



# SCHULTZ

June 3, 2014

State of Vermont Agency of Transportation  
Southwest Regional Construction Office  
61 Valley View  
Mendon, VT 05701

Attn: Chris Williams, P.E.

**Re: Rochester BRF 0162(16) & BRF 0162(17) & ER BRF 0162(18) & STP BRF 0162(19)  
Item 529.15 Removal of Structure – Demo Plan Bridge 15 & 16**

Dear Mr. Williams:

As has been discussed in conversation in the field, it is our intention to perform preparatory work and selective removals of these existing structures prior to the BCPs outlined in the project specifications. Due to this change in sequence below is the demolition sequence we plan to follow for each structure:

Bridge 15: Both of the southern wingwalls have potential conflicts with piles that can be installed prior to the BCP and therefore it is our intention to remove them in advance. Our intent is to set up a temporary lane closure and the approved truck detour, drill a vertical series of 1-1/2" to 2" diameter holes at 2ft on center, and break them off using either a rock splitter or hydraulic hammer. In removing the wingwalls we will also clear out and remove any large boulders or cobbles that may interfere with the piles. Prior to reopening the road, embankment material will be placed at a 1:1 slope coming off the road with stone fill placed on top to stabilize the slope and prevent scour. These two wingwalls are the only pieces of the structure we plan to remove in advance of the closure. However we do intend to predrill one horizontal row and four to five vertical rows of 1-1/2" to 2" holes at 2 ft on center in the northern wingwalls and abutments to allow break points for rock splitters and/or hydraulic hammers during the BCP. In preparation of the demolition of the complete structure during the BCP, we intend to setup concrete barrier parallel to the flow with steel road plates or crane mats on top of them prior to the BCP, these will prevent material from entering the stream below (a stream diversion plan will be submitted under separate cover for this setup).

Bridge 16: At this location we plan to remove all wingwalls in similar fashion to what is described above for Bridge 15. Our intent is to setup a temporary lane closure to push traffic to the opposite side from where the removal is occurring. As with bridge 15, we will drill a series of 1-1/2" to 2" diameter holes at 2ft on center and break off the wingwalls using either a rock splitter or a hydraulic hammer. We will then place embankment at a 1:1 slope coming off the road with stone fill placed on top to stabilize the slope and prevent scour. Once both wingwalls are removed on one side the traffic pattern will be flipped and the other side will be removed using the same means and methods. Again, as with bridge 15, we will then predrill one

horizontal row and four to five vertical rows of 1-1/2" to 2" holes at 2ft on center in the abutments to allow break points for rock splitters and/or hydraulic hammers during the BCP. Finally, we will setup concrete barrier parallel to the flow with steel road plates or crane mats on top of them prior to the BCP, these will prevent material from entering the stream below (a stream diversion plan will be submitted under separate cover for this setup).

