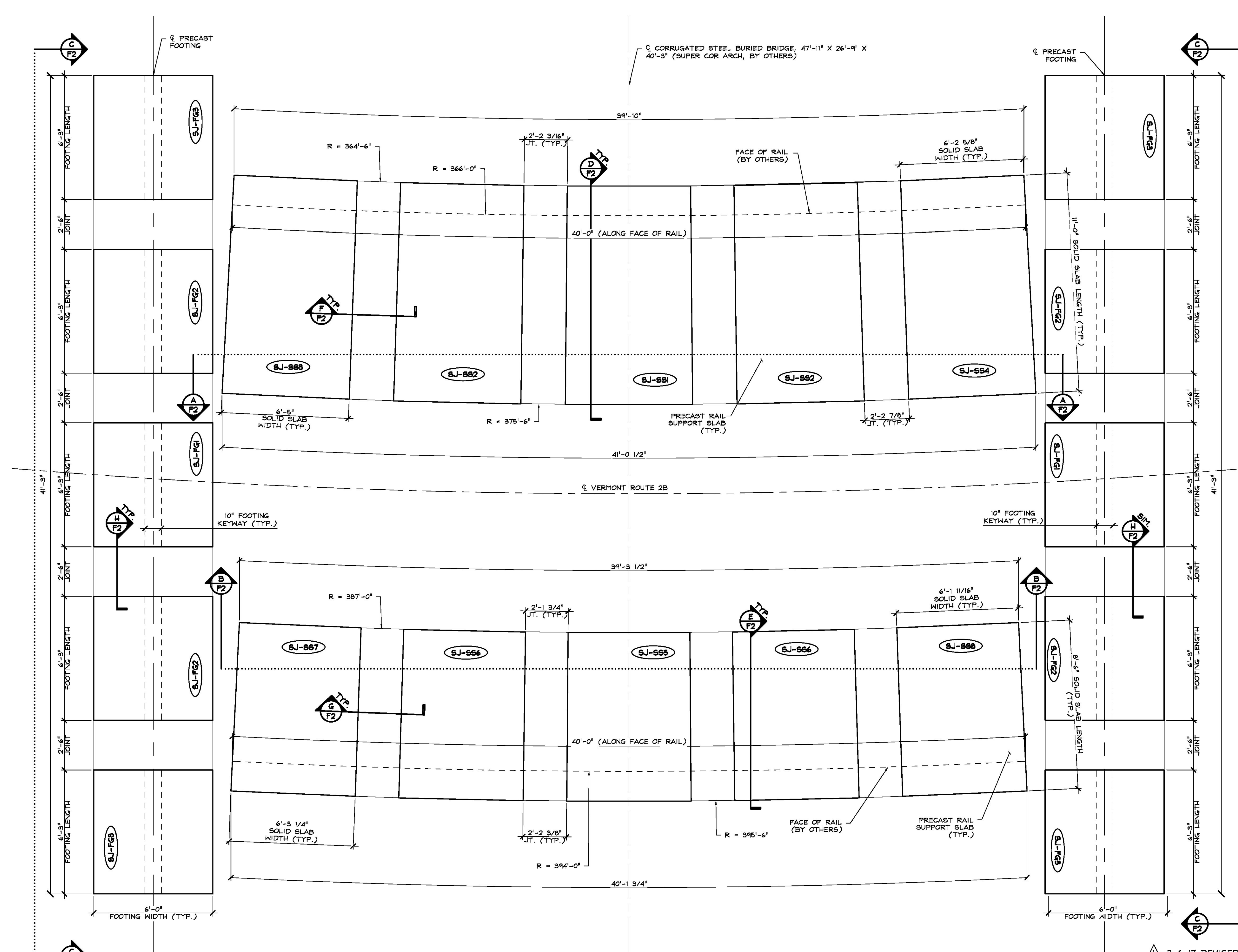


**PRECAST GENERAL NOTES**

1. MIN. CONCRETE STRENGTH AT 28 DAYS SHALL BE 5,000 PSI.
2. MIN. CONCRETE STRENGTH FOR HANDLING SHALL BE 3,000 PSI (UNLESS NOTED OTHERWISE).
3. REINFORCING STEEL SHALL BE GR-60, ASTM A-615 (AASHTO M31), AND SHALL BE EPOXY COATED, (UNLESS NOTED OTHERWISE).
4. REINFORCING STEEL FOR THE PROJECTING BARS IN THE SOLID SLABS FOR THE C.I.P. CONCRETE RAIL (BY OTHERS) SHALL BE GR-520, ASTM A651 STAINLESS STEEL (2304 DUPLEX UNS-S32304) (AS NOTED ON THE SHOP DRAWINGS).
5. THE TOP OF PRECAST UNITS SHALL RECEIVE A SMOOTH FLOAT FINISH (UNLESS NOTED OTHERWISE ON SHOP DRAWINGS).
6. PRECAST UNITS SHALL BE HANDLED AND ERECTED USING THE LIFTING INSERTS ONLY. THE MINIMUM SLING ANGLE FROM THE HORIZONTAL SHALL BE 60°. PRECAST UNITS SHALL BE STORED & TRANSPORTED WITH THEIR SUPPORTS (BE OR NOT POINTS, UNLESS APPROVED BY J.P. CARRARA & SONS, INC.).
7. MATERIAL SPECIFICATION AND MIX DESIGN SHALL CONFORM TO VERMONT SPEC. P540.02 AND P540.05 RESPECTIVELY.  
 DESIGN MIX: J.P.C. BRIDGE MIX #445MSCC  
 AIR 5% - 9%  
 SPREAD 20" - 28"  
 APPROVAL DATE FEBRUARY 22, 2017
8. QUALITY CONTROL PROCEDURES ARE IN ACCORDANCE WITH PCI REQUIREMENTS. J.P. CARRARA & SONS, INC. IS A PCI CERTIFIED PLANT.
9. CURING METHOD: AS SOON AS THE TOP OF PRECAST UNIT IS FINISHED, A COVER OF POLY WILL BE PLACED OVER THE PRECAST UNIT. NATURAL CURE WITH NO EXTERNAL HEAT APPLIED. AMBIENT ENCLOSURE TEMPERATURE SHALL BE MONITORED. IF APPLICABLE, UNITS SHALL NOT BE EXPOSED TO A TEMPERATURE DIFFERENTIAL GREATER THAN 40°F FOR LONGER THAN 30 MINUTES WHICH WILL BE NECESSARY TO REMOVE THE SURFACE RETARDER AND ACHIEVE THE DESIRED KEYWAY FINISH. UNITS SHALL NOT BE EXPOSED TO A TEMPERATURE LESS THAN 36°F UNTIL DESIGN STRENGTH IS ACHIEVED.
