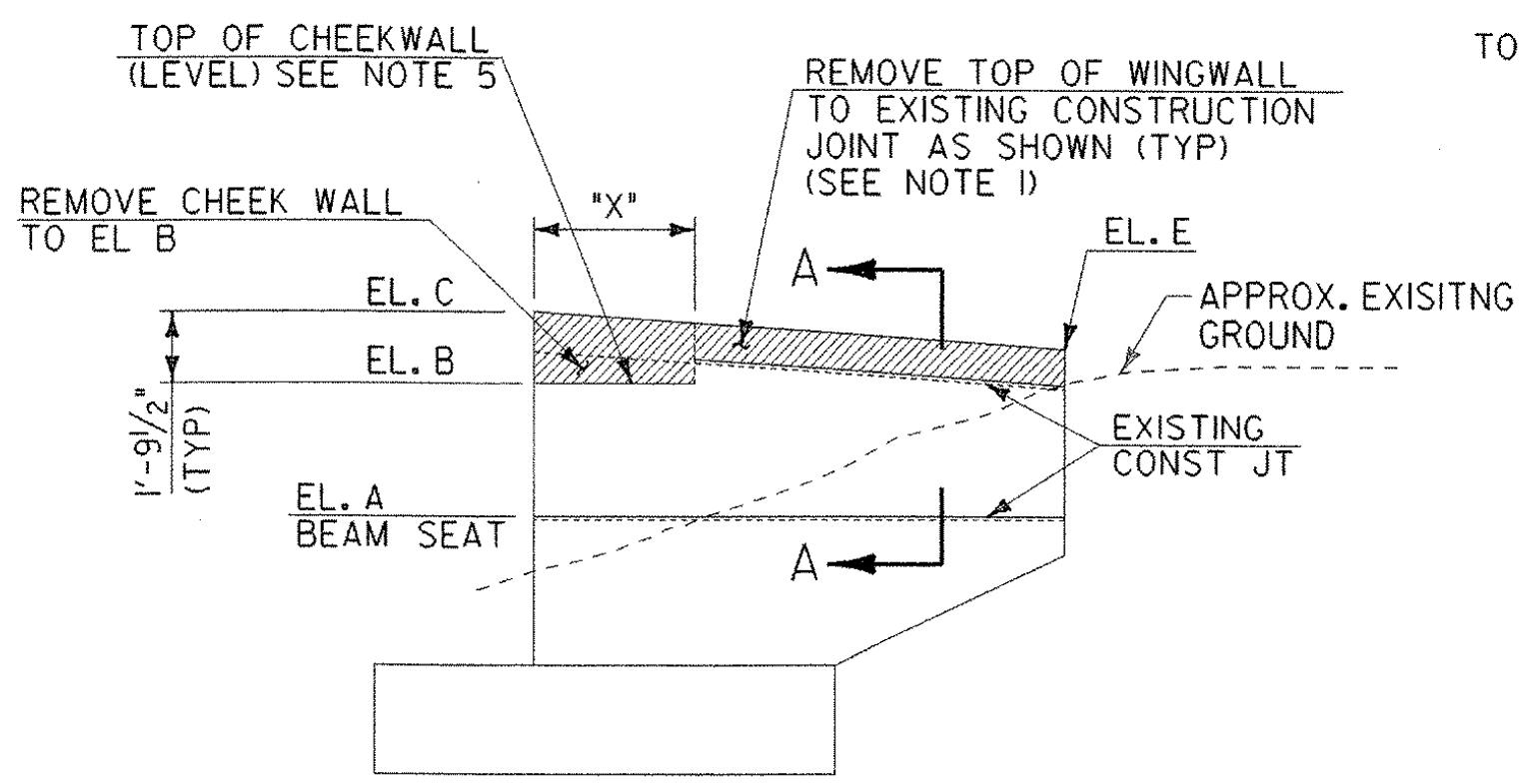
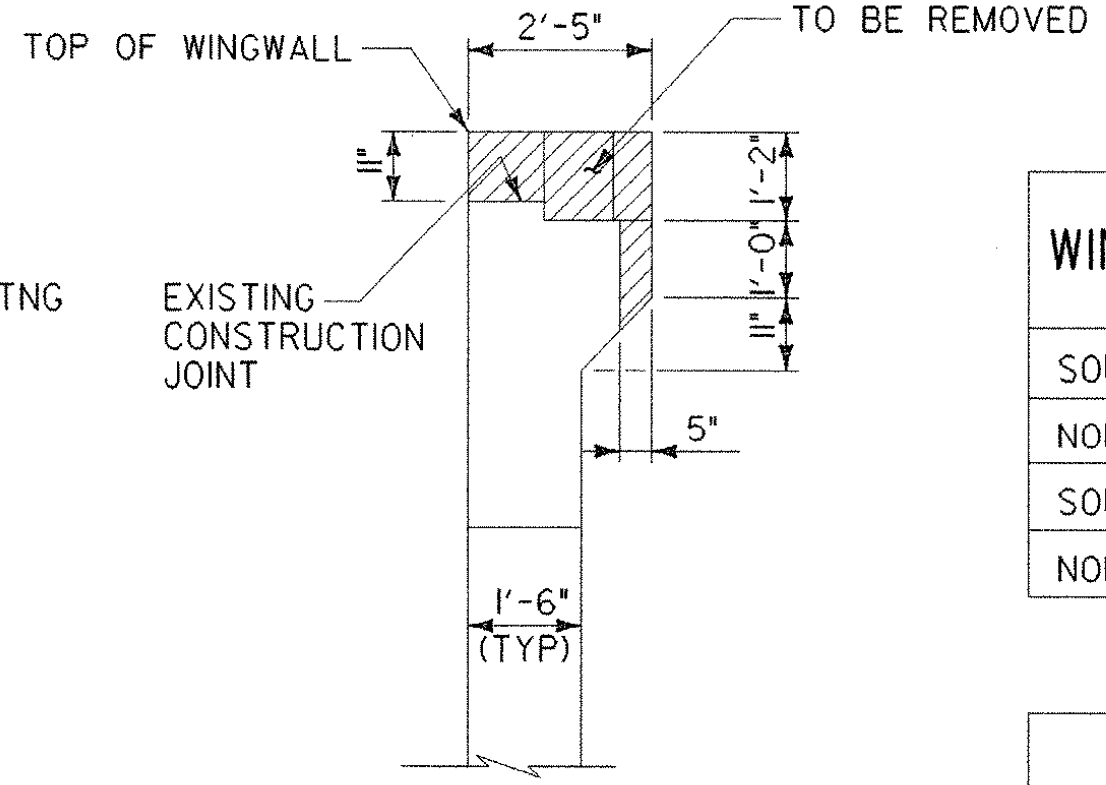


