

1 PRECAST ABUTMENT LAYOUT
 F1
 1/4" = 1'-0"

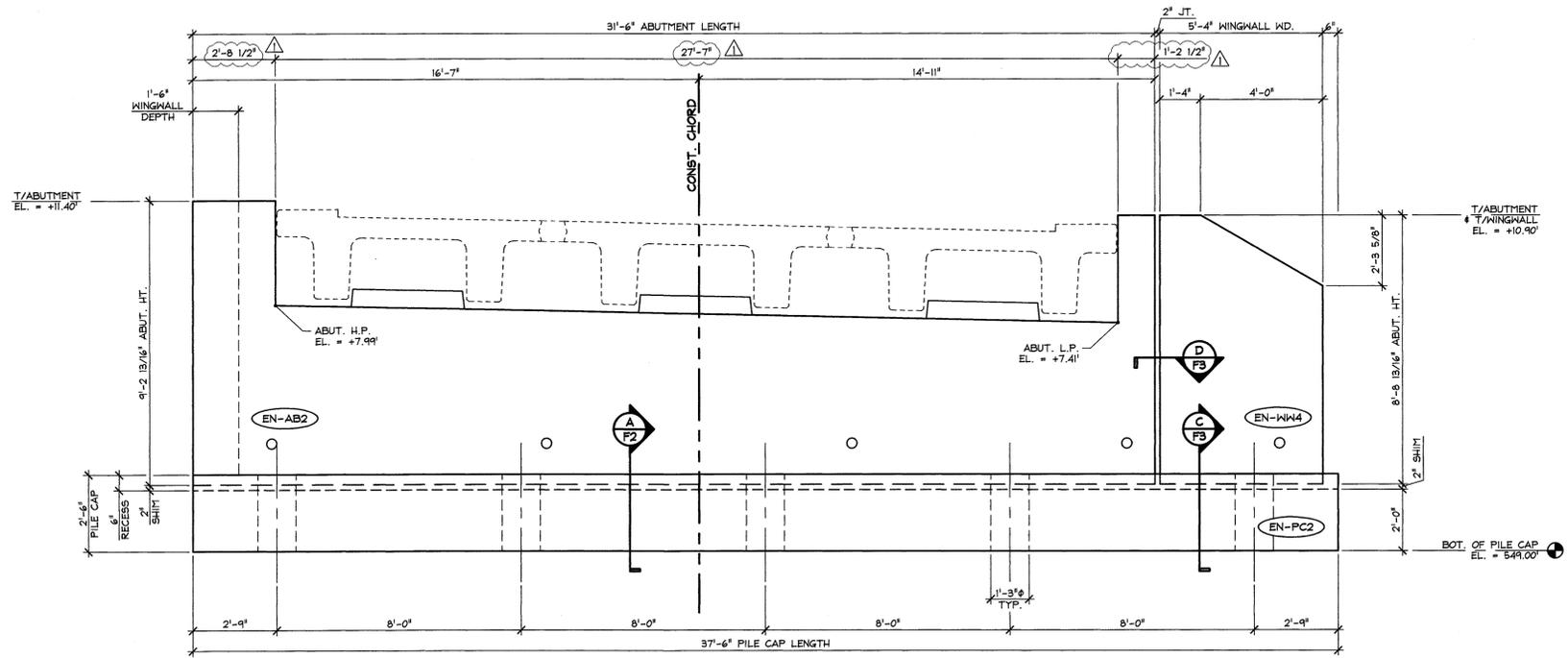
Vermont Agency of Transportation
RECEIVED
 ON: **April 28, 2014**
 and Checked for
CONFORMANCE
 BY: **Rob Young** DATE: **05/01/2014**

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements	✓	
APPROVED AS NOTED		
REVISE AND RESUBMIT		
NOT REVIEWED		
Date:	4-29-2014	
By:	<i>James Hynd</i>	
<p>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawing or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication processes or to techniques of construction and installation and for coordination of the work of all subtrades.</p>		

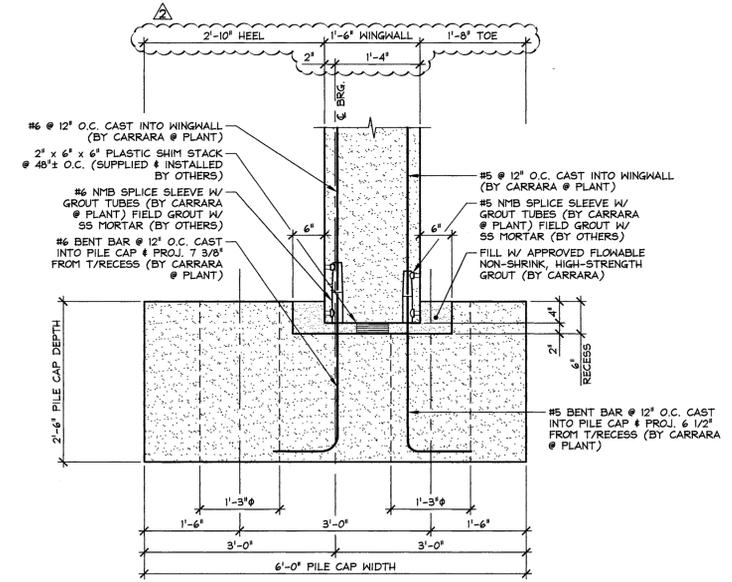
- △ 4-28-14 REVISED AS NOTED
- △ 4-7-14 REVISED AS NOTED

