



*Engineers Construction, Inc.*

April, 3, 1013 (rev June 25, 2013)

Attn: Scott Wheatley  
Vermont Agency of Transportation  
Construction Section

RE: Highgate STP 0297 / Traffic Control Plan

Dear Scott Wheatley,

During construction of the Highgate STP 0297 (8) project there will be four distinct Traffic Control plans:

- Plan A - will provide warning to the traveling public of a Construction Work Area with the potential for Entering Trucks.
- Plan B) will warn motorists of a road closure.
- Plan C – will supplement Plan A warning motorist that pavement ends
- Plan D – will supplement Plan A warning motorist of one way traffic and the presence of a flagger

#### Plan A

During Plan A construction activities will consist of work setting up the staging areas and work under the bridge. There will be no construction activities in the roadway. During Plan A, work on the Construction Site will be off the traveled portion of the roadway. ECI will erect permanent signage per VT Agency of Transportation Standard E-100.

#### Plan B

Construction activities during plan B will include a scheduled Road Closure. Activities during this time period will be, excavation of the bridge approach to install drainage and improve sub-base materials. This work will require a Detour.

For traffic that would like to travel North over the Rt. 207 bridge, the Detour route will begin in St Albans at the intersections of Rt. 7 and Rt. 207. Traffic will be warned that the 207 Bridge is closed and will be directed North on Rt. 7 to Swanton Village. From Swanton Village traffic will be routed East along Rt. 78 to the Village of Highgate where the detour will end.

For traffic that would like to travel South over the Rt. 207 bridge, the Detour route will begin in Highgate on Route 78 just east of the intersections of Rt. 78 and Rt. 207. Traffic will be informed the Bridge along Rt 78 is closed and will be directed West on Rt. 78 to the village of Swanton. In Swanton traffic will be directed South on Rt. 7 to St Albans where the detour will end.

During the Road Closure Type Three Barricades will be placed across Rt 207 on both sides of the Bridge.

*P.O. Box 2187, South Burlington, VT 05407*  
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During Plan B a Detour will need to be implemented the following signs will be installed:

At the intersections of RT 207 and RT 7 (St Albans)

"Detour" "North" "Vermont 207" "Arrow sign pointed Up (North)" facing South  
"Road Closed 6.8 Miles Ahead Local Traffic Only" facing South  
"End Detour" "Vermont 207" facing North

At the intersections of the off ramp from I-89 and RT 207 (St Albans)

Portable Changeable Message Sign facing South  
VT 207 Bridge Closed First Screen  
To Thru Traffic Second Screen  
MMMM DD – MMMM DD Third Screen

To be placed a minimum of two week before road closure.

At the intersections of Rt 78 and Rt 7 in Swanton Village

"Detour" "Vermont 207" "Arrow (pointing East along Rt 78)" facing South  
"Detour" "Vermont 207" "Arrow (pointing South along Rt 7)" facing East

At the intersections of the Off Ramp from I-89 and Rt 78 (Swanton)

Portable Changeable Message Sign facing South  
VT 207 Bridge Closed First Screen  
To Thru Traffic Second Screen  
MMMM DD – MMMM DD Third Screen

At the intersections of Rt. 78 and Rt. 207 (Highgate)

"Detour" "South" " Vermont 207" "Arrow sign pointed up (South)" facing East  
"End Detour" facing West.  
"Road Closed 1000 feet Ahead Local Traffic Only"

At the intersections of Rt 207 and Rd 78 (Highgate)

Portable Changeable Message Sign facing East  
VT 207 Bridge Closed First Screen  
To Thru Traffic Second Screen  
MMMM DD – MMMM DD Third Screen

The total length of the detour is approximately 10.75 miles. The 4 signs will be installed halfway on the Rout 7 leg (2 ea) and half way of the Rout 78 leg 2 ea

"Detour" "Vermont 207" "Arrow Sign Up"

One sign for each lane of Rt. 7 and Rt. 207

## Plan C

Plan C will be in effect during times when pavement has been removed. During these times there may be one way traffic.

Plan A signage will remain in place.

During times when the pavement has been removed added signage will be erected warning the public that the pavement ends. Six additional signs will be posted on temporary easels. Plan C signs will be placed on each side of the work area. This condition is expected to last for less than 48 hrs.

