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Date: January 22, 1962

Rock & Bellucci
Enrico Bellucci
 Contractor

Thomas M. Sturges
 Commissioner of Highways
 By Order of Commissioner of Highways

STATE OF VERMONT DEPARTMENT OF HIGHWAYS PROPOSED IMPROVEMENT

INTERSTATE PROJECT

CITY OF WINDOSKI-TOWN OF COLCHESTER

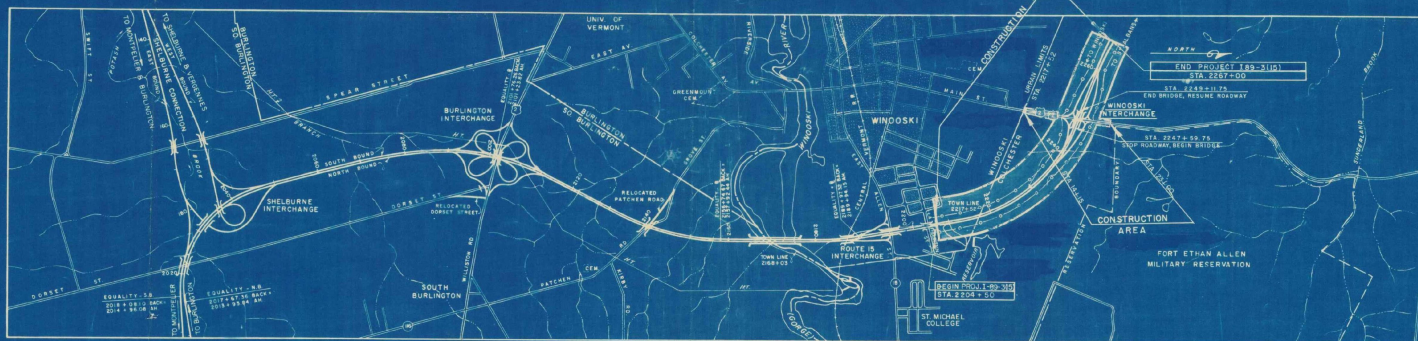
COUNTY OF CHITTENDEN

PROJECT I 89-3(15) STAGE I

BEGINNING AT A POINT IN WINDOSKI 0.246 MI. SOUTH OF THE WINDOSKI COLCHESTER TOWN LINE AND EXTENDING NORTHERLY FOR A DISTANCE OF 1.184 MILES

LENGTH OF ROADWAY 1.155 MILES OR 6098.0 FEET
 LENGTH OF BRIDGE 0.029 MILE OR 150.0 FEET
 LENGTH OF PROJECT 1.184 MILES OR 6250.0 FEET

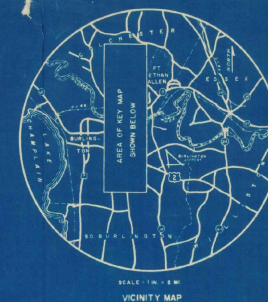
DESIGN DESIGNATION
 A.D.T. 1959 3500
 A.D.T. 1975 7760
 D.H.V. 1150
 D 5.0%
 T 6%
 V 70 M.P.H.



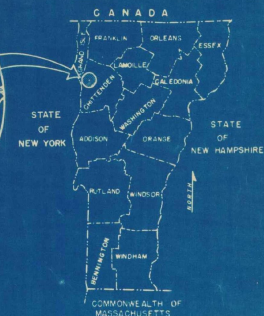
SCALE 1" = 1320'

KEY MAP

X - DENOTES ACCESS POINT



FED. ROAD DISTRICT	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
1	VT	1-89-3(15)	W.A.R.	1	150



CONVENTIONAL SIGNS

R.O.W. FENCE	1
COUNTY LINE	2
TOWN LINE	3
STATE LINE	4
STONE WALL	5
UNFENCED PROPERTY	6
GUARD RAIL	7
TRAVELED WAY	8
RAILROAD	9
RETAINING WALL	10
CENTER LINE	11
BOUNDARY LINE	12
LIMITED ACCESS	13
DRIVE IN	14
TROLLEY POLE	15
POWER POLE	16
TELEPHONE POLE	17
TREES	18
HEDGE	19
SLOPE RIGHTS	20

GROUND ELEVATION	1
GRADE ELEVATION	2
CURVE DATA	3
DEFLECTION OF ANGLE	4
DEGREE OF CURVE	5
RADIUS OF CURVE	6
TANGENT DISTANCE	7
LENGTH OF CURVE	8
EXTERNAL DISTANCE	9
POINT OF INTERSECTION	10
POINT OF CURVE	11
POINT OF TANGENT	12
POINT ON TANGENT	13
POINT ON SUB-TANGENT	14

SCALE	1" = 1320'
TITLE	1" = 1320'
TYPICAL	1" = 1320'
PLAN	1" = 50 FT.
PROFILE	1" = 50 FT.
HORIZONTAL	1" = 10 FT.
VERTICAL	1" = 10 FT.
CROSS-SECTIONS	1" = 50 FT.

SUBMITTED David C. Brown
 CONSULTING ENGINEER
 DATE 1/22/62

APPROVED _____
 SECONDARY ENGINEER
 DATE _____

APPROVED E. H. Bellucci
 DISTRICT ENGINEER
 DATE 1/22/62

APPROVED _____
 BRIDGE ENGINEER
 DATE _____

APPROVED _____
 DISTRICT ENGINEER
 DATE 1/22/62

APPROVED J. M. P. [Signature]
 DISTRICT ENGINEER
 DATE 1/22/62

APPROVED A. S. [Signature]
 DISTRICT ENGINEER
 DATE 1/22/62

STAGE I CONSTRUCTION

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED _____
 DIVISION ENGINEER
 DATE _____
 PROJECT I NO. 89-3(15)
 SHEET 1 OF 150 SHEETS

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION OF JANUARY 1956 SUBMITTED TO THE BUREAU OF PUBLIC ROADS AS APPROVED JULY 6, 1956, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

NOTE:

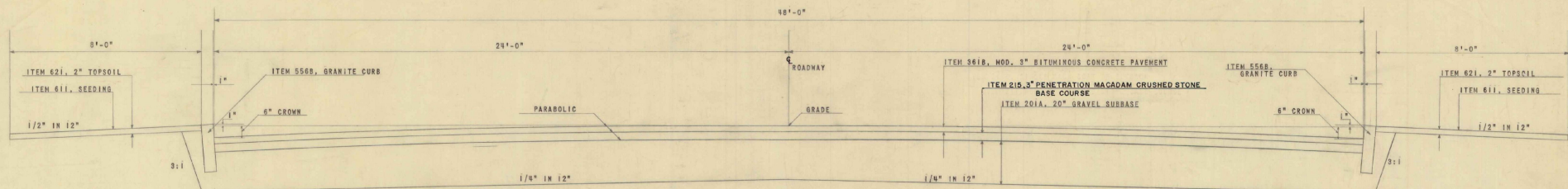
U.S. ROUTE 287 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

3" BITUMINOUS CONCRETE PAVEMENT, ITEM 361B MOD. (± 1/4")
3" PENETRATION MACADAM CRUSHED STONE BASE COURSE, ITEM 215. (± 1/2")
20" SUBBASE OF GRAVEL, ITEM 201A (± 1")
3" CRUSHED STONE SHOULDERS, ITEM 303

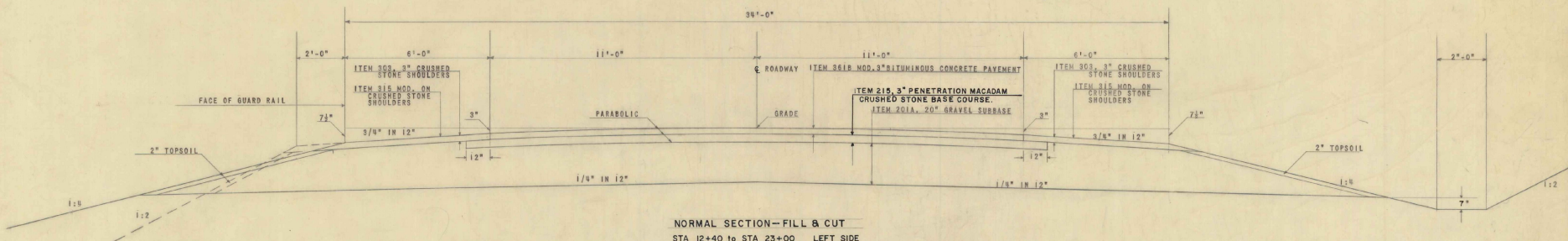
PERMISSIBLE TOLERANCES IN PARENTHESES APPLY TO THICKNESS ONLY

DOUBLE TACK COAT OF BITUMINOUS MATERIAL WITH PEA STONE AND STONE GRITS SEAL, PRIME COAT OF REFINED TAR AND DOUBLE SEAL COAT OF CUTBACK ASPHALT, ITEM 315, MOD. ON CONCRETE CRUSHED STONE SHOULDERS

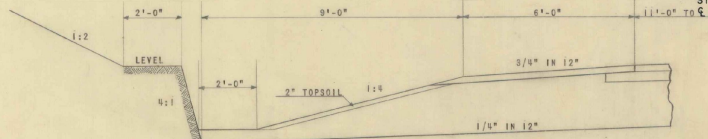
FED. ROAD DIV. No.	STATE	FEDERAL PROJECT No.	SHEET	TOTAL SHEETS
1	VERMONT	89-3 (15)	5	150



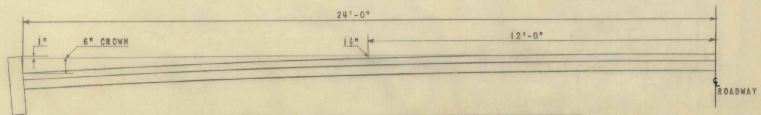
NORMAL SECTION—
STA 4+15 to STA 12+40 LEFT SIDE
STA 4+15 to STA 14+23.90 RIGHT SIDE



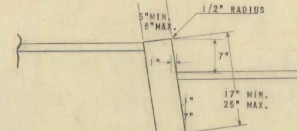
NORMAL SECTION-FILL & CUT
STA 12+40 to STA 23+00 LEFT SIDE
STA 14+23.90 to STA 16+54 RIGHT SIDE (VARIABLE TO 11' WIDTH)
STA 16+54 to STA 23+00 RIGHT SIDE
STA 23+00 to STA 25+00 (22' WIDE AND VARIABLE)



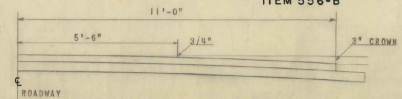
NORMAL SECTION-ROCK CUT



DETAIL FOR PARABOLIC SHOWING QUARTER POINT



DETAIL OF GRANITE CURB
ITEM 556-B



DETAIL FOR PARABOLIC SHOWING QUARTER POINT

SEEDING, ITEM 611 (LAWNS)

SEEDING FORMULA AND RATE OF APPLICATION AS FOLLOWS:

%WEIGHT	LBS./ACRE	NAME	%GERM.	%PURITY
18	10	CREeping RED FESCUE	82	97
9	5	RED TOP	90	92
64	35	KENTUCKY BLUE GRASS	77	80
9	5	DUTCH WHITE CLOVER	80	90
55				

COMMERCIAL FERTILIZER FOR GRASSES WILL BE USED WITH SEEDING, ITEM 611 (LAWNS) AT THE RATE OF 800 POUNDS PER ACRE.

STAGE I CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN
WINOOSKI COLCHESTER

TYPICAL SECTION
U.S. ROUTE 287

BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.
DRAWN BY: H.B.B. IN CHARGE: R.K.
CHECKED BY: E.F.C. DATE: JULY 22, 1960 SCALE: 1"=2'
PROJECT NO. 89-3 (15) SHEET 5 OF 150

APPROXIMATE SUMMARY OF QUANTITIES

DETAILED SUMMARY OF QUANTITIES				WINDOSKI RESERVOIR	WINDOSKI INTERCHANGE	BRIDGE	ROUTE 247	INTERSTATE ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.
QUANTITIES	UNIT	ITEMS	OVERLAP	15,000			12,500	25,000	81,000	CV	COMMON EXCAVATION	1014
66,000	CV	INTERSTATE & INTERCHANGE	(423)	202			6,000	60,000	66,000	CV	SOLID ROCK EXCAVATION	1015
12,500	CV	ROUTE 247	(111)					75,000	75,000	CV	ROADWAY	1016
13,000	CV	WINDOSKI RESERVOIR	1000				525	840	1,365	CV	TRENCH EXCAVATION OF EARTH	1018
91,000	CV	TOTAL	(434)							CV	TRENCH EXCAVATION OF ROCK	1019
										CV	SLICING AND SHOVING (MOD.) 16 ACRES + incl. trees	1020
										CV	FINE GRADING SUB-GRADE	1021
										CV	CHANNEL EXCAVATION OF EARTH	1022
60,000	CV	SOLID ROCK EXCAVATION	7504							CV	CHANNEL EXCAVATION OF ROCK (EST.)	1023
6,000	CV	INTERSTATE & INTERCHANGE	751							CV	STRUCTURE EXCAVATION	1024
66,000	CV	ROUTE 247	8155							CV	ROADWAY PAVEMENT MAINTENANCE (EST.)	1025
										CV	W/SALE DUST CONTROL (EST.)	1026
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QUANTITY SHEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

WINDOSKI COLCHESTER

PROJECT NO. 189-3(15)

SUMMARY SHEET NO. _____ OF _____ 19____

APPROXIMATE SUMMARY OF QUANTITIES

APPROXIMATE SUMMARY OF QUANTITIES						
R. O. W.	BRIDGE	MUNICIPAL OFFICIALS	QUANTITIES	UNIT	I T E M S	ITEM NO.
			GRAND TOTAL			
			870		L.F. 10" Cast Iron Pipe, Flanged Joint	701
			13	13	EACH 10" Cast Iron Bresser Coupling	702
			65	65	L.F. 10" Cast Iron Pipe, Mechanical Joint	703
			5	5	EACH Pipe Support for 10" Cast Iron Pipe	704
			520	520	L.F. 10" Cast Iron Pipe, Bell & Spigot Joint	705
			8	8	EACH 10" Cast Iron Gate Valve, Flanged Joint	706
			1	1	EACH 10" Cast Iron Gate Valve, Bell & Spigot with Valve Box, Cover and Extended Stem	707
			3	3	EACH 10"x10" Cast Iron Tees, Flanged Joint	708
			3	3	EACH 10" Cast Iron Elbow 22 1/2°, Bell & Spigot	709
			5	5	EACH 10" Cast Iron Elbow 90°, Bell & Spigot	710
			3	3	EACH 10" Cast Iron Elbow 90°, Flanged Joint	711
			5	5	EACH 10" Cast Iron Wall Pipe Bell on One End, Flanged Joint on the Other	712
			4	4	EACH 10" Cast Iron Wall Pipe, Spigot on One End, Flanged Joint on the Other	713
			240	240	L.F. 8" Cast Iron Pipe, Flanged Joint	714
			95	95	L.F. 8" Cast Iron Pipe, Bell & Spigot	715
			1	1	EACH 8" Cast Iron Elbow 22 1/2°, Flanged Joint	716
			1	1	EACH 8" Cast Iron Elbow 45° Flanged Joint	717
			1	1	EACH 8" Cast Iron Elbow 90°, Flanged Joint	718
			1	1	EACH 8" Cast Iron Elbow 90°, Bell One End, Flanged Joint on Other	719
			1	1	EACH 8" Cast Iron Pipe, Double Bell	720
			7	7	EACH 8" Cast Iron Bresser Coupling	721
			1	1	EACH 8" Cast Iron Wall Pipe, Spigot One End, Flanged Joint Other End	722
			1	1	EACH 8" Cast Iron Wall Pipe, Bell One End, Flanged Joint Other End	723
			1	1	EACH Pipe Support for 8" Cast Iron Pipe	724
			30	30	L.F. 8" Cast Iron Pipe, Bell & Spigot Joint	725
			5	5	L.F. 8" Cast Iron Pipe, Flanged Joint	726
			1	1	EACH 8" Cast Iron Wall Pipe, Spigot One End, Flanged Joint Other End	727
			1	1	EACH 8"x8" Cast Iron Inserter, Flanged Joint	728
			1	1	L.S. 8" L-Beam 19.3 lbs. Monorail Track 215 ft. Long with 3 wheel Trolley 2,000 lbs. Capacity	729
			60	60	L.F. 10" Well Casing	730
			400	400	L.F. 6" Well, to be Drilled in Rock	731
			1	1	L.S. Disassemble Pump-Motor Unit including all Apparatuses at Well No. 4	732
			1	1	L.S. Install Pump and Motor Unit including all Apparatuses at Valve Pit No. 1	733
			20	20	L.F. Increase in Depth of Pump Setting	734
			20	20	L.F. Reduction in Depth of Pump Setting	735
			98	98	HOUR Pump Test, including Necessary Equipment	736
			10	10	HOUR Recovery, including Necessary Equipment	737
			1	1	L.S. Demolition of Existing Well No. 5, & Valve Pits, One Overflow Basin	738
			1	1	L.S. Construction of New Entrance to Filtration Plant and Demolition of Present Entrance	739
			1	1	L.S. Construction of Chlorination Room (incl. all Elec., Plumb., Heating & Ventilation Work)	740
			1	1	L.S. Furnish and Install One Chlorinator Unit Complete with all Apparatuses	741
			1	1	L.S. Furnish and Install One Bresser Pump and Motor Complete with all Apparatuses	742

DETAILED SUMMARY OF QUANTITIES

[illegible]

DETAILED SUMMARY OF QUANTITIES

[illegible]

TYPE OF CONSTRUCTION

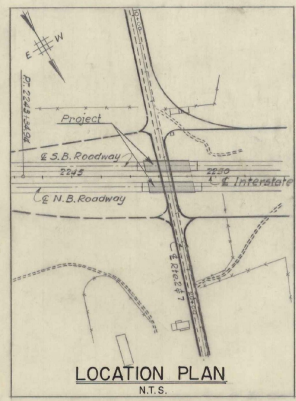
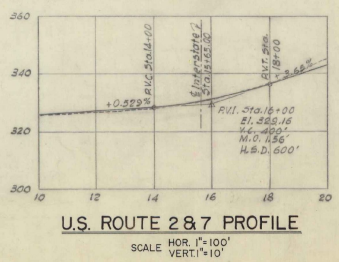
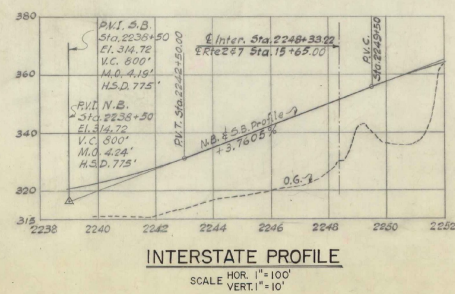
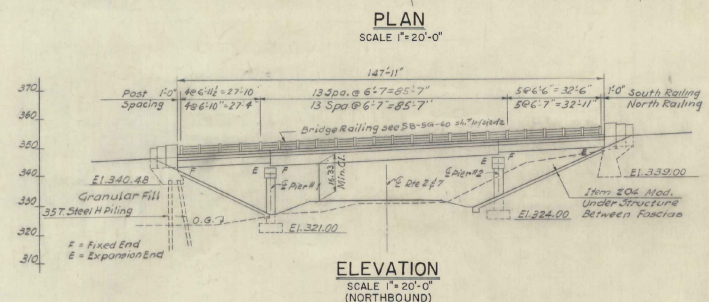
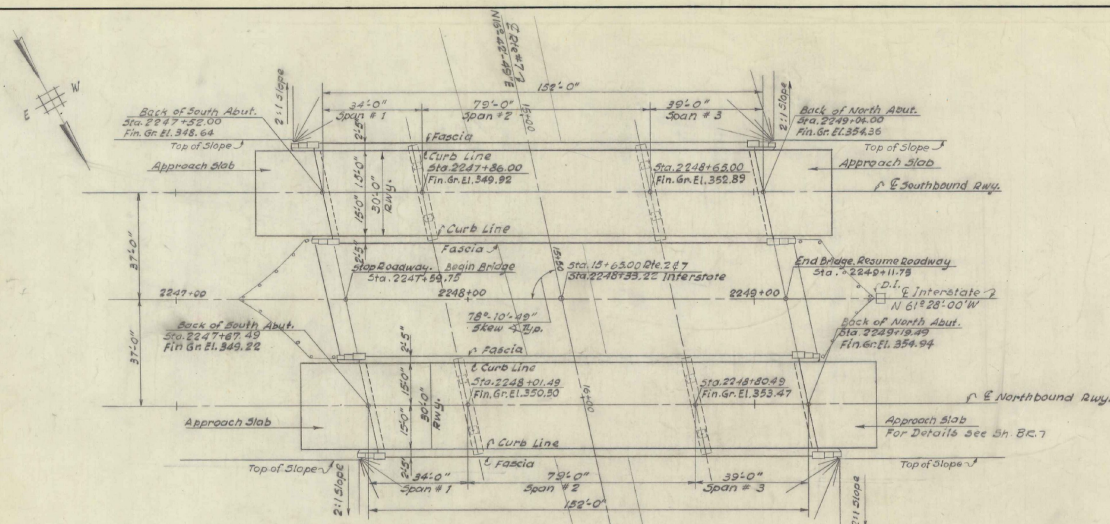
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STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