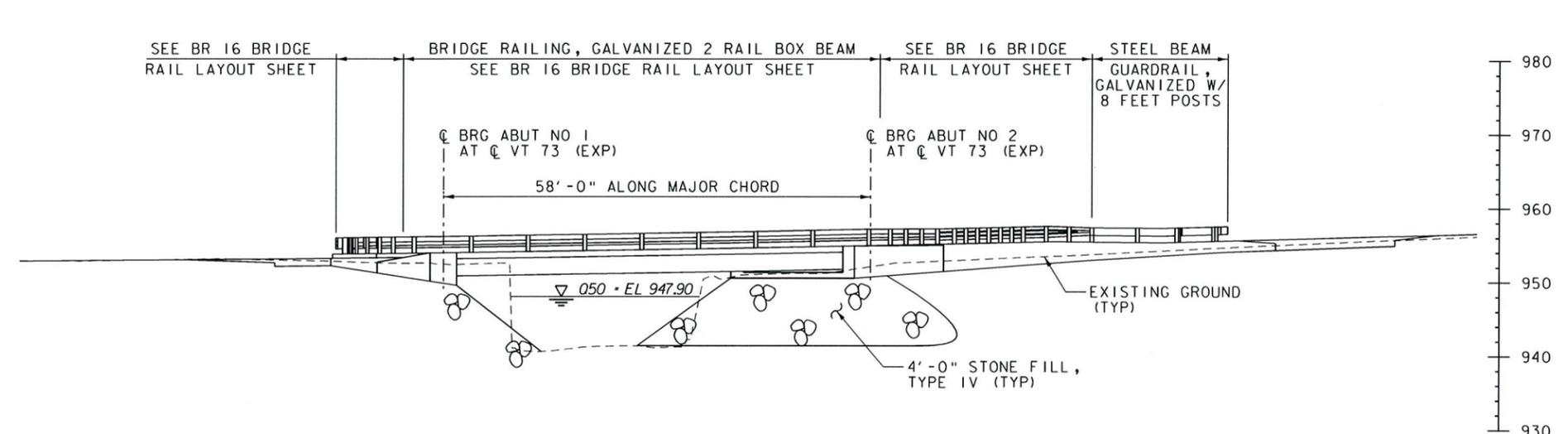
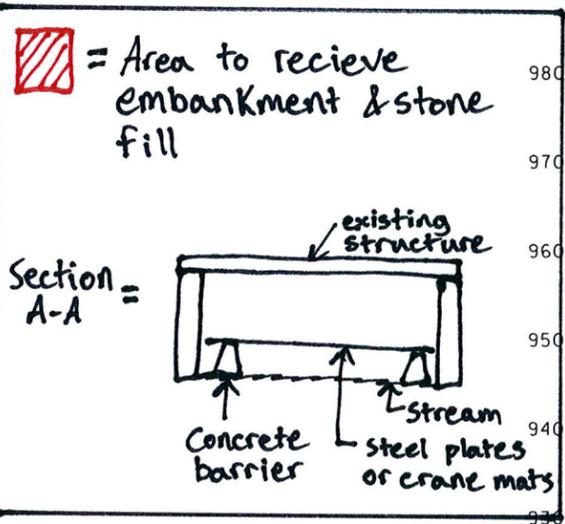
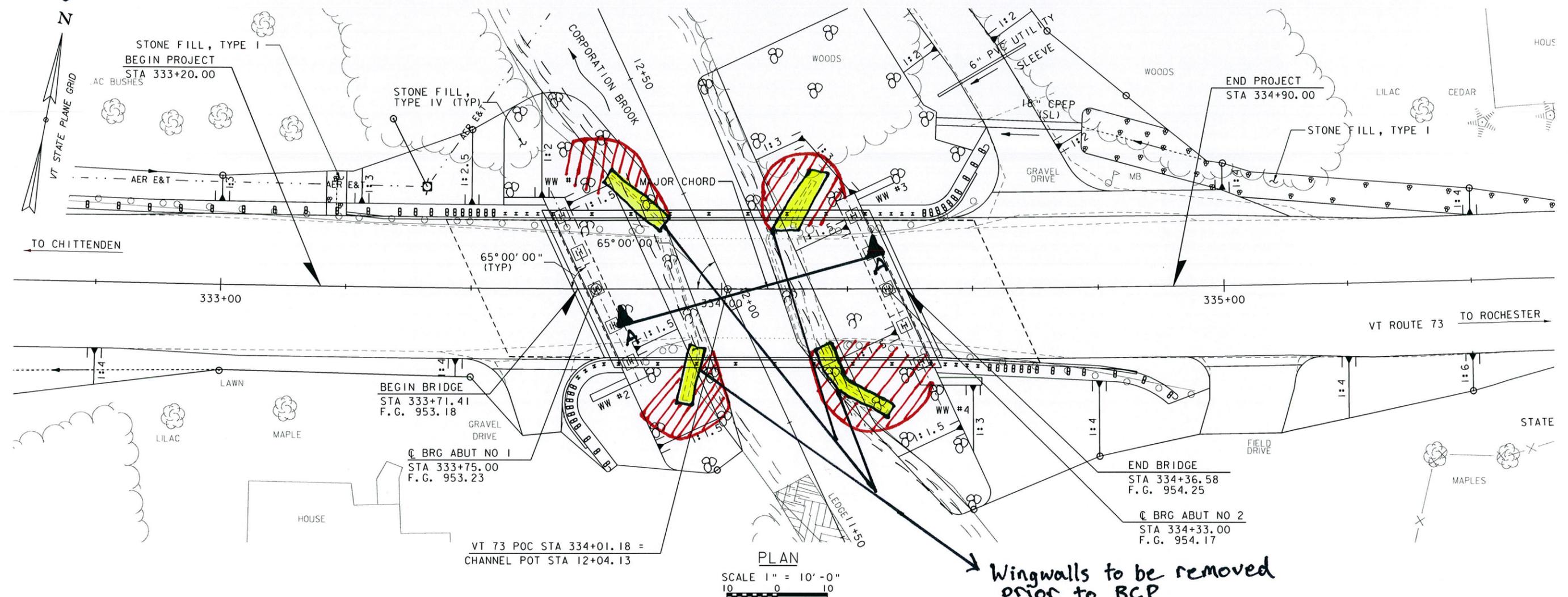
Attached hereto are some marked up plan sheets for each of these structures highlighting portions of what is described above. Please review this plan and contact me should you have any questions. Thank you.