APPROVAL STAMP:	J.P. CARRARA & SONS INC. A.L. ST. ONGE CONTRACTOR, INC. Precast & Prestress Manufacturer CONTRACTOR <small>2464 GSE STR, MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010</small> <small>MONTGOMERY CENTER, VERMONT</small>	
	STATE OF VERMONT AGENCY OF TRANSPORTATION DATE: JAN. 27, 2014 COUNTY OF FRANKLIN SCALE: NOTED	
	TOWN OF ENOSBURG BOSTON POST ROAD T.H.2 CLASS 2 BRIDGE NO.: 48 PROJECT NO.: BRO 1448(40)	
	PRECAST ABUTMENT LAYOUT DWG. NO: F1	

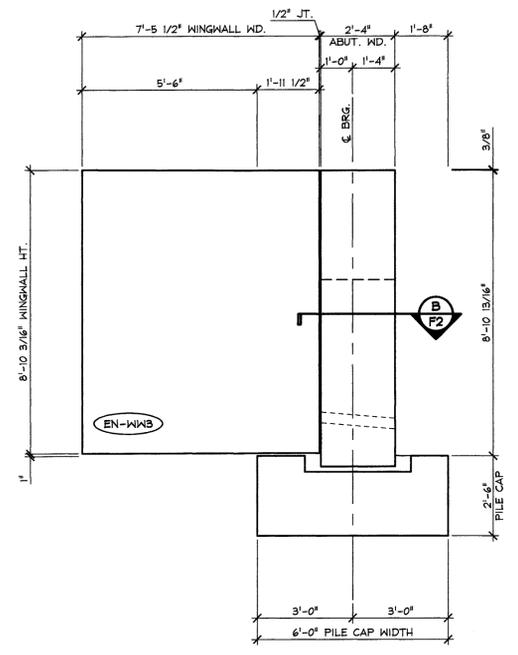
SUBMITTED
 APR 28 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753



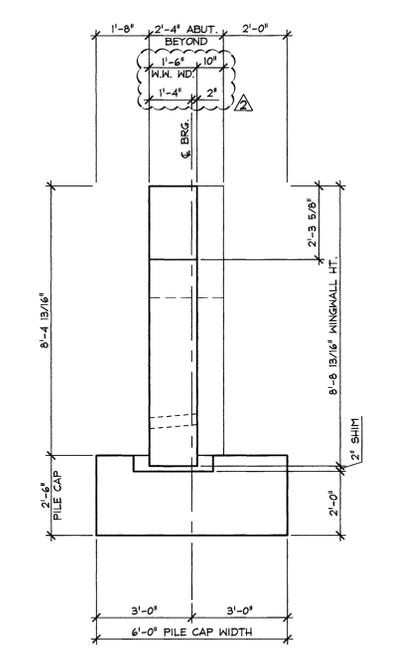
1 ABUTMENT #2 ELEVATION
3/8" = 1'-0"



C WINGWALL CONNECTION DETAIL
3/4" = 1'-0"



2 WINGWALL #3 ELEVATION
3/8" = 1'-0"



3 WINGWALL #4 ELEVATION
3/8" = 1'-0"

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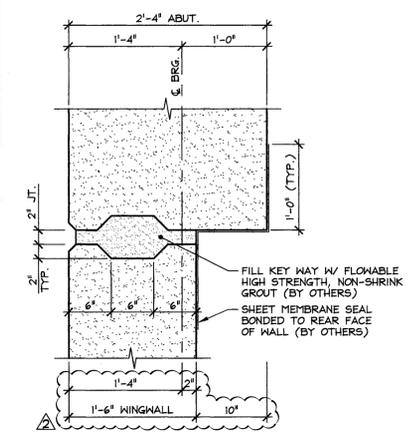
NOT REVIEWED