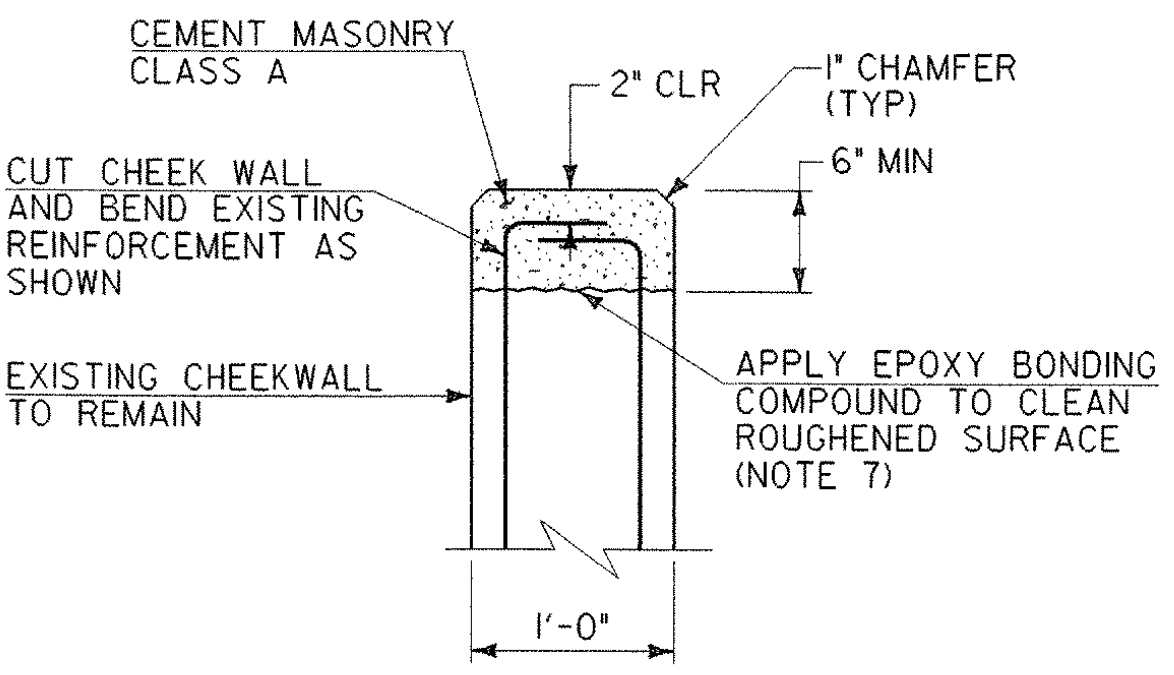
ABUTMENT 1 PLAN (SHOWN)
(ABUTMENT 2 SIMILAR)
SCALE: 3/16" = 1'-0"