2 ea	Reduce Speed Ahead	VC-002
2 ea	Motorcycles Use Caution	VC - 004
2 ea	Pavement Ends	W8-3

## Plan D

During times when there will only be one way traffic ECI will post:

Plan A signage will remain in Place.

Four additional signs will be placed on each side of the work area:

2 ea	Flagger Symbol	W20-7a
2 ea	One Lane Road Ahead	W20-4

The conditions when traffic has been reduced to one lane will be minimal and the duration of each lane closure will last for approximately one day.

See attached:

- Plan A Detail
- Plan B Detail (revised sheet 10 of 20 Highgate STP 0297 (8))
- Plan C Detail
- Plan D Detail

If you have any questions regarding this traffic plan please feel free to contact me at 802-264-2278.

Sincerely

*Chris Belanger*

Chris Belanger  
Project Manager

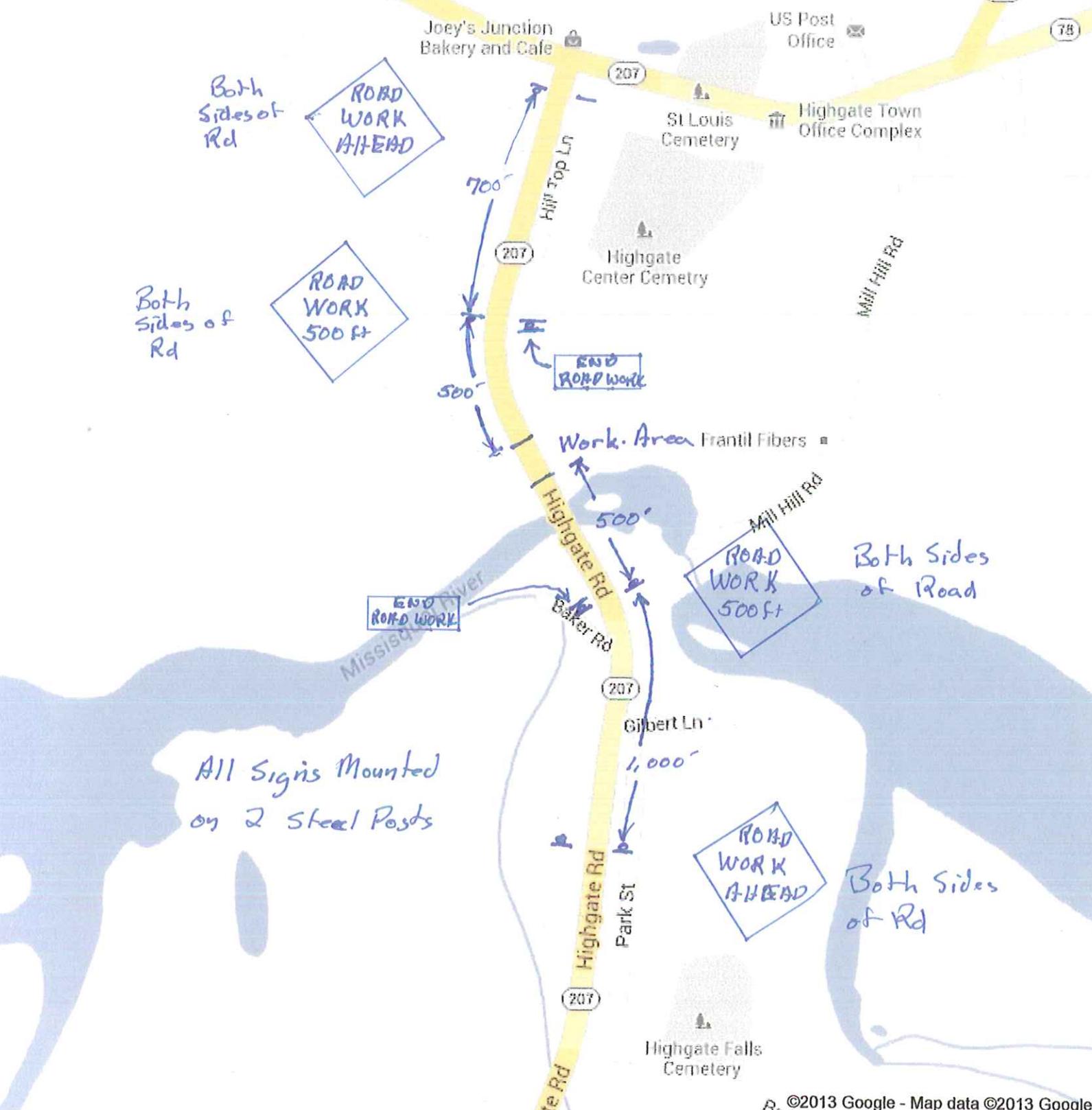


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General note, all layouts: There are a lot of existing signs, especially on the SB approach. How do the temporary signs fit in with the existing (maintain proper spacing). TTC layout should show all existing signs in relation to temporary signs. Drives and intersections should also be shown in relation to sign placement. NB approach signs could be affected by multiple drives and intersections.

Plan A

D  
Septic



Plan C (Temporary)  
Pavement Ends

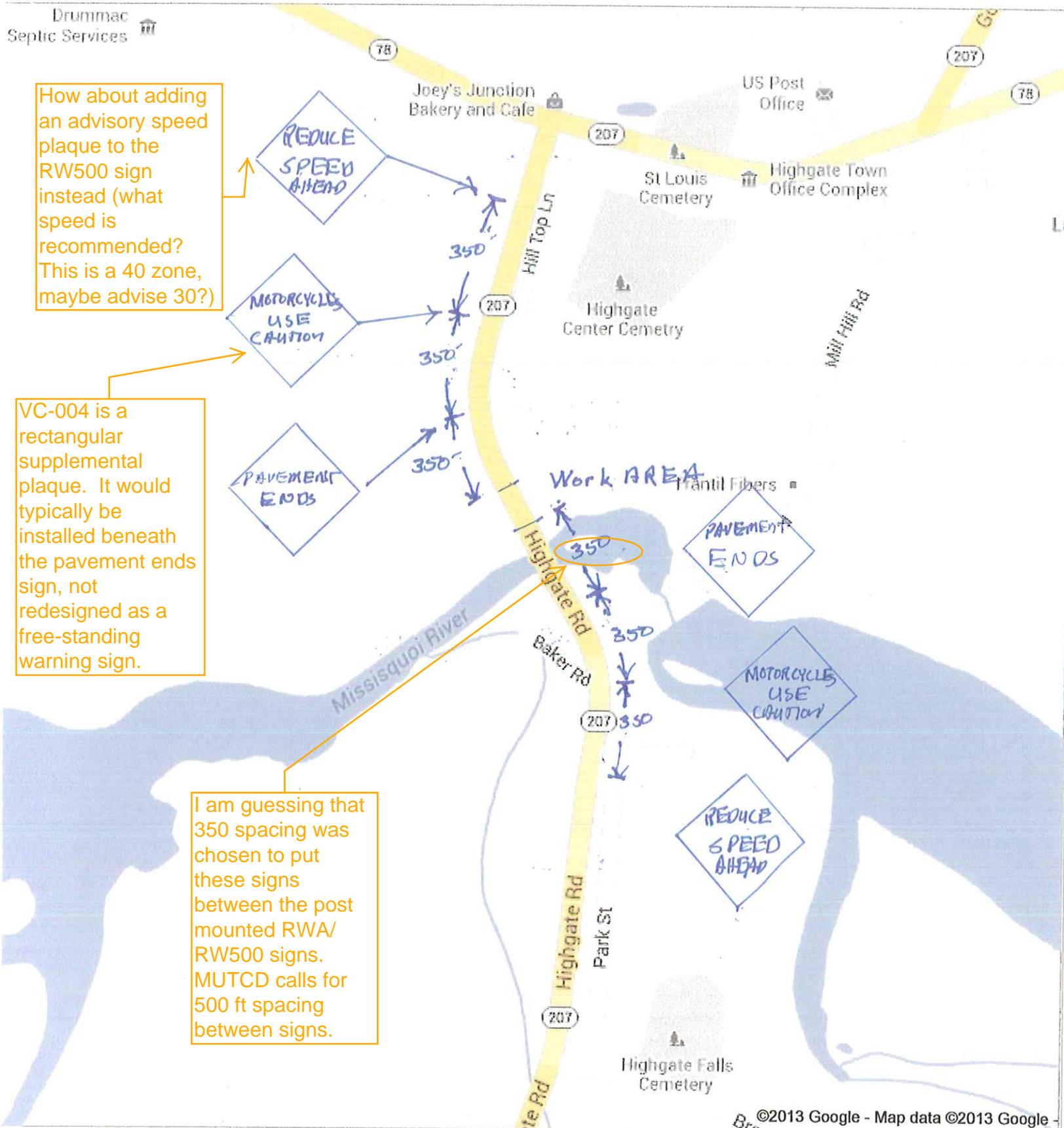


Drummac  
Septic Services

How about adding an advisory speed plaque to the RW500 sign instead (what speed is recommended? This is a 40 zone, maybe advise 30?)

