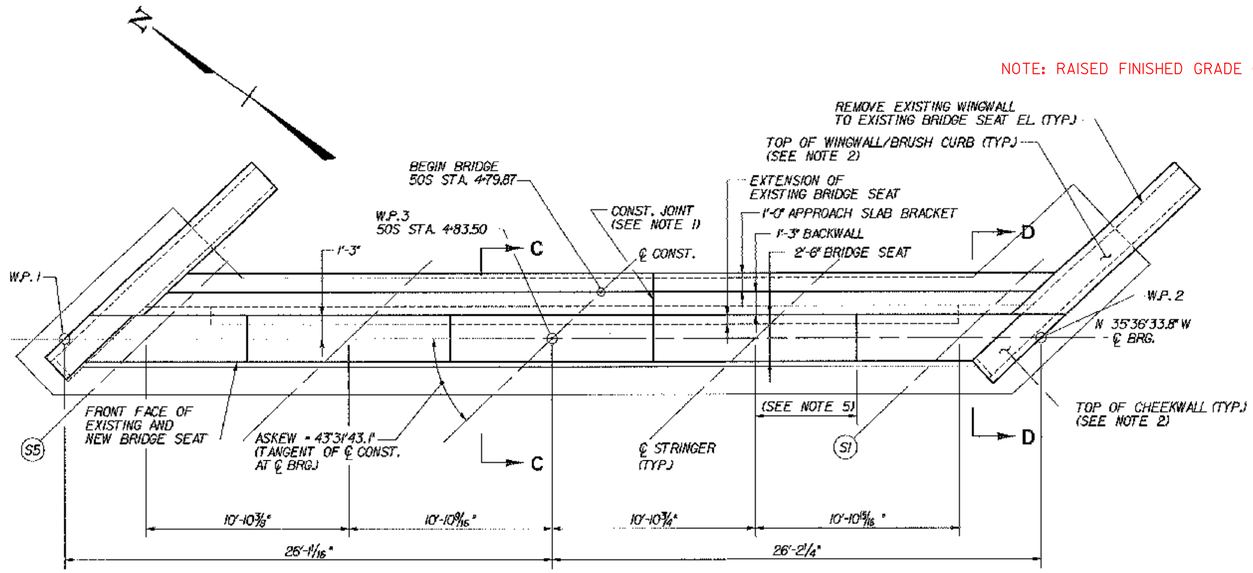
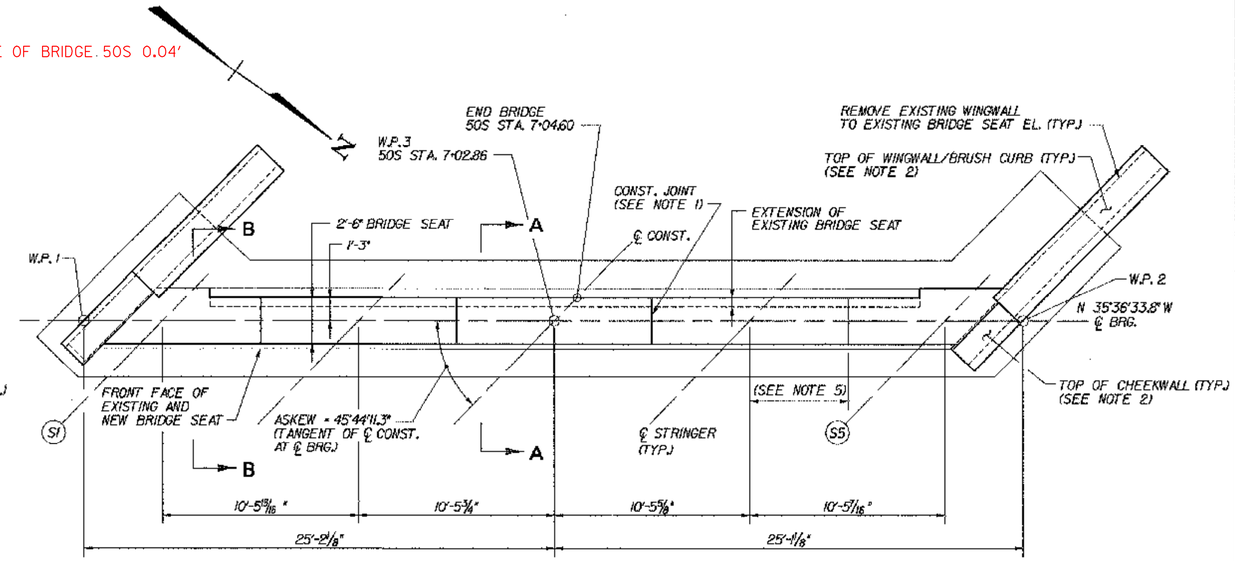
NOTE: RAISED FINISHED GRADE OF BRIDGE 50S 0.04'