Date: 4-29-2014

By: *Janice Hynd*

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Stantec



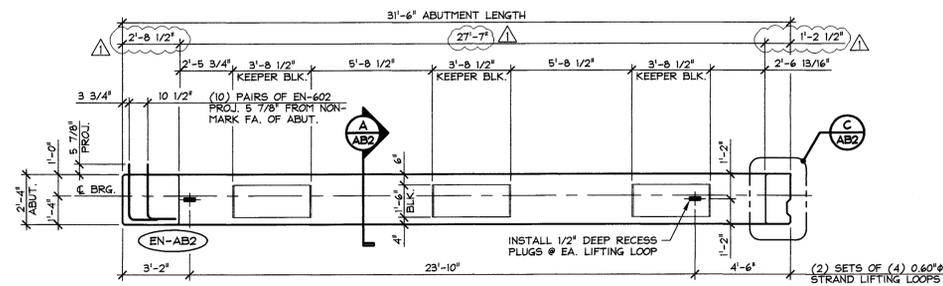
D ABUTMENT / WING WALL SHEAR KEY DETAIL
1" = 1'-0"

- 4-28-14 REVISED AS NOTED
- 4-7-14 REVISED AS NOTED

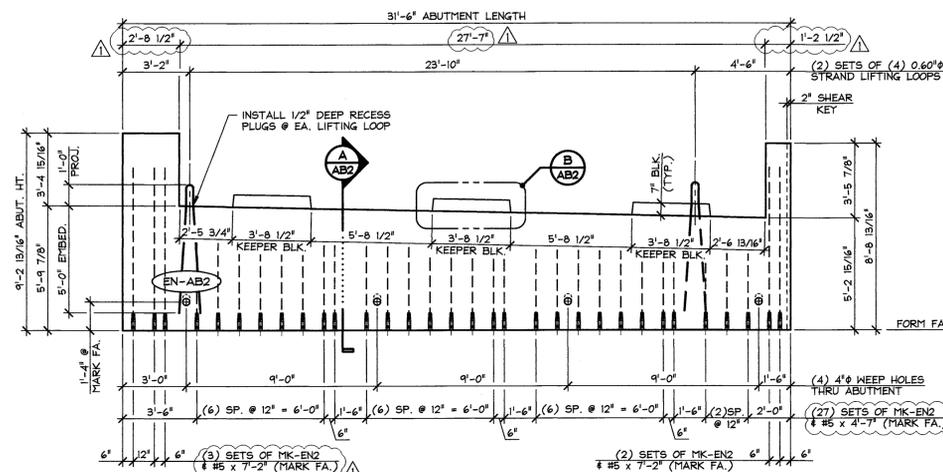
APPROVAL STAMP:	J.P. CARRARA & SONS INC. A.L. ST. ONGE CONTRACTOR, INC. Precast & Prestress Manufacturer CONTRACTOR 2464 GASE CIR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010 MONTGOMERY CENTER, VERMONT	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF FRANKLIN	DATE: APR. 24, 2014 SCALE: NOTED
	TOWN OF ENOSBURG BOSTON POST ROAD T.H.2 CLASS 2 BRIDGE NO.: 48 PROJECT NO.: BRO 1448(40)	CHKD: M.W. DFTM: B.L. JOB NO: 23418-013
	ABUTMENT #2 ELEVATIONS	DWG. NO: F3

Vermont Agency of Transportation
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BY: Rob Young DATE: 05/01/2014

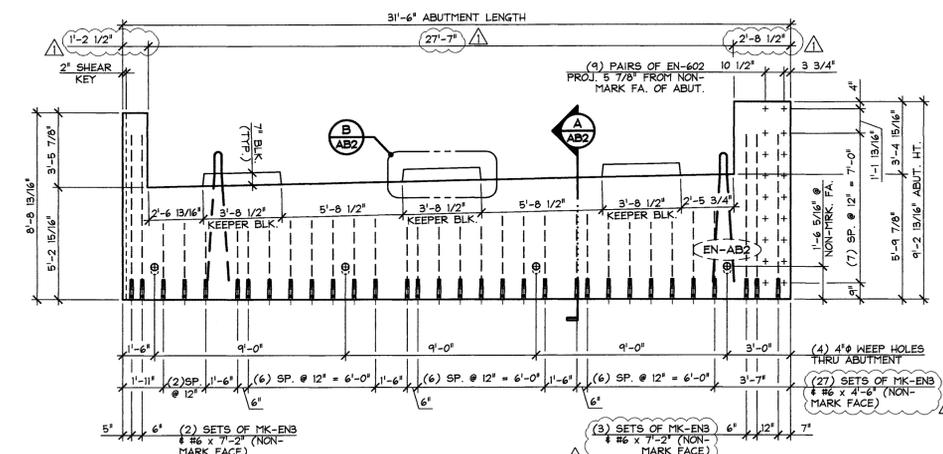
SUBMITTED
APR 28 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753



