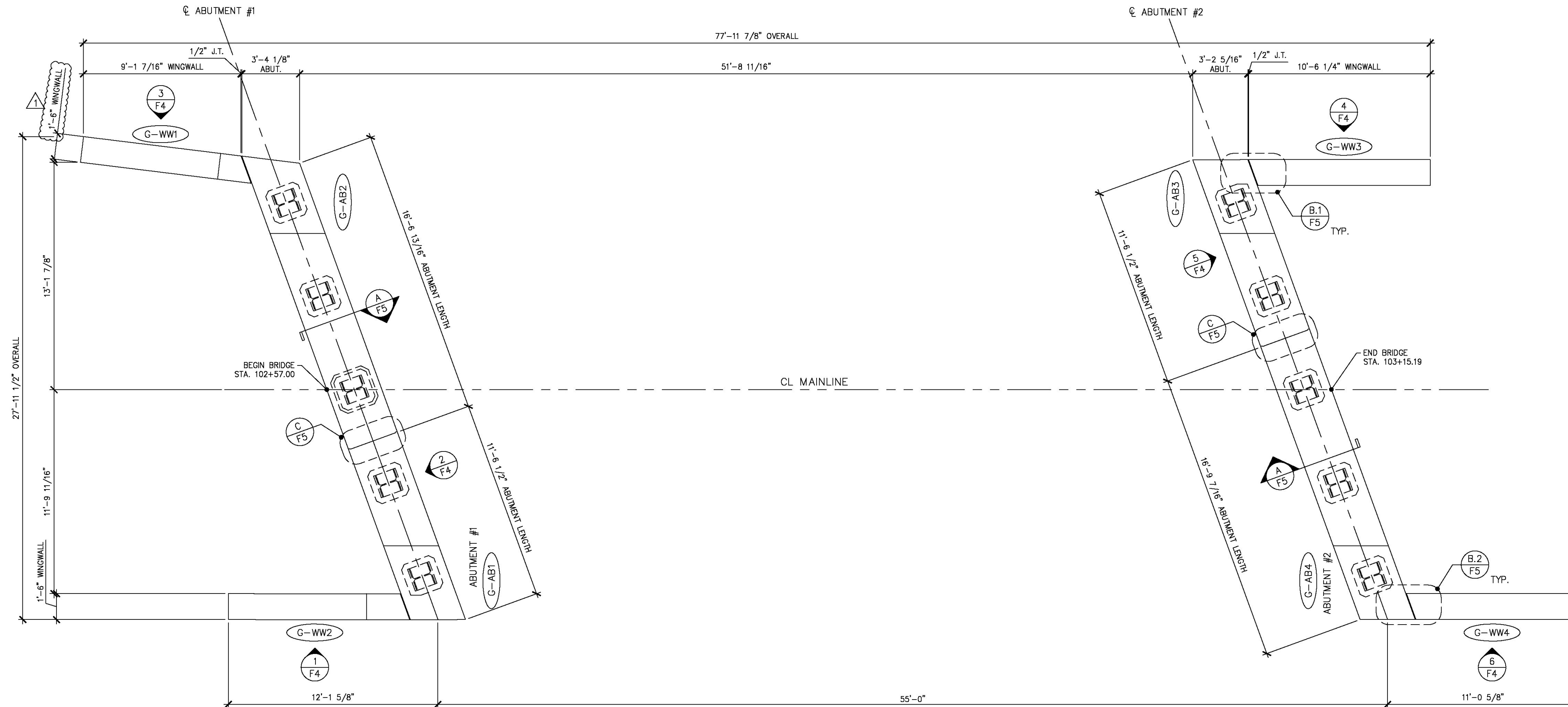


S:\Engineering Services\Carrara\14001 - Guilford Bridge 65\Production Drawings\AutoCAD Files\144236-F1.dwg, 5/9/2014 4:44:16 PM, DWG To PDF.pc3