FINAL EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS



ESTIMATED QUANTITIES						AD
ITEM	ITEM	UNIT	NORTH BOUND	SOUTH BOUND	NEAT OVERALL TOTAL	Final
107	Structure Excavation	C.Y.	177	179	356	150 160
204	Subbase of Crushed Rock (Mod. under Structure)	C.Y.	123	123	246	123 123
282	Gravel Backfill	C.Y.	77	77	154	51 61
318	Ton Emulsion for Bridge Floors (Incl. App. Slab)	Ton	265	265	530	* *
361B	Bit. Conc. Pav't (Incl. App. Slab) Mod.	Ton	75	75	150	* *
401B	Concrete Class 8 Mod. (Incl. App. Slab)	C.Y.	497	497	994	407 419
402	Reinforcing Steel (Incl. App. Slab)	Lb.	61906	61906	123812	418 423
403	Spiral Reinforcement (38 #3 @ 12")	L.S.	Required	Required	Required	Rq. Rq.
404A	Structural Steel	Lb.	151007	151007	302014	302 302
407	Asphaltic-Asbestos Coating	S.Y.	34	34	68	34 34
501	Furnishing Equipment for Driving Piles	L.S.	Required	Required	Required	Rq. Rq.
503	Splices for Steel Piling	Eq.	7	7	14	7 7
504	Steel Piling (12B53)	L.F.	300	300	600	273 283
550	Granite Bridge Curb Mod.	L.F.	334	334	668	337 337
572	Bridge Railing	L.F.	225	225	450	225 225
372	Joint Sealer Hot Poured Elastic Type	L.F.	123	123	246	* *

- * This item shall be included in Roadway estimates
- ### GENERAL NOTES:
- All materials and construction shall conform to the State of Vermont Department of Highways, Standard Specifications for Road and Bridge Construction dated Jan. 1936 and the A.A.S.H.O. Standard Specifications dated 1931. Designed for 1120-516-44 loading modified for National System of Interstate Highways applied in accordance with the provision of the A.A.S.H.O. Standard Specification, Article 1.2.8.
 - Cross slope of approach slab to conform with the cross slope of bridge.
 - Final coat of field paint shall be green, unless otherwise directed by the Engineer.
 - All stations referred to Interstate base line between the two roadways.
 - All dimensions given are measured horizontally or vertically unless otherwise noted.
 - All dimensions given at 68°F.
 - All reinforcing to have a clear cover of 3" unless otherwise noted.
 - All exposed edges of concrete shall be chamfered 1" unless otherwise noted.
 - Borings indicated on the drawings have been made for design purposes only and are not warranted to show actual subsurface conditions.
 - Elevation Datum sea level based on bench line U.S.C.G.S. Survey level line Vermont 25 (Second Order).
 - Unless otherwise called for all beams shall be rolled to true circular camber the middle ordinate being that shown in A.I.S.C. handbook as being the minimum camber likely to remain permanent.
 - Steel bearing piles shall be driven to lodge rock unless otherwise approved by the Engineer. When piles are driven in fill, the material should be such as to have no stones large enough to interfere with the driving of piles.
 - The top surface of all piers and abutments shall be sloped 4" per foot from the back edge of abutments or centerlines of piers except for bearing pads projecting 1" or more above the general area, which surfaces shall be level. The entire exposed top surface of abutments & piers shall be coated with Asphaltic Asbestos Coating 1/2" thick as per Item 4.07 of the specifications.
 - Where rock is encountered, no footings shall be poured until all blasting in an area 360 ft. from the structure has been completed.

REFERENCE DRAWINGS:

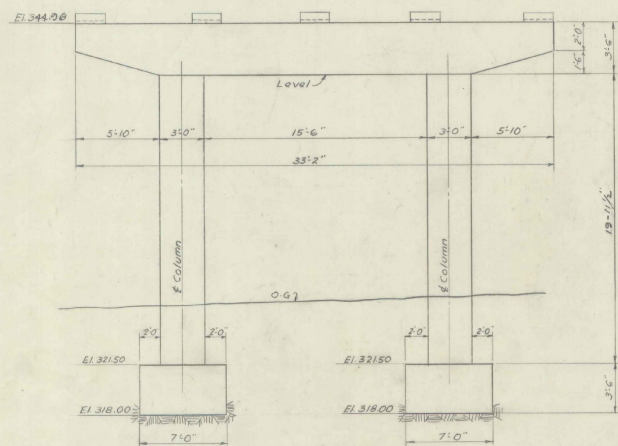
- Plan Interstate 3"=14'
- Profile Interstate 3"=20'
- Cross Section Interstate 3"=14' to 67'
- Plan Route 2 & 7 3"=14' to 17'
- Profile Route 2 & 7 3"=16' to 17'
- Cross Section Route 2 & 7 3"=16' to 17'

LIST OF DRAWINGS:

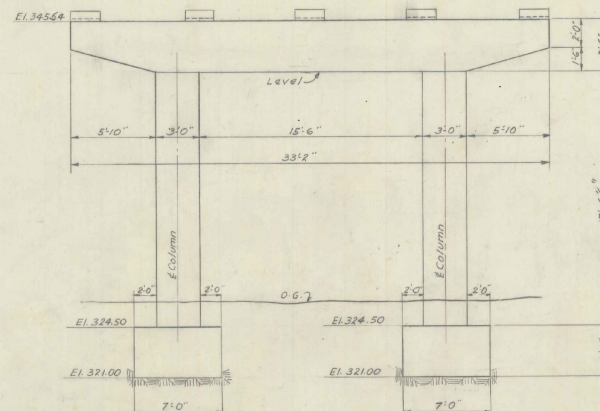
- General Plan of Elevation 3"=82.1'
- Pier Elevations 3"=82.1'
- Typical Pier Details 3"=82.1'
- South Abutment Details 3"=82.1'
- North Abutment Details 3"=82.1'
- Framing Plan 3"=82.1'
- Approach Slabs 3"=82.1'
- Boring Logs 3"=82.1'
- Bar Schedule 3"=82.1'
- Preliminary Information Sheet 3"=82.1'
- SCB-30-60 3"=136'
- SCB-D-60 3"=136'
- SB-50-40 3"=136'
- SB-20-40 3"=136'
- SB-22-40 3"=136'

BR 1 of 10

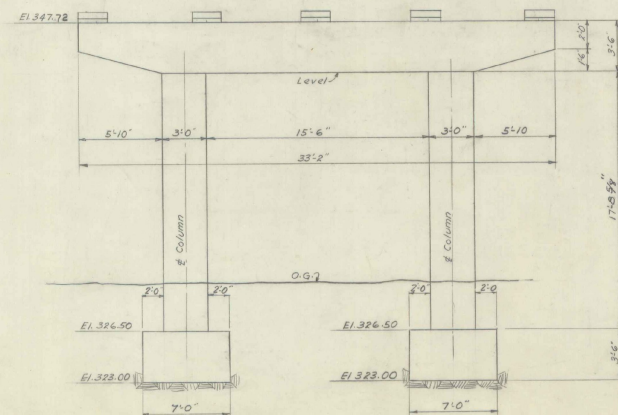
STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWNS OF WINOOSKI, COLCHESTER	
OVERPASS STA. 2248+33.22 U.S. ROUTE 2 & 7	
GENERAL PLAN & ELEVATION	
BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.	IN CHARGE
DRAWN BY B.S.C.	CHECKED BY B.S.C.
DATE	SCALE AS SHOWN
PROJECT NO. 1 89-3(16)	SHEET 120 OF 150



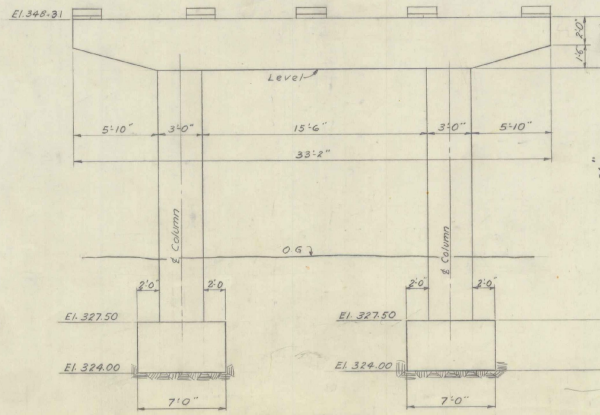
PIER #1 S.B.



PIER #1 N.B.



PIER #2 S.B.



PIER #2 N.B.

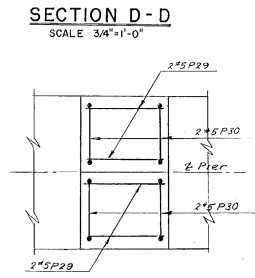
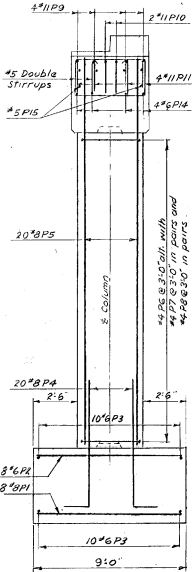
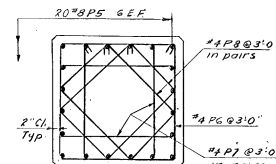
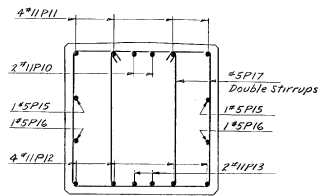
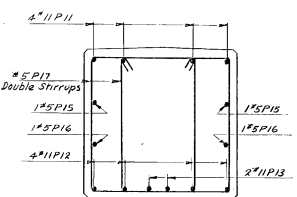
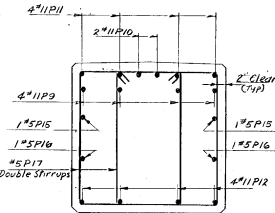
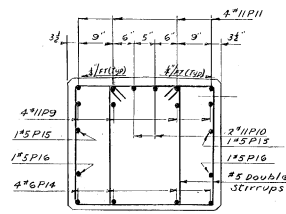
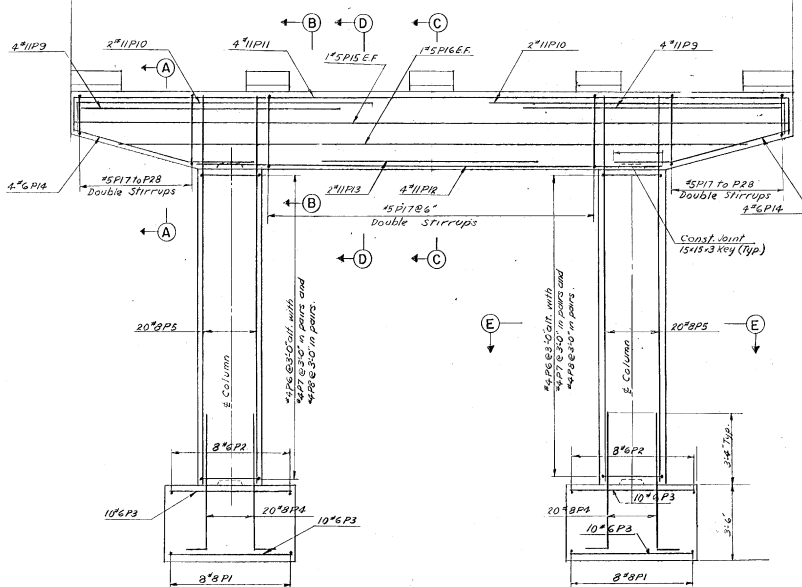
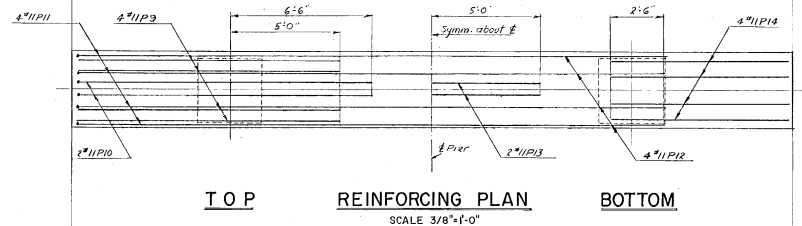
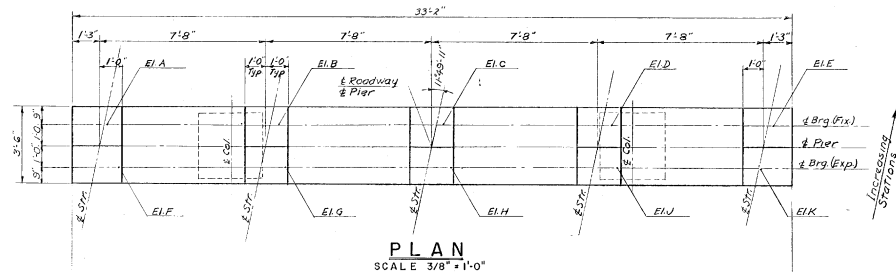
ESTIMATED QUANTITIES									
			NORTH BOUND						
ITEM #	ITEM	UNIT	PIER #1			PIER #2			
			NEAT	OVRERRUN	TOTAL	NEAT	OVRERRUN	TOTAL	
34	107 Structure Excavation	C.Y.	44	0	44	40	0	40	
44	4018 Concrete Class B (Modified)	C.Y.	44	0	44	40	0	40	
402	Reinforcing Steel	Lbs.	See Bar Schedule Sheet # B-9						
407	Asphaltic Asbestos Coating	S.Y.	43	0	43	40	0	40	
			SOUTH BOUND						
ITEM #	ITEM	UNIT	PIER #1			PIER #2			
			NEAT	OVRERRUN	TOTAL	NEAT	OVRERRUN	TOTAL	
34	107 Structure Excavation	C.Y.	44	0	44	40	0	40	
44	4018 Concrete Class B (Modified)	C.Y.	44	0	44	40	0	40	
402	Reinforcing Steel	Lbs.	See Bar Schedule Sheet # B-9						
407	Asphaltic Asbestos Coating	S.Y.	43	0	43	40	0	40	

NOTES

- For General Notes see Sheet B-1
- For Pier Details see Sheet B-2
- All elevations looking toward increasing stations.
- For bearing elevations see sheet #122
- Maximum allowable footing pressure equals 5 tons/sq ft
- Footings shall be constructed entirely on ledge unless otherwise directed in writing by the engineer.

BE. 2 of 10

STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
INTERSTATE PROJECT IN THE TOWNS OF WINOOSKI COLCHESTER			
OVERPASS STA. 2248+33.22 U.S. ROUTE 2 & 7 PIER ELEVATIONS			
BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.			
DRAWN BY CHECKED BY D.B.	IN CHARGE DATE	SCALE 1/4" = 1'-0"	
PROJECT NO. J 89-3 (S)		SHEET 121 OF 120	



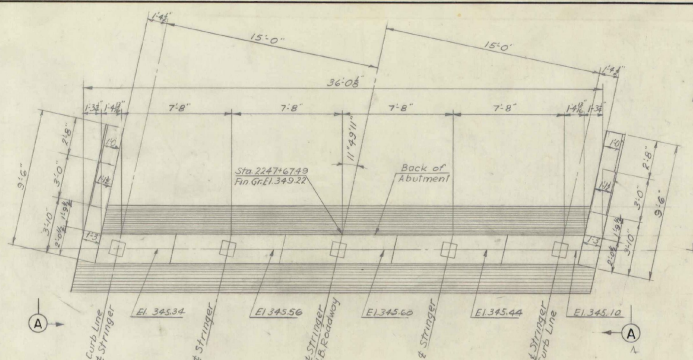
BEARING ELEVATIONS				
ELEV.	NORTH BOUND	SOUTH BOUND	PIER #1	PIER #2
A	345.71	349.08	345.13	348.50
B	344.05	349.42	345.47	348.85
C	344.21	349.59	345.63	349.00
D	344.17	349.54	345.57	348.94
E	345.95	349.32	345.34	348.74
F	346.30	349.40	345.72	349.17
G	346.64	349.89	346.06	349.63
H	346.80	349.77	346.22	349.59
J	346.76	349.73	346.18	349.55
K	346.54	349.71	346.94	349.13

NOTES

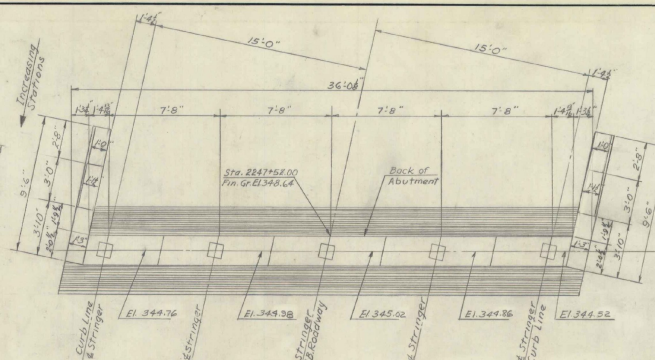
1. For General Notes see Sheet #BR.1
2. For pier elevations see Sheet #BR.2
3. For estimate of quantities see sheet #BR.2
4. For finish grade elevations & centerlines of piers see sheet #BR.1

BR. 3 of 10

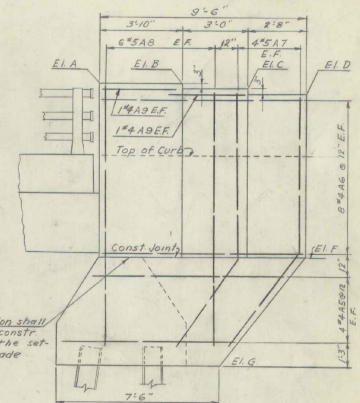
STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWNS OF WINOOSKI, COLCHESTER	
OVERPASS STA. 2248+33.22 U.S. ROUTE 2 & 7 TYPICAL PIER DETAILS	
BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.	
DRAWN BY: A.T.	IN CHARGE: A.T.
CHECKED BY: D.B.	DATE: 10/1/77
PROJECT NO. 189-3(4)	SHEET 122 OF 150



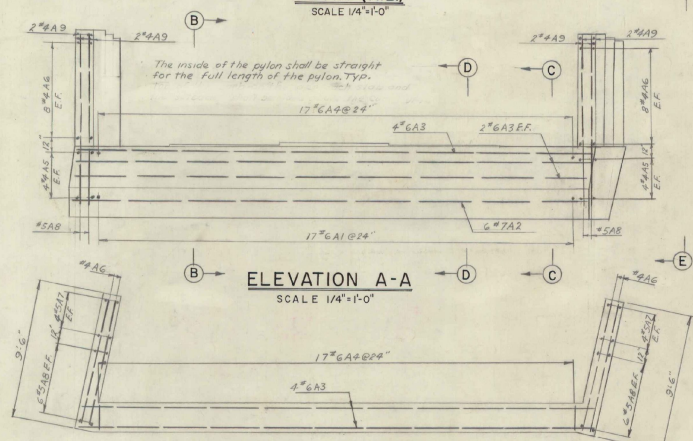
PLAN (N.B.)
SCALE 1/4" = 1'-0"



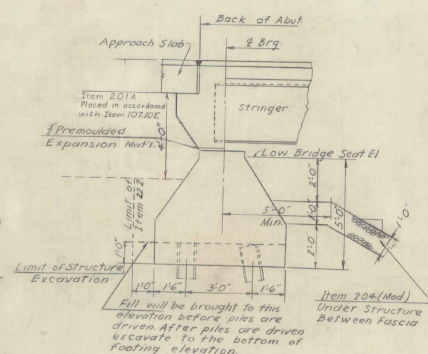
PLAN (S.B.)
SCALE 1/4"=1'-0"



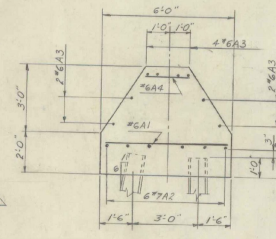
SECTION E-E
SCALE 3/8"=1'-0"



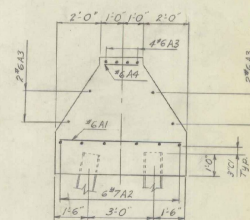
ELEVATION A-A
SCALE 1/4" = 1'-0"



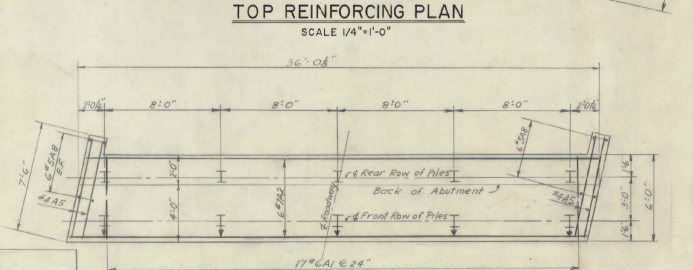
SECTION B-B
SCALE 3/8"=1'-0"



SECTION C-C
SCALE 3/8" = 1'-0"



SECTION D-D
SCALE 3/8"=1'-0"



BOTTOM REINFORCING & PILE PLAN
SCALE 1/4" = 1'-0"

ELEV.	NORTH BOUND		SOUTH BOUND	
	LEFT PYLON	RIGHT PYLON	LEFT PYLON	RIGHT PYLON
A	353.11	353.37	352.83	352.78
B	352.91	353.22	352.38	352.64
C	352.60	352.86	352.02	352.28
D	352.25	352.51	351.67	351.93
E				
F	345.10	345.34	344.52	344.76
G	340.10	340.10	339.52	339.52

FINAL		ESTIMATED QUANTITIES						A/B	
N.Bnd.		ITEM	UNIT	NORTH TOTAL		SOUTH TOTAL		S.Bnd.	
ITEM #				NEAT	OVERRRN TOTAL	NEAT	OVERRRN TOTAL		
11	107	Structure Excavation	C.Y.	42.2	42.2	113.2	113.2	113.2	11
41	401B	Concrete Class B (Mod)	C.Y.	42.2	42.2	113.2	113.2	113.2	41
1905	402	Reinforcing Steel	Lbs.	See Bar Schedule	Sheet = 82				1,894
33	407	Asphaltic Asbestos Coating	Sq. Yd.	42.2	42.2	113.2	113.2	113.2	33
278	503	Spices For Street Paving	Ton	42.2	42.2	113.2	113.2	113.2	278
278	504	Steel H Piling (28p33)	L.F.	300.0	300.0	350.0	350.0	350.0	303
12	222	Gravel Backfill	C.Y.	12.0	12.0	12.0	12.0	12.0	12

NOTES

1. For General Notes see Sheet #821
2. For Additional Details see 58-10-60 58-22-60
3. Left and Right are determined by looking toward increasing stations.
4. Indicates Piles Battered.