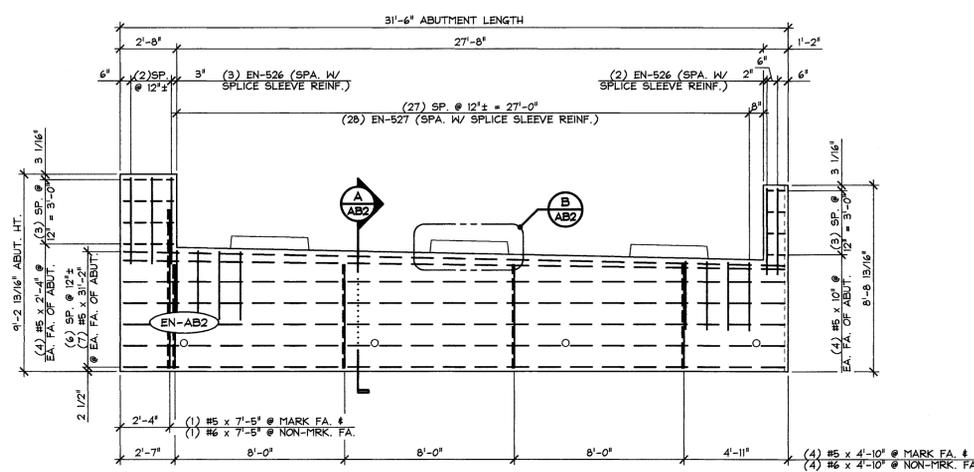
1 DIMENSIONAL PLAN VIEW IN FORM
AB2
1/4" = 1'-0"



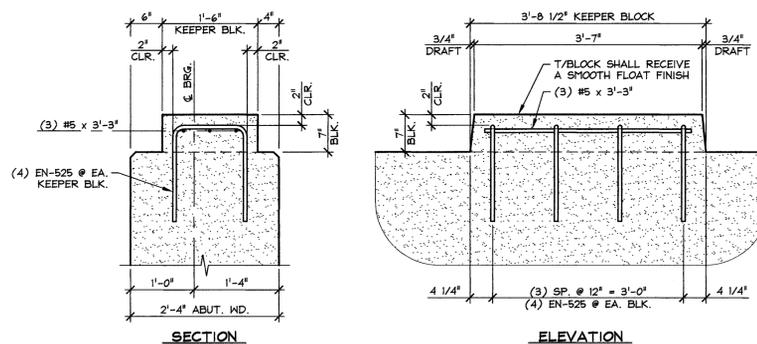
2 DIMENSIONAL ELEVATION (MARK FACE)
AB2
1/4" = 1'-0"



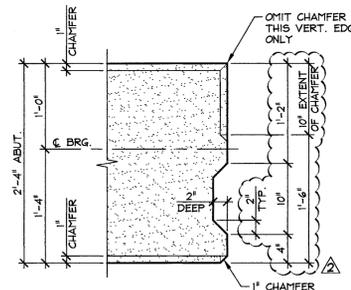
3 DIMENSIONAL ELEVATION (NON-MARK FACE)
AB2
1/4" = 1'-0"



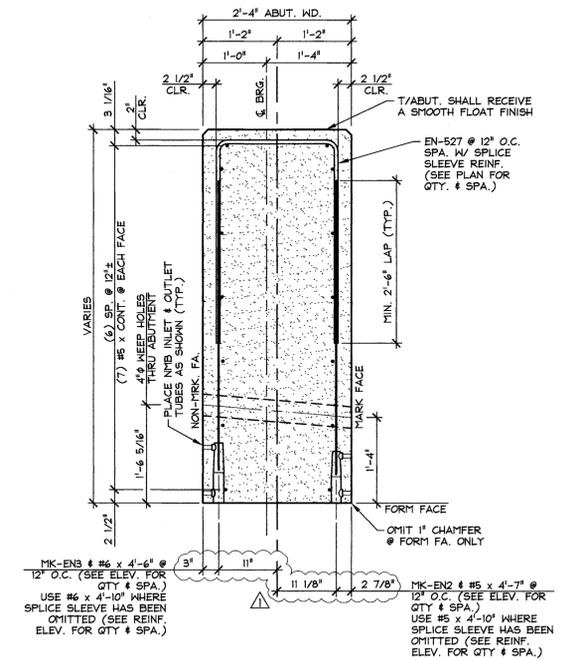
4 REINFORCING ELEVATION
AB2
1/4" = 1'-0"



B KEEPER BLOCK DETAILS
AB2
3/4" = 1'-0"



C SHEAR KEY PLAN
AB2
1" = 1'-0"



A ABUTMENT SECTION
AB2
3/4" = 1'-0"

SHOP NOTE:
ALL EDGES OF ABUTMENT SHALL RECEIVE A 1' CHAMFER (U.N.O.)

