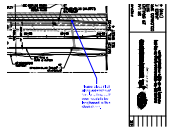


ENG-CDR20005-R9-CDs-Vollmer.pdf Markup Summary

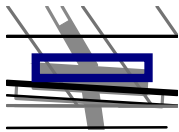
3 (2)



Subject: Callout
Page Index: 3
Date: 12/18/2021 3:54:50 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 Vollmer Road (south) Interim Sta 23+50 to 33+00 ultimate

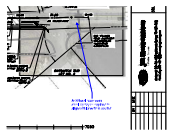
Please place inlet along extension of turn lane in case it ever needs to be lengthened, with a short chase.

Right turn lane extended to end of inlet



Subject: Rectangle
Page Index: 3
Date: 12/18/2021 3:55:38 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 Vollmer Road (south) Interim Sta 23+50 to 33+00 ultimate

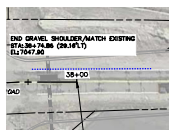
4 (7)



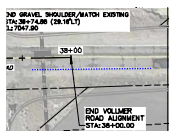
Subject: Callout
Page Index: 4
Date: 12/18/2021 3:32:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer

Additional pavement shoulder taper required to align with lane from south?

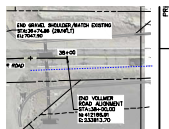
The existing lanes entering the intersection remain the same, so no shoulder should be necessary.



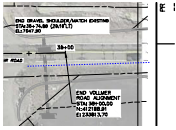
Subject: Arrow
Page Index: 4
Date: 12/18/2021 3:32:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer



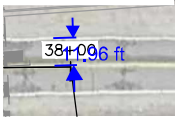
Subject: Arrow
Page Index: 4
Date: 12/18/2021 3:32:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer



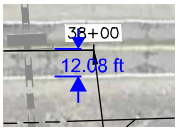
Subject: Arrow
Page Index: 4
Date: 12/18/2021 3:32:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer



Subject: Arrow
Page Index: 4
Date: 12/18/2021 3:32:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer

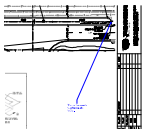


Subject: Length Measurement 11.96 ft
Page Index: 4
Date: 12/18/2021 3:33:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer



Subject: Length Measurement 12.08 ft
Page Index: 4
Date: 12/18/2021 3:33:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 S112 Vollmer

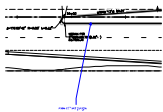
5 (4)



Subject: Callout
Page Index: 5
Date: 12/18/2021 2:34:12 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 Temporary Vollmer Road (South)

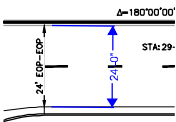
The median needs to extend north further.

The future median now extends a few hundred feet north until it reaches 4' width. Only a small portion of the median is built in this phase; the rest of the ultimate median will be built in the Vollmer Barbarick phase.

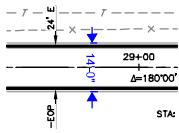


Subject: Callout
Page Index: 5
Date: 12/18/2021 3:34:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 Temporary Vollmer Road (South)

see other page



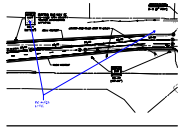
Subject: Length Measurement 24'-0"
Page Index: 5
Date: 12/18/2021 3:35:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 Temporary Vollmer Road (South)



Subject: Length Measurement
Page Index: 5
Date: 12/18/2021 3:35:42 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 Temporary Vollmer Road (South)

14'-0"

6 (19)



Subject: Callout
Page Index: 6
Date: 12/18/2021 2:47:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

move sign north?

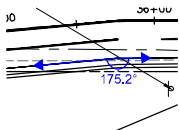
Proposed speed limit sign location has been moved north closer to the Lochwinnoch intersection. It's worth nothing that the previous note stating an existing speed limit sign could be reused has been removed since the existing limit is 45 mph.



Subject:
Page Index: 6
Date: 12/18/2021 2:49:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

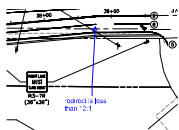
20.4:1

Subject: Highlight
Page Index: 6
Date: 12/18/2021 2:49:45 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



Subject: Angle Measurement
Page Index: 6
Date: 12/18/2021 2:58:17 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

175.2°



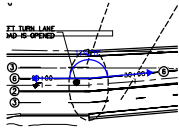
Subject: Callout
Page Index: 6
Date: 12/18/2021 2:59:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

redirect is less than 12:1

Through lane redirect is now 20:1

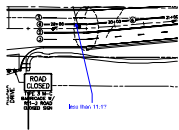


Subject: Arrow
Page Index: 6
Date: 12/18/2021 4:03:05 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



Subject: Angle Measurement
Page Index: 6
Date: 12/18/2021 3:01:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

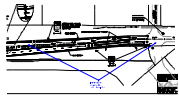
174.76°



Subject: Callout
Page Index: 6
Date: 12/18/2021 3:02:55 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

less than 11:1?

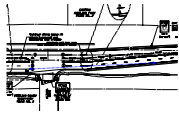
This particular redirect PI point is gone. The left turn decel taper now occurs along straight alignment.