BR. 4 of 10

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

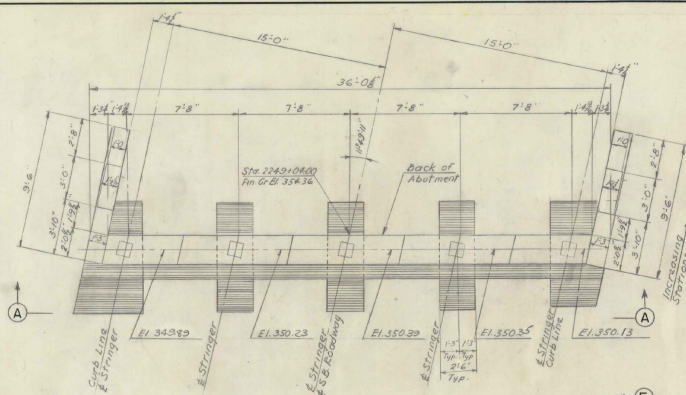
INTERSTATE PROJECT IN THE TOWNS OF
WINOOSKI, COLCHESTER

OVERPASS STA. 2248 +33.22
U. S. ROUTE 2 & 7
SOUTH ABUTMENTS DETAILS

BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.

DRAWN BY *AT* IN CHARGE *ADD* SCALE AS SHOWN
CHECKED BY *DB* DATE
PROJECT NO. *I 89-315* SHEET *123* OF *150*

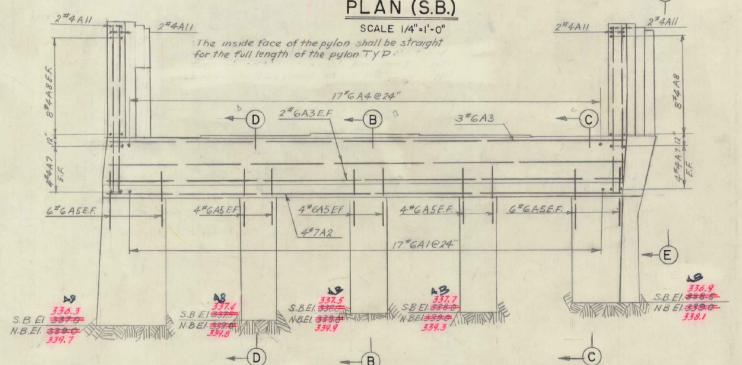
NOTE!
5 Piles Battered
5 Piles Vertical
10 - 35" Steel Piles Each Abutment
Estimate Average Pile Length
Northbound 30 FT
Southbound 35 FT



PLAN (S.B.)

SCALE 1/4"=1'-0"

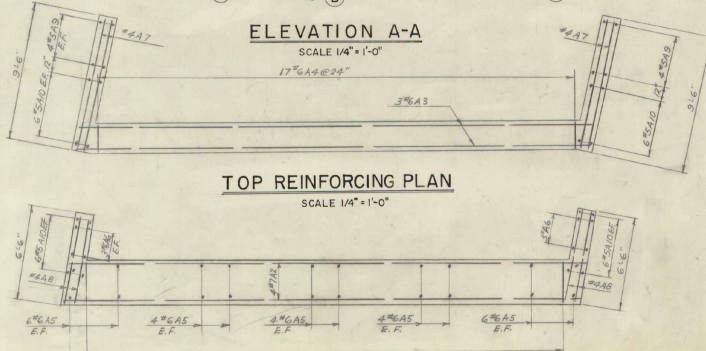
The inside face of the pylon shall be s
for the full length of the pylon TYP



ELEVATION A-A

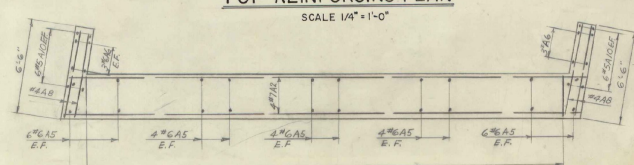
SCALE 1/4" = 1'-0"

17th GA 4 @ 24"



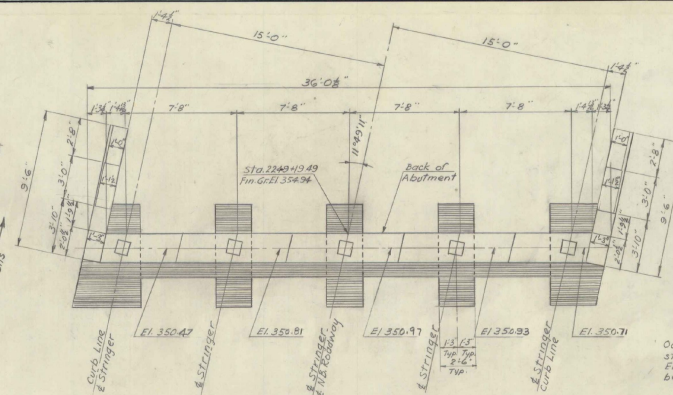
TOP REINFORCING PLAN

SCALE 1/4" = 1'-0"



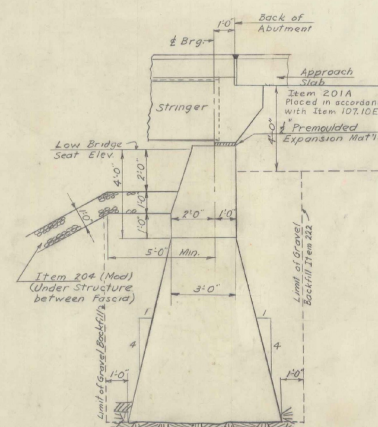
BOTTOM REINFORCING PLAN

SCALE 1/4" = 1'-0"



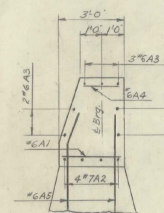
PLAN (N.B.)

SCALE 1/4"=1'-0"



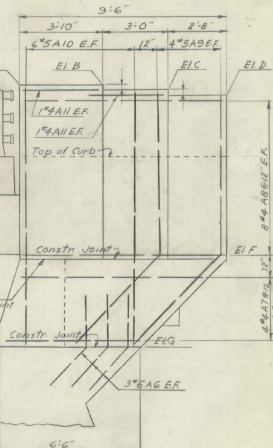
SECTION B-B

SCALE $3/8" = 1'-0"$



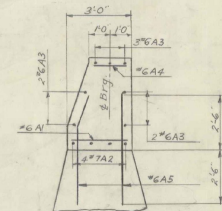
SECTION C-C

SCALE $3/8" = 1' - 0"$



SECTION E-E

SCALE 3/8"=1'-0"



SECTION D-D

SCALE $3/8" = 1'-0"$

ELEV.	NORTH BOUND		SOUTH BOUND	
	LEFT PYLON	RIGHT PYLON	LEFT PYLON	RIGHT PYLON
A	358.67	358.93	358.09	358.35
B	358.82	359.08	358.23	358.49
C	358.67	358.94	358.10	358.36
D	358.53	358.79	357.95	358.21
F	350.47	350.71	349.89	350.13
G	346.97	346.47	345.89	345.85

NOTES

- NOTES
1. For General Notes see Sheet "B" E 1
 2. For additional details see Sheet "B" 26-40; SB-22-60
 3. Footings shall be constructed entirely on ledge unless otherwise directed in writing by the engineer.
 4. Maximum allowable footing pressure equals 5 tons/sq ft
 5. Left and Right are determined by looking toward increasing stations.

BR. 5 of 10

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN THE TOWNS OF
WINOOSKI, COLCHESTER

OVERPASS STA. 2248+33.22
U.S. ROUTE 287

NORTH ABUTMENTS DETAILS

DRAWN BY <u>A.P.</u>		IN CHARGE <u>A.P.</u>	SCALE AS SHOWN
CHECKED BY <u>D.B.</u>		DATE	

ESTIMATED QUANTITIES					
ITEM #	ITEM	UNIT	NORTH	SOUTH	
			BOUND	BOUND	
			NEAT	NEAT	
			OVERRUN	OVERRUN	
			TOTAL	TOTAL	
107	Structure Excavation	C.Y.	84	100	85
401B	Concrete Class 3 Mod	C.Y.	84	100	85
402	Reinforcing Steel	Lb.	see Schedule	Sheet # BR 2	
407	Asphaltic Asbestos Coating	Lb.	-	40	40
222	Gravel Backfill	C.Y.	83	65	65

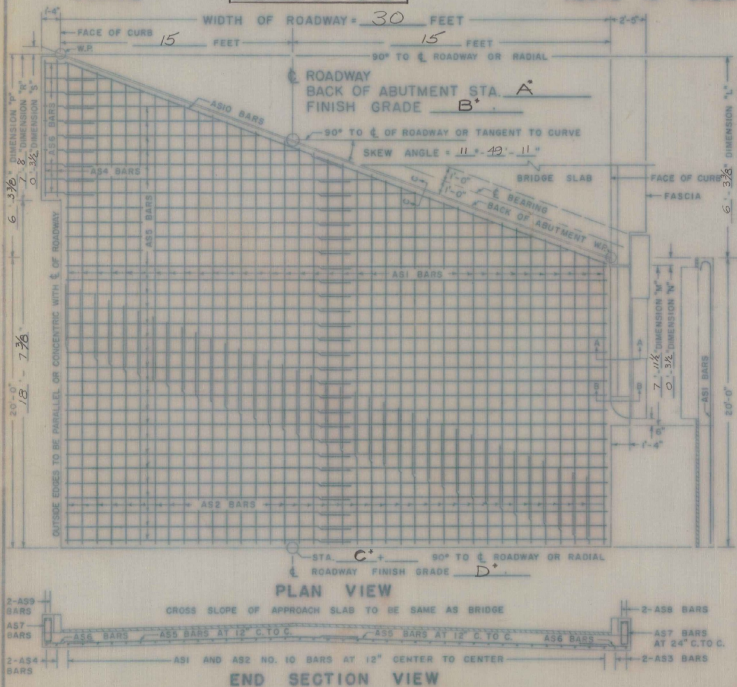
FINAL 

N. Bnd.	S. Bnd.
---------	---------

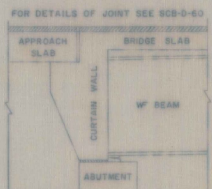
48	36
----	----

51	61
2,002	1,991
33	33

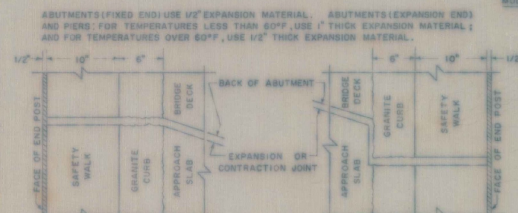
3.3	3.3
39	49



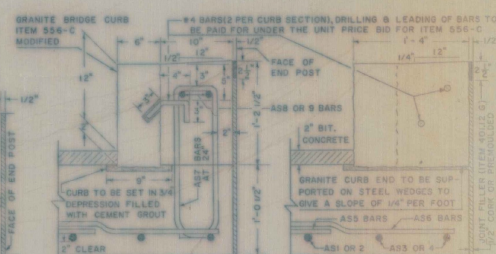
Pt.	NORTH BOUND		SOUTH BOUND	
	APPR. # 1	APPR. # 2	APPR. # 1	APPR. # 2
A	224717.45	224719.45	224752.00	224740.00
B	349.22	354.34	348.64	354.36
C	224744.35	224742.63	2247128.86	2247127.16
D	348.35	355.81	347.77	355.23



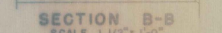
SECTION C-C
SCALE 1/2" = 1'-0"



CURB ENDS & JOINT DETAIL



SECTION A-A
SCALE 1/4" = 1'-0"



SCALE 1/2" = 1' 0"

DETAILS OF REINFORCING BARS

TYPE I

A = 1'-1" J = 0'-9"

B = 19'-6" OR VARIES

A

J

B

SCALE 1/2" = 1' 0"

DETAILS OF REINFORCING STEEL

TYPE SS C

A = 0'-6" B = 1'-9" C = 0'-6" D = 1'-9" G = 0'-6"

B

D

A

G

ITEM NO.	ITEM	UNIT	NET	OVERLAP	TOTAL	FINAL
318	TAR EMULSION FOR BRIDGE FLOORS	GAL	31		31	*
301-B	BITUMINOUS CONCRETE PAVEMENT (MOD.)	TONS	9	2	11	*
401-B	CONCRETE CLASS B (MOD.)	CU YD	28.8	12	40.8	28
402	REINFORCING STEEL	LB	4993		4993	4993
501	REINFORCING STEEL CURB (MOD.)	LB			164	164
					TOTAL WEIGHT	4032.96

QUANTITY		COMPUTATION	
W = WIDTH OF ROADWAY	Z = 20 + DIMENSION $\frac{W+H}{2}$	T = DIMENSION $\frac{W+H}{2}$	
<u>30</u>	<u>23.134</u>	<u>7.812</u>	
BITUMINOUS CONCRETE "W" x 20.0123 TONS		<u>30. + 23.134 + 0.0443</u>	<u>9 TONS</u>
TRA EMULSION "W" x 20.0444 GALLONS		<u>30. + 23.134 + 0.0125</u>	<u>31 GALLONS</u>
CONCRETE CLASS B "W" x 20.0386 + T x 0.1029 + (T - 1.8333) x 0.0733			<u>CUBIC YARDS</u>
<u>[30. + 23.134 + 0.0386]</u>	<u>7.812 + 0.1029</u>	<u>[7.812 - 1.8333] x 0.0733</u>	<u>2.8 CUBIC YARDS</u>
GRAINTE BROCK BARS "RT" + 0.5" + LINEAR FEET		<u>RT 7.812 + 0.25</u>	<u>+ 16 LINEAR FEET</u>
AND AN OVERRUN OF 15% TO BIT-SYSTEM AND AN OVERRUN OF 5% TO CONCRETE CLASS B			
BAR LENGTHS: 233 BARS - DIMENSION "W" - "D" - "E"			
A54 BARS - DIMENSION "W" - "D" - "E"			
A56 BARS - "D" - "E"			
A57 BARS - "D" - "E"			
A58 BARS - DIMENSION "W" - "D" - "E"			
A59 BARS - DIMENSION "W" - "D" - "E"			

REVISIONS AND CORRECTIONS

APPROVED

DRAWN BY: R.S. HAUPT NOV. 1960

TRACED BY: R.S. HAUPT NOV. 1960

CHECKED BY: A.H. SMALLEY NOV. 1960

DETAILS OF APPROACH SLAB
FOR 30 FOOT BRIDGE
(WIDTH)
TO BE USED FOR BRIDGE AT STATION 2248+33.22 OVERPASS
LOCATION APPROACH SLAB #1/2 NB - 1/2 S.B.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
STANDARD STRUCTURE

SB-AS-60

TOWN OF WINDOOSKI COLCHESTER
ROUTE NO. I-89
LOG STA. _____

SCALE AS NOTED
DESIGNED BY G.VIK CHECKED BY AGC
PROJECT NO. I-89-3(15)
BR. 7 OF 10 SHEET 125A OF 150

FED. ROAD DIV. NO.	STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
	VERMONT	1-89-3 (15)	126	150

BORING NO.	GROUND ELEV.	LEDGE ELEV.
A7	342.4	341.4
A8	351.1	339.1
A9	343.8	341.8
A10	343.2	338.7
B7	336.4	333.4
B5	334.8	333.5
B6	332.9	331.9
B7	331.8	330.8
B8	329.8	329.8
B9	329.8	328.8
B10	328.4	326.9
C9	330.7	327.7
C4	328.3	325.3
C5	327.0	325.0
C6	326.4	323.4
C7	326.0	324.0
C8	325.3	320.8
C9	324.2	317.2
D2	327.1	323.1
D3	326.0	322.0
D4	324.7	320.7
D5	324.2	319.7
D6	323.8	317.8
D7	323.5	314.5
D8	322.7	312.7
1	340.6	337.7
2	341.5	338.5
3	342.4	339.2
4	344.6	340.2
5	345.8	339.8
6	346.0	339.9

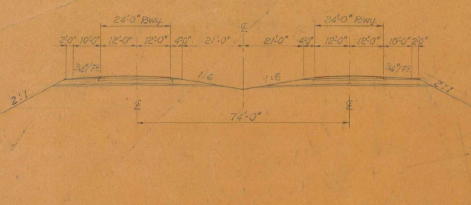


BORING LOCATION PLAN
SCALE - 1" = 20'-0"

BRB of 10

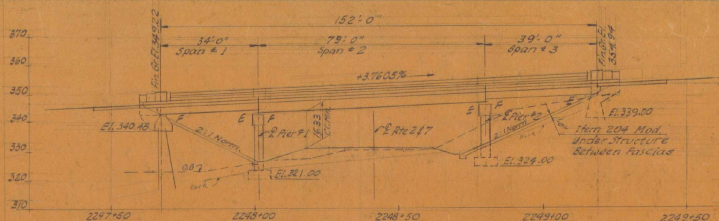
STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
INTERSTATE PROJECT IN THE TOWNS OF WINOOSKI, COLCHESTER			
OVERPASS STA. 2248+33.22 U. S. ROUTE 2 & 7 BORING LOGS			
BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.			
DRAWN BY J.S.	IN CHARGE A.J.T.	DATE	SCALE AS SHOWN
CHECKED BY A.J.T.			
PROJECT NO. 1-89-3(15)	SHEET	126	OF 150

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS



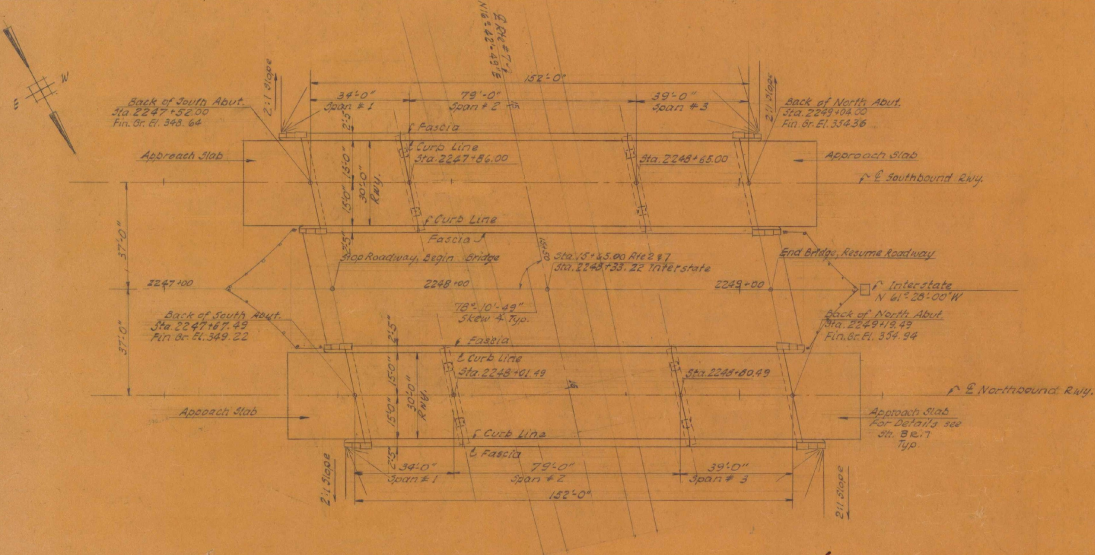
NEW HIGHWAY SECT. STA. 2246+50 TO STA. 2247+00

SCALE: 1" = 20'-0"

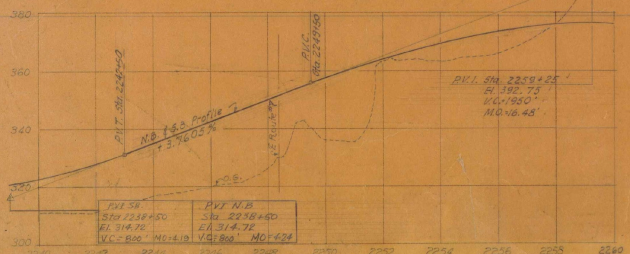


NEW HIGHWAY PROFILE ALONG N.B. R.W.Y.