SHOP NOTE:
F_c = 5,000 PSI
F_{st} = 4,000 PSI
MIX: #445M5CC

Vermont Agency of Transportation
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and Checked for
CONFORMANCE
BY: Rob Young DATE: 05/01/2014

MARK: EN-AB2 QTY.: 1 WT.: 33.53 T VOL.: 16.56 cy

MATERIAL LIST / ABUTMENT			
ITEM	MARK	DESCRIPTION	QTY.
1	EN-525	#5 BENT BAR (LEVEL I, BLACK STEEL)	12
2	EN-526	#5 BENT BAR (LEVEL I, BLACK STEEL)	5
3	EN-527	#5 BENT BAR (LEVEL I, BLACK STEEL)	28
4		#5 x 3'-3" (LEVEL I, BLACK STEEL)	9
5		#5 x 4'-7" (LEVEL I, BLACK STEEL)	(27)
6		#5 x 4'-10" (LEVEL I, BLACK STEEL)	4
7		#5 x 7'-2" (LEVEL I, BLACK STEEL)	(5)
8		#5 x 31'-2" (LEVEL I, BLACK STEEL)	14
9		#5 x 2'-4" (LEVEL I, BLACK STEEL)	8
10		#5 x 7'-5" (LEVEL I, BLACK STEEL)	1
11		#5 x 10" (LEVEL I, BLACK STEEL)	8
12			
13	EN-602	#6 BENT BAR (LEVEL I, BLACK STEEL)	18
14		#6 x 4'-6" (LEVEL I, BLACK STEEL)	(27)
15		#6 x 4'-10" (LEVEL I, BLACK STEEL)	4
16		#6 x 7'-2" (LEVEL I, BLACK STEEL)	(5)
17		#6 x 7'-5" (LEVEL I, BLACK STEEL)	1
18			
19			
20			
21	MK-EN2	N#B SPLICE SLEEVE 5U-X(PG) (BLACK STEEL)	(32)
22	MK-EN3	N#B SPLICE SLEEVE 6U-X(PG) (BLACK STEEL)	(32)
23		SET OF (4) 0.60% STRAND LIFTING LOOPS	2
24			
25			

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APPROVED AS NOTED

REVISE AND RESUBMIT

NOT REVIEWED

Date: 4-29-2014

By: *James H. [Signature]*

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4-28-14 REVISED AS NOTED
4-7-14 REVISED AS NOTED

APPROVAL STAMP:

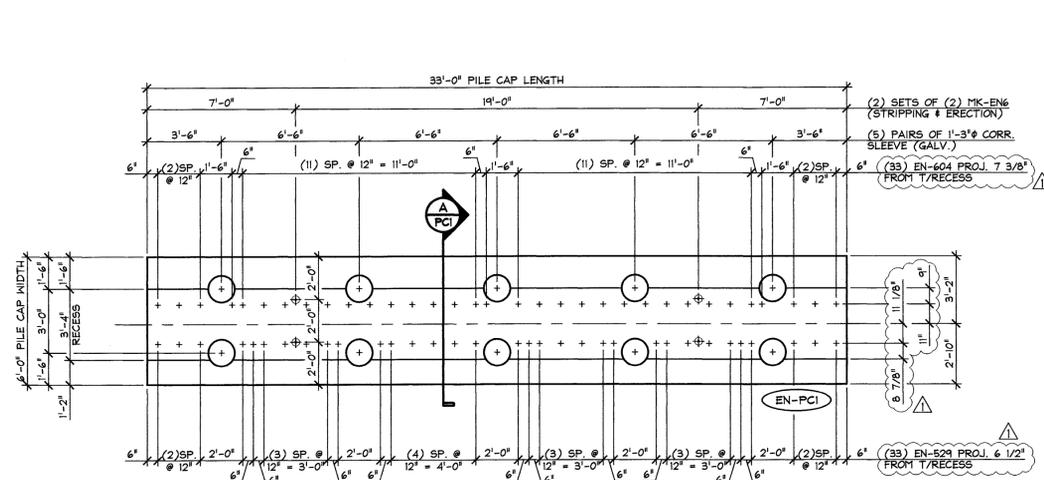
J.P. CARRARA & SONS INC. A.L. ST. ONGE CONTRACTOR, INC.
Precast & Prestress Manufacturer CONTRACTOR
2464 GEE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010 MONTGOMERY CENTER, VERMONT

STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF FRANKLIN DATE: JAN. 27, 2014
SCALE: NOTED

