



**REVIEW NOTES**  
**MIDDLEBURY RS 0174(8) - SAND HILL BRIDGE**  
**WATERLINE SHOP AND FABRICATION DRAWINGS**  
**March 27, 2014**

**RE:** Waterline Shop and Fabrication Drawings received from T Buck on 3/19/2014.

**VHB Project No.:** 57438.00

*These notes accompany the review of the Waterline Shop and Fabrication Drawings reviewed by VHB on 3/27/2014.*

**General Notes**

1. Contractor is to cut and cap the existing water main in the region of 138+25 after (uphill of) the fire hydrant branch connection. Contractor is warned to take caution working with and around existing pipe.
2. Per the notes listed on waterline details sheet 1 of 2, extend the mechanical joints and engage restraints prior to pressurizing the water main.

**Material Comments**

1. Ductile Iron water main is to be MJ x MJ, class 52.
2. Mechanical joints are to be restrained type.
3. Indicate thickness of waterline jacket being provided.
4. Confirm PITTCOTE product will not harm or degrade the proposed insulation.
5. Where is a curb stop being proposed?

**Braced Connection (Waterline Support Assembly WS-1)**

1. Coordinate the water line and supporting accessory locations on WS-1 with location depicted on J.P. Carrara shop drawings (NEXT beam 2).
2. Verify that braced connection locations shown on J.P. Carrara shop drawings align with proposed waterline profile and vertical bends.
3. Contractor to verify that the water line U-bolts provided correspond with water line support assembly WS-1, and assembly bolt hole spacing. Please submit dimensions of proposed U-bolt.
  - a. NOTE: The dimensions specified in the plans for water line U-bolts are non-standard, or special order.



## REVIEW NOTES

### MIDDLEBURY RS 0174(8) - SAND HILL BRIDGE WATERLINE SHOP AND FABRICATION DRAWINGS March 27, 2014

SHOP DRAWING REVIEW		
<input type="checkbox"/> REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.		
<input type="checkbox"/> REJECTED	<input checked="" type="checkbox"/> REVISE AND RESUBMIT	<input type="checkbox"/> FURNISH AS CORRECTED
<p>CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.</p>		
	<p><b>Vanasse Hangen Brustlin, Inc.</b> Transportation, Land Development, Environmental Services Six Bedford Farms Drive, Suite 607 Bedford, NH 03110 (603) 644-0888</p>	<p>Job Number: <u>57438.00</u> Reviewed By: <u>TMG</u> Date: <u>March 27, 2014</u></p>