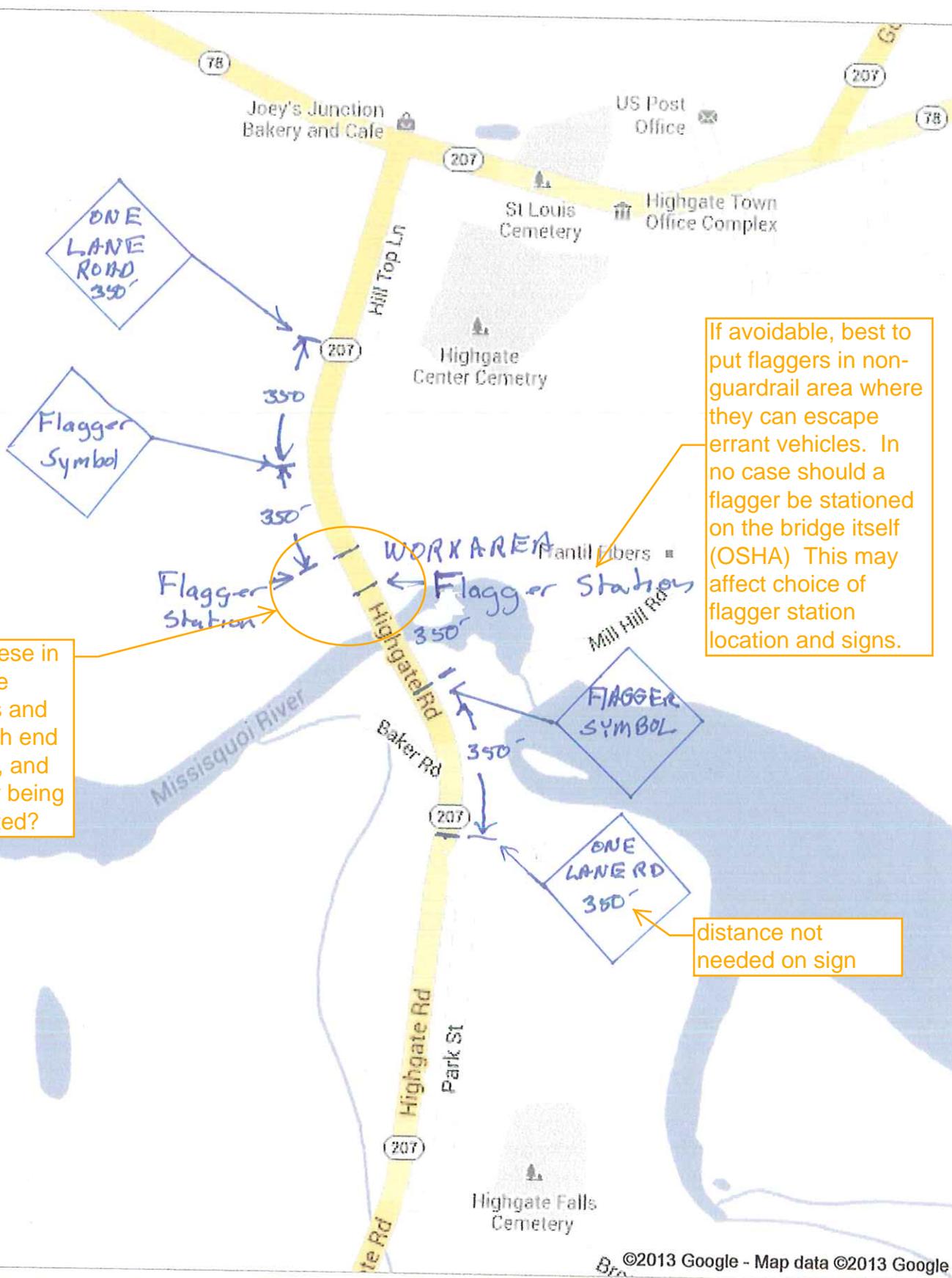
VC-004 is a rectangular supplemental plaque. It would typically be installed beneath the pavement ends sign, not redesigned as a free-standing warning sign.