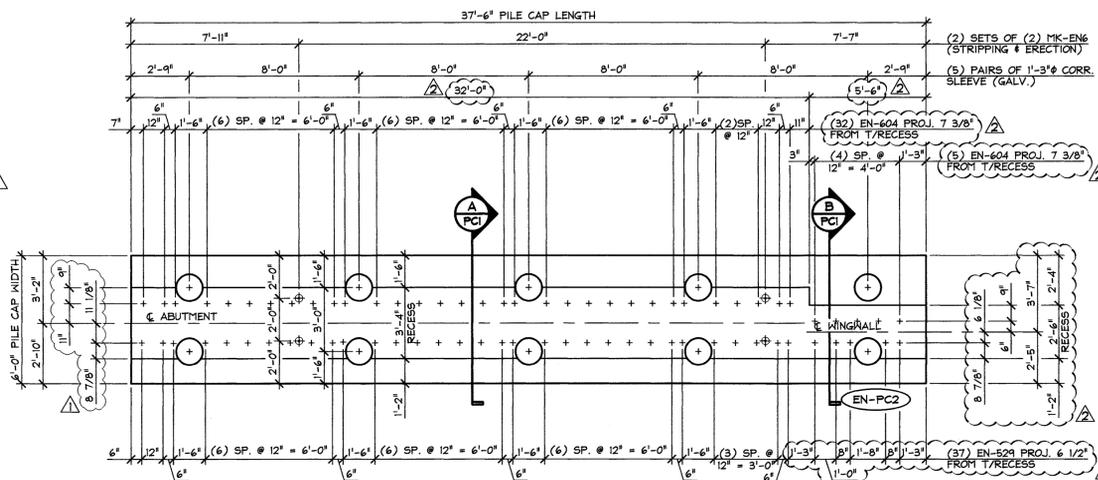
TOWN OF ENOSBURG BOSTON POST ROAD T.H.2 CLASS 2 CHKD: M.W. DFTM: B.L.
BRIDGE NO.: 48 PROJECT NO.: BRO 1448(40) JOB NO: 23418-013

PRECAST ABUTMENT DETAILS DWG. NO: AB2

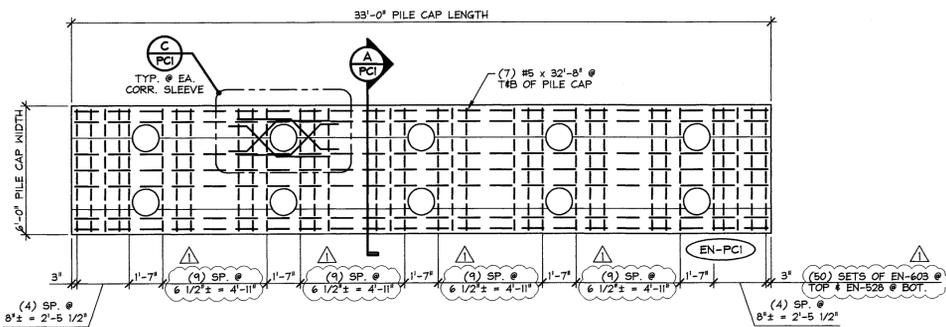
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 BY: Rob Young DATE: 05/01/2014



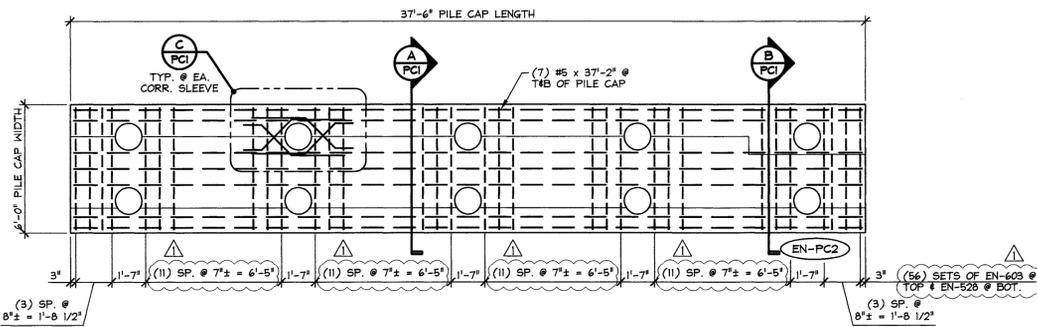
1 DIMENSIONAL PLAN VIEW IN FORM
 PCI 1/4" = 1'-0"



3 DIMENSIONAL PLAN VIEW IN FORM
 PCI 1/4" = 1'-0"



2 REINFORCING PLAN VIEW IN FORM
 PCI 1/4" = 1'-0"



4 REINFORCING PLAN VIEW IN FORM
 PCI 1/4" = 1'-0"

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REVISE AND RESUBMIT

NOT REVIEWED

Date: 4-29-2014

By: *Jonas Hygel*

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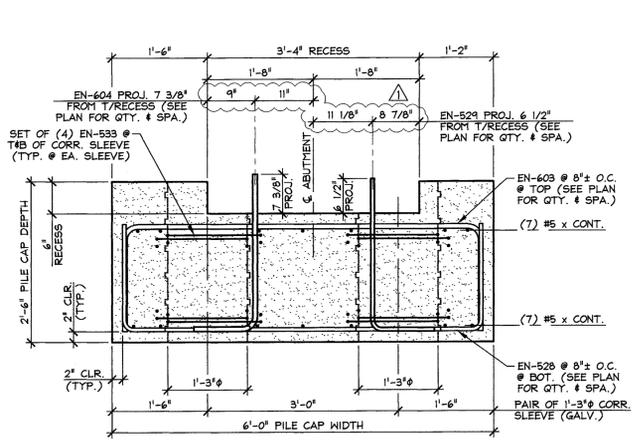
Stantec