10. SHEAR KEY SURFACES SHALL BE ROUGHENED TO PROVIDE AN 1/8" AMPLITUDE EXPOSED AGGREGATE PROFILE. FABRICATOR MAY UTILIZE A SURFACE RETARDER WITH WATER BLAST, SAND BLAST, OR A COMBINATION OF BOTH TO ACHIEVE THE DESIRED SHEAR KEY SURFACE FINISH.



**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     APPROVED AS NOTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DID 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 THEIR WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING THEIR WORK IN A SAFE AND SATISFACTORY MANNER.

CLD Consulting Engineers  
 540 Commercial Street  
 Manchester, NH 03101  
 603-888-8223

Job Number: 14-0116  
 Reviewed by: AEG  
 Date: 3/16/17

**RECEIVED**

Vermont Agency of Transportation

C.R.D. BY CLD    O.K.D. BY WBP

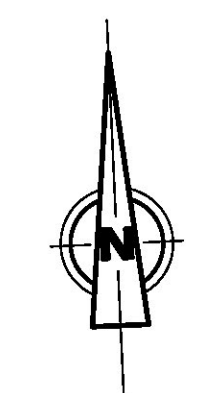
RESUBMIT NO.    Approved

BY WPELLETIER    DATE 03/16/2017

March 6, 2017

3-6-17 REVISED AS NOTED

APPROVAL STAMP:	<b>J.P. CARRARA &amp; SONS INC.</b> Precast & Prestress Manufacturer 2464 OUSE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010	<b>J.P. SICARD, INC.</b> CONTRACTOR BARTON, VERMONT
	<b>STATE OF VERMONT AGENCY OF TRANSPORTATION</b> COUNTY OF CALEDONIA	DATE: FEB. 6, 2017 SCALE: NOTED
	TOWN OF ST. JOHNSBURY VT ROUTE 2B, URBAN MINOR ARTERIAL BRIDGE NO.: 6 PROJECT NO.: BF 7000(20)	CHKD: M.W. DFTM: A.S. JOB NO: 23507-017
	<b>PRECAST FOOTINGS &amp; RAIL SUPPORT SLAB LAYOUT PLAN</b>	DWG. NO: <b>F1</b>



1 PRECAST FOOTINGS & RAIL SUPPORT SLAB LAYOUT PLAN  
3/8" = 1'-0"