I am guessing that 350 spacing was chosen to put these signs between the post mounted RWA/ RW500 signs. MUTCD calls for 500 ft spacing between signs.



Plan D (Temporary One Lane Rd Ahead)

Drummac Septic Services

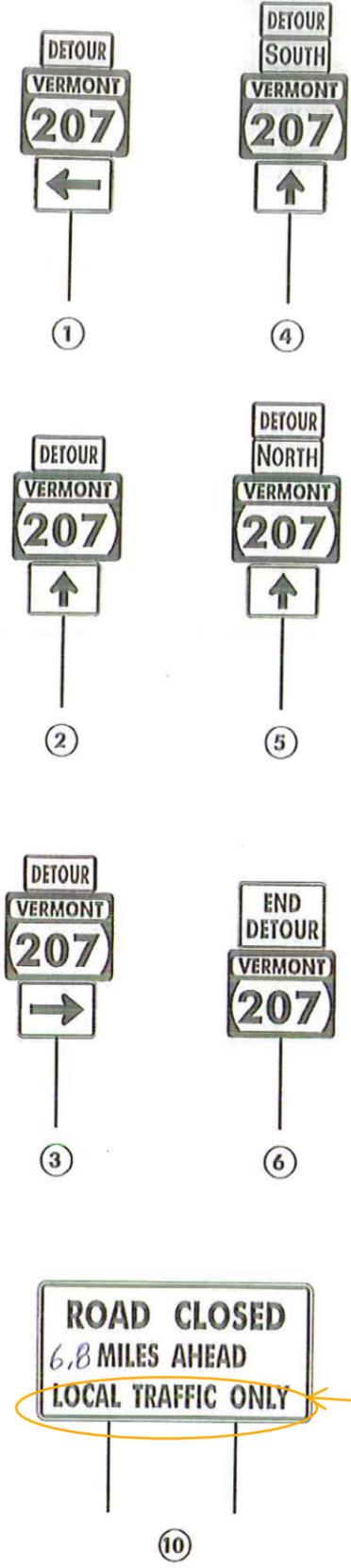


If avoidable, best to put flaggers in non-guardrail area where they can escape errant vehicles. In no case should a flagger be stationed on the bridge itself (OSHA) This may affect choice of flagger station location and signs.