SCALE: 1" = 20'-0"

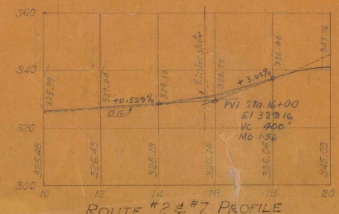


PLAN Scale: 1" = 20'-0"



INTERSTATE PROFILE

Scale: 1" = 20'-0"



ROUTE #24 PROFILE

Scale: 1" = 20'-0"

PROJECT NO. 189-3(16) LOCATION STA. 2247+32.75 TO STA. 2249+11.75

EXISTING STRUCTURE

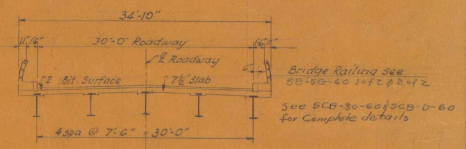
1. RATED LOADING OF EXISTING STRUCTURE: NONE
2. TYPE OF EXISTING STRUCTURE: ---
3. UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE: ---
4. WHEN DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE: ---
5. SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE: ---
6. SHOULD NEW TEMPORARY STRUCTURE BE BUILT: ---
7. ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE: --- WATERWAY TO ORDINARY H.W.
8. EXTREME HIGH WATER AT EXISTING STRUCTURE: --- WATERWAY TO EXTREME H.W.
9. SPAN OF EXISTING BRIDGE, UPSTREAM: ---
10. TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS: ---
11. DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE: ---
12. IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED: ---
13. ADDITIONAL WATERWAY AREA PROVIDED: ---

NEW STRUCTURE

1. RECOMMENDED TYPE OF STRUCTURE: Span simple supported, composite beam construction
2. RECOMMENDED CLEAR SPAN OR SPANS: ---
3. MEASURED PARALLEL TO & NEW HIGHWAY: 30'-2 1/2"; 75'-5 1/2"; 35'-2 1/2"
4. MEASURED AT RIGHT ANGLES TO & STREAM: ---
5. ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO: ---
6. ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE: ---
7. EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE: --- SOURCE OF INFORMATION: ---
8. IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE: ---
9. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY: --- IS ORDINARY RISE RAPID: ---
10. LOW WATER ELEVATION AT NEW STRUCTURE: ---
11. DRAINAGE AREA IN ACRES ABOVE STRUCTURE: --- CHARACTER OF TERRAINE: ---
12. IS STREAM EVER DRY: ---
13. VELOCITY OF STREAM AT HIGH WATER STAGE: --- ESTIMATED DISCHARGE: ---
14. AREA FULL OPENING: --- AREA BELOW ORDINARY H.W.: ---
15. CHARACTER OF SOIL: --- DRIFT: --- ICE: ---
16. ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE: ---
17. VERTICAL CLEARANCE ABOVE FLOOD ELEVATION: ---
18. ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE: No BOTH SIDES
19. RECOMMENDED TYPE OF PAVEMENT: 2 1/2" Reinforced Conc. & 2" Bituminous Conc.
20. TRAFFIC TO BE MAINTAINED UNDER ITEM NO. No ONE OR TWO WAYS PROBABLE OUT
21. PROBABLE COST OF CLEARING AND BRIDGING STREAM CHANNEL AT STRUCTURE SITE: ---
22. SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES: No
23. ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS: --- SHOULD PILES BE USED: Yes EST. LENGTH: 30'-0"

FOUNDATION INFORMATION

1. FOR BRIDGES SEE 5th & 7th of 150
2. DESIGN LOADING: H-20 + S16 + 44 Modified for National System of Interstate Highways



SECTION A-A (DE) Scale: 1" = 10'-0"

BR 10 of 10

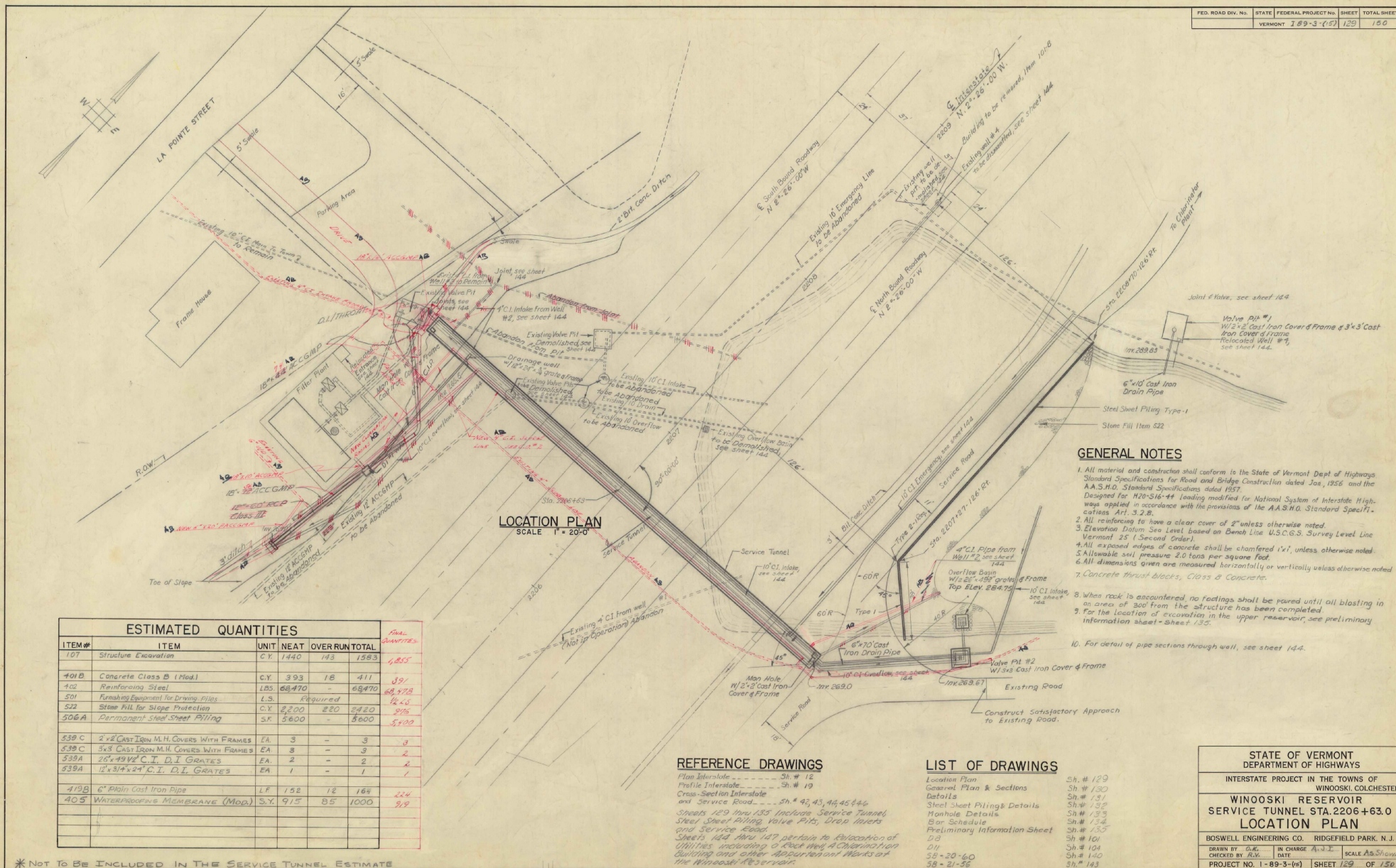
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE IN THE TOWNS OF
Winchester, Colchester

ROUTE NO. 89 ALSO STA.

OVERPASS STA. 2249+32.75
WINCHESTER INTERCHANGE

DESIGNED BY: M. J. ...
PROJECT NO. 189-3(16) SHEET NO. 10 OF 10



ESTIMATED QUANTITIES				
ITEM #	ITEM	UNIT	NEAT	OVER RUN TOTAL
107	Structure Excavation	C.Y.	1440	143 1583
40B	Concrete Class B (Mod.)	C.Y.	393	18 411
402	Reinforcing Steel	LB.	68470	- 68470
301	Turnkey Equipment for Driving Piles	L.S.	Required	1245
522	Stone Fill for Slope Protection	C.Y.	2200	220 2420
506A	Permanent Steel Sheet Piling	SF	5600	- 5600
539C	2x2 Cast Iron M.H. Covers With Frames	EA	3	- 3
539C	3x3 Cast Iron M.H. Covers With Frames	EA	8	- 8
539A	26x49V2 C.I. D.I. GRATES	EA	2	- 2
539A	12x31x24 C.I. D.I. GRATES	EA	1	- 1
419B	6" Plain Cast Iron Pipe	LF	152	12 164
405	Waterproofing Membrane (Mod.)	S.Y.	915	85 1000

GENERAL NOTES

- All material and construction shall conform to the State of Vermont Dept. of Highways Standard Specifications for Road and Bridge Construction dated Jan. 1956 and the A.A.S.H.O. Standard Specifications dated 1957. Designed for H20-S16-44 loading modified for National System of Interstate Highways applied in accordance with the provisions of the A.A.S.H.O. Standard Specifications Art. 3.2.8.
- All reinforcing to have a clear cover of 2" unless otherwise noted.
- Elevation Datum Sea Level based on Bench Line U.S.C.G.S. Survey Level Line Vermont 25 (Second Order).
- All exposed edges of concrete shall be chamfered 1"x1", unless otherwise noted.
- Allowable soil pressure 2.0 tons per square foot.
- All dimensions given are measured horizontally or vertically unless otherwise noted.
- Concrete thrust blocks, Class B Concrete.
- When rock is encountered, no findings shall be panned until all blasting in an area of 30d from the structure has been completed.
- For the location of excavation in the upper reservoir, see preliminary information sheet - Sheet 135.
- For detail of pipe sections through well, see sheet 144.

REFERENCE DRAWINGS

- Plan Intersect - Sh. # 12
- Profile Intersect - Sh. # 19
- Cross-Section Interstate and Service Road - Sh. # 43, 43, 44, 44, 44
- Sheets 129 thru 135 include Service Tunnel, Steel Sheet Piling, Valve Pits, Drop Towers and Service Road
- Sheets 144 thru 147 pertain to Relocation of Utilities including a Rock Wedge Characterization Study and other Abandonment Marks on the Winooski Reservoir

LIST OF DRAWINGS

- Location Plan - Sh. # 129
- General Plan & Sections - Sh. # 130
- Details - Sh. # 131
- Steel Sheet Piling Details - Sh. # 132
- Manhole Details - Sh. # 133
- Bar Schedule - Sh. # 134
- Preliminary Information Sheet - Sh. # 135
- D.I. - Sh. # 101
- D.I. - Sh. # 104
- 50-20-60 - Sh. # 140
- 50-21-50 - Sh. # 143

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

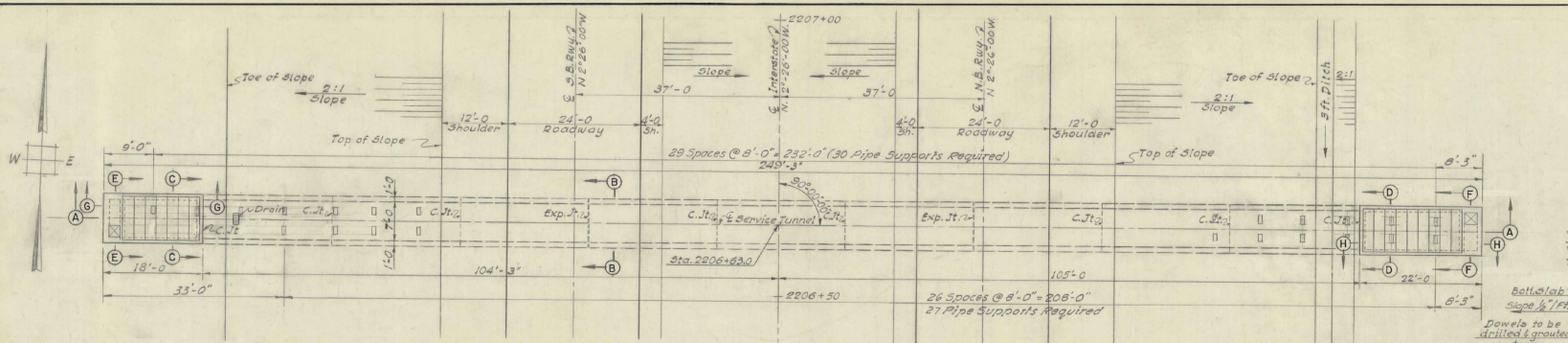
INTERSTATE PROJECT IN THE TOWNS OF
WINOOSKI, COLCHESTER

WINOOSKI RESERVOIR
SERVICE TUNNEL STA. 2206+63.0
LOCATION PLAN

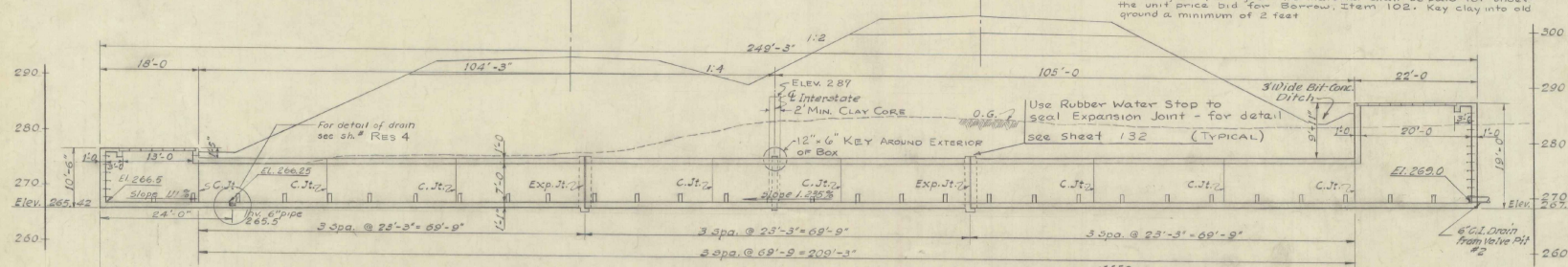
BOSWELL ENGINEERING CO., RIDGEFIELD PARK, N.J.

DRAWN BY G.M. IN CHARGE A.J.L. SCALE AS SHOWN
CHECKED BY R.M. DATE
PROJECT NO. 1-89-3 (152) SHEET 129 OF 150

* NOT TO BE INCLUDED IN THE SERVICE TUNNEL ESTIMATE



PLAN
SCALE 1"=10'-0"



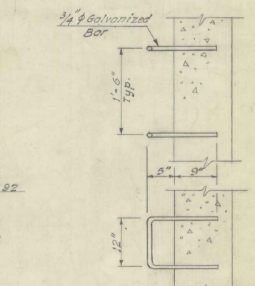
SECTION A-A
SCALE 1"=10'-0"

ESTIMATED QUANTITIES				
ITEM#	ITEM	UNIT	NEAT	OVER RUN TOTAL
107	Structural Excavation	C.Y.	1284	128 1412
401B	Concrete Class "B"	C.Y.	336	16 352
402	Reinforcing Steel	LBS	See Bar Sched	5474
405	Waterproofing Membrain (Mod.)	S.Y.	795	73 268

The contractor shall furnish and install anchor bolts (see sheet # 132 as directed by the engineer.

PIPE SUPPORT DETAIL
SCALE 1"=1'-0"

2" Required
Max. Spacing 8'-0" c-c



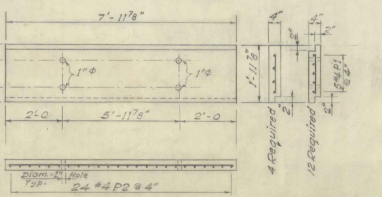
DETAIL OF STEP
SCALE 1"=1'-0"

NOTES

1. For General Notes see Sh # 129
2. For Details of Sections GG, EE, FF and HH see Sh # 131
3. For Quantities see Sh # 129
4. For Bar Schedule see Sh # 134
5. All Lifting Devices & Steps to be included in the price for Concrete Class B Item 401B.
6. The location of the pipe supports shall be as directed by the Engineer in the field.
7. The unexposed outside surface of the Service Tunnel shall be coated with Waterproofing Membrain (Mod.), Item 405.
8. For construction & Expansion Joint Details see SB-21-SG

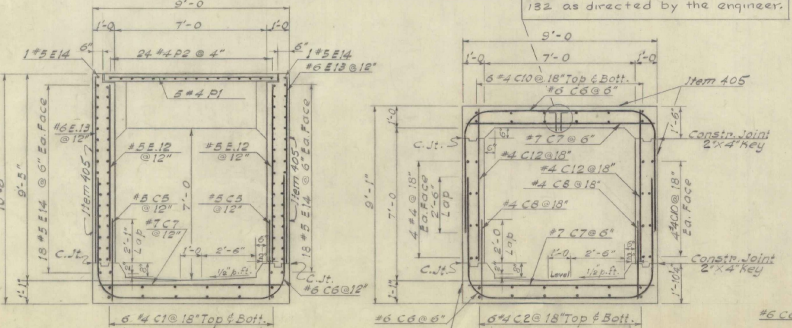
LIFTING DEVICE FOR PLANK
SCALE 1"=1'-0"

32 Required

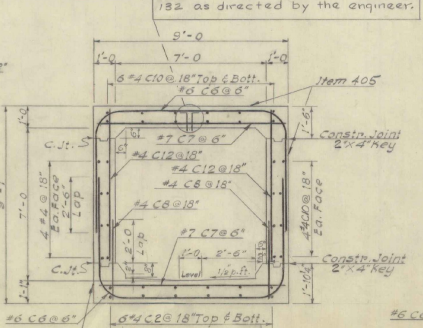


CONCRETE PLANK DETAIL
SCALE 1/2"=1'-0"

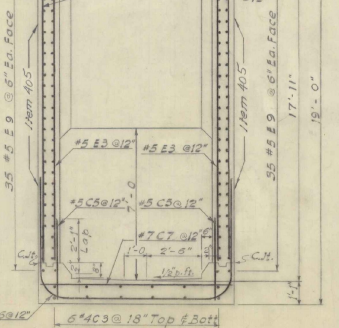
12 Required with 2 Edges Stepped
4 Required with Square Ends on Edge on one Side
730# each



SECTION C-C
SCALE 3/8"=1'-0"



SECTION B-B
SCALE 3/8"=1'-0"



SECTION D-D
SCALE 3/8"=1'-0"

SECTION G-G
SCALE 3/8"=1'-0"

SECTION E-E
SECTION F-F
SCALE 3/8"=1'-0"

SECTION H-H
SCALE 3/8"=1'-0"

PLAN VIEW J-J
SCALE 1/2"=1'-0"

NOTES

- For general notes see sh. # 129
- For location of sections EE-FF-GG-HH see sh. # 130
- For quantities see sh. # 129
- For bar schedule see sh. # 131
- For additional details see sh. # 131: 56
- The unexposed outside surface of the Service Tunnel shall be coated with waterproofing membrane (Refer to Section 05050).

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN THE TOWNS OF
WINOOSKI COLCHESTER

WINOOSKI RESERVOIR
SERVICE TUNNEL STA. 2206+63.0
DETAILS

BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.

DRAWN BY A.J.T. IN CHARGE A.J.T. DATE
CHECKED BY A.J.T. DATE
PROJECT NO. 189-3(15) SHEET 131 OF 180

1. For general notes see sh. # 129
2. For location of sections EE-FF-GG-HH see sh. # 130
3. For quantities see sh. # 129
4. For bar schedule see sh. # 134
5. For additional details see sh. 38-40-41-42
6. The unexposed outside surface of the Service Tunnel shall be coated with waterproofing Mastic, Type AOS (MSR).

BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.
DRAWN BY R.V. IN CHARGE A.J.I. SCALE As Shown
CHECKED BY A.J.I. DATE _____
PROJECT NO. 189-3/15 SHEET 131 OF 150

ns

WATER STOP DETAIL

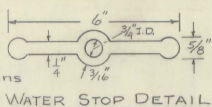
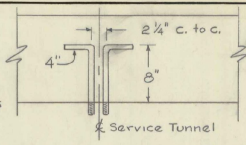
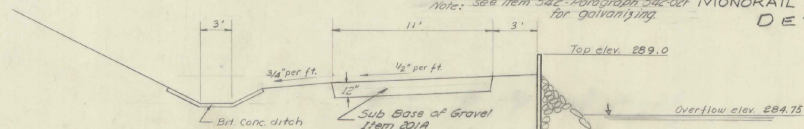


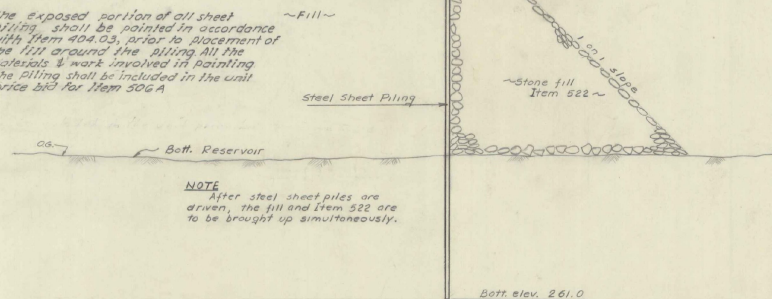
Diagram illustrating the layout of a service tunnel. The shafts are 8 inches apart center-to-center. The horizontal branches are 4 inches wide. The distance between the centers of the shafts is labeled as 2 1/4 inches C. to C. The shafts are labeled "Service Tunnel".



