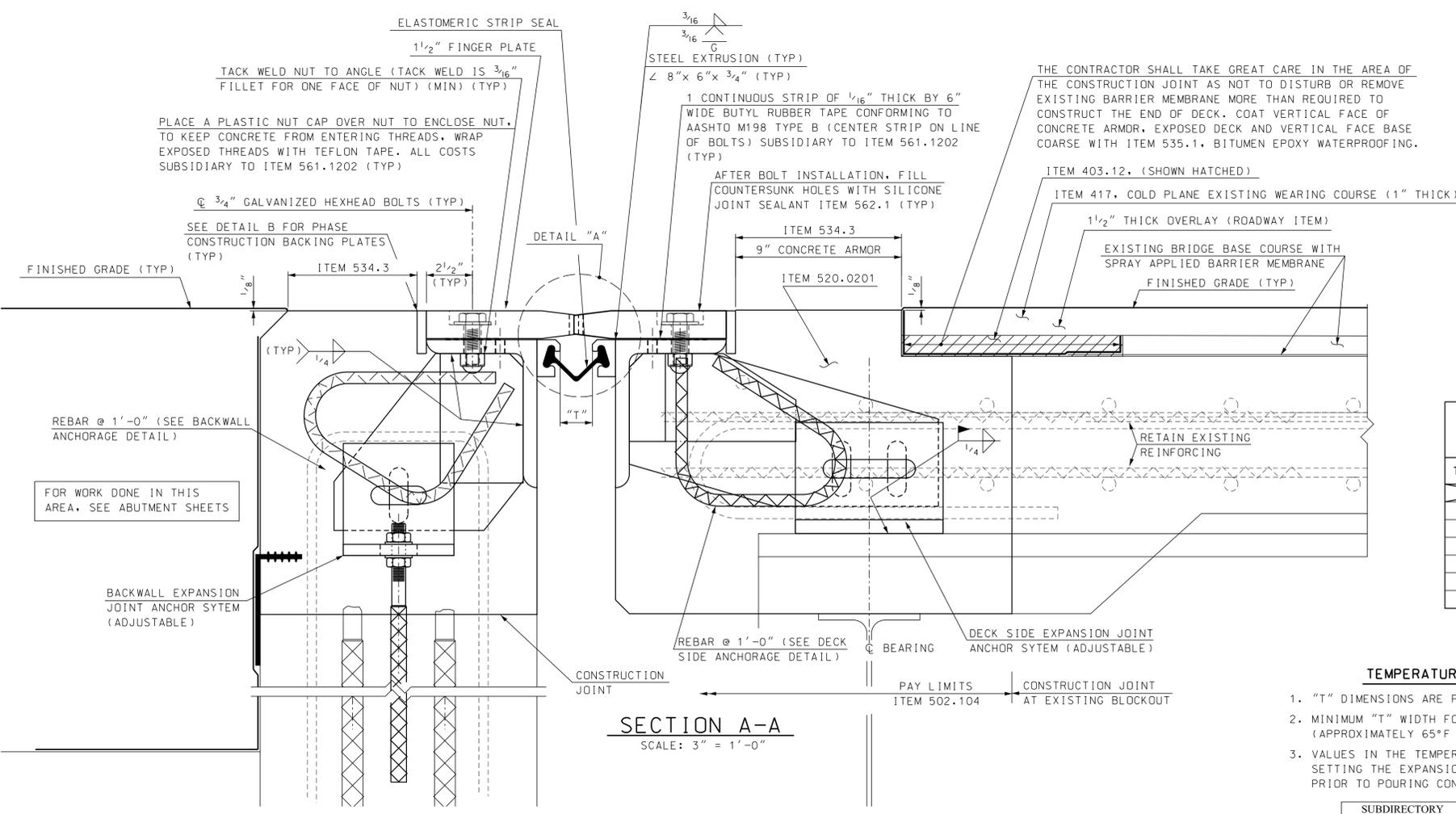


PLAN - ABUTMENT B (WB) EXPANSION JOINT PLAN (ITEM 561.1202)
SCALE: 3/8" = 1'-0"

NOTE: DESIGNER SHALL CONFIRM THE MAX. JOINT OPENING IN THE LONGITUDINAL DIRECTION BETWEEN FINGERS (AT MIN. DESIGN TEMP.). THE MAXIMUM OPENING SHALL BE 3/4". OTHERWISE, THE 2" LENGTH OF THE FINGERS SHALL BE INCREASED.

