

J. P. CARRARA & SONS, INC.
PRECAST/PRESTRESSED CONCRETE PRODUCTS

REQUEST FOR INFORMATION

TO: Artie St. Onge	FROM: Mike Davis / Mike Weigand
COMPANY: A.L. St. Onge Contractor	DATE: 5/19/16
FAX NUMBER: 802-326-4005	TOTAL NO. OF PAGES INCLUDING COVER: 2 plus Attachment
PHONE NUMBER: 802-326-4792	SENDER'S REFERENCE NUMBER: RFI #7-1
RE: Waitsfield BRF 013-4(39) - Bridge No. 177; VT 100 over Mad River Waitsfield, VT	

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY FOR YOUR USE

PLEASE PROVIDE AND/OR CLARIFY THE FOLLOWING:

RFI #7-1: Proposal to Field Drill Swedged Anchors

This is a confirming RFI, following up on the 5/16/16 pre-production meeting discussion regarding the placement, tolerance, and constructability of the swedged anchors for the girder sole plates in the precast concrete components.

At the request of A.L. St. Onge, J. P. Carrara & Sons, Inc. "JPC" proposes that the swedged anchors are field drilled and installed at Abutment #1 and #2. The means and methods of the field drilling, including the hole diameter and fastening material are proposed by A.L. St. Onge as follows:

Abutment #1:

Core drill 2 ½" diameter x 1'3" long hole and install 1 ½" diameter Swedged Anchors using SikaGrout 212 high performance cementitious grout in accordance with manufacturer's instructions.

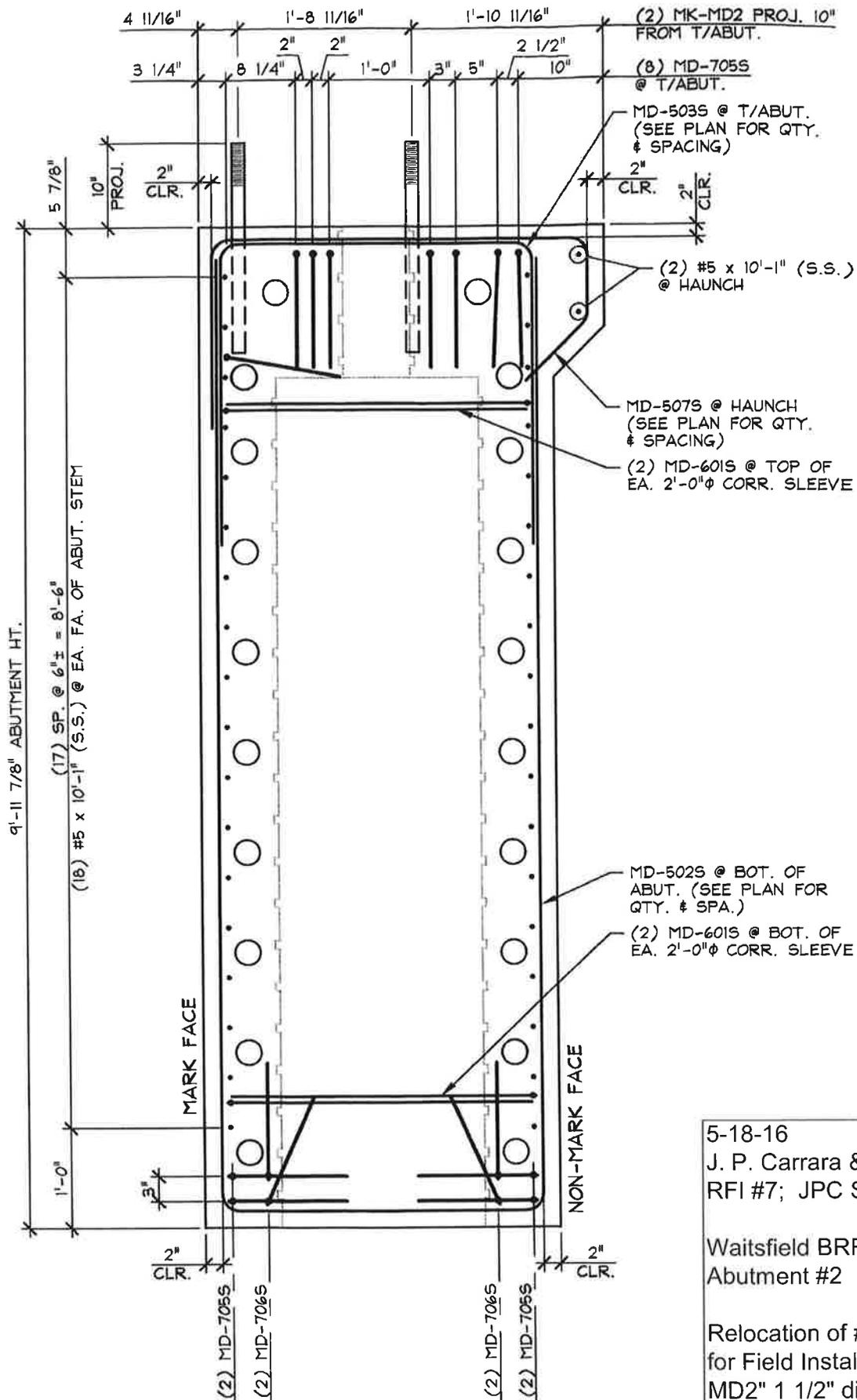
JPC shall mark the top surface of the precast footings at the locations where anchors shall be field drilled using the dimensions indicated in the approved as noted shop drawings. In the setup of the reinforcement prior to concrete placement, JPC shall make small shifts in reinforcement as may be possible to avoid those locations where field drilling shall be performed, however field drilling may cut reinforcement. An exception shall be hooked bars that project into the footing closure pour which shall be avoided.

Abutment #2:

Core drill 1 3/4" diameter x 1'3" long hole and install 1 1/2" diameter Swedged Anchors using Epcon Acrylic 7 adhesive anchoring system in accordance with manufacturer's instructions.

JPC shall mark the top surface of the precast pile caps at the locations where anchors shall be field drilled using the dimensions indicated in the approved as noted shop drawings. For pile caps, it is critical that field drilling avoid the location of post-tensioning and the (8) #7 continuous longitudinal bars in the top row of the units. To this end the #7 bars shall be located as shown on the attached JPC reinforcing schematic sketch, JPC sketch SK-1. JPC shall make small shifts in other reinforcement as may be possible to avoid the locations where field drilling shall be performed, however field drilling may cut the other reinforcement.

Please contact us at 802-388-6363 with any questions or to discuss.



REINFORCING PLACEMENT SCHEMATIC

5-18-16
 J. P. Carrara & Sons, Inc.
 RFI #7; JPC SK-1

Waitsfield BRF 013-4(39)
 Abutment #2

Relocation of #7 Bent Bars
 for Field Installation of "MK-
 MD2" 1 1/2" diameter
 Swedged Anchor Bolts, 1'3"
 max. embedment