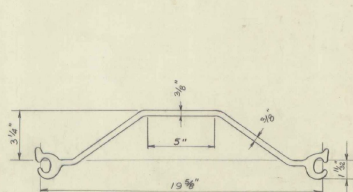
Approx. 80 $\frac{3}{4}$ " x 14" bolts.
Note: see Item 542-Paragraph 542-02F MONORAIL ANCHOR BOLT
for galvanizing.



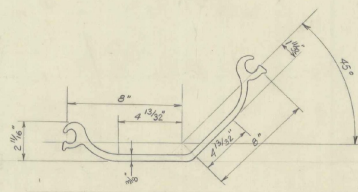
The exposed portion of all sheet piling shall be painted in accordance with Item 404.03, prior to placement of the fill around the piling. All the materials & work involved in painting the Piling shall be included in the unit price bid for Item 506 A.



STEEL SHEET PILING ELEVATION
SCALE 1/4" = 1'-0"

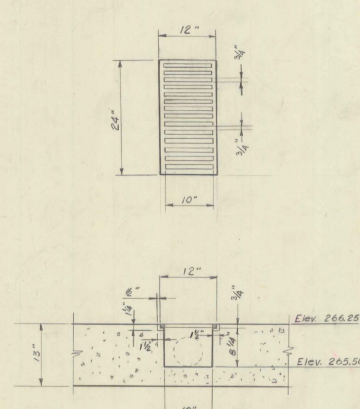


STEEL SHEET PILE TYPE #1
SCALE N.T.S.



STEEL SHEET PILE TYPE #2
SCALE N.T.S.

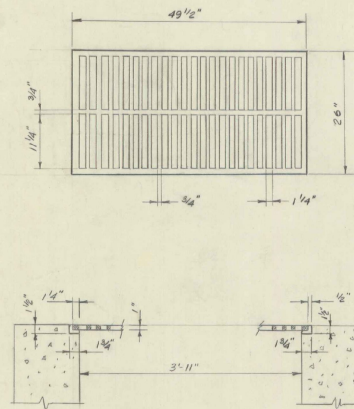
ESTIMATED QUANTITIES						Final
ITEM#	ITEM	UNIT	NEAT	OVER RUN	TOTAL	
506A	Permanent Steel Sheet Piling	S.F	5660	-	5660	5660
501	Furnishing Equip for Driving Piling	L.S	Required			262.5
622	Stone Fill for Slope Protection	C.Y	2200	220	2420	976



GRATE & FRAME
FOR TUNNEL DRAIN

SCALE 1" = 1'-0"

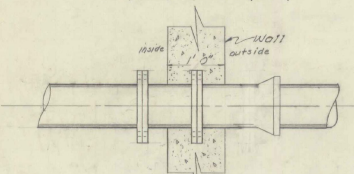
(One frame & one grate required)



GRATE & FRAME
FOR OVERFLOW BASIN

SCALE 1"=1'-0"

SCALE 1"=1'-0"
(One frame & 2 grates required)

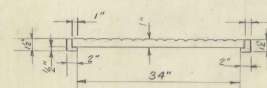


PIPE ENTRANCE DETAIL THROUGH WALL

SCALE 1" = 1'-0"

1. To insure a tight seal at all points where pipes enter the overflow Basin, Service Tunnel, or Valve Pits the pipe couplings entering through the wall shall be cast into the wall when the concrete is poured

3. The Location of each pipe entrance shall be approved by the Engineer at the time of construction.



COVER & FRAME
FOR VALVE PIT 1 & 2

SCALE 1"=1'-0"

SCALE 1-1-0
(One frame & one cover
required for each pit.)

NOTES

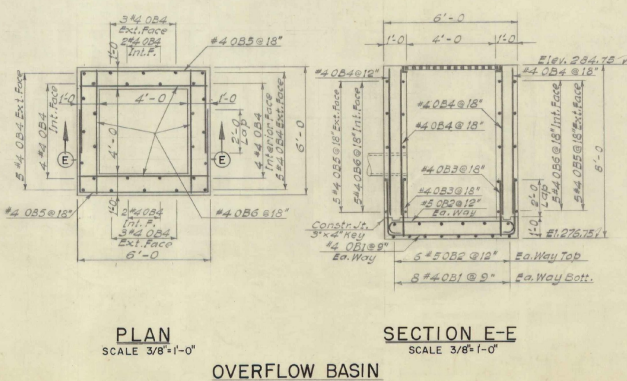
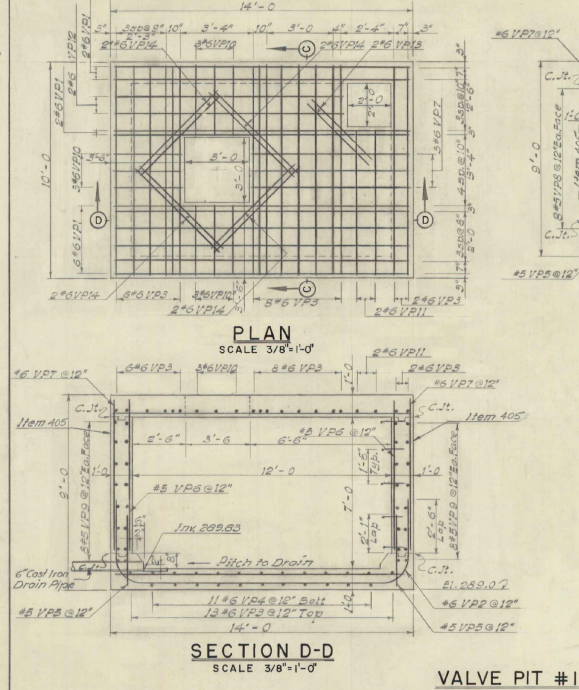
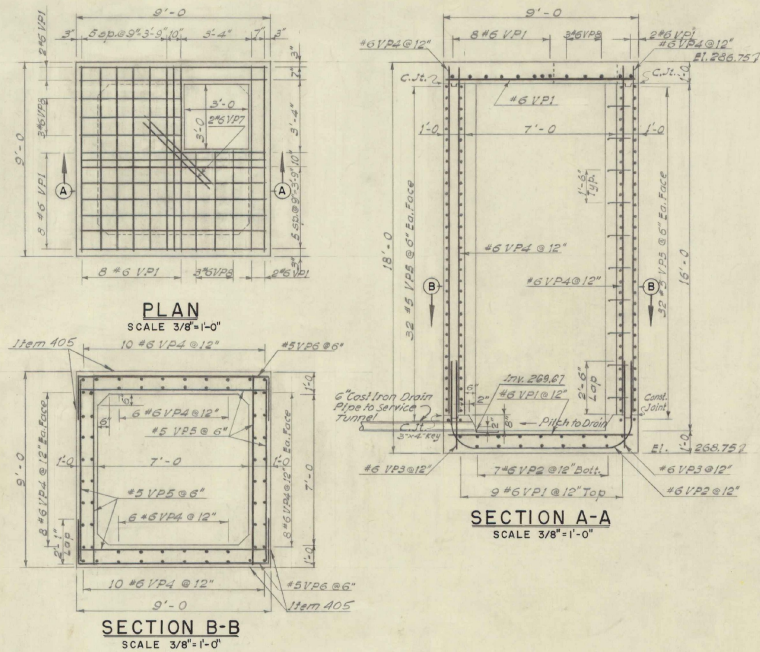
1. For general notes see sh. #129
2. For location of steel sheet piling see sh. #129

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN THE TOWNS OF
WINOOSKI, COLCHESTER
WINOOSKI RESERVOIR
SERVICE TUNNEL STA. 2206+63.0
STEEL SHEET PILING & DETAILS

BOSWELL ENGINEERING CO. RIDGEFIELD PARK, N.J.

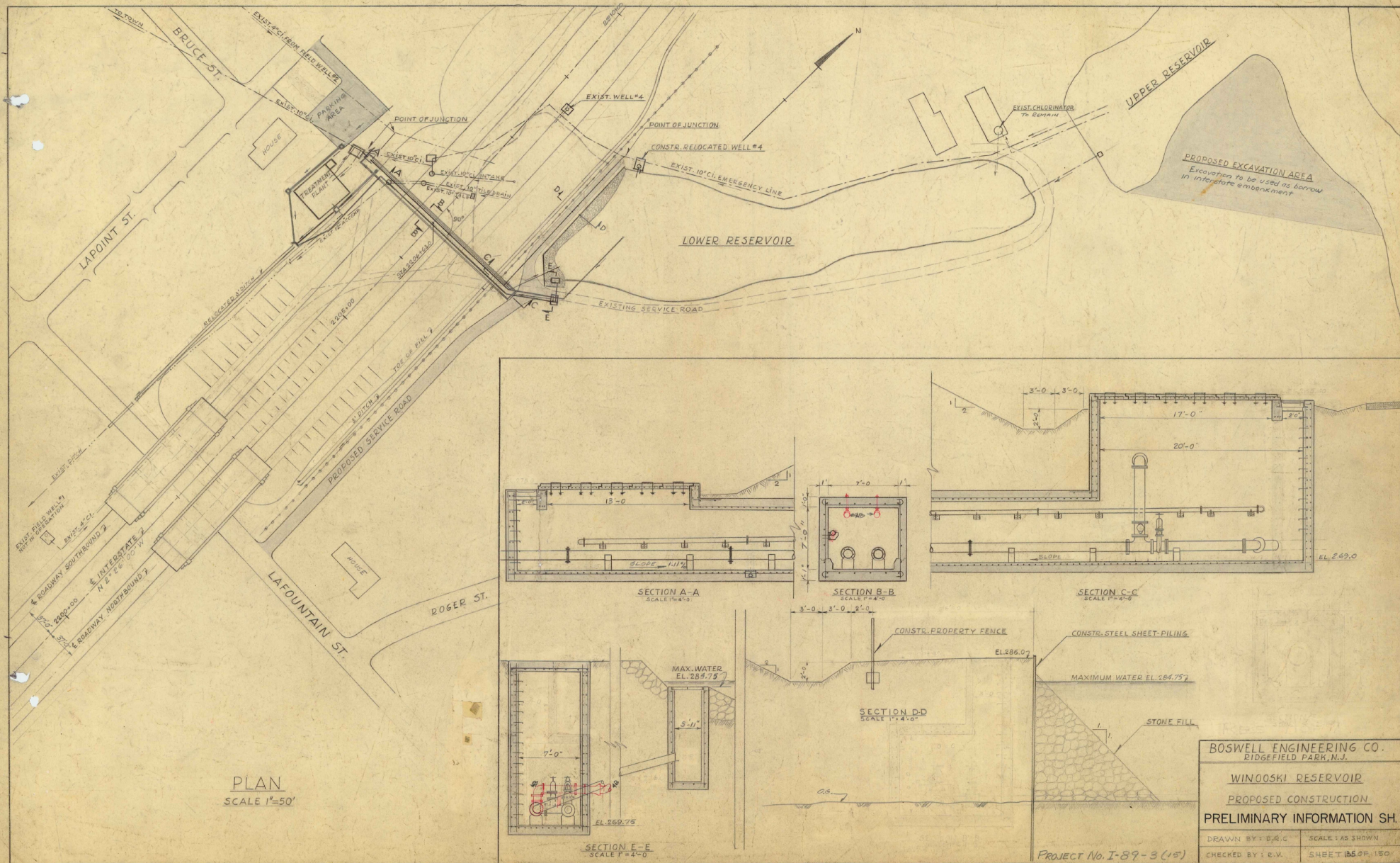
DRAWN BY 8/8 IN CHARGE 8/1 SCALE AS SHOWN
CHECKED BY 8/1 DATE
PROJECT NO. 109-3(15) SHEET 182 OF 180



NOTES

1. For General Notes see Sh. 129
2. For Location of Valve Pits and Overflow Basin see Sh. 129
3. For Details of Grates and Covers see Sh. 134
4. For Details of Steps see Sh. 130
5. For Construction Joint Details see Sh. SB-20-60
6. The unexposed outside surface of Valve Pit #1 and Valve Pit #2 shall be coated with waterproofing membra (Mod.), Item 405

ESTIMATED QUANTITIES						Final
ITEM #	ITEM	UNIT	NEAT	OVER RUN	TOTAL	
VALVE PIT #1						
107	Structure Excavation	C.Y.	64	6	70	
401B	Concrete Class B	C.Y.	23	1	24	
402	Reinforcing Steel	Lb.	See Bar Schedule	Sh. 134		
405	Waterproofing Membran (Mod.)	S.Y.	48	5	53	
VALVE PIT #2						
107	Structure Excavation	C.Y.	81	8	89	
401B	Concrete Class B	C.Y.	27	1	28	
402	Reinforcing Steel	Lb.	See Bar Schedule	Sh. 134		
405	Waterproofing Membran (Mod.)	S.Y.	72	7	79	
OVERFLOW BASIN						
107	Structure Excavation	C.Y.	11	1	12	
401B	Concrete Class B	C.Y.	6	1	7	
402	Reinforcing Steel	Lb.	See Bar Schedule	Sh. 134		
405	Waterproofing Membran (Mod.)	S.Y.	0	0	0	



PLAN
SCALE 1"=50'

SECTION A-A
SCALE 1/4"=1'-0"

SECTION B-B
SCALE 1/4"=1'-0"

SECTION C-C
SCALE 1/4"=1'-0"

SECTION D-D
SCALE 1/4"=1'-0"

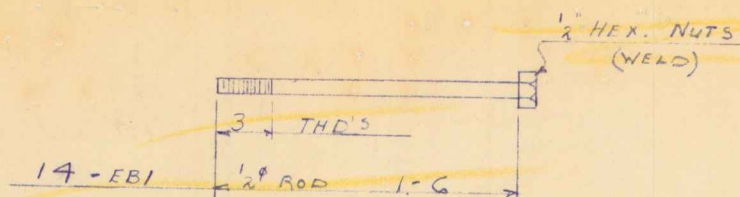
SECTION E-E
SCALE 1/4"=1'-0"

BOSWELL ENGINEERING CO.
RIDGEBURY PARK, N.J.

WINOOKSI RESERVOIR
PROPOSED CONSTRUCTION
PRELIMINARY INFORMATION SH.

DRAWN BY: E.R.C.	SCALE: AS SHOWN
CHECKED BY: E.V.	SHEET 155 OF 150

PROJECT No. I-89-3 (15)



ITEM # 737

PRINT RECORD		
DATE	NO.	FOR
4-3	3	APP

BILL OF MATERIAL

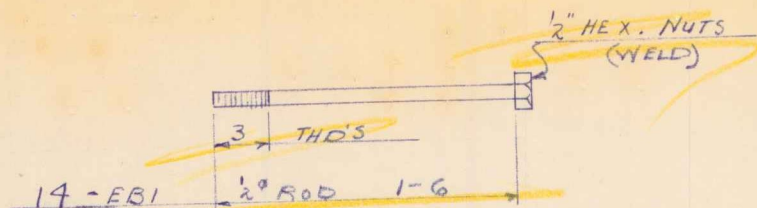
NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
		14- EXPANSION JOINT BOLTS EBI			
14		1/2" ROD	1	6	
14		1/2" HEX NUTS			
		FIELD MAT.			
14		1/2" EXP. SHIELDS 2" MACH. BOLT			
					NO. 110B U.S.E. ORD.

check 4/10/62
R.H.D.
D.H. 4/10/62
E.F.P.

VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DATE		PROJECT
DRAWN BY	DATE	
HP	4-3-62	COLCHESTER BR. I-89-3 (15)
C.K'D BY	4-3-62	LOCATION COLCHESTER, VT.
HOLES		CUSTOMER BECK & BELLUCCI
RIVETS		ARCHITECT STATE OF VT. DEPT OF HIGHWAYS
PAINT	NONE	JOB NO. 62-993-12

approved 4/10/62
J.H.



PRINT RECORD		
DATE	NO.	FOR
4-3	3	APP.

ITEM # 738

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
		14- EXPANSION JOINT BOLTS EBI			
14		1/2" ROD	1	6	
14		1/2" HEX NUTS			
		~ FIELD MAT ~			
14		1" EXP. SHIELDS 2" MACH. BOLTS			
					NO. 1108 U.S.E. CRP.

*check 4/10/62
RWD*

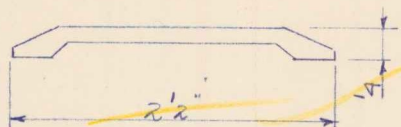
VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DRAWN BY		DATE	PROJECT
HP		4-3-62	COLCHESTER BR. I-89-3 (15)
C.K'D BY		DATE	LOCATION
K		4-3-62	COLCHESTER, VT.
HOLES			CUSTOMER
			BECK & BELLUCCI
RIVETS			ARCHITECT
			STATE OF VT. DEPT. OF HIGHWAYS
PAINT			JOB NO.
NONE			62-493

*approved
4/10/62
JWB*

PRINT RECORD		
DATE	NO.	TOP
4-3	3	APP

NOTE - ALL SCRIBING OR CUTOUTS TO
BE DONE IN FIELD BY OTHERS.



ONE - BRONZE THRESHOLD X 4-0

BLUM # 9510

ITEM # 737

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
		ONE - BRONZE THRESHOLD			
1		^{2 1/2"} BRONZE THRESHOLD	4	0	BLUM # 4510 BBD.
		FIELD MAT.			
5		1/4" F.H.M.S.	0	1/4	
5		1/4" STD. TAMPERS			

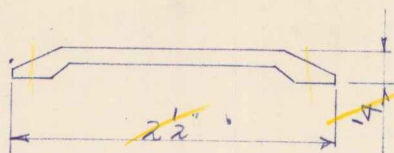
VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DATE		PROJECT
DRAWN BY	HP 4-3-62	COLCHESTER BA. I-89-3-(5)
CHECKED BY	15 9 62	LOCATION COLCHESTER, VT.
HOLES		CUSTOMER BECK & BELLUSCI
RIVETS		ARCHITECT STATE OF VT. DEPT OF HIGHWAYS
PAINT	NONE	JOB NO 62-493-11

Approved
4/10/62
JH

DRAWING RECORD		
DATE	NO.	FOR
4-3	3	APP.

NOTE ALL SCRIBING OR CUTOUTS TO
BE DONE IN FIELD BY OTHERS.



2 - BRONZE THRESHOLD x 4-0

BLUM # 4510

ITEM # 738

BILL OF MATERIAL

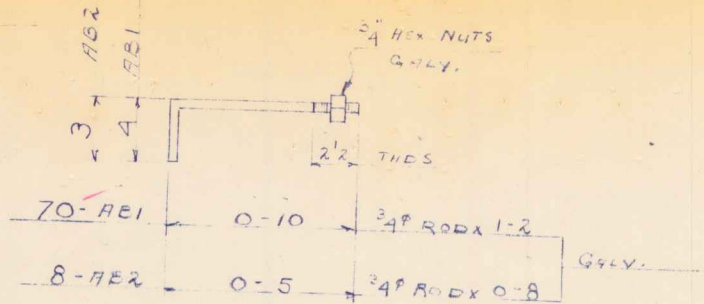
NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
2		BRONZE THRESHOLD			
2		2 1/2 BRONZE THRESHOLD	4	0	BLUM. # 4510 ORD.
		FIELD MAT			
10		1/4" F.H.M.S.	0	1 1/4	
10		1/4 STD TAMPINS			

*del 1/15/62
Rid*

VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DATE		PROJECT
DRAWN BY	4-3-62	COLCHESTER BR. I-89-3 (15)
C'D BY	K	LOCATION COLCHESTER, VT.
HOLES		CUSTOMER BECK & BELLUCCI
RIVETS		ARCHITECT STATE OF VT. DEPT OF HIGHWAYS
PAINT	NONE	JOB NO. 62-493-16

*approved
4/11/62
JH*



NOTE: GALVANIZED

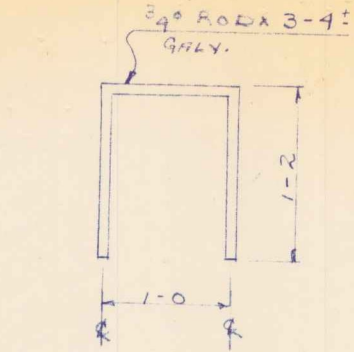
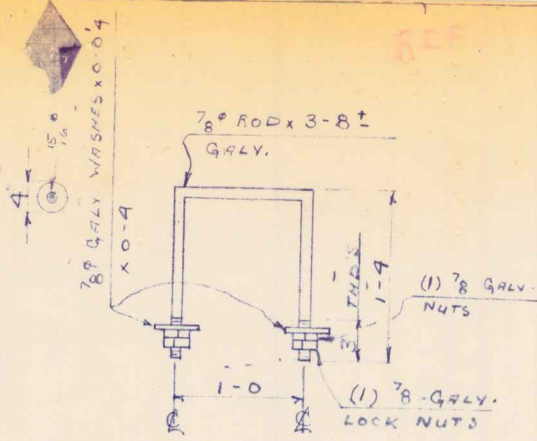
APRIL 1, 1962 DELV.