IT IS INTENDED THAT THE TOP OF EXPANSION JOINT PLOW PLATE STEEL BE SET 2 1/2" ABOVE THE EXISTING CONCRETE DECK SURFACE TO MATCH GRADE OF FINISHED SURFACE

NOTE THAT THE ELEVATIONS AND DIMENSIONS SHOWN ARE TAKEN FROM THE ORIGINAL PLANS AND/OR BRIDGE MAINTENANCE RECORDS. DAMAGE AND/OR FIELD MAINTENANCE MAY HAVE OCCURRED THAT MAY NOT HAVE BEEN RECORDED SO FIELD VERIFICATION OF DIMENSIONS AND ELEVATIONS IS REQUIRED TO ENSURE PROPER FITTING OF EXPANSION JOINT. ANY DIFFERENCES BETWEEN FIELD MEASUREMENTS AND DESIGN PLANS SHALL BE NOTED ON THE SHOP DRAWINGS.



NOTE: DETAILS AND NOTES MAY NOT BE CURRENT. CLOSELY REVIEW BEFORE USING DETAILS.

SAMPLE PLAN
DATE: 03-2016

TEMPERATURE ADJUSTMENT TABLE	
TEMPERATURE	"T"
20°F	2 1/4"
35°F	2 1/16"
50°F	1 15/16"
65°F	1 3/4"
80°F	1 9/16"
95°F	1 7/16"

- TEMPERATURE ADJUSTMENT NOTES**
- "T" DIMENSIONS ARE PERPENDICULAR TO FACE OF BACKWALL.
 - MINIMUM "T" WIDTH FOR SEAL INSTALLATION = 1 3/4" (APPROXIMATELY 65°F OR LESS).
 - VALUES IN THE TEMPERATURE ADJUSTMENT TABLE ARE FOR SETTING THE EXPANSION JOINT ASSEMBLY IMMEDIATELY PRIOR TO POURING CONCRETE BLOCKOUTS.

EXPANSION JOINT NOTES

- ALL EXPANSION JOINT STEEL SHALL BE GALVANIZED. STEEL ANGLES AND PLOW PLATES SHALL BE ASTM A572 GRADE 50. MINOR STEEL PLATES AND EXTRUSIONS MAY CONFORM TO ASTM A36. THE ENTIRE ASSEMBLY, INCLUDING STRIP SEAL, SHALL BE PAID FOR AS ITEM 561.1202, PREFABRICATED STRIP SEAL EXPANSION JOINT W/ PLOW PLATES (F).
- SPLICES FOR STEEL ANGLES SHALL DEVELOP FULL STRENGTH.
- EXPANSION JOINT SHALL BE PRESET TO THE TEMPERATURE ANTICIPATED AT THE TIME OF INSTALLATION. FINAL SETTING IN THE FIELD SHALL BE DETERMINED BY THE CONTRACT ADMINISTRATOR (SEE TEMPERATURE ADJUSTMENT TABLE & NOTES).
- THE STRIP SEAL SHALL BE FURNISHED IN ONE CONTINUOUS LENGTH. NO SPLICES WILL BE ALLOWED.
- JOINT SUPPORT PLATES AND CURB PLATES SHALL BE SHOP WELDED TO EXPANSION JOINT STEEL AND SHALL BE VERTICAL AFTER THE JOINT ASSEMBLY HAS BEEN ADJUSTED FOR ROADWAY CROSS-SLOPE AND GRADE.
- REMOVE SHIPPING DEVICES IMMEDIATELY AFTER THE JOINT HAS BEEN SECURED TO THE STRUCTURAL STEEL AND BACKWALL, AND GRIND SMOOTH ANY WELDS ON EXPOSED SURFACES. REPAIR ANY DAMAGE TO GALVANIZED SURFACES IN ACCORDANCE WITH SECTION 550.
- PROTECT TOP OF EXPANSION JOINT DURING PLACEMENT OF CONCRETE AND BITUMINOUS PAVEMENT.
- THE STRIP SEAL HAS BEEN DESIGNED FOR A TOTAL FACTORED MOVEMENT OF 2 1/4 INCHES. DESIGN INCLUDES MOVEMENT DUE TO TEMPERATURE, SKEW, SHRINKAGE AND MINIMUM INSTALLATION WIDTH. THE CONTRACTOR SHALL USE AN SE-400 SEAL BY WATSON BOWMAN OR A2R-400 BY D.S. BROWN AS NOTED ON THE OPL.
- NO "LOW PROFILE" STEEL EXTRUSIONS SHALL BE ALLOWED. SEE OPL FOR APPROVED PRODUCTS
- THE FINGER PLATES SHALL BE CUT FROM ONE CONTINUOUS 1'-2 1/2" WIDE x 1 1/2" THICK PLATE, AS SHOWN ON THE FINGER PLATE PLAN, AND FURNISHED IN 11 LENGTHS.

