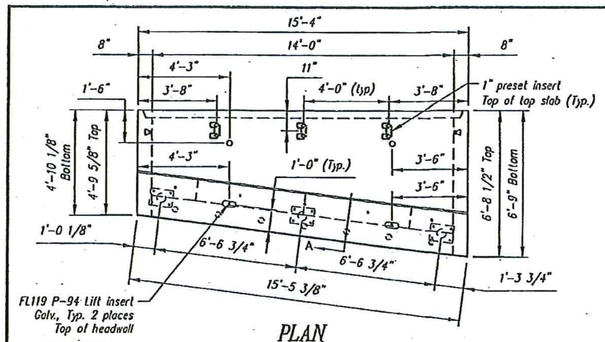
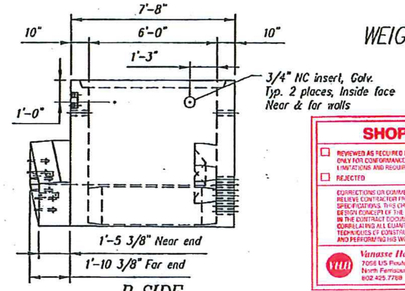
QTY = 1
WEIGHT = 19.27 TONS



PLAN



R. SIDE

SHOP DRAWING REVIEW

☐ 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

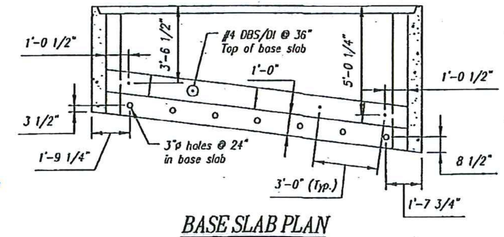
☐ REJECTED ☐ REVISE AND RESUBMIT ■ RUBMISSION CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM FULFILLING ALL REQUIREMENTS OF THE DRAWINGS, T.S., SPECIFICATIONS. THIS CHECK HAS NOT TEN REVIEWED FOR GENERAL CONFORMANCE TO 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 WORK WITH ALL OTHER TRADES AND PERFORMING THIS WORK IN A SAFE AND SATISFACTORY MANNER

Vanasse Hangen Brustlin, Inc.
7056 US Route 7
North Ferrisburgh, VT 05473
802 425.7799

HUBBARDTON
Job Number 8R2P0161(27)
Reviewed By S. FARNSWORTH
Date 10-2-2012

ALL REINFORCING TO BE EPOXY COATED



BASE SLAB PLAN

B1 CULVERT PIECE - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
△1 DTJ	CONSOLIDECK SALTGUARD (PENSEAL 244)	0.55	GA	
EM-00005	1" X 8" PRESET WING INSERTS	3	EA	
△1 EM-00011	DBSAE #4 X 18" EPOXY	5	EA	DOWEL BAR SPLICER
EM-00013	DBSAE #5 X 18" EPOXY	62	EA	DOWEL BAR SPLICER
EM-00033	3" FOAM CORE PVC	9.17	FT	
EM-00112	3/4" NC. GALV. FERRULE INSERT	4	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	46	FT	AROUND BELL
RM-00014	REBAR #4 EPOXY- GR 60 40'	516	LB	
RM-00016	REBAR #5 EPOXY- GR 60 40'	812	LB	
MX-FA5000SC20	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	7.21	CY	
B1 BAFFLE WALL - BILL OF MATERIALS / EMBEDS				
EM-00019	DI #4 X 18" EPOXY	5	EA	DOWEL IN
RM-00014	REBAR #4 EPOXY- GR 60 40'	18	LB	
MX-FA5000SC20	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	0.42	CY	
B1 HEADWALL - BILL OF MATERIALS / EMBEDS				
△1 DTJ	CONSOLIDECK SALTGUARD (PENSEAL 244)	0.45	GA	
△1 EM-00021	DI #5 X 18" EPOXY	62	EA	DOWEL IN
EM-00078	8T SPREAD ANCHOR #FL119/P94	2	EA	
△1 RM-00016	REBAR #5 EPOXY- GR 60 40'	268	LB	
SBO	GUARDRAIL ANCHOR ASSY - 4 BOLTS PER	3	EA	
MX-FA5000SC20	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	1.88	CY	

All Rebar to be Epoxy Coated
Culvert Rebar Schedule

MK		QTY	LENGTH
401	#4	12	7' 4"
402	#4	14	15' 0"
403	#4	74	6'-5" max. △1
501	#5	28	13' 4"
502	#5	27	15' 0"

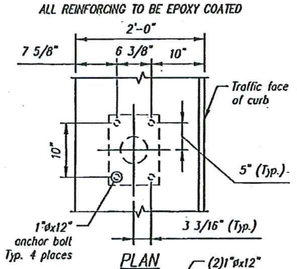
All Rebar to be Epoxy Coated
△1 Headwall Rebar Schedule

MK		QTY	LENGTH
502	#5	6	15' 0"
503	#5	25	6' 8"