3-APF. 3-16-62
G-SMP 3-28-62

REV. PER APP 2-28-62 HP					
BILL OF MATERIAL					
NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
70	AB1	ANCHOR BOLTS	1	2	} GALV STD NUT & BOLT P.O. 49477 TO SHOP
8	AB2	do	0	8	
70	HE1	3/4" GALV. BOLTS	1	2	
8	HE2	do	0	8	
78		3/4" GALV. HEX. NUTS			

VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DATE: 2-16-62
DRAWN BY: HP
C.K'D BY: [initials]
HOLES:
RIVETS:
PAINT: GALVANIZED
PROJECT: COLCHESTER BR I 89-3 (15)
LOCATION: COLCHESTER, VT.
CUSTOMER: BECK & BELLUCCI
ARCHITECT: STATE OF VT. DEPT. OF HIGHWAYS
JOB NO: 62-493-7



32- LIFTING RINGS L1

31- MANHOLE STEPS ST1

NOTE: GALVANIZED

APRIL 1, 1962 DELV

3-APP 3-16-62
3-APP 3-29-62

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
32		32- LIFTING RINGS L1			
64		7/8" GALV. ROD	3	8'	
64		7/8" GALV. X 0-0 1/4" WASHERS	0	4	
64		7/8" GALV. LOCK NUTS			
64		7/8" GALV. NUTS			
		31- MANHOLE STEPS ST1			
31		3/4" GALV. ROD	3	4'	

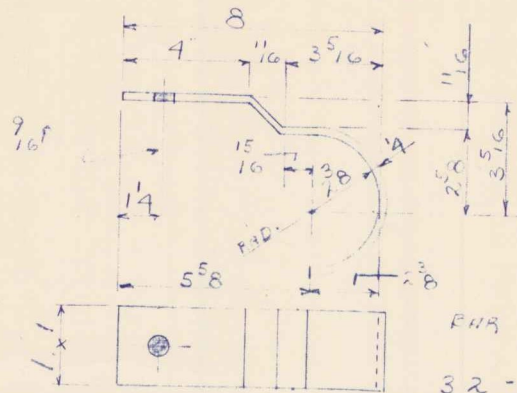
GALV.
STD. NUT (LOCK)
P.O. 49479
TO SHOP

OK
3/20/62
RND

VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DRAWN BY	HP	DATE	2-16-62	PROJECT	COLCHESTER BR 1A7-3 (15)
CHECKED BY	WH	DATE	2-16-62	LOCATION	COLCHESTER, VT.
HOLES				CUSTOMER	BECK & ELLIOTT
RIVETS				ARCHITECT	STATE OF VT. DEPT. OF HIGHWAYS
PAINT				JOB NO.	62-423-5

OK
4-3-62
JBT



BAR 2 x 1/4 x 1-1/2"

32-PIPE SUPPORTS PSI

REV. DES. HEP 3-28-62 HP

BILL OF MATERIAL

3-APP 3-16-63 G-SHOP 3-28-62

NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
		32-ANCHOR BOLTS .17B3			
32		1/2" ROD	1	0	RES. 2@20-0
32		1/2" HEX NUTS			
		32-PIPE SUPPORTS PSI			
32		BAR 2x1/4	1	1/2	RES. 2@20-0

OK
3/30/62
RD
approved
4-3-62
JH

VERMONT STRUCTURAL STEEL CORP. BURLINGTON, VERMONT

DRAWN BY: HP	DATE: 3-15-63	PROJECT: COLCHESTER BR F89-2 (15)
C.K.D. BY: J.T. 3/15/63		LOCATION: COLCHESTER, VT
HOLES: AS NOTED		CUSTOMER: BECA & ELLIOTT
RIVETS:		ARCHITECT: STATE OF VT. DEPT. OF HIGHWAYS
PAINT: B.L. (VT. SPEC)		JOB NO: GA-493-6
FEES NOTED		



REINFORCING BAR SHOP LIST

JOB PROJECT I-89-3 (15)

LOCATION WINDUSHKI VT

CUSTOMER BECK & BELLUCCI

DATE 2-16-62

THIS SHEET COVERS SPAN #1 NORTHBOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 129 OF 150

MADE BY VJA

BENT BARS, TIES & STIRRUPS

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	CHECKING COLUMN
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

STRAIGHT BARS

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1							15						
2							16						
3							17						
4							18						
5							19						
6							20						
7							21						
8							22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

Checked
3-1-62
JJA

OK Y.M.

approved
3/2/62
JJA

TOTAL WEIGHT

CONTRACT No. 11-55758

JOB No.

SHEET No. 10 ONLY



REINFORCING BAR SHOP LIST

12260 (Rev. 1-1-62)

JOB PROJECT I-89-3 (15)

LOCATION WINOOSKI, VT.

CUSTOMER BECHTOLD & BELLUCCI

DATE 2-16-62

THIS SHEET COVERS SPAN #2 NORTH BOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150

MADE BY VJL

BENT BARS, TIES & STIRRUPS

Dimensions Omitted are Zero

Frame	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	CHECKING COLUMN
1				HEAVY BENDING																													
2	62	#4	4-2	NB254	17			2-6	8	1-0																							
3																																	
4				LIGHT BENDING																													
5	104	#4	5-3	NB254	55			1-6	1-3	1-6	5																						
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	

STRAIGHT BARS

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	30	#6	28-0	NB253			15						
2							16						
3	316	#5	34-4	NB251			17						
4	5	#5	32-2	NB255			18						
5							19						
6	192	#4	27-6	NB252			20						
7							21						
8							22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

Checked
3-1-62
JJC
OK N/M

approved
3/2/62
JJC

TOTAL WEIGHT

CONTRACT No. 11-55758

JOB No.

SHEET No. 11 ONLY



REINFORCING BAR SHOP LIST

JOB PROJECT 1-19-63 (25)

LOCATION WINDHOLM, VT

CUSTOMER RICH & BELLECCI

DATE 2-1-63

THIS SHEET COVERS 12473 NORTH PLAND STA 2249+35.22

REVISED 2-1-63

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 130

MADE BY 174

BENT BARS, TIES & STIRRUPS

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	Checking Column
1				HEAVY BENDING														
2	22	#6	3-0	NR27		1	8	1-8					8					
3																		
4	31	#3	4-2	NR336P		17		2-6	8	1-0								
5																		
6				LIGHT BENDING														
7	26	#4	7-0	NR356A		52		3	1-9	8	2-9	3						
8	50	#4	5-2	NR354		53		5	1-6	1-3	1-6	3						
9																		
10																		
11																		
12																		
13																		
14																		

STRAIGHT BARS

Item	No.	Size	Length	Mark	Weight	Checking Column	Item	No.	Size	Length	Mark	Weight	Checking Column
1	1	#6	20-6	NR353			15						
2							16						
3	157	#3	34-4	NR351			17						
4	11	#3	32-2	NR355			18						
5							19						
6	129	#4	20-3	NR352			20						
7							21						
8							22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

OK 4/11/63 3-13-62

approved
3-14-62
JH

TOTAL WEIGHT

CONTRACT No. 11-55 758

JOB No.

SHEET No. 12 of 13



REINFORCING BAR SHOP LIST

JOB PROJECT I-89-3 (15)

LOCATION WINOOSKI VT.

CUSTOMER BECH & KELLUCCI

DATE 2-16-62

THIS SHEET COVERS SPAN 1 SOUTHBOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150

MADE BY VJL

BENT BARS, TIES & STIRRUPS

Dimensions Omitted are Zero

Dimensions Omitted are Zero																																
Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	J	O	H	K	CHECKING COLUMN														
1			HEAVY BENDING																													
2	22	1/2	3-0	SB157		1	8	1-8						8																		
3																																
4	31	1/2	4-2	SB136F		17		2-6	8	1-0																						
5																																
6			LIGHT BENDING																													
7	26	1/2	6-6	SB156A		52		5	2-6	8	2-6	5																				
8	42	1/2	5-3	SB154		53		5	1-6	1-3	1-6	5																				
9																																
10																																
11																																
12																																
13																																
14																																

STRAIGHT BARS

Item	No.	Size	Length	Mark	Weight	Checking Column	Item	No.	Size	Length	Mark	Weight	Checking Column
1	10	1/2	33-6	SB153			15						
2							16						
3	136	1/2	34-4	SB151			17						
4	11	1/2	32-2	SB153			18						
5							19						
6	64	1/2	33-6	SB152			20						
7							21						
8							22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

Checked
3-1-62
JVL
OK w/ml

3/2/62
JVL

CONTRACT No. 11-55758

JOB No.

TOTAL WEIGHT

SHEET No. 13 ONLY



REINFORCING BAR SHOP LIST

1234 5678 910

JOB PROJECT I-89-3 (15)

LOCATION WINDOUSHI VT

CUSTOMER BECHY BELLUCCI

DATE 2-16-62

THIS SHEET COVERS SPAN #2 SOUTHWIND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150

MADE BY VJL

BENT BARS, TIES & STIRRUPS

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	Checking Column
1				HEAVY BENDING														
2	62	#5	4-2	SB256P		17		2-6	8	1-0								
3																		
4				LIGHT BENDING														
5	124	#4	5-3	SB254		55		1-6	1-5	1-6	5							
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

STRAIGHT BARS

Item	No.	Size	Length	Mark	Weight	Checking Column	Item	No.	Size	Length	Mark	Weight	Checking Column
1	36	#6	28-0	SB253			15						
2							16						
3	216	#5	34-4	SB251			17						
4	6	#5	32-2	SB255			18						
5							19						
6	192	#4	27-6	SB252			20						
7							21						
8							22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

Checked
2-1-62
JSL
OK W.M.L.

Approved
3/2/62
JSL

CONTRACT No. 11-33758

JOB No.

TOTAL WEIGHT

SHEET No.



REINFORCING BAR SHOP LIST
1938 REV. A 1-58

JOB PROJECT T-89-3 (V5)

LOCATION WINOUSHI VT

CUSTOMER BEHN & BELLUCCI

DATE 2-16-62

THIS SHEET COVERS SPAN #3 SOUTHBOUND STA 2248+33.22

REVISED 3-12-62

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150

MADE BY VTI

BENT BARS, TIES & STIRRUPS

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	J	O	H	K	CHECKING COLUMN
1				HEAVY BENDING														
2	22	#6	3-0	SB357		1	8	1-8					8					
3																		
4	31	#5	4-2	SB356P		17	2-6	8	1-0									
5																		
6				LIGHT BENDING														
7	26	#4	7-0	SB356A		52	5	2-9	8	2-9	5							
8	30	#4	5-3	SB354		53	5	1-6	1-5	1-6	5							
9																		
10																		
11																		
12																		
13																		
14																		

STRAIGHT BARS

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	20	#6	20-6	SB353			15						
2							16						
3	156	#5	34-4	SB351			17						
4	11	#5	32-2	SB355			18						
5							19						
6	128	#4	20-3	SB352			20						
7							21						
8							22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

OK x m 3-13-62

Approved
3-14-62
HHA

TOTAL WEIGHT

CONTRACT No. 11-55758

JOB No.

SHEET No.

PROJECT 1-59-3 (15)

LOCATION WINDSOR, VT.

DRAWN BY DEAN KELLUCCI

DATE 2-20-67

THIS SHEET COVERS PIER #1 NORTH BOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 177 OF 150

MADE BY KJL

BENT BARS PREFIX ALL BARS WITH NBI SUCH AS NBIPII

Dimensions Omitted are Zero

No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	Checking Column
HEAVY BENDING																	
1	4"	35-8	PII	17			1-6	32-8	1-6								
2	4"	15-4	PII	17			1-6	13-9									
3	40"	8	7-0	P4	2	1-3	5-7					1-2					
4	8"	8-10	PII	3			5-10	3-0						1-4	5-8		
5	20"	3	6-3	P30	17		2-6	1-3	2-6								
LIGHT BENDING																	
6	66"	11-7	PII	TI	0-4	2-4	3-1	2-4	3-1			0-4					
7	4"	11-3	PII	A	0-4	A	2-11	A	2-11			A					
8	4"	11-0	PII		0-5		2-9		2-9								
9	4"	10-8	P20		0-4		2-7		2-7								
10	4"	10-5	P21		0-4		2-6		2-6								
11	4"	10-2	P22		0-5		2-4		2-4								
12	4"	9-7	P23		0-4		2-2		2-2								
13	4"	9-7	P24		0-5		2-0		2-0								
14	4"	9-3	P25		0-4		1-11		1-11								
15	4"	9-0	P26		0-4	V	1-9	V	1-9			V					
16	4"	8-9	P27	V	0-5	2-4	1-7	2-4	1-7			0-4					
17	4"	8-5	P28	TI	0-4	2-4	1-6	2-4	1-6			0-4					
18	12"	11-5	P6	TI	0-4	2-8	2-8	2-8	2-8			0-4					
19	24"	9-3	P7	TI	0-4	2-8	1-8	2-8	1-8			0-4					
20	24"	8-9	P8	TI	0-4	1-6	2-3	1-6	2-3			0-4					

Checked
3-1-67
JLK
OK W.M.

Approved
5/2/67
JLK

TOTAL WEIGHT

CONTRACT No. 11-59-3 (15)

JOB No.

SHEET No.

16

16-17



REINFORCING BAR SHOP LIST

LOCATION

CUSTOMER *WELLS BELLUCI*

DATE

THIS SHEET COVERS *PIER #1 NORTH BOUNDARY STA 2247+23.22*

REVISED

MATERIAL SHOWN ON DRAWING No. *SHEET 129 OF 150*

MADE BY *172*

STRAIGHT BARS *PREFIX ALL BARS WITH NBI SUCH AS NBIPIX*

Line	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	<i>4</i>	<i>11</i>	<i>21-0</i>	<i>P12</i>			31						
2	<i>8</i>	<i>11</i>	<i>12-1</i>	<i>P9</i>			32						
3	<i>3</i>	<i>11</i>	<i>10-0</i>	<i>P13</i>			33						
4							34						
5	<i>40</i>	<i>8</i>	<i>20-11</i>	<i>P5</i>			35						
6	<i>17</i>	<i>8</i>	<i>8-6</i>	<i>P1</i>			36						
7							37						
8	<i>16</i>	<i>8</i>	<i>8-6</i>	<i>P2</i>			38						
9	<i>40</i>	<i>8</i>	<i>6-6</i>	<i>P3</i>			39						
10							40						
11	<i>2</i>	<i>5</i>	<i>32-8</i>	<i>P15</i>			41						
12	<i>2</i>	<i>5</i>	<i>29-4</i>	<i>P16</i>			42						
13	<i>20</i>	<i>5</i>	<i>1-8</i>	<i>P29</i>			43						
14							44						
15							45						
16							46						
17							47						
18							48						
19							49						
20							50						
21							51						
22							52						
23							53						
24							54						
25							55						
26							56						
27							57						
28							58						
29							59						
30							60						

*Checked
3-1-62
JTC*

OK 2/20/62

*Approved
5/2/62
JTC*

CONTRACT No. *11-55758*

JOB No.

TOTAL WEIGHT

SHEET No.

LOCATION WILSONVILLE, VT.

DATE 2-20-68

REVISED

MADE BY VJL

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 130
SENT BARS PREFIX ALL BARS WITH NB2 SUCH AS NB2 P11

Dimensions Omitted are Zeros

No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Other	Checking Column									
																																	HEAVY BENDING									
4	#	35-8	P11	1	19		1-6	32-8	1-6																																	
4	#	15-1	P10	19		1-6	13-7																																			
40	#	9-0	P4	2	1-5	5-7																																				
8	#	8-10	P14	3		5-10	3-0																																			
20	#	6-3	P30	17	2-6	1-3	2-6																																			
																																	LIGHT BENDING									
66	#	11-7	P19	11	0-4 1/2	2-4	3-1	2-4	3-1	0-4 1/2																																
4	#	11-3	P18	11	0-4 1/2	2-11	2-11	2-11	2-11	0-4 1/2																																
4	#	11-0	P17	11	0-5	2-9 1/2	2-9 1/2	2-9 1/2	2-9 1/2	0-5																																
4	#	10-8	P20	11	0-4 1/2	2-7 1/2	2-7 1/2	2-7 1/2	2-7 1/2	0-4 1/2																																
4	#	10-5	P21	11	0-4 1/2	2-6	2-6	2-6	2-6	0-4 1/2																																
4	#	10-2	P22	11	0-5	2-4 1/2	2-4 1/2	2-4 1/2	2-4 1/2	0-5																																
4	#	9-10	P23	11	0-4 1/2	2-2 1/2	2-2 1/2	2-2 1/2	2-2 1/2	0-4 1/2																																
4	#	9-7	P24	11	0-5	2-0 1/2	2-0 1/2	2-0 1/2	2-0 1/2	0-5																																
4	#	9-3	P25	11	0-4 1/2	1-11	1-11	1-11	1-11	0-4 1/2																																
4	#	9-0	P26	11	0-4 1/2	1-9 1/2	1-9 1/2	1-9 1/2	1-9 1/2	0-4 1/2																																
4	#	8-9	P27	11	0-5	2-4	1-7 1/2	2-4	1-7 1/2	0-5																																
4	#	8-3	P28	11	0-4 1/2	2-4	1-6	2-4	1-6	0-4 1/2																																
12	#	11-3	P6	11	0-4 1/2	2-8	2-8	2-8	2-8	0-4 1/2																																
24	#	9-5	P7	11	0-4 1/2	2-8	1-8	2-8	1-8	0-4 1/2																																
24	#	8-9	P8	11	0-4 1/2	1-6	2-3	1-6	2-3	0-4 1/2																																

Checked
3-1-62
JTC

OK W m d

original
3/2/62
JTC

TOTAL WEIGHT

SHEET No.

18

18-19



REINFORCING BAR SHOP LIST

LOCATION

CUSTOMER *LECH & KELLY*

DATE

THIS SHEET COVERS *PIER 2 NORTH POND STA 242+33.22*

REVISED

MATERIAL SHOWN ON DRAWING No. *14000 22 X 150*MADE BY *PJL*STRAIGHT BARS *PREFIX ALL BARS WITH NBR 5014 AS NBR P12*

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	4	#11	11-0	P12			31						
2	8	#11	12-1	P12			32						
3	2	#11	10-0	P12			33						
4							34						
5	40	#8	20-8	P3			35						
6	16	#8	8-6	P1			36						
7							37						
8	16	#8	8-6	P2			38						
9	40	#8	6-6	P3			39						
10							40						
11	2	#5	32-8	P15			41						
12	2	#5	29-4	P16			42						
13	20	#5	1-8	P29			43						
14							44						
15							45						
16							46						
17							47						
18							48						
19							49						
20							50						
21							51						
22							52						
23							53						
24							54						
25							55						
26							56						
27							57						
28							58						
29							59						
30							60						

Checked
3-1-62
JSC

OK W m d

Approved
3/2/62
JSC

CONTRACT No. *11-5495*

JOB No.

TOTAL WEIGHT

SHEET No.

*19**18-19*

REINFORCING BAR SHOP LIST

LOCATION

CUSTOMER *15th STREET*

DATE

THIS SHEET COVERS

SOUTH BOUND ST 124' x 33' 22"

REVISED

MATERIAL SHOWN ON DRAWING No.

SHEET 129 OF 150

MADE BY

PJL

STRAIGHT BARS

PREFIX ALL BARS WITH SBI SUIX AS SBI/P12

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	4	1/2	11-0	P12			31						
2	8	1/2	12-1	P12			32						
3	2	1/2	10-0	P13			33						
4							34						
5	40	3/8	23-4	P5			35						
6	16	3/8	8-6	P1			36						
7							37						
8	16	3/8	8-6	P2			38						
9	40	3/8	6-6	P3			39						
10							40						
11	2	3/8	32-8	P15			41						
12	2	3/8	29-4	P16			42						
13	20	3/8	1-8	P29			43						
14							44						
15							45						
16							46						
17							47						
18							48						
19							49						
20							50						
21							51						
22							52						
23							53						
24							54						
25							55						
26							56						
27							57						
28							58						
29							59						
30							60						

Checked
3-1-62
JSC

OK 2/22/62

Approved
3/2/62
JSC

CONTRACT No. *11-51-15*

JOB No.

TOTAL WEIGHT

SHEET No.

PROJECT: 10-1-66
 DRAWING: 10-1-66
 SHEET: 22 OF 23
 MATERIAL SHOWN ON DRAWING No. 10-1-66

DATE: 10-1-66
 REVISED:
 MADE BY: VJL

BENT BARS PREFIX ALL BARS WITH S.B.2 SUCH AS S.B.2/P11

Dimensions Omitted are Zero

No.	Bar	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	Check
HEAVY BENDING																	
1	11-3-8	P11	17	1-6	32-8	1-6											
1	11-1-1	P10	17	1-6	13-9												
4	7-0	P4	2	1-3	5-9							1-7					
3	8-10	P14	3		5-10	3-0										1-4-5-8	
20	6-3	P30	17	2-6	1-3	2-6											
LIGHT BENDING																	
66	11-7	P17	11	0-4	1-4	3-1	2-4	3-1				0-4					
4	11-3	P18	11	0-4	2-11		2-11										
4	11-0	P17		0-5	2-9		2-9										
4	10-8	P20		0-4	2-7		2-7										
4	10-5	P21		0-4	2-6		2-6										
4	10-2	P22		0-5	2-4		2-4										
4	9-10	P23		0-4	2-2		2-2										
4	9-7	P24		0-5	2-0		2-0										
4	9-3	P25		0-4	1-11		1-11										
4	9-0	P26		0-4	1-9		1-9										
4	8-9	P27		0-5	2-4	1-7	2-4	1-7				0-4					
4	8-3	P28	11	0-4	2-4	1-6	2-4	1-6				0-4					
12	11-3	P6	11	0-4	2-8	2-8	2-8	2-8				0-4					
24	9-3	P9	11	0-4	2-8	1-8	2-8	1-8				0-4					
24	8-3	P8	11	0-4	1-6	2-3	1-6	2-3				0-4					

Checked
 3-1-62
 SSC
 OK 2-1-62

Approved
 3-1-62
 JKL

STEEL STRUTTING BAR SHOT LIST

PROJECT	LOCATION	DATE
SHEET COVERS	REVISIONS	MADE BY
MATERIAL SHOWN ON DRAWING No.		