NOTE: FOR SECTIONS B-B, C-C, D-D SEE BRIDGE SHEET 28.

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

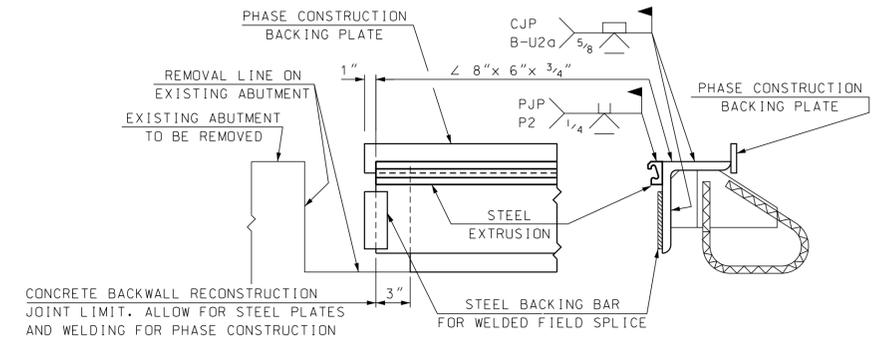
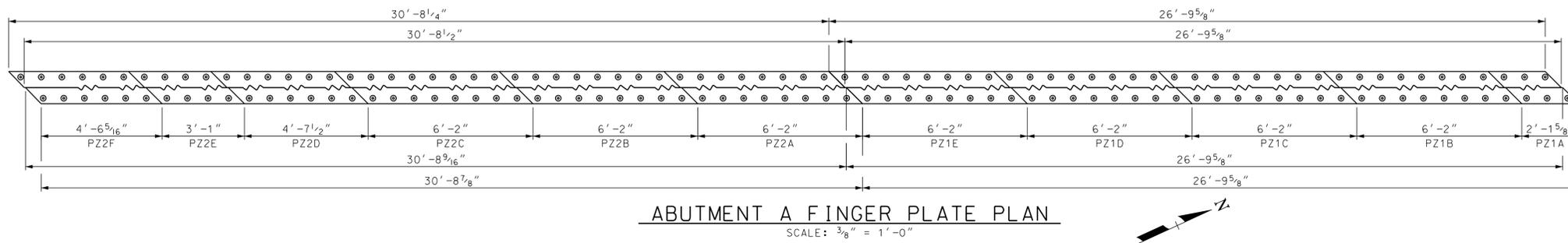
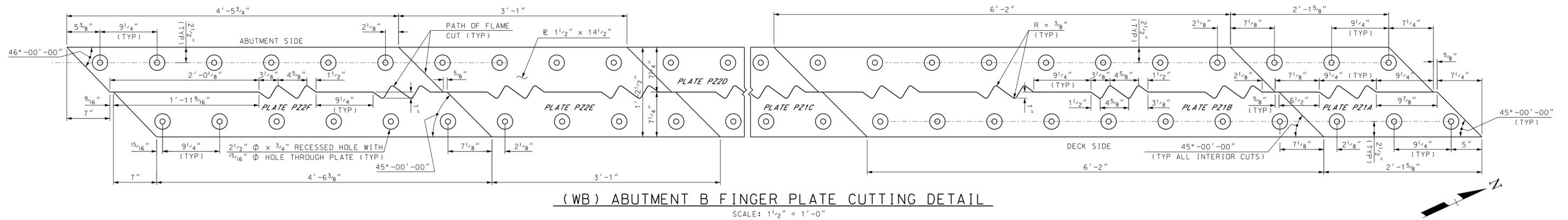
TOWN: CONCORD BRIDGE NO. 161/184 STATE PROJECT 40405
LOCATION: I-393 WESTBOUND OVER SOUCCOOK RIVER