Very Truly Yours,  
WM Schultz Construction, Inc.

A handwritten signature in black ink, appearing to read "Rob Hinman".

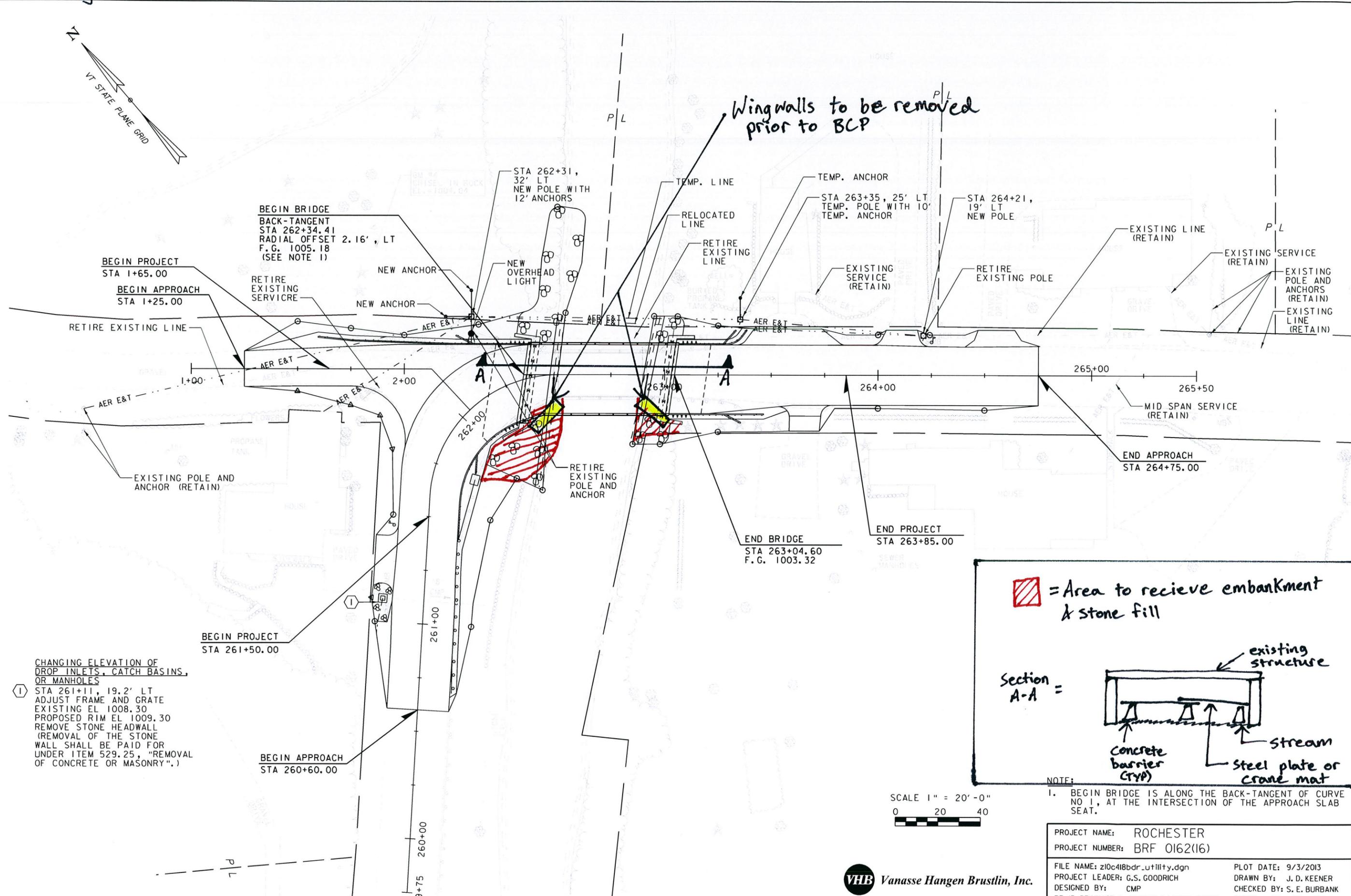
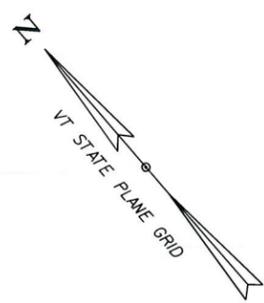
Rob Hinman, on behalf of  
Kevin Ture, Project Manager