SHOP NOTE:
 FC = 5,000 PSI
 Fcd = 3,500 PSI
 MTK: #44815CC

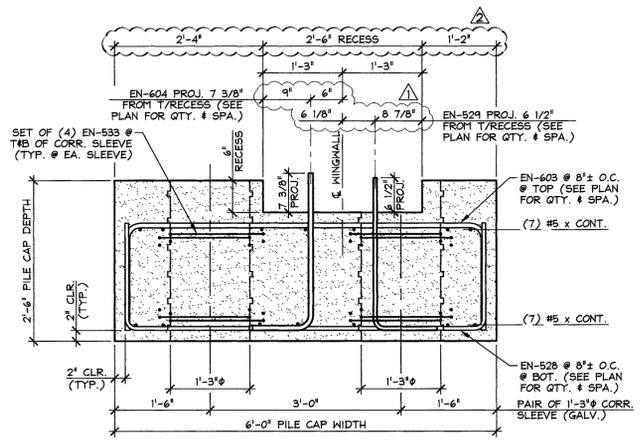
SUBMITTED
 APR 28 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

MARK:	EN-PC1	QTY.:	1	WT.:	31.2 T	VOL.:	15.4 cy
MARK:	EN-PC2	QTY.:	1	WT.:	35.8 T	VOL.:	17.7 cy

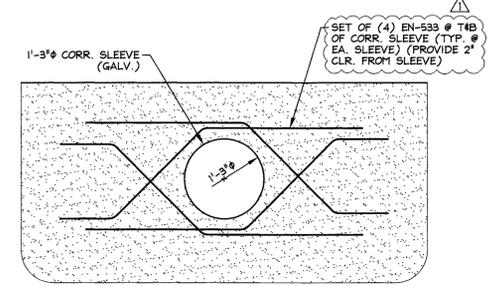
MATERIAL LIST / PILE CAP			
ITEM	MARK	DESCRIPTION	QTY./PILE CAP
1	EN-528	#5 BENT BAR (LEVEL 1, BLACK STEEL)	50 56
2	EN-529	#5 BENT BAR (LEVEL 1, BLACK STEEL)	33 37
3	EN-533	#5 BENT BAR (LEVEL 1, BLACK STEEL)	80 80
4		#5 x 32'-8" (LEVEL 1, BLACK STEEL)	14
5		#5 x 37'-2" (LEVEL 1, BLACK STEEL)	14
6			
7	EN-603	#6 BENT BAR (LEVEL 1, BLACK STEEL)	50 56
8	EN-604	#6 BENT BAR (LEVEL 1, BLACK STEEL)	33 37
9			
10		1'-3" x 2'-6" CORRUGATED SLEEVE (GALV.)	10 10
11			
12	MK-EN6	20 T x 19 3/4" SWIFT LIFT LIFTER	4 4
13			
14			
15			



A PILE CAP SECTION
 PCI 3/4" = 1'-0"



B PILE CAP SECTION
 PCI 3/4" = 1'-0"



C CORRUGATED SLEEVE
 PCI REINFORCING DETAIL 3/4" = 1'-0"

4-28-14 REVISED AS NOTED
 4-7-14 REVISED AS NOTED

APPROVAL STAMP:

J.P. CARRARA & SONS INC. A.L. ST. ONGE CONTRACTOR, INC.
 Precast & Prestress Manufacturer CONTRACTOR
 244 OSE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010 MONTGOMERY CENTER, VERMONT