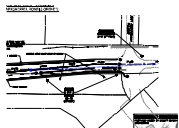
Subject: Callout
Page Index: 6
Date: 12/18/2021 3:40:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

This is about where a 20:1 redirect would be

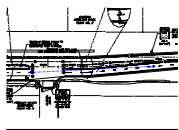
Through lane redirect is now 20:1. The taper was shifted south so NB vehicles will be realigned before the Lochwinnoch intersection.



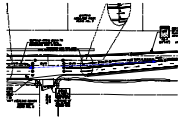
Subject: Arrow
Page Index: 6
Date: 12/18/2021 3:09:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



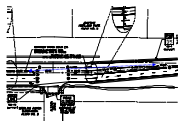
Subject: Arrow
Page Index: 6
Date: 12/18/2021 3:12:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



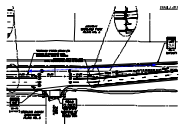
Subject: Arrow
Page Index: 6
Date: 12/18/2021 3:11:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



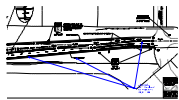
Subject: Arrow
Page Index: 6
Date: 12/18/2021 3:11:52 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



Subject: Arrow
Page Index: 6
Date: 12/18/2021 3:17:41 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



Subject: Arrow
Page Index: 6
Date: 12/18/2021 3:17:27 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)



Subject: Callout
Page Index: 6
Date: 12/18/2021 3:40:03 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

redirect ratios need to be at least 20:1 for 40 MPH design speed

Through lane redirect is now 20:1



Subject:
Page Index: 6
Date: 12/18/2021 3:43:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

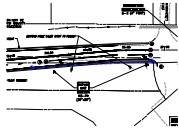
fix name



Subject: Callout
Page Index: 6
Date: 12/18/2021 3:43:49 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

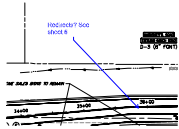
fix name

Road sign names have been fixed.



Subject: Arrow
Page Index: 6
Date: 12/18/2021 4:04:27 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 Interim Vollmer Road (South)

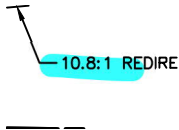
7 (16)



Subject: Callout
Page Index: 7
Date: 12/18/2021 3:31:03 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

Redirects? See sheet 6

Through lane redirect is now 20:1 and begins further to the south.



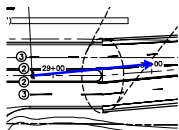
Subject:
Page Index: 7
Date: 12/18/2021 2:35:42 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In



Subject: Callout
Page Index: 7
Date: 12/18/2021 3:30:14 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

Add median signage including no U-turn, one-way....

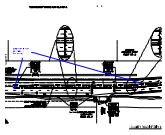
The following signs have been added:
-No left turn (R3-2L) for SB traffic on Vollmer at the Alzada intersection
-No left turn (R3-2L) for WBR traffic out of Alzada
-One way (R6-1R) for Alzada outbound traffic
-No U-turn (R3-4) sign at south end of median for southbound traffic on Vollmer



Subject: Arrow
Page Index: 7
Date: 12/18/2021 3:29:54 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

move

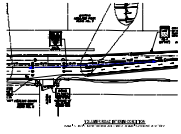
R4-7R sign has been moved but not as directed. The sign is now at the north end of the interim raised median.



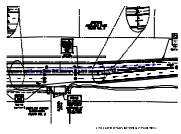
Subject: Callout
Page Index: 7
Date: 12/18/2021 3:38:55 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

Shift curb 1' over and taper at beginning

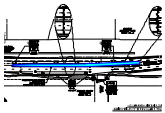
Curb has not been shifted, as it is in the ultimate location. The median has only been built where it fits with the new longer taper.



Subject: Arrow
Page Index: 7
Date: 12/18/2021 3:28:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

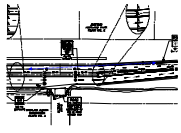


Subject: Arrow
Page Index: 7
Date: 12/18/2021 3:26:46 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

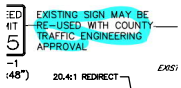


Subject: Area Measurement
Page Index: 7
Date: 12/18/2021 3:38:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

7,078.44 sf



Subject: Arrow
Page Index: 7
Date: 12/18/2021 3:27:20 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In



Subject:
Page Index: 7
Date: 12/18/2021 3:41:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

EXISTING SIGN MAY BE RE-USED WITH COUNTY TRAFFIC ENGINEERING APPROVAL
 20.4.1 REDIRECT EXIST

20.4: 1

Subject: Highlight
Page Index: 7
Date: 12/18/2021 3:41:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

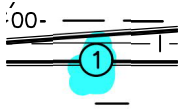


Subject: Callout
Page Index: 7
Date: 12/18/2021 3:42:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

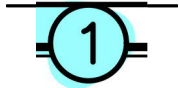
Cara Dawn View (existing sign)?

There is no sign for Cara Dawn View as of 8/2021 per Google street view.

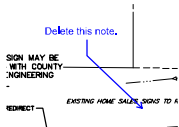
Can add note if positive the sign exists now.



Subject:
Page Index: 7
Date: 12/18/2021 3:45:19 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In



Subject: Snapshot
Page Index: 7
Date: 12/18/2021 3:46:00 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In



Subject: Callout
Page Index: 7
Date: 12/18/2021 3:49:44 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In

Delete this note.

Note has been deleted.



Subject:
Page Index: 7
Date: 12/18/2021 3:49:49 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 Vollmer Southern Tie-In