



- DIAPHRAGM NOTES**
- MAT'L IS A709 GR50W
  - BOLTS ARE 7/8" ASTM A325 TYPE 3
  - HOLES ARE 15/16"

**\*\* NOTE \*\***  
 THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS IMG IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION.

- NOTES**
1. LONGITUDINAL DIMENSIONS ARE SLOPING ALONG BOTM OF WEB WITH CORRECTIONS MADE FOR VERTICAL CURVE, GRADE & DL CAMBER (UN).
  2. TRANSVERSE DIMENSIONS ARE IN A HORIZ. PLANE (UN).
  3. DROP ARROW POINTS TOWARDS LOW END OF MEMBER.
  4. ENDS OF GIRDERS AND BRG. STIFF'S ARE VERTICAL AFTER DL ROTATION.
  5. DIAPH STIFF ARE NORMAL TO GRADE.
  6. BOTM PT NUMBERS = TOP PT NUMBERS + 500.
  7. DIAPH DROPS ARE CALCULATED IN THEIR FINAL POSITION.

| REV.   | DATE | REMARKS                | DWN                  | CHK         | APVL        | SHOP |
|--|------|------------------------|----------------------|-------------|-------------|------|
| 0  |      |                        |                      |             |             |      |
| MATERIAL:                                    |      | SURFACE PREP. & PAINT: | HOLES:               |             | SHOP BOLTS: |      |
|  |      |                        | AS NOTED             |             | AS NOTED    |      |
| DESCRIPTION: CALCULATION PLAN & LAYOUT       |      |                        |                      |             |             |      |
| CASCO BAY STEEL STRUCTURES, INC.             |      |                        |                      |             |             |      |
| 1 WALLACE AVE.                               |      |                        | PHONE (207) 780-6722 |             |             |      |
| SOUTH PORTLAND, ME 04106                     |      |                        | FAX (207) 780-6726   |             |             |      |
| STRUCTURE: VT RTE 131 OVER TWENTYMILE STREAM |      | DRAWN: SOB             |                      | DATE: 09/13 |             |      |
| HINDSOR COUNTY                               |      | CHKD: RLA              |                      | DATE: 10/03 |             |      |
| VERMONT AGENCY OF TRANSPORTATION             |      |                        |                      |             |             |      |
| LOCATION: CAVENDISH, VERMONT                 |      | JOB NO. 541            |                      | DWG NO. WS1 |             |      |
| PROJ NO. ER BRG 0146(13)                     |      |                        |                      |             |             |      |
| CUSTOMER: COLD RIVER BRIDGES, LLC            |      |                        |                      | REV.        |             |      |