STRAIGHT BARS

Item	No.	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Length	Mark	Weight	CHECKING COLUMN
1	1	12-0	P12			31					
2	1	12-0	P12			32					
3	2	10-0	P10			33					
4						34					
5	10	8-1	P8			35					
6	10	8-6	P8			36					
7	10	8-6	P8			37					
8	40	8-6	P8			38					
9	40	8-6	P8			39					
10	2	32-8	P32			40					
11	3	29-4	P29			41					
12	20	1-8	P12			42					
						43					
						44					
						45					
						46					
						47					
						48					
						49					
						50					
						51					
						52					
						53					
						54					
						55					
						56					
						57					
						58					
						59					
						60					

Checked
3-1-62
JTC

OK 3/1/62

Reviewed
3/12/62
JTH

CONTRACT No.	JOB No.	TOTAL WEIGHT
		SHEET No. 23 OF 22-23



REINFORCING BAR SHOP LIST

FORM No. A 1-61

JOB PROJECT I-89-3 (15)

LOCATION WINDUSHI, VT

CUSTOMER BELK & BELLUCCI

DATE 2-22-62

THIS SHEET COVERS SOUTH ABUTMENT NORTHBOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150

MADE BY VJL

BENT BARS, TIES & STIRRUPS PREFIX ALL BARS WITH 'SAN'

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	J	O	H	K	CHECKING COLUMN											
1			HEAVY BENDING																										
2																													
3	16	5	12-5	BA7		14		7-5	5-0									40	3-0										
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													
13																													
14																													

STRAIGHT BARS PREFIX ALL BARS WITH 'SAN'

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	7	1	35-6	BAR			15						
2							16						
3	8	6	35-6	BA3			17						
4	17	6	5-6	BA1			18						
5	17	6	1-6	BA4			19						
6							20						
7	25	3	11-0	BA8			21						
8							22						
9	32	4	9-0	BA6			23						
10	16	4	8-0	BA5			24						
11	8	4	3-4	BA9			25						
12							26						
13							27						
14							28						

Checked
3-1-62
JJC
etc Wm-3

Approved
3/2/62
JJC

CONTRACT No. 11-35758

JOB No.

TOTAL WEIGHT

SHEET No.



REINFORCING BAR SHOP LIST

1958 AISC 1.20

JOB PROJECT I-69-2 (15)

LOCATION WINDUSH, VT

CUSTOMER BELM & BELLUCCI

DATE 2-21-62

THIS SHEET COVERS NORTH ABUTMENT NORTHBOUND STA 2245+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 120 OF 150

MADE BY VJL

BENT BARS, TIES & STIRRUPS PREFIX ALL BARS WITH 'NAN'

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	J	O	H	K	CHECKING COLUMN
1																		
2																		
3	12	"6	5-0	BA6		14		2-6	2-6								1-7-7	
4																		
5	16	"8	13-0	BA7		14		7-5	5-7								4-03-15	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

STRAIGHT BARS PREFIX ALL BARS WITH 'NAN'

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	9	"4	35-6	BA2			15						
2							16						
3	7	"6	35-6	BA3			17						
4	49	"6	5-0	BA5			18						
5	17	"6	2-6	BA1			19						
6	17	"6	2-6	BA4			20						
7							21						
8	24	"5	11-3	BA10			22						
9							23						
10	22	"4	9-0	BA8			24						
11	17	"4	6-0	BA7			25						
12	8	"4	3-4	BAH			26						
13							27						
14							28						

Checked
3-1-62
JSC

OK 2/21

Reviewed
3/21/62
HJH

CONTRACT No. 11-55758

JOB No.

TOTAL WEIGHT

SHEET No.



REINFORCING BAR SHOP LIST

JOB PROJECT I-89-3 (15)

LOCATION WINOUSHI, VT

CUSTOMER BECKY BELLUCCI

DATE 2-21-62

THIS SHEET COVERS NORTH ABUTMENT SOUTHBOUND STA 2248433.22

REVISED

MATERIAL SHOWN ON DRAWING No. 148 ET. 127 OF 150

MADE BY VJL

BENT BARS, TIES & STIRRUPS PREFIX ALL BARS WITH NAS

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	CHECKING COLUMN
1																		
2																		
3	12	6	5-0	BA6		14		2-6	2-6								1-9	1-9
4																		
5	16	5	13-0	BA9		14		7-5	5-7								4-0	3-10
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

STRAIGHT BARS PREFIX ALL BARS WITH "NAS"

Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN	Item	No.	Size	Length	Mark	Weight	CHECKING COLUMN
1	4	11	35-6	BA2			15						
2							16						
3	7	6	35-6	BA3			17						
4	48	6	5-0	BA5			18						
5	17	6	2-6	BA1			19						
6	17	6	1-6	BA4			20						
7							21						
8	24	5	11-3	BA10			22						
9							23						
10	32	4	9-0	BA8			24						
11	16	4	6-0	BA7			25						
12	8	4	3-4	BAH			26						
13							27						
14							28						

Checked
3-1-62
JTC
OK w/m.1

Approved
3/21/62
JTC

CONTRACT No. 11-55758

JOB No.

TOTAL WEIGHT

SHEET No.

REINFORCING BAR SHOP LIST

JLB

LOCATION

CUSTOMER *BECH & BELLUCCI*

DATE *2-21-62*

THIS SHEET COVERS *APPROACH LAD^{NO} 1 NORTH BOUND STA 2248+33 22*

REVISED

MATERIAL SHOWN ON DRAWING No. *SHEET 127 OF 150*

MADE BY *VJL*

BENT BARS, TIES & STIRRUPS *PREFIX ALL BARS WITH "NBI"*

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Checking Column
1																																	
2	1	10	20-9	AS1A																													
3																																	
4																																	
5																																	
6	10	5	5-0	AS7																													
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	

STRAIGHT BARS *PREFIX ALL BARS WITH "NBI"*

Item	No.	Size	Length	Mark	Weight	Checking Column	Item	No.	Size	Length	Mark	Weight	Checking Column
1	3	10	7-5	AS3			15						
2	2	10	7-2	AS4			16						
3							17						
4	24	5	29-6	AS5			18						
5	2	5	16-4	AS10			19						
6	2	5	5-10	AS8			20						
7	2	5	5-6	AS9			21						
8	16	5	3-6	AS6			22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

*Checked
3-1-62
JJA*

OK 7/7/61

*approved
3/2/62
JJA*

CONTRACT No. *11-55 7.88*

JOB No.

TOTAL WEIGHT

SHEET No. *29-29*

JOB NO. 11-51758 (51) LOCATION WINDOUSHI, VT.
 ESTIMATED BY BECH & PELLUCCI DATE 7-21-67
 THIS SHEET COVERS ATTACH SLAB #2 NORTH ROUND STA 2248+33.22
 MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150
 MADE BY VJL

BENT BARS PREFIX ALL BARS WITH "NB2"
 Dimensions Omitted are Zero

No.	Size	Length	Max.	Weight	Type	A	B	C	D	E	F	G	J	O	H	K	CHECKING COLUMN
HEAVY BENDING																	
1	20	26-10	AS10D		1	1-1	25-9						9				
2	1	26-7	AS1CC		1	1	25-6						1				
3	1	26-5	AS1BB				25-4										
4	1	26-2	AS1AA				25-1										
5	1	26-0	AS1Z				24-11										
6	1	25-9	AS1Y				24-8										
7	1	25-7	AS1X				24-6										
8	1	25-4	AS1W				24-3										
9	1	25-1	AS1V				24-0										
10	1	24-11	AS1U				23-10										
11	1	24-8	AS1T				23-7										
12	1	24-6	AS1S				23-5										
13	1	24-3	AS1R				23-2										
14	1	24-0	AS1Q				22-11										
15	1	23-10	AS1P				22-9										
16	1	23-9	AS1O				22-6										
17	1	23-5	AS1H				22-4										
18	1	23-2	AS1M				22-1										
19	1	23-0	AS1L				21-11										
20	1	22-9	AS1K				21-8										
21	1	22-6	AS1J				21-5										
22	1	22-4	AS1I				21-3										
23	1	22-1	AS1H				21-0										
24	1	21-11	AS1G				20-10										
25	1	21-8	AS1F				20-7										
26	1	21-5	AS1E				20-4										
27	1	21-3	AS1D				20-2										
28	1	21-0	AS1C		Y	Y	19-11						Y				
29	1	20-10	AS1B		1	1-1	19-7						9				

Checked
 3/1/62
 JJC

OK 7/21/63

approved
 3/1/62
 JJC

01C 7777-1



REINFORCING BAR SHOP LIST

FORM 1-62

JOB PROJECT 3-89-3 (15)LOCATION WINDUSHI, VT.CUSTOMER BECK & BELLUCCIDATE 2-21-62THIS SHEET COVERS APPROACH SLAB #1, SOUTH BOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150MADE BY VJLBENT BARS PREFIX ALL BARS WITH "SBI"

Dimensions Omitted are Zero

Item	No.	Size	Length	Bars	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Checking Column
1																																	
2	1	10	25-10	AS1DD			1	1-1	25-9																								9
3	1	10	26-9	AS1CC			1	1-1	25-6																								1
4	1	10	26-3	AS1AB					25-4																								
5	1	10	26-2	AS1AA					25-1																								
6	1	10	26-0	AS1Z					24-11																								
7	1	10	25-9	AS1Y					24-8																								
8	1	10	25-7	AS1X					24-6																								
9	1	10	25-4	AS1W					24-3																								
10	1	10	25-1	AS1V					24-0																								
11	1	10	24-11	AS1U					23-10																								
12	1	10	24-8	AS1T					23-7																								
13	1	10	24-6	AS1S					23-5																								
14	1	10	24-3	AS1R					23-2																								
15	1	10	24-0	AS1Q					22-11																								
16	1	10	23-10	AS1P					22-9																								
17	1	10	23-7	AS1O					22-6																								
18	1	10	23-5	AS1N					22-4																								
19	1	10	23-2	AS1M					22-1																								
20	1	10	23-0	AS1L					21-11																								
21	1	10	22-9	AS1K					21-8																								
22	1	10	22-6	AS1J					21-5																								
23	1	10	22-4	AS1I					21-3																								
24	1	10	22-1	AS1H					21-0																								
25	1	10	21-11	AS1G					20-10																								
26	1	10	21-8	AS1F					20-7																								
27	1	10	21-5	AS1E					20-4																								
28	1	10	21-3	AS1D					20-2																								
29	1	10	21-0	AS1C					19-11																								
30	1	10	20-10	AS1B					19-9																								

TOTAL WEIGHT

CONTRACT No. 11-55758

JOB No.

SHEET No.

Checked
3-1-62
JSC
OK 3/1/62

Revised
3-1-62
JH



REINFORCING BAR SHOP LIST

1115 1/2" x 1/2"

JOB

LOCATION

CUSTOMER *PECH & BELLUCI*DATE *2-21-62*

THIS SHEET COVERS APPROXIMATE L.A.P. #1 SOUTH BOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. *SHEET 127 OF 130*MADE BY *VJL*BENT BARS, TIES & STIRRUPS *PREFIX ALL BARS WITH "SBI"*

Dimensions Omitted are Zero

No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Checking Column
1																																
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																

STRAIGHT BARS *PREFIX ALL BARS WITH "SBI"*

No.	Size	Length	Mark	Weight	Checking Column	No.	Size	Length	Mark	Weight	Checking Column
1						15					
2						16					
3						17					
4						18					
5						19					
6						20					
7						21					
8						22					
9						23					
10						24					
11						25					
12						26					
13						27					
14						28					

*Checked
3-1-62
JSC**OK W.M.J.**Reviewed
3-1-62
JSC*CONTRACT No. *11-138*

JOB No.

TOTAL WEIGHT

SHEET No. *33**72-225*



REINFORCING BAR SHOP LIST

FORM NO. 2 (1-77)

JOB PROJECT I-89-3 (15)

LOCATION WINDUSHI, VT.

CUSTOMER BECK & BELLUCCI

DATE 2-21-02

THIS SHEET COVERS APPROACH SLAB #2 J-VIA BOUND STA 2248+33.22

REVISED

MATERIAL SHOWN ON DRAWING No. SHEET 127 OF 150

MADE BY VJL

BENT BARS PREFIX ALL BARS WITH "5B2"

Dimensions Omitted are Zero

Line	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	Checklist Column
1				HEAVY BENDING														
2	1	10	26-10	AS100		1	1-1	25-7								9		
3	1	1	26-7	AS100		1	1-1	25-6								1		
4	1	1	26-5	AS100				25-4										
5	1	1	26-2	AS100				25-1										
6	1	1	26-0	AS100				24-11										
7	1	1	25-9	AS100				24-8										
8	1	1	25-7	AS100				24-6										
9	1	1	25-4	AS100				24-3										
10	1	1	25-1	AS100				24-0										
11	1	1	24-11	AS100				23-10										
12	1	1	24-8	AS100				23-7										
13	1	1	24-6	AS100				23-5										
14	1	1	24-3	AS100				23-2										
15	1	1	24-0	AS100				22-11										
16	1	1	23-10	AS100				22-7										
17	1	1	23-9	AS100				22-6										
18	1	1	23-5	AS100				22-4										
19	1	1	23-2	AS100				22-1										
20	1	1	23-0	AS100				21-11										
21	1	1	22-9	AS100				21-8										
22	1	1	22-6	AS100				21-5										
23	1	1	22-4	AS100				21-3										
24	1	1	22-1	AS100				21-0										
25	1	1	21-11	AS100				20-10										
26	1	1	21-8	AS100				20-7										
27	1	1	21-5	AS100				20-4										
28	1	1	21-3	AS100				20-2										
29	1	1	21-0	AS100		Y	V	19-11								V		
30	1	10	20-14	AS100		1	1-1	19-9								7		

Checked
5-1-02
JTC
sic W m J3/2/02
JTC

CONTRACT No. 11-33758

JOB No.

TOTAL WEIGHT

SHEET No. 1



REINFORCING BAR SHOP LIST

JOB

LOCATION

CUSTOMER *PECH - BELLUCCI*

DATE *2-21-68*

THIS SHEET COVERS *APPROACH SLAB #2 SOUTH BOUND STA 2248+33.22*

REVISED

MATERIAL SHOWN ON DRAWING No. *SHEET 127 OF 150*

MADE BY *VJL*

BENT BARS, TIES & STIRRUPS *PREFIX ALL BARS WITH "SB2"*

Dimensions Omitted are Zero

Item	No.	Size	Length	Mark	Weight	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Checking Column
1																																	
2	1	10	20-9	AS1A																													
3																																	
4																																	
5																																	
6	10	5	5-0	AS7																													
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	

STRAIGHT BARS *PREFIX ALL BARS WITH "SB2"*

Item	No.	Size	Length	Mark	Weight	Checking Column	Item	No.	Size	Length	Mark	Weight	Checking Column
1	2	10	7-5	AS3			15						
2	2	10	7-2	AS4			16						
3							17						
4	24	5	29-6	AS5			18						
5	2	5	16-4	AS10			19						
6	2	5	5-10	AS9			20						
7	2	5	5-6	AS9			21						
8	16	5	3-6	AS6			22						
9							23						
10							24						
11							25						
12							26						
13							27						
14							28						

*Checked
3-1-68
JSC*

OK WMA

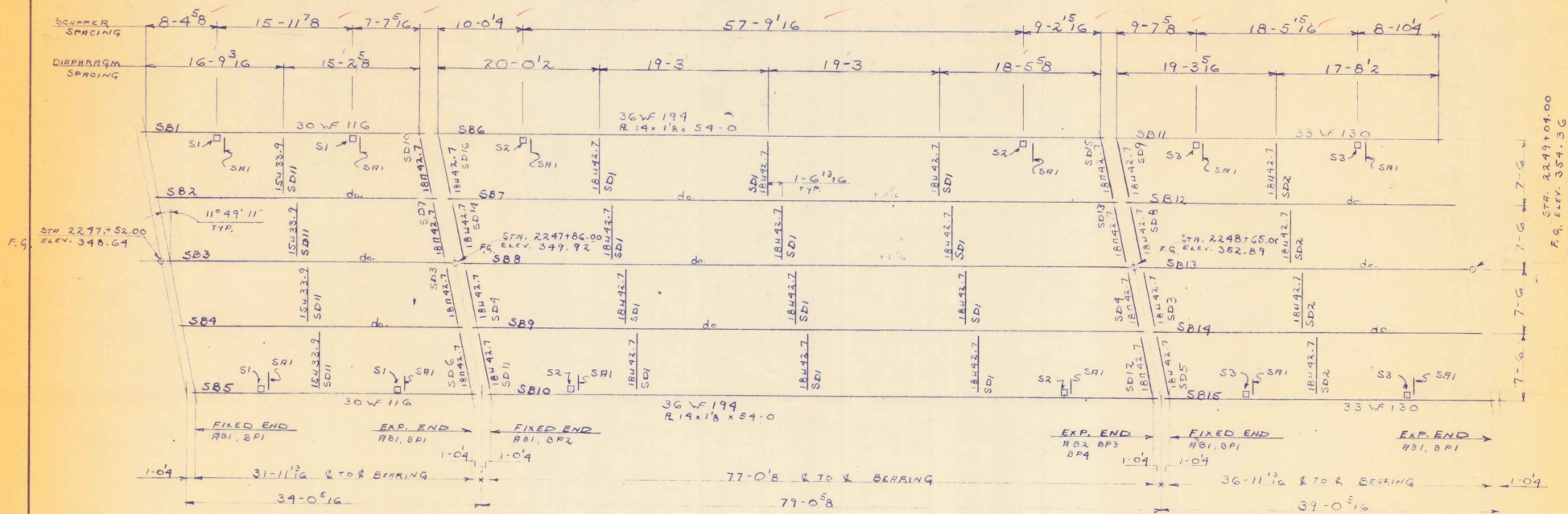
*Approved
3/2/68
JSC*

JOB No.