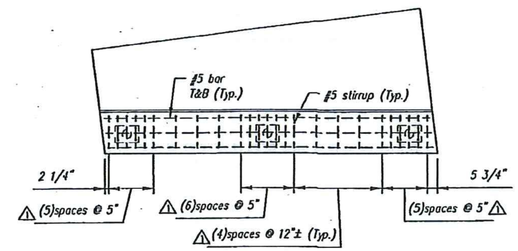
All Rebar to be Epoxy Coated
Baffle Wall Rebar Schedule

MK		QTY	LENGTH
404	#4	1	13' 10"
405	#4	1	12' 8"

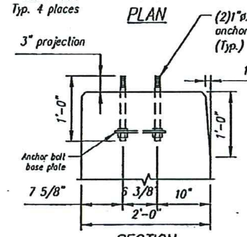
ALL REINFORCING TO BE EPOXY COATED



PLAN

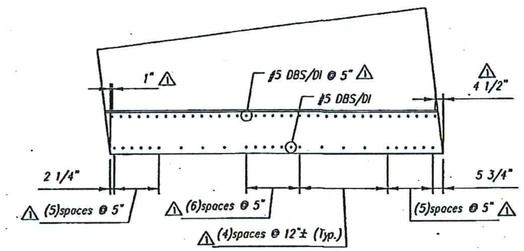


HEADWALL REINFORCING PLAN



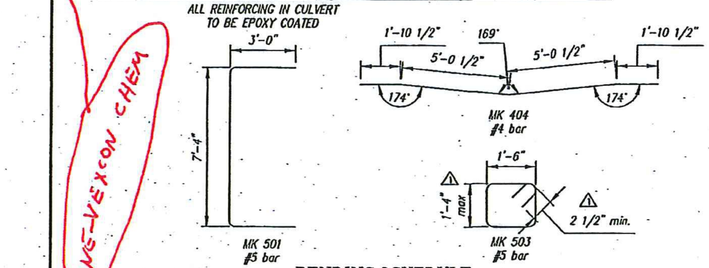
SECTION

GUARDRAIL ANCHOR DETAILS



△1 DBS LAYOUT DETAIL

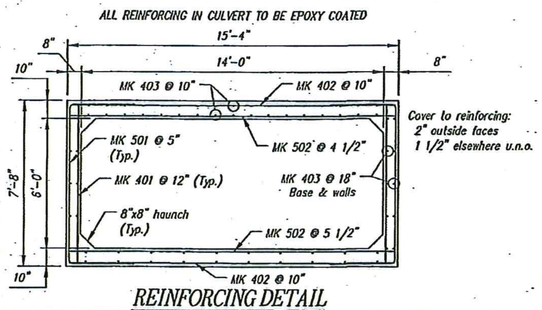
ALL REINFORCING IN CULVERT
TO BE EPOXY COATED



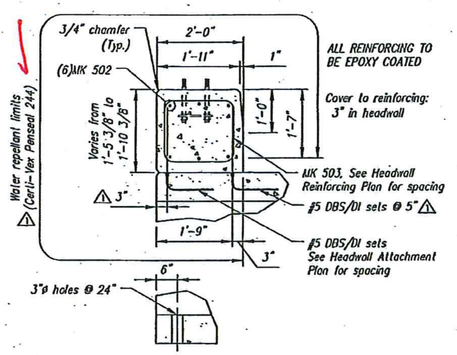
△1 BENDING SCHEDULE

SILANE-VEXCON CHEM

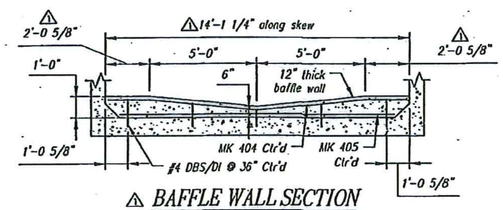
ALL REINFORCING IN CULVERT TO BE EPOXY COATED



REINFORCING DETAIL



△1 SECTION A



△1 BAFFLE WALL SECTION

Rev.	Date	By
1	10/02/12	MS

DESCRIPTION
Miscellaneous revisions; See revision triangles

REVISIONS

Contractor is to verify that all information shown on drawings has been transcribed correctly, complies with the contract documents and is complete to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been noted and approved by the responsible. Production will not commence until receipt of signed, approved shop drawings.

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STATE OF VERMONT
CHRISTOPHER M. VICK
NO. 7928
Structural
LICENSED PROFESSIONAL ENGINEER
10/2/12

Stamp for structural design only

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	Date 09/21/2012	
Checked by	Date	
Approved by	Date	

HUBBARDTON ER STP 0161(27)
BRIDGE NO. 98
J.A. McDONALD, INC.
PROPOSED IMPROVEMENT BRIDGE PROJECT
HUBBARDTON, VT

C | SHOP DRAWING B1 | REV 1
Drawing No. C21377-B1

Quantity: 1 | Project No: ER STP 0161(27) | SHEET 1B OF 3B