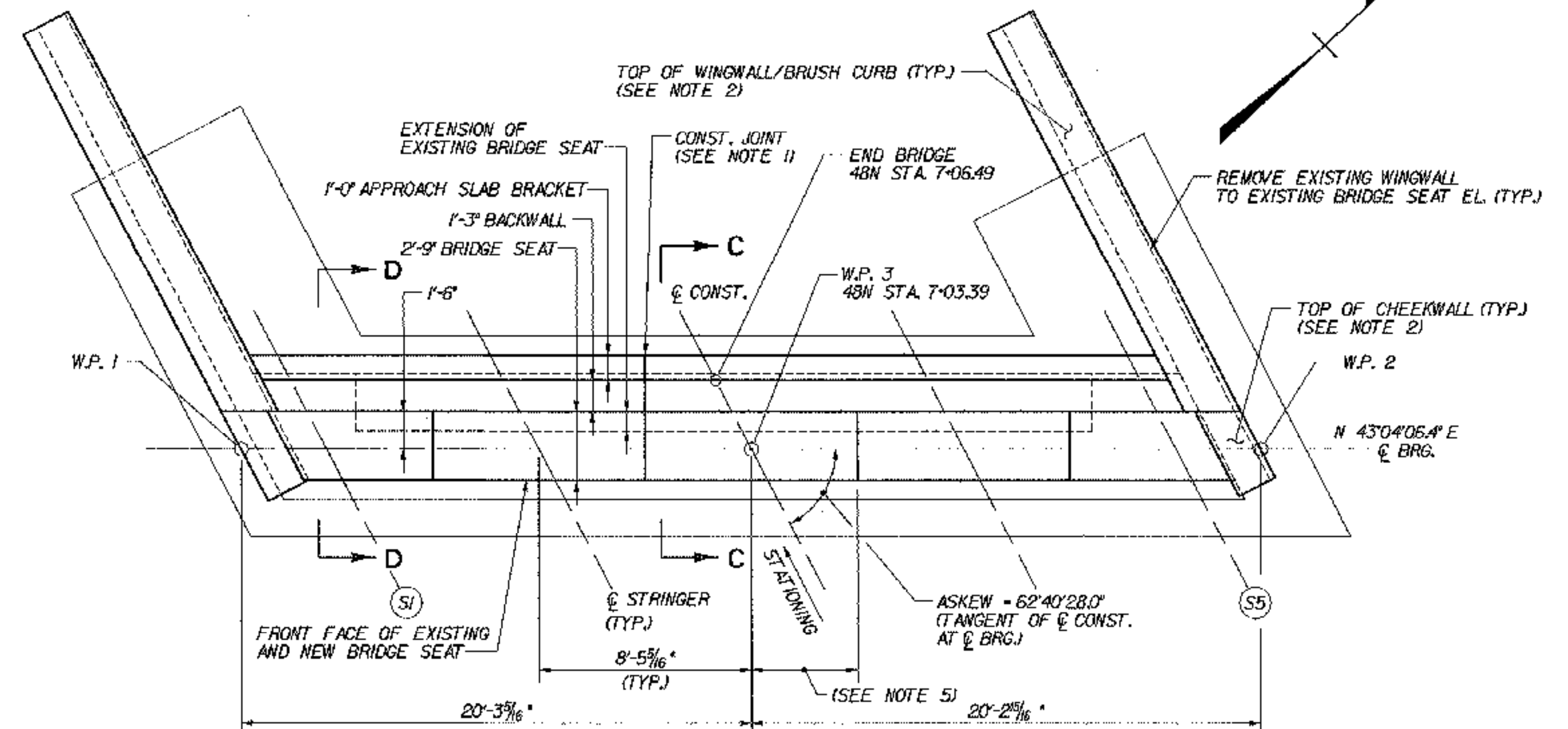
SCALE: 1/2"=1'-0"

NOTE: FOR SECTIONS C-C AND D-D, SEE ABUTMENT MASONRY (48S), BRIDGE SHEET BR48-12.