TOTAL WEIGHT

SHEET No. *35 OF*

34-35



PLACEMENT PLAN FOR SOUTH BOUND BRIDGE



REV. PER. APP. 3-28-62 HP		VERMONT STRUCTURAL STEEL CORPORATION BURLINGTON, VT.	
DRAWN BY HP 1-22-62		PROJECT COLCHESTER BR I 89-3 (US)	
C'D BY		LOCATION COLCHESTER, VT.	
		CUSTOMER BECK & SELLUCCI	
HOLES		ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS	
RIVETS		JOB NO. 62-973 SHEET NO. P2	
PAINT B.L. (VT. SPEC.)			
		PRINT RECORD	
		NO. FOR DATE	
		3 APP 3-16	
		9 SHOP 3-28	

chk - ok 3/28/62 P2

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH		WEIGHT
			FT.	IN.	
		100- SWEDGE BOLTS AB1 (8)			
		10- do	do	AB2	
100	AB1	1 1/4" ROD	1	3	REF. @ 40-0
10	AB2	do	1	7	do
110		1 1/4" HEX. NUTS			
110		1 1/4" WASHERS	0	0 3/8	
8-		SCUPPERS S1, 8-SCUPPERS S2 (5)			
		8- SCUPPERS S3			
48	CA9 1/2	GE 10.5	1	9 1/2	REF. @ 40-45
16	CB9 1/2	do	2	11 1/2	do
16	CC9 1/2	do	3	5 1/2	do
16	CD9 1/2	do	3	2 1/2	do
24	BA9	BAR 1x1/2	0	6	STD
48	LB4	do	0	4	STD
		LODGE ANGLES (11)			
24		L 2x2x1/4	1	4	REF. @ 30-0
		FIELD MAT. (12)			
704		7/8" AL. TEN. BOLTS	0	2 1/2	
1408		7/8" HARD WASHERS			
		3/16" WELD	40	0	
		FINISH 1/2 OF 1 1/2"			

REV. PER APP 3-28-62

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

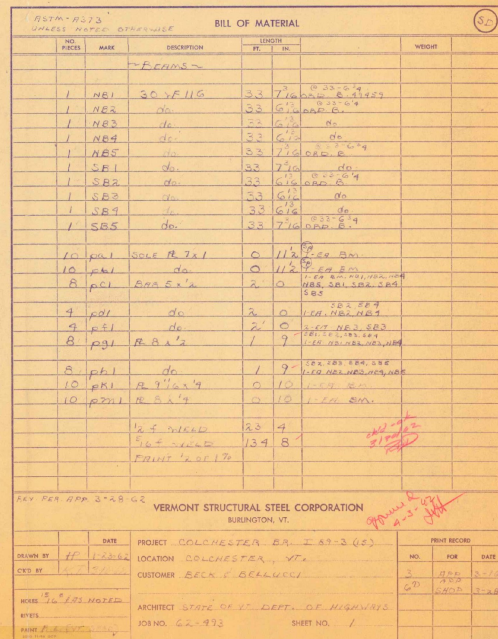
DRAWN BY	HP	DATE	3-7-62	PROJECT	COLCHESTER BR. I 84-3 (5)	PRINT RECORD	
C'D BY				LOCATION	COLCHESTER VT.		
				CUSTOMER	BECK & BELLUCO		
HOLES	15 1/4" HAS NOTED			ARCHITECT	STATE OF VT. DEPT. OF HIGHWAYS		
RIVETS				JOB NO.	62-493		
PAIN	AL (VT. SPEC)			SHEET NO.	96		

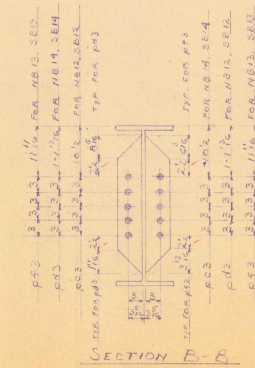
4-3-62
JH

OK
checked - OK
5/30/62
KMD
approved
4/3/62
CORPORATION

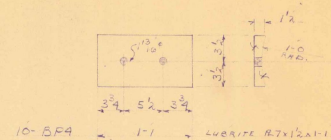
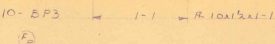
SECTION A-A

SECTION B-B

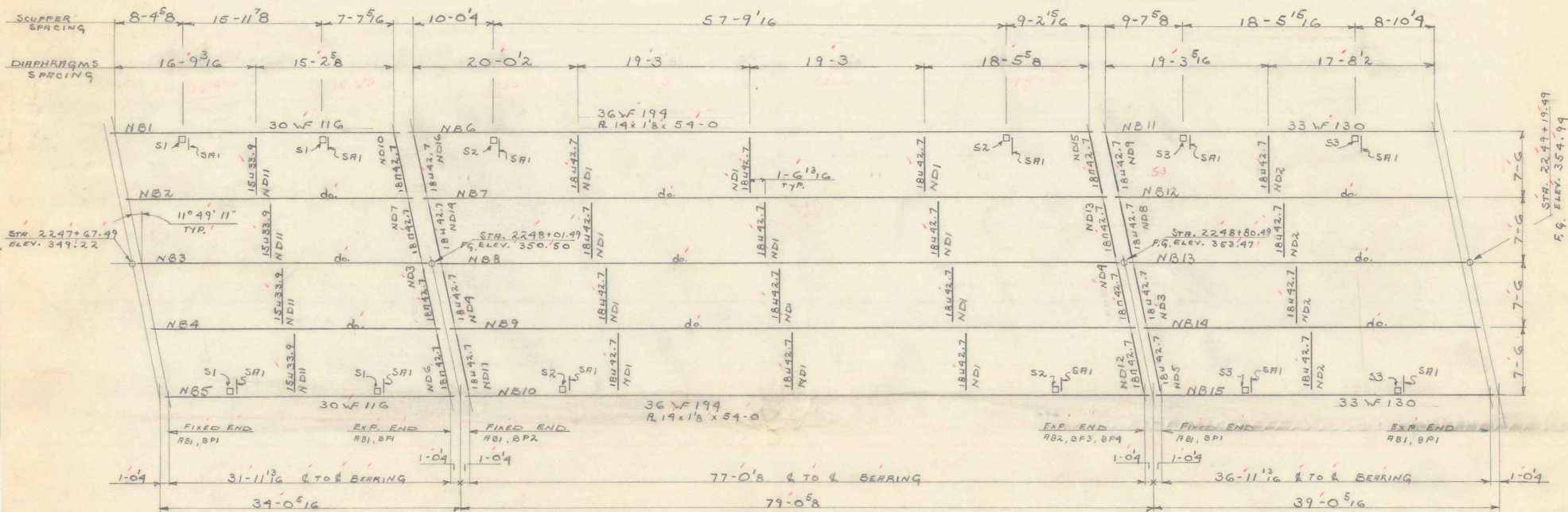




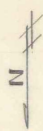
NO. PIECES		WARK	DESCRIPTION	LIN. IN.		WEIGHT
~ BEAMS ~						
1	1	NE11	33 x 6 x 120	62	74	33 x 6 x 120
1	1	NE12	do	38	68	33 x 6 x 120
1	1	NE13	do	39	65	33 x 6 x 120
1	1	NE14	do	38	68	33 x 6 x 120
1	1	NE15	do	38	74	33 x 6 x 120
1	1	SE11	do	38	74	33 x 6 x 120
1	1	SE12	do	38	65	33 x 6 x 120
1	1	SE13	do	38	74	33 x 6 x 120
1	1	SE14	do	38	65	33 x 6 x 120
1	1	SE15	do	38	74	33 x 6 x 120
10	10	PA2	SCHE H 7 x 1	1	0 1/2	1 x 6 x 8 in.
10	10	PA3	do	1	0 1/2	1 x 6 x 8 in.
8	8	PA3	ERR 5 x 1/2	2	3	1 x 6 x 8 in.
4	4	PA3	do	2	3	1 x 6 x 8 in.
4	4	PA3	do	2	3	1 x 6 x 8 in.
8	8	PA3	ERR 5 x 1/2	2	3	1 x 6 x 8 in.
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2 10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4						
10 PA3 B 10 x 1/4 10 PA3 B 8 x 1/4 1/2 x 1/2 x 1/2 3/4 x 1/2 x 1/2 PRINT 2 x 1/2						



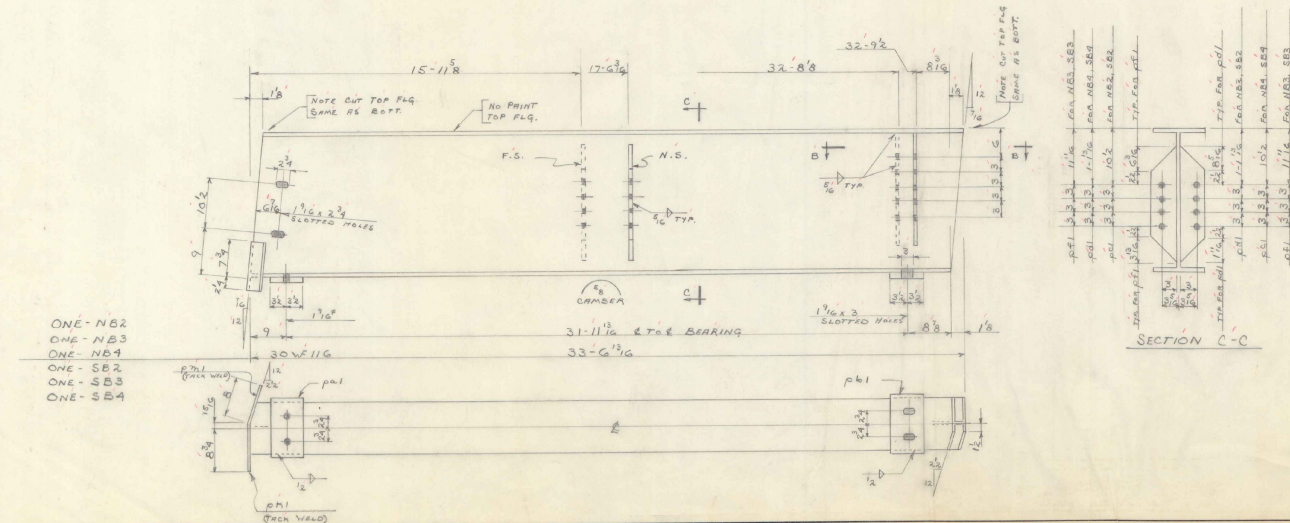
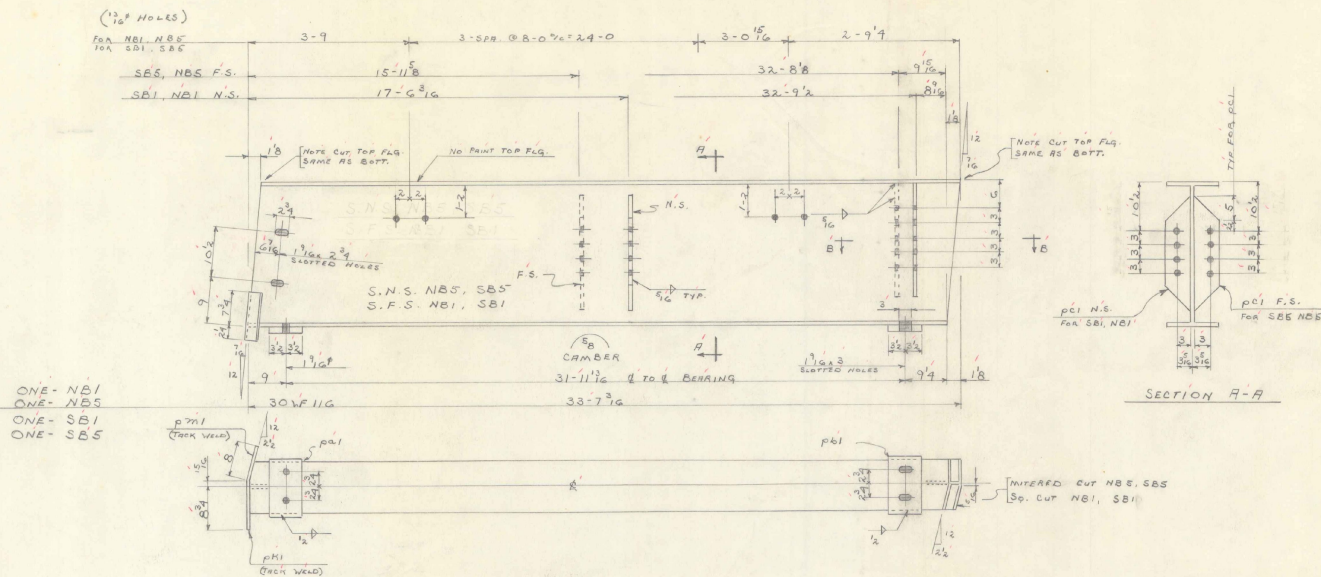
4-5-42
H.H. Bennett



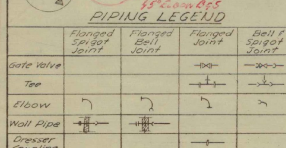
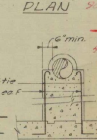
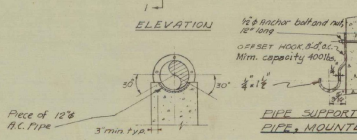
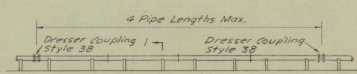
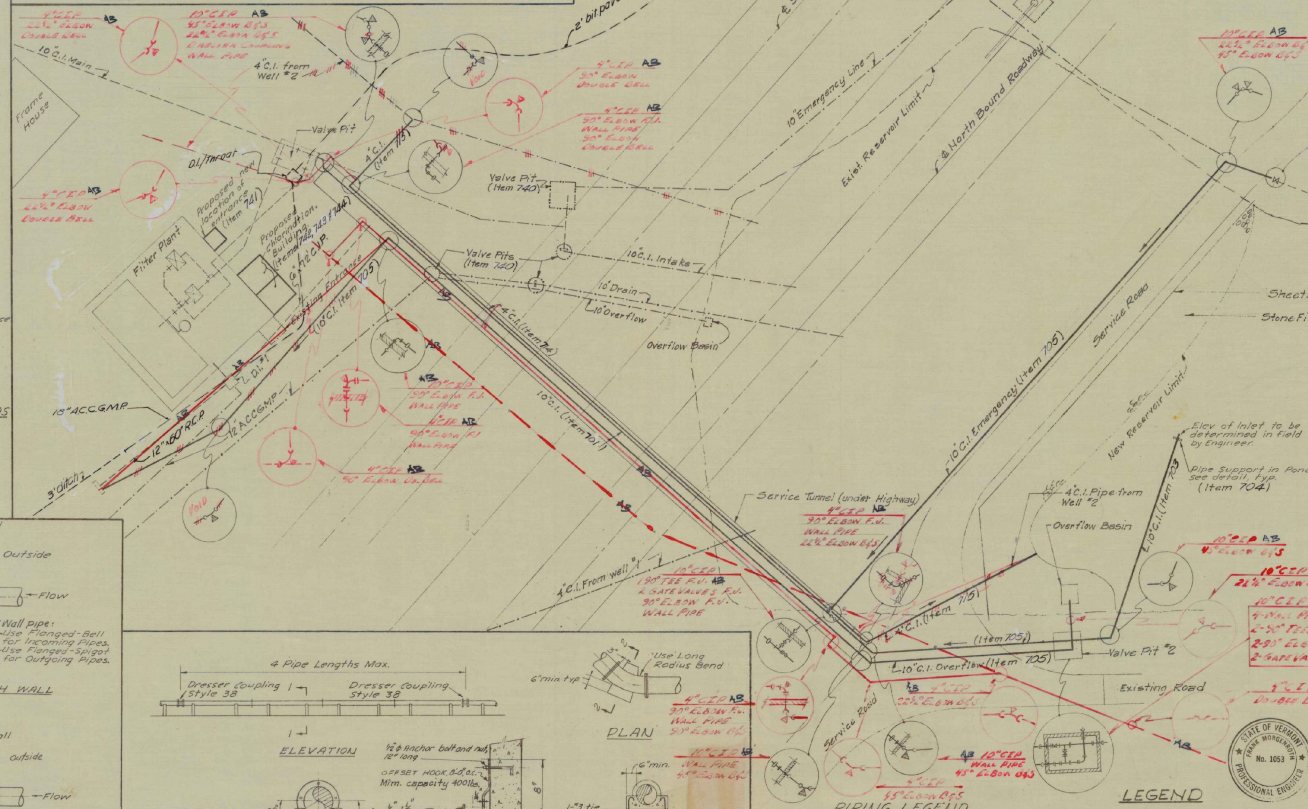
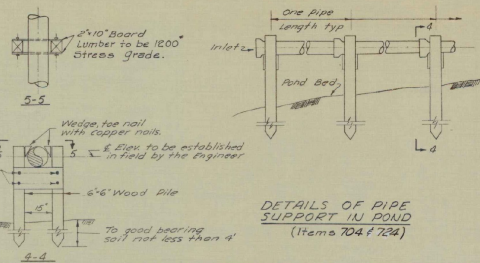
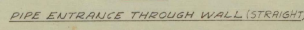
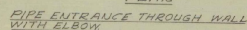
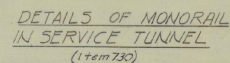
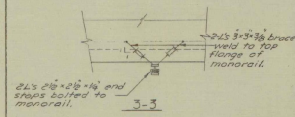
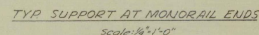
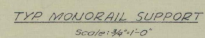
PLACEMENT PLAN FOR NORTH BOUND BRIDGE



REV. PER. APP. 3-28-62 HP				VERMONT STRUCTURAL STEEL CORPORATION BURLINGTON, VT.			
DATE		PROJECT COLCHESTER BA I 89-3 (S)		PRINT RECORD			
DRAWN BY HP 1-22-62		LOCATION COLCHESTER, VT.		NO.		FOR DATE	
CK'D BY H.T. 5-16-62		CUSTOMER BECK & BELLUCCI		3		APP 3-16	
HOLES		ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS		4		APP 3-28	
RIVETS		JOB NO. 62-493		3		FIELD 4-3	
PAINT R.L. (VT. SPEC.)		SHEET NO. P1					



BILL OF MATERIAL									
NO.	QUANTITY	DESCRIPTION	FE.	IN.	WEIGHT	REMARKS	NO.	QUANTITY	DESCRIPTION
1	1	NBI	33	7 1/2	8 3/4	23 1/2	1	1	NBS
2	1	NBS	33	6 1/2	8 3/4	23 1/2	2	1	SBI
3	1	NBS	33	6 1/2	8 3/4	23 1/2	3	1	SBS
4	1	SBI	33	7 1/2	8 3/4	23 1/2	4	1	SBS
5	1	SBS	33	7 1/2	8 3/4	23 1/2	5	1	SBI
6	1	SBI	33	7 1/2	8 3/4	23 1/2	6	1	SBS
7	1	SBS	33	7 1/2	8 3/4	23 1/2	7	1	SBI
8	1	SBI	33	7 1/2	8 3/4	23 1/2	8	1	SBS
9	1	SBS	33	7 1/2	8 3/4	23 1/2	9	1	SBI
10	1	SBI	33	7 1/2	8 3/4	23 1/2	10	1	SBS
11	1	SBS	33	7 1/2	8 3/4	23 1/2	11	1	SBI
12	1	SBI	33	7 1/2	8 3/4	23 1/2	12	1	SBS
13	1	SBS	33	7 1/2	8 3/4	23 1/2	13	1	SBI
14	1	SBI	33	7 1/2	8 3/4	23 1/2	14	1	SBS
15	1	SBS	33	7 1/2	8 3/4	23 1/2	15	1	SBI
16	1	SBI	33	7 1/2	8 3/4	23 1/2	16	1	SBS
17	1	SBS	33	7 1/2	8 3/4	23 1/2	17	1	SBI
18	1	SBI	33	7 1/2	8 3/4	23 1/2	18	1	SBS
19	1	SBS	33	7 1/2	8 3/4	23 1/2	19	1	SBI
20	1	SBI	33	7 1/2	8 3/4	23 1/2	20	1	SBS
21	1	SBS	33	7 1/2	8 3/4	23 1/2	21	1	SBI
22	1	SBI	33	7 1/2	8 3/4	23 1/2	22	1	SBS
23	1	SBS	33	7 1/2	8 3/4	23 1/2	23	1	SBI
24	1	SBI	33	7 1/2	8 3/4	23 1/2	24	1	SBS
25	1	SBS	33	7 1/2	8 3/4	23 1/2	25	1	SBI
26	1	SBI	33	7 1/2	8 3/4	23 1/2	26	1	SBS
27	1	SBS	33	7 1/2	8 3/4	23 1/2	27	1	SBI
28	1	SBI	33	7 1/2	8 3/4	23 1/2	28	1	SBS
29	1	SBS	33	7 1/2	8 3/4	23 1/2	29	1	SBI
30	1	SBI	33	7 1/2	8 3/4	23 1/2	30	1	SBS
31	1	SBS	33	7 1/2	8 3/4	23 1/2	31	1	SBI
32	1	SBI	33	7 1/2	8 3/4	23 1/2	32	1	SBS
33	1	SBS	33	7 1/2	8 3/4	23 1/2	33	1	SBI
34	1	SBI	33	7 1/2	8 3/4	23 1/2	34	1	SBS
35	1	SBS	33	7 1/2	8 3/4	23 1/2	35	1	SBI
36	1	SBI	33	7 1/2	8 3/4	23 1/2	36	1	SBS
37	1	SBS	33	7 1/2	8 3/4	23 1/2	37	1	SBI
38	1	SBI	33	7 1/2	8 3/4	23 1/2	38	1	SBS
39	1	SBS	33	7 1/2	8 3/4	23 1/2	39	1	SBI
40	1	SBI	33	7 1/2	8 3/4	23 1/2	40	1	SBS
41	1	SBS	33	7 1/2	8 3/4	23 1/2	41	1	SBI
42	1	SBI	33	7 1/2	8 3/4	23 1/2	42	1	SBS
43	1	SBS	33	7 1/2	8 3/4	23 1/2	43	1	SBI
44	1	SBI	33	7 1/2	8 3/4	23 1/2	44	1	SBS
45	1	SBS	33	7 1/2	8 3/4	23 1/2	45	1	SBI
46	1	SBI	33	7 1/2	8 3/4	23 1/2	46	1	SBS
47	1	SBS	33	7 1/2	8 3/4	23 1/2	47	1	SBI
48	1	SBI	33	7 1/2	8 3/4	23 1/2	48	1	SBS
49	1	SBS	33	7 1/2	8 3/4	23 1/2	49	1	SBI
50	1	SBI	33	7 1/2	8 3/4	23 1/2	50	1	SBS



- Existing Structures -
- Existing Pipe Lines To Remain -
- Existing Pipe Lines To Be Abandoned -
- Existing Facilities To Be Demolished -
- New Pipe Lines & Structures -
- Trust block in trench

NOTES:

1. All invert elevations of pipes to be determined in field by the Engineer.
2. All gate valves shall be of double seat type.
3. Gate valves in trenches shall be furnished with valve box and extended stem.

STAGE I CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN THE CITY OF WINOOSKI

RELOCATION OF UTILITIES

MORGENROTH & ASSOCIATES INC. BOSTON, MASS.

PROJECT NO. 1-89-3(15) DRAWING NO. 1 OF 4

Sheet 144 of 150 Sheets

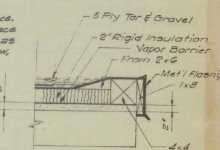
LEGEND

Existing Structure
New Concrete
New Masonry

Provide adjustable wooden Louvre 16" sq. 8" high. Locate Louvre 16" above floor, centered under window.

Existing Entrance
(To be removed)

Remove existing door & frame & relocate in new proposed entrance. Close existing opening and place new window at same height as the adjacent existing window.



DETAIL-A

NOTES:

1