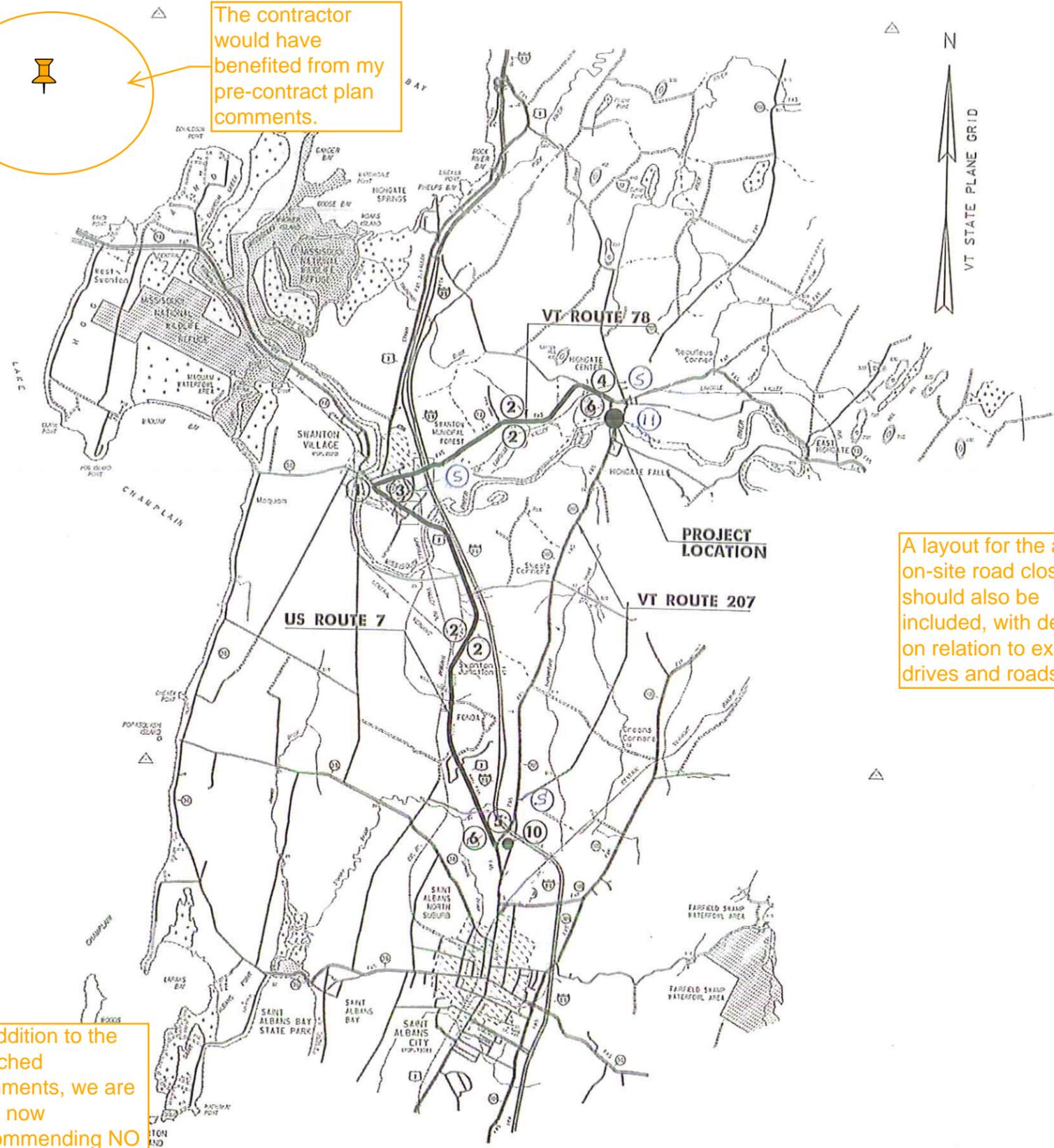
where are these in relation to the private roads and drives at each end of the bridge, and how are they being accommodated?

distance not needed on sign

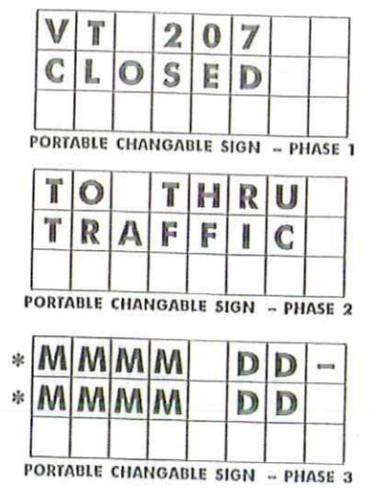
NOTES: **Plan B - Detour**  
 THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE FULLY OPERATIONAL A MINIMUM OF TWO WEEKS PRIOR TO THE CLOSURE OF VT 207.



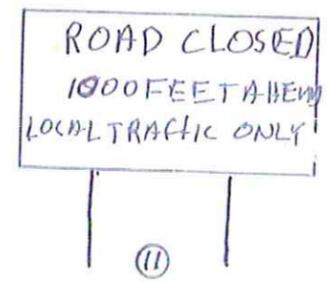
The contractor would have benefited from my pre-contract plan comments.



A layout for the actual on-site road closure should also be included, with details on relation to existing drives and roads.



M=MONTH  
 D=DAY  
 (S)



Traffic Control  
 Plan B (Detour)

in addition to the attached comments, we are also now recommending NO THRU TRAFFIC instead of LOCAL TRAFFIC ONLY

DETOUR PLAN  
 NOT TO SCALE

PROJECT NAME: HIGHGATE	PLOT DATE: 24-JAN-2013
PROJECT NUMBER: STP 0297(8)	DRAWN BY: J. SALVATORI
FILE NAME: i0c218/str/s10c128bdr.dgn	CHECKED BY: W. LAMMER
DESIGNED BY: J. SALVATORI	SHEET 10 OF 20
DETOUR PLAN	