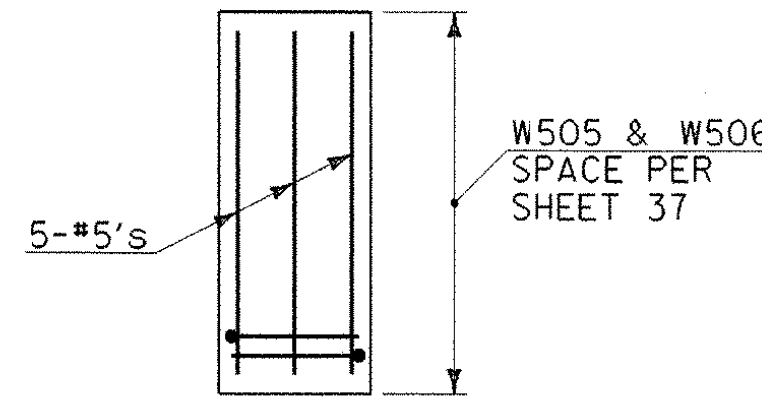
TYPICAL WINGWALL ELEVATION
SCALE: 3/16" = 1'-0"



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



TYPICAL DETAIL FOR CONCRETE CAP AT EXISTING CHEEKWALL
SCALE: 1" = 1'-0"



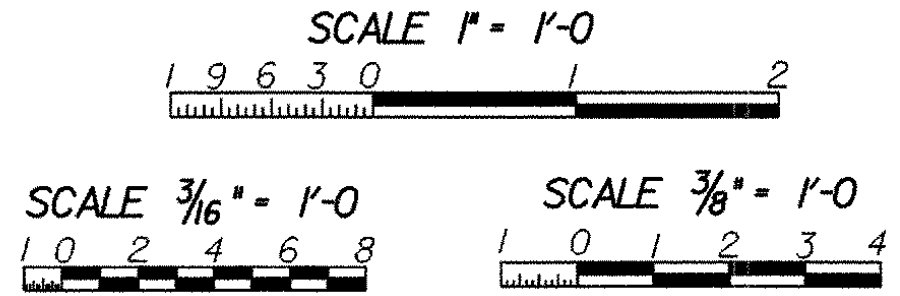
SECTION B
NTS

WINGWALL	TOP OF WINGWALL ELEVATIONS (FT)				DIMENSIONS
	A	B	C	E	
SOUTH EAST	484.71	488.53	490.32	489.37	6'-4 7/8"
NORTH EAST	484.95	488.06	489.85	488.91	2'-4 1/2"
SOUTH WEST	502.13	505.80	507.59	508.31	3'-0 1/2"
NORTH WEST	502.18	506.20	507.99	508.70	7'-5 1/2"

ABUTMENT	BEAM SEAT ELEVATIONS				
	BM 1	BM 2	BM 3	BM 4	BM 5
ABUTMENT 1	484.98	484.91	484.84	484.77	484.72
ABUTMENT 2	502.30	502.43	502.55	502.65	502.76

- NOTES:**
- ALL EXISTING VERTICAL REINFORCEMENT STEEL IN WINGWALLS AND CHEEK WALLS SHALL BE RETAINED. CUT EXISTING REINFORCING TO FIT PROPOSED WINGWALL AND CHEEK WALL CONFIGURATION.
 - REMOVAL OF WINGWALL AND CHEEKWALL MASONRY SHALL BE PAID AS ITEM 529.25, "REMOVAL OF CONCRETE OR MASONRY". EXCAVATION AND BACKFILLING OF EXISTING GROUND REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN ITEM 529.25.
 - SEE SHEET 28 FOR SUBSTRUCTURE REPAIR NOTES AND DETAILS.
 - ALL DIMENSIONS ARE APPROX. AND SHOULD BE VERIFIED IN THE FIELD.
 - TOP OF CHEEKWALL TO BE AT LEAST 6" CLEAR OF SLAB.
 - FOR CONCRETE CURB DIMENSIONS SEE SHEET 39.
 - EPOXY BONDING COMPOUND MEETING THE REQUIREMENTS OF SUBSECTION 719.02 BETWEEN EXISTING AND NEW CONCRETE SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
 - FILL DRILLED HOLES WITH NON-SHRINK, NON-METALLIC EPOXY GROUT AFTER PLACING REINFORCEMENT.
 - USE NON-SHRINK NON-METALLIC EPOXY GROUT TO BUILD UP EXISTING BEAM SEAT TO THE BEAM SEAT ELEVATION. APPLY EPOXY BONDING COMPOUND TO TOP OF EXISTING ROUGHENED CONCRETE PRIOR TO PLACING GROUT.

LEGEND:
 MASONRY REMOVAL



STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	HARTLAND	Bridge No.	38
Highway No.	1-91	Log Sta.	
		Surv. Sta.	
ABUTMENT MODIFICATIONS			
Designed By	S. YONGHO	Drawn By	N. HERRERA
Checked By	S. YONGHO	Date	DEC 2000
		Bridge Design Supervisor	E. JOHNSTON
		Date	FEB. 2001
PROJECT	HARTLAND	PROJECT NO.	IM 091-1(36)
Drawing Name	za272abm.dgn		
Bridge Sheet No.		Sheet	31 of 85

STONE & WEBSTER, INC.

04-FEB-2003 V:\Struc\working\za272abm.dgn