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April 16, 2015

To: Stacey St Onge  
Manager

- A. L. St. Onge

From: Patrick Kertes  
Project Manager

- Casco Bay Steel Structures, Inc.

**Subject: CBSS-RFI-629-01**

Project: Colchester, VT, Project No. STP 5600 (12)  
Structures: TH 27 (Urban Collector), Bridge No. 12

Subject: CBSS-RFI-629-01

**RFI Information:**

- Please clarify or answer questions 1-3 attached with SK1.

TH27 (URBAN COLLECTOR) - BRIDGE NO. 12  
TOWN OF COLCHESTER, COUNTY OF CHITTENDEN  
STATE OF VERMONT

1 - DRAWING NO. 23 OF 53:

Considering bearing seat elevation (drawings 30 & 31 of 53), bearing height (drawings 27 & 28 of 53), girder sections (drawing 25 of 53), road profile (drawing 13 of 53) and deck cross-section (drawing 23 of 53), we obtain these haunches:

7 5/16" at girder #1

7 5/8" at girder #2

7 7/8" at girder #3

8 3/16" at girder #4.

Please confirm these values.

2 - DRAWING NO. 25 OF 53:

When using the  $R = 355'$  for CL Mill Pond Road and girder distance from CL (2'-0 1/2" for girder #2 and 7'-7 1/2" for girder #3), we obtain slightly different values for radius and length in the girder dimension table:

GIRDER	RADIUS	LENGTH
#1	323.292'	69'-0 5/8"p
#2	332.958'	71'-0 7/8"
#3	342.625'	73'-1 1/8"
#4	352.292'	75'-1 3/8"

Please confirm these values.

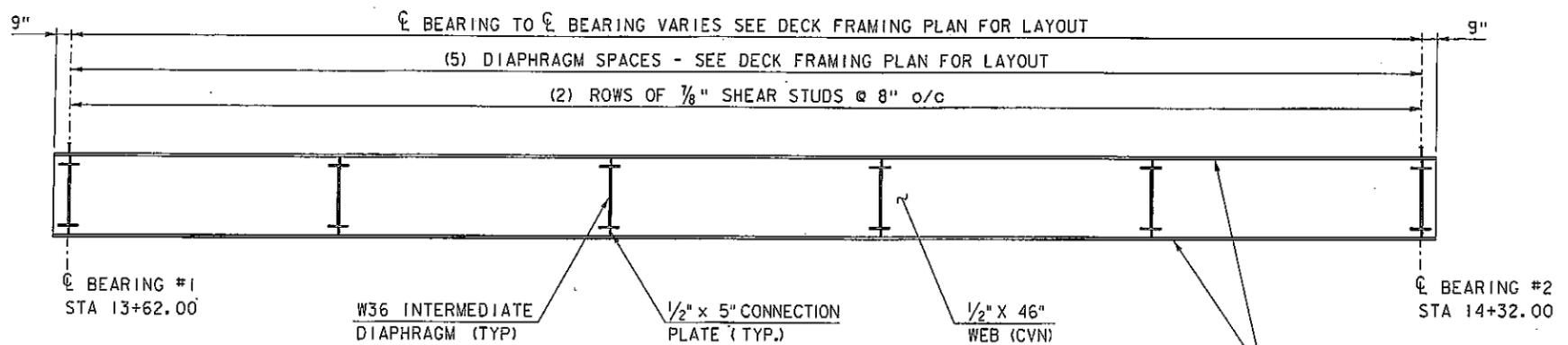
3 - DRAWING NO. 25 OF 53: (SEE SK1)

Please confirm the diaphragm orientation:

Diaphragm at bearing #1: upstation of bearing stiffener.

Intermediate diaphragm: upstation of intermediate stiffener.