ABUTMENT A EXPANSION JOINT (1 OF 2)

DESIGNED	XXX	DATE	XXX	DATE	XXX
DRAWN	GMC	3/16	CHECKED	CKN	3/16
QUANTITIES	GMC	3/16	CHECKED	CKN	3/16
ISSUE DATE	FEDERAL PROJECT NO.		SHEET NO.		TOTAL SHEETS
REV. DATE	-----		1		1

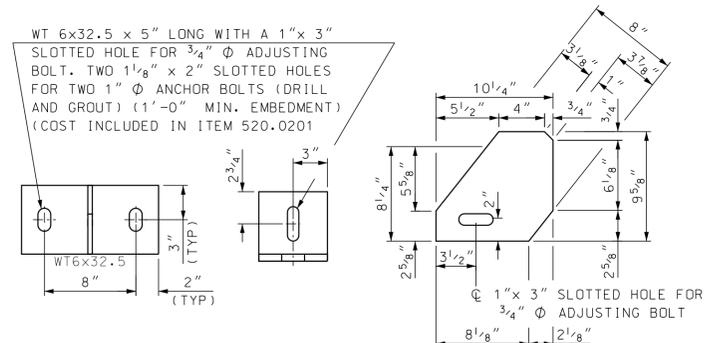
BRIDGE SHEET 27 OF 49
FILE NUMBER 130-2-3

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BRC/161_184WB	40405Exp-JA161-184	AS NOTED

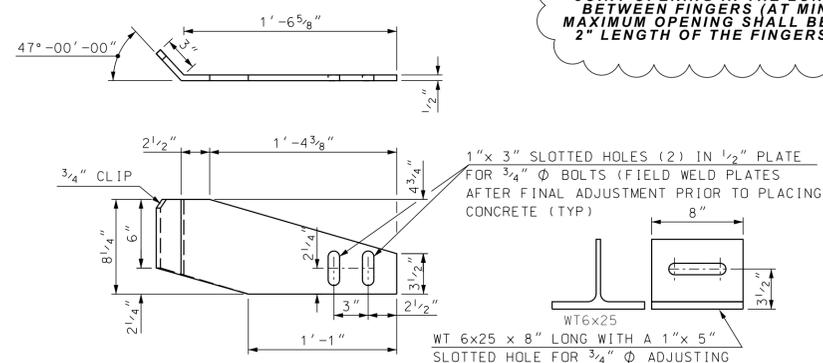


NOTE: DESIGNER SHALL CONFIRM THE MAX. JOINT OPENING IN THE LONGITUDINAL DIRECTION BETWEEN FINGERS (AT MIN. DESIGN TEMP.). THE MAXIMUM OPENING SHALL BE 3/4\"/>