1 PRECAST CONCRETE ABUTMENT & WING WALL LAYOUT
 F2 1/4" = 1'-0"



4-7-14 REVISED AS NOTED
 5-6-14 REVISED AS NOTED

- ABUTMENT & WING WALL GENERAL NOTES**
- MIN. CONCRETE STRENGTH AT 28 DAYS SHALL BE 5,000 PSI.
 - MIN. CONCRETE STRENGTH AT STRESS TRANSFER SHALL BE 3,500 PSI.
 - REINFORCING STEEL SHALL BE GR-60, ASTM A-615 (AASHTO M31).
 - THE TOP OF ABUTMENTS SHALL RECEIVE A SMOOTH FLOAT FINISH.
 - ALL EDGES OF ABUTMENT SHALL RECEIVE A 1" CHAMFER (U.N.O.).
 - THE TOP OF WING WALLS SHALL RECEIVE A SMOOTH FLOAT FINISH (UNLESS NOTED OTHERWISE).
 - SHEAR KEY SURFACES SHALL BE BLASTED CLEAN.
 - PRECAST CONCRETE UNITS SHALL BE HANDLED AND ERECTED USING THE LIFTING INSERTS ONLY. THE MINIMUM SLING ANGLE FROM THE HORIZONTAL SHALL BE 60°. NON-PRESTRESSED UNITS SHALL BE STORED & TRANSPORTED WITH TIMBER SUPPORTS AT 5th POINTS, UNLESS APPROVED BY J.P. CARRARA & SONS, INC.
 - MATERIAL SPECIFICATION AND MIX DESIGN SHALL CONFORM TO VERMONT SPEC. P540.05.
- DESIGN MIX:**
 WING WALLS: J.P.C. BRIDGE MIX #445M5CC
 ABUTMENTS: J.P.C. BRIDGE MIX #445M5CC
- QUALITY CONTROL PROCEDURES ARE IN ACCORDANCE WITH PCI REQUIREMENTS. J.P. CARRARA & SONS, INC. IS A PCI CERTIFIED PLANT.
 - CURING METHOD: AS SOON AS THE TOP OF PRECAST CONCRETE UNITS ARE FINISHED, A COVER OF RIGID INSULATION AND POLY WILL BE PLACED OVER THE UNIT. NATURAL CURE WITH NO EXTERNAL HEAT APPLIED.
 - ABUTMENT POST-TENSIONING SEQUENCE:
 - ERECT PRECAST CONCRETE ABUTMENTS, AND POST-TENSION CENTER TENDON TO APPROXIMATELY 3,000 LBS.
 - GROUT SHEAR KEY.
 - ONCE SHEAR KEY GROUT HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 1,500 PSI, POST-TENSION TENDONS TO 32,000 LBS.

Vermont Agency of Transportation
RECEIVED
 CK'D BY MJC OK'D BY TAS
 June 18, 2014
 RESUBMIT No Approved
 BY M. J. Chenette DATE 06/19/2014

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS

REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

VHB Vanasse Hangen Brustlin, Inc. Job Number: 57427.00
 7030 US Route 7 North Ferrisburgh, VT 05473 Reviewed By: S.E. Burbank
 802.425.7788 Date: 06/19/2014

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer N.T.S. 244 OAK ST., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF WINDHAM	DATE: MAR. 04, 2014 SCALE: NOTED
	TOWN OF GUILFORD ROUTE NO. T.H.10, CLASS III (LOCAL ROAD) BRIDGE NO.: 65 PROJECT NO.: BRO 1442 (36)	CHKD: JJ/KLT DFTM:AA1/RWS JOB NO: 23420-014
	SUBSTRUCTURE PLANS	
		DWG. NO: F2

Eriksson technologies
 813.989.3317
 TAMPA, FL LRFD.COM
 © 2014 ERIKSSON TECHNOLOGIES, INC. ALL RIGHTS RESERVED