



HW1A - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244 WATER REPEL	0.5	GA	
EM-00033	3" FOAM CORE PVC	8.17	FT	
EM-00115	UTILITY ANCHOR #8UA671-GALVANIZED	2	EA	
RM-00016	REBAR #5 EPOXY- GR 60 40'	386	LB	
SBO	GUARDRAIL ANCHOR ASSY W/4 BOLTS	3	EA	
MX-FA5000SC20	MX DSGN - FLY ASH - 5000 - SELF COMP.	2.99	CY	

All Rebar to be Epoxy Coated			
Headwall Rebar Schedule			
MK	QTY	LENGTH	
501 #5	29	8	2"
502 #5	8	16	8"

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONTRACTOR 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 CONTRACT DOCUMENTS.

REJECTED REUSE AND RESUBMIT FURNISH AS CORRECTED

CORRECTIONS OR COMMENTS DATE ON THE SHOP DRAWINGS DURING THE REVIEW PERIOD SHALL BE COORDINATED WITH THE CONTRACTOR AND SUBJECT TO THE REVIEW AND APPROVAL OF THE DESIGNER. THIS DRAWING IS FOR INFORMATION ONLY AND SHALL NOT BE USED FOR CONSTRUCTION WITHOUT THE WRITTEN APPROVAL OF THE DESIGNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FOR THE PROJECT AND SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FOR THE PROJECT AND SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS, LICENSES AND APPROVALS FOR THE PROJECT.

Vinnose Hengen Brustin, Inc.
 7055 183 Road 7
 North Ferrisburgh, VT 05475
 802-425-2798

HUBBARDTON BR76
 Job Number: ER STP 0161(26)
 Reviewed By: S. FARNSWORTH
 Date: 10-16-2012

This drawing is based upon information provided from the following documents and/or sources:

Engineer:
 Project No:
 Drawings:
 Specifications:
 Other:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY
VTrans

Drawn by: M. SCOTT
 Checked by:
 Approved by:

Date: 09/24/2012

HUBBARDTON ER STP 0161(26)
 BRIDGE NO. 96
 J.A. McDONALD, INC.
 PROPOSED IMPROVEMENT BRIDGE PROJECT
 HUBBARDTON, VT

Drawing No. C21377-HW1A

Quantity: 1 Project No: ER STP 0161(26) SHEET 4A OF 7A

STATE OF VERMONT
 CHRISTOPHER M. VICK
 NO. 77928
 Structural
 LICENSED PROFESSIONAL ENGINEER

10/12/12

Stamp for structural design only

NO.	DESCRIPTION	DATE	BY
10			
9			
8			
7			
6			
5			
4			
3			
2			
1	Revised headwall thickness	10/12/12	MS