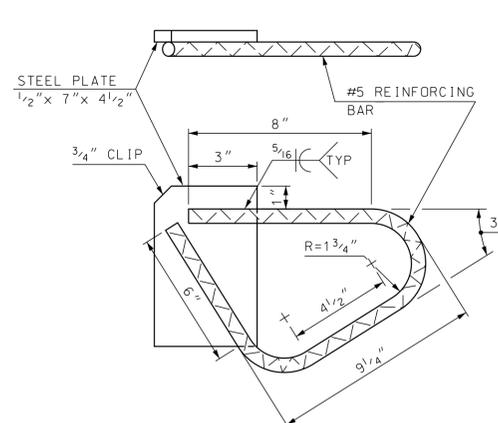
PHASE CONSTRUCTION FIELD WELD SPLICE DETAILS
NOT TO SCALE



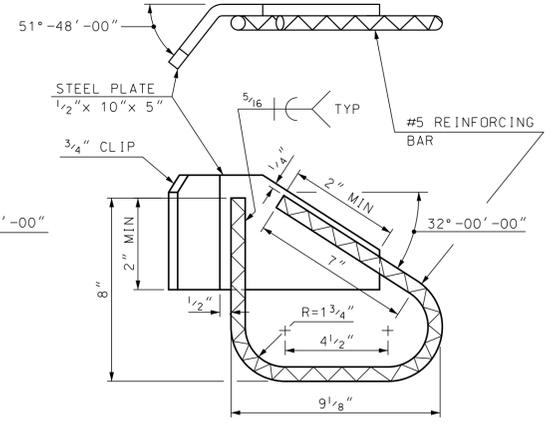
BACKWALL EXPANSION JOINT ANCHOR SYSTEM (ADJUSTABLE)
SCALE: 1 1/2\"/>



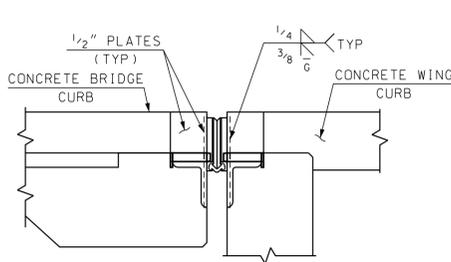
DECK SIDE EXPANSION JOINT ANCHOR SYSTEM (ADJUSTABLE)
SCALE: 1 1/2\"/>



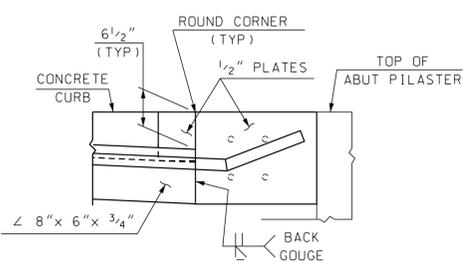
BACKWALL ANCHORAGE DETAIL
SCALE: 3\"/>



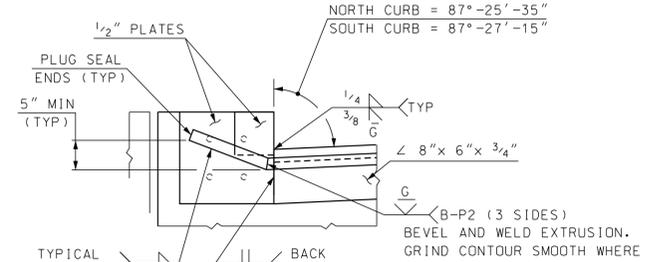
DECK SIDE ANCHORAGE DETAIL
SCALE: 3\"/>



SECTION B-B
SCALE: 3/4\"/>



SECTION C-C
SCALE: 3/4\"/>



SECTION D-D
SCALE: 3/4\"/>

NOTE: DETAILS AND NOTES MAY NOT BE CURRENT. CLOSELY REVIEW BEFORE USING DETAILS.

SAMPLE PLAN
DATE: 03-2016

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BRC/161_184WB	40405Exp-JtA161-184	AS NOTED

STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	CONCORD	BRIDGE NO.	161/184	STATE PROJECT	40405					
LOCATION						1-393 WESTBOUND OVER SOUHOOK RIVER				
ABUTMENT A EXPANSION JOINT (2 OF 2)						BRIDGE SHEET				
REVISIONS AFTER PROPOSAL						BY	DATE	BY	DATE	28 OF 49
						DESIGNED	XXX	XXX	CHECKED	XXX
						DRAWN	GMC	3/16	CHECKED	CKN
						QUANTITIES	GMC	3/16	CHECKED	CKN
						ISSUE DATE	FEDERAL PROJECT NO.			SHEET NO.
						REV. DATE	-----			1
									TOTAL SHEETS	1