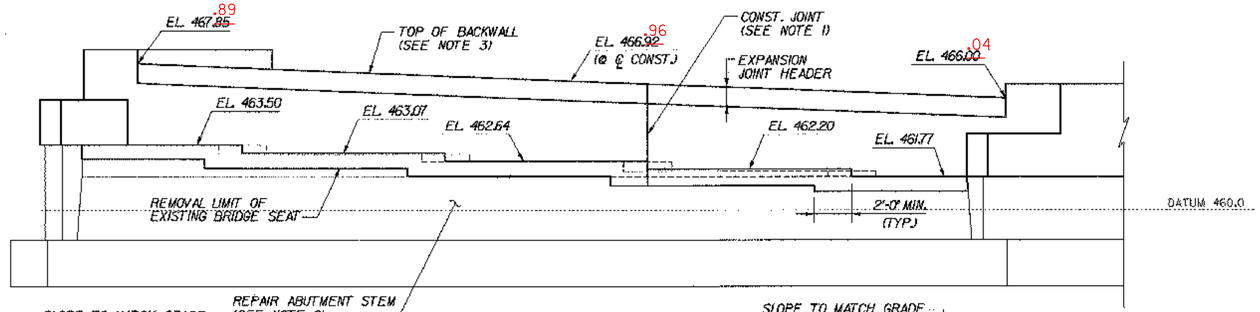
ABUTMENT 1 PLAN (EXP.)

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



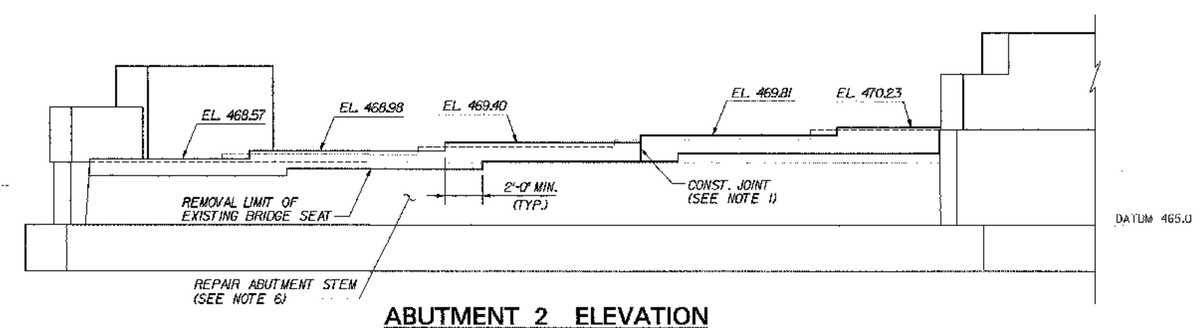
ABUTMENT 2 PLAN (FIXED)