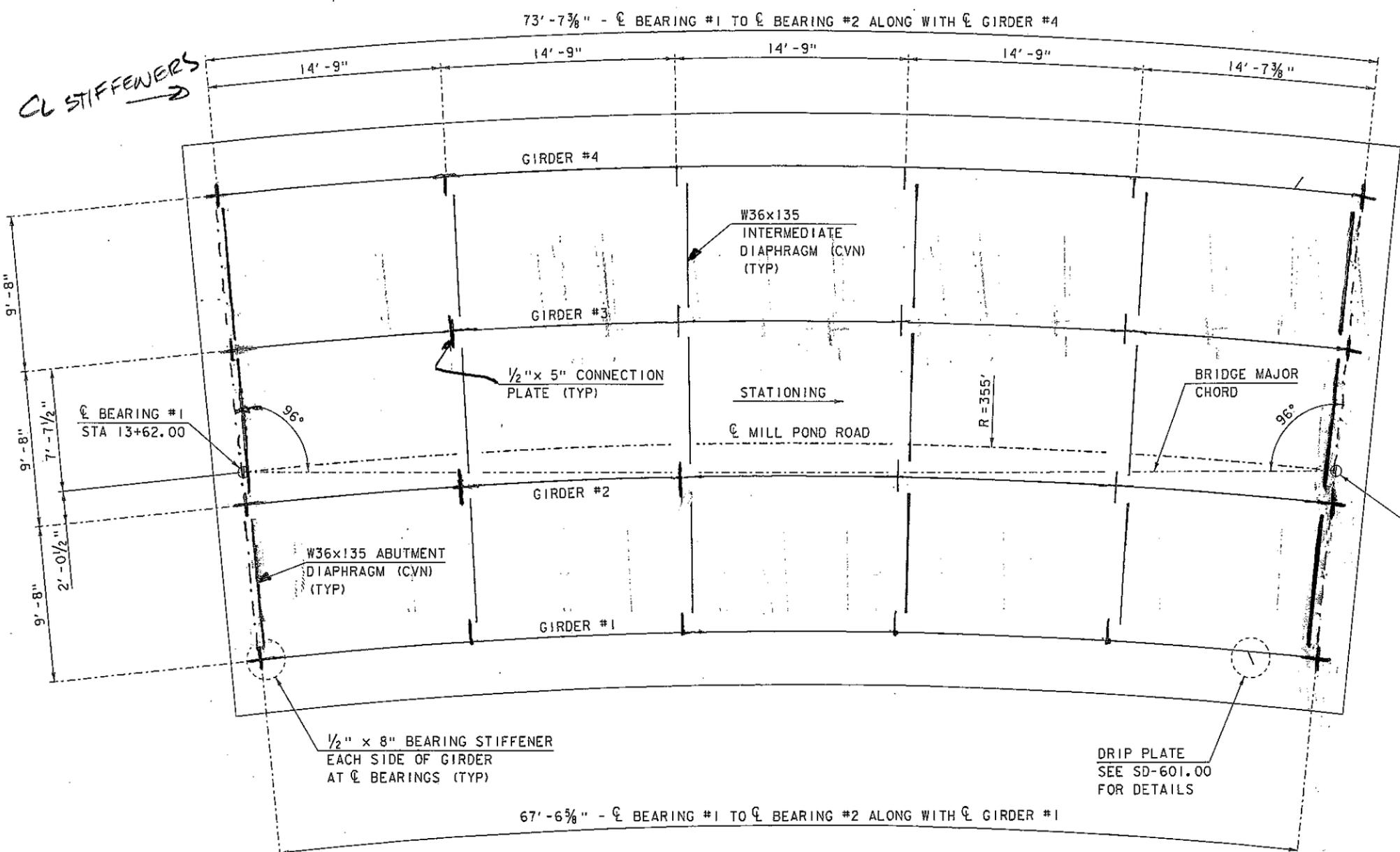
Diaphragm at bearing #2: downstation of bearing stiffener.



**GIRDER ELEVATION**  
 SCALE  $\frac{1}{4}$ " = 1'-0" (HORIZONTAL & VERTICAL)

18" WIDE TOP FLANGE  
 18" WIDE BOTTOM FLANGE (CVN)  
 (SEE TABLE ON THIS SHEET FOR FLANGE THICKNESS)

GIRDER DIMENSION TABLE				
GIRDER	RADIUS	(LENGTH)	TOP FLANGE PLATE THICKNESS	BOTTOM FLANGE PLATE THICKNESS
#1	323.284'	69'-05/8"	7/8"	7/8"
#2	332.950'	71'-13/16"	7/8"	7/8"
#3	342.617'	73'-13/16"	7/8"	1 1/4"
#4	352.284'	75'-17/16"	7/8"	1 1/4"



**DECK FRAMING PLAN**  
 SCALE  $\frac{1}{4}$ " = 1'-0"

SK1

NOTE:  
 CVN - SHALL MEET CHARPY V-NOTCH REQUIREMENTS FOR MAIN MEMBERS AS INDICATED IN SECTION 714 OF THE STANDARD SPECIFICATION

PROJECT NAME: COLCHESTER	PLOT DATE: 12-JAN-2015
PROJECT NUMBER: STP 5600 (12)	DRAWN BY: D. KARABEGOVIĆ
FILE NAME: s95j298sup.dgn	CHECKED BY: M. LONGSTREET
DESIGNED BY: N. VANDENBERG	SHEET 25 OF 53
DECK FRAMING PLAN	