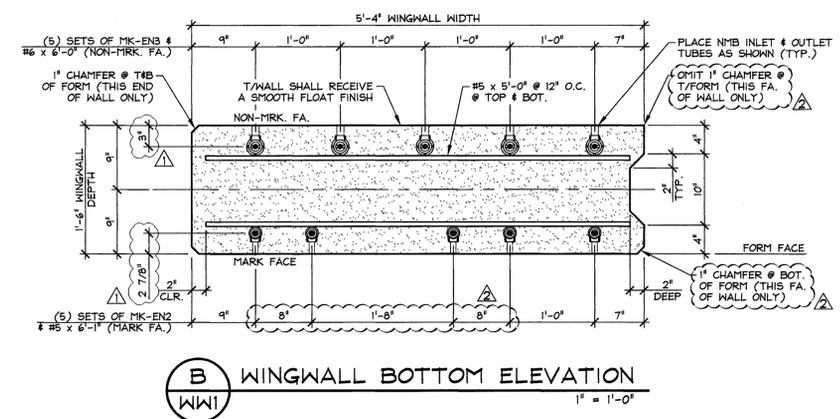
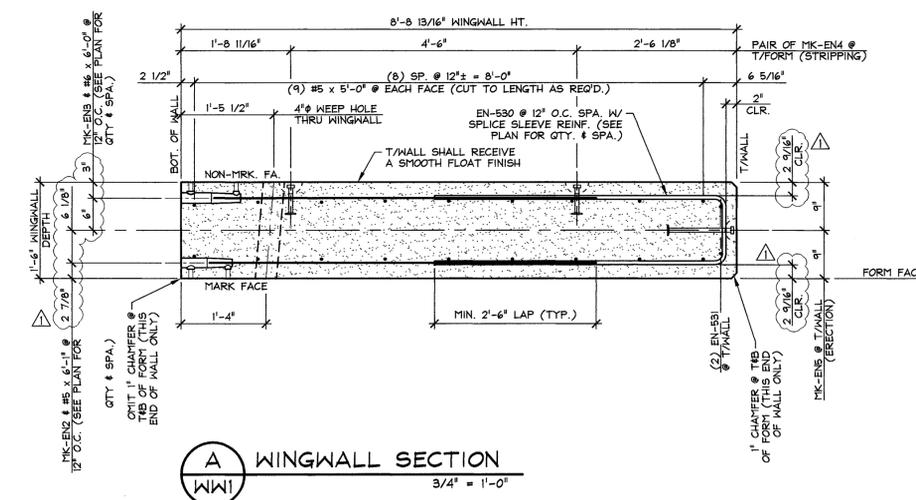
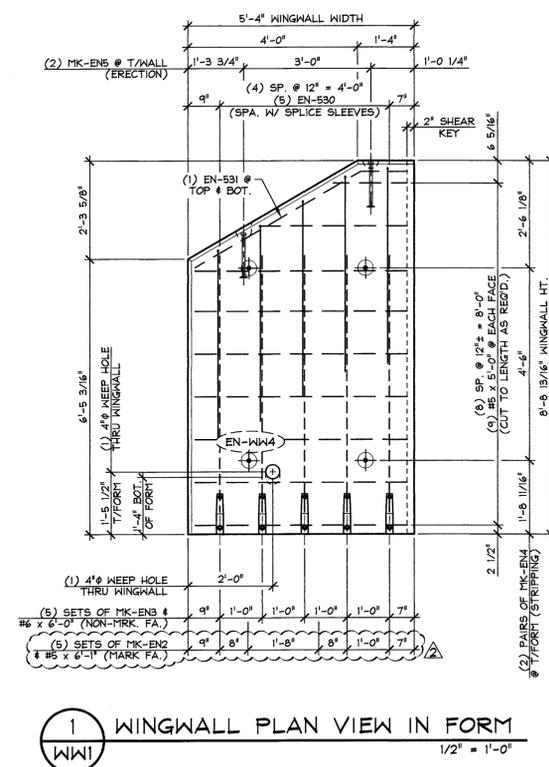
STATE OF VERMONT AGENCY OF TRANSPORTATION DATE: JAN. 27, 2014
 COUNTY OF FRANKLIN SCALE: NOTED

TOWN OF ENOSBURG CHKD: M.W. DFTM: B.L.
 BOSTON POST ROAD T.H.2 CLASS 2 JOB NO: 23418-013
 BRIDGE NO.: 48 PROJECT NO.: BRO 1448(40)

PRECAST PILE CAP DETAILS DWG. NO: PCI

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BY: Rob Young DATE: 05/01/2014



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SHOP NOTE:
ALL EDGES OF WING WALLS, FORM FACE & T/WALL FACE, SHALL RECEIVE A 1" CHAMFER (UNLESS NOTED OTHERWISE)

SHOP NOTE:
f'c = 5,000 PSI
f'dl = 3,500 PSI
MIX: #448M19CC

SUBMITTED
APR 28 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK: EN-WW4	QTY.: 1	WT.: 4.65 T	VOL.: 2.30 cy
MATERIAL LIST / WINGWALL			
ITEM	MARK	DESCRIPTION	QTY.
1	EN-530	#5 BENT BAR (LEVEL 1, BLACK STEEL)	5
2	EN-531	#5 BENT BAR (LEVEL 1, BLACK STEEL)	2
3		#5 x 6'-1" (LEVEL 1, BLACK STEEL)	5
4		#5 x 5'-0" (LEVEL 1, BLACK STEEL)	18
5			
6		#6 x 6'-0" (LEVEL 1, BLACK STEEL)	5
7			
8			
9	MK-EN2	NMB SPLICE SLEEVE 5U-X(PG) (BLACK STEEL)	5
10	MK-EN3	NMB SPLICE SLEEVE 6U-X(PG) (BLACK STEEL)	5
11	MK-EN4	4T x 7 1/8" SWIFT LIFT LIFTER	4
12	MK-EN5	8T x 13 3/8" SWIFT LIFT LIFTER	2
13			
14			
15			

4-28-14 REVISED AS NOTED
4-7-14 REVISED AS NOTED

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BRIDGE NO.: 48 PROJECT NO.: BRO 1448(40) JOB NO: 23418-013

PRECAST WINGWALL DETAILS DWG. NO: WW1