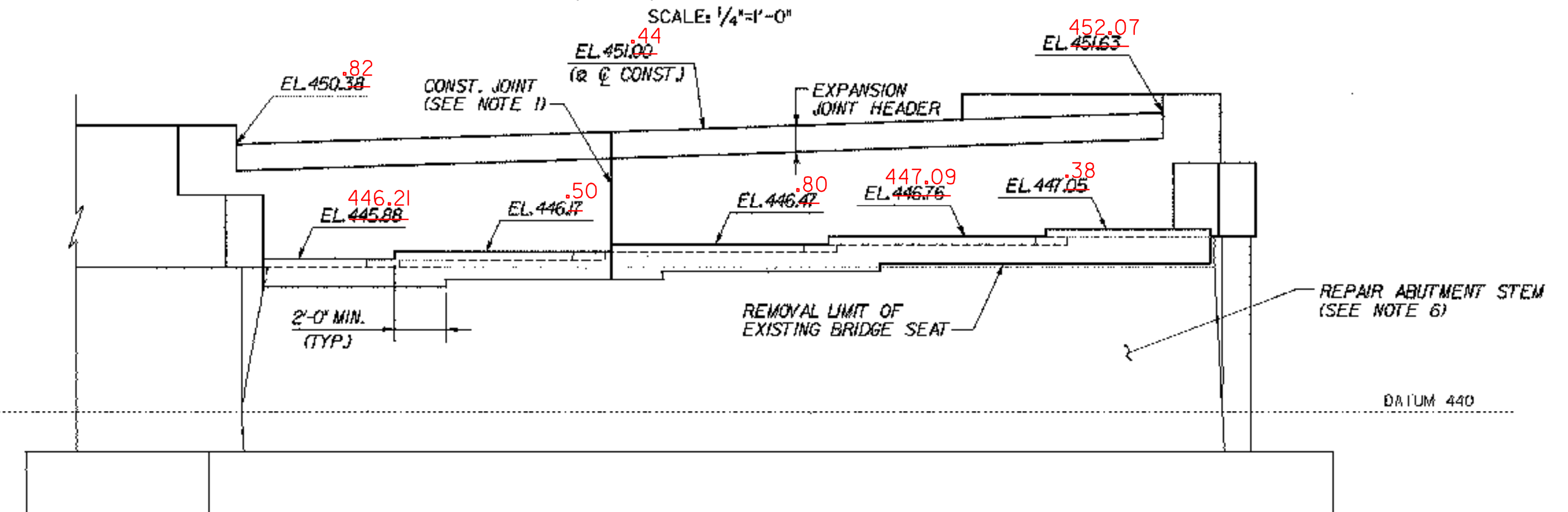
SECTION B-B

SCALE: 1/2"=1'-0"



ABUTMENT 2 PLAN (EXP.)

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



ABUTMENT 2 ELEVATION

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

NOTES:

- 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.
- FOR WINGWALL AND CHEEKWALL DIMENSIONS, DETAILS AND ELEVATIONS, SEE TYPICAL WINGWALL DETAILS, BRIDGE SHEETS C-43 AND C-44.
- BACKWALL ELEVATIONS SHOWN AT FRONT FACE OF BACKWALL.
- FOR ABUTMENT REINFORCEMENT DETAILS, SEE TYPICAL EXPANSION ABUTMENT REINFORCEMENT, BRIDGE SHEET C-40, AND TYPICAL FIXED ABUTMENT REINFORCEMENT, BRIDGE SHEET C-41.
- STEPS IN BRIDGE SEATS SHALL BE EQUIDISTANT BETWEEN STRINGERS.
- REPAIR ALL EXISTING SPALLED AND DELAMINATED AREAS ON ABUTMENT. 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
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 NB OVER LITTLE RIVER			
ABUTMENT MASONRY (48N)			
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.	48cbmas	Date	10/99
Bridge Sheet No.	BR48-11	Sheet	11 of 307