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



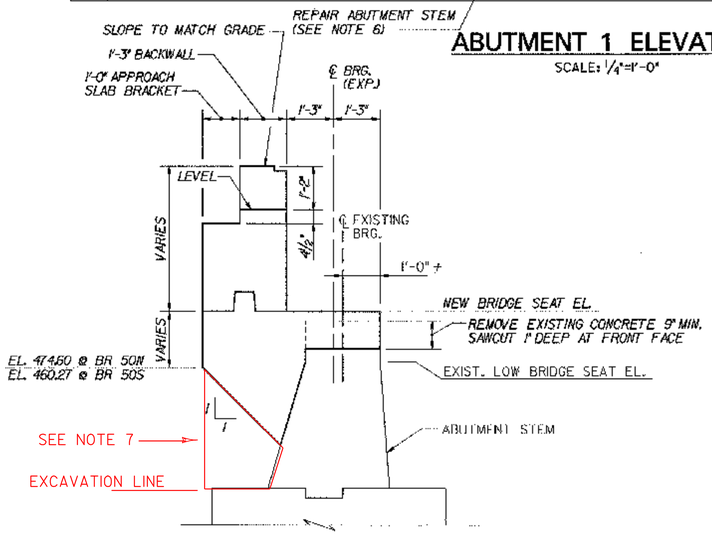
ABUTMENT 1 ELEVATION

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



ABUTMENT 2 ELEVATION

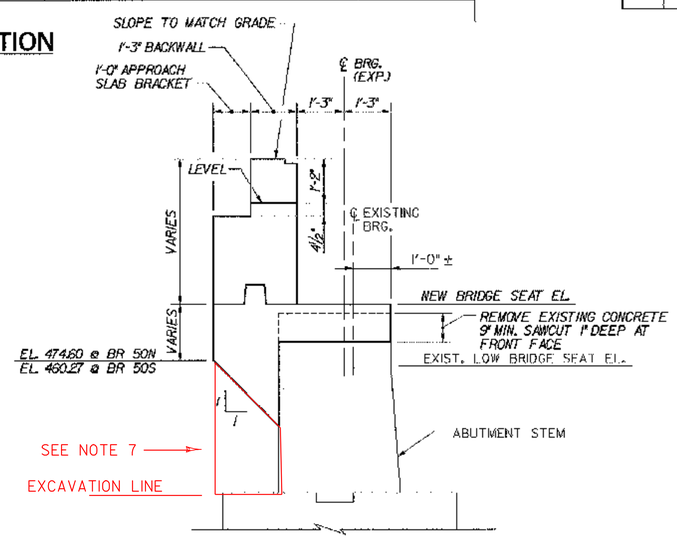
SCALE: 1/4"=1'-0"



SECTION C–C

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

NOTE: FOR SECTIONS A-A AND B-B, SEE ABUTMENT MASONRY (50N), BRIDGE SHEET BR50-11.



SECTION D–D

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

7. APPLIES TO BRIDGE 50N AND S. THE CONTRACTOR FOR EASE OF FORMING FORMED THE BACK OF THE EXPANSION ABUTMENT STRAIGHT DOWN TO THE BOTTOM OF THE EXCAVATION. THEY INSTALLED EXTRA REBAR IN THE AREA. ALL MATERIALS AND LABOR WAS AT THE EXPENSE OF THE CONTRACTOR

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-13 THROUGH SC-16 FOR APPROXIMATE CONDITION OF EXISTING SUBSTRUCTURES. FOR CONCRETE REPAIR DETAILS, SEE SUBSTRUCTURE REPAIR DETAILS AND NOTES, BRIDGE SHEET C-45.

TVGA ENGINEERING, SURVEYING, P.C.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of MIDDLESEX-BOLTON		Bridge No. 50S	
Highway No. I-89		Log Sta. / Surv. Sta.	
I-89 SB OVER U.S. ROUTE 2			
ABUTMENT MASONRY (50S)			
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. 50abmas		Date 10/99	
Bridge Sheet No. BR50-12		Sheet 96 of 307	