Bridge 10

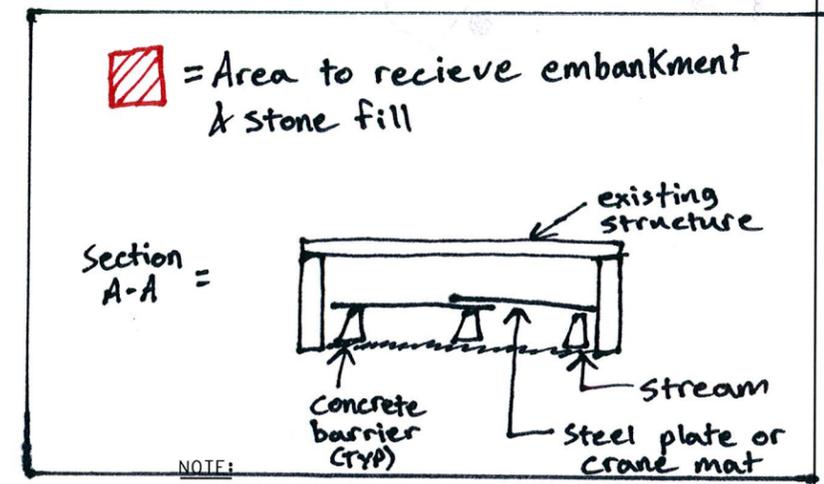


PROJECT NAME:	ROCHESTER	PLOT DATE:	9/3/2013
PROJECT NUMBER:	BRF 0162(17)	DRAWN BY:	E.A. FIALA
FILE NAME:	z85e035pe.dgn	DESIGNED BY:	G.S. GOODRICH
PROJECT LEADER:	G.S. GOODRICH	CHECKED BY:	S.E. BURBANK
BR 16 PLAN AND ELEVATION (BRIDGE)		SHEET 146 OF 238	





CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES  
 STA 261+11, 19.2' LT  
 ADJUST FRAME AND GRATE  
 EXISTING EL 1008.30  
 PROPOSED RIM EL 1009.30  
 REMOVE STONE HEADWALL  
 (REMOVAL OF THE STONE WALL SHALL BE PAID FOR UNDER ITEM 529.25, "REMOVAL OF CONCRETE OR MASONRY".)



SCALE 1" = 20'-0"  
 0 20 40



PROJECT NAME: ROCHESTER	PLOT DATE: 9/3/2013
PROJECT NUMBER: BRF 0162(16)	DRAWN BY: J. D. KEENER
FILE NAME: z10c418bdr_utility.dgn	CHECKED BY: S. E. BURBANK
PROJECT LEADER: G.S. GOODRICH	DESIGNED BY: CMP
BR 15 DRAINAGE & UTILITY LAYOUT SHEET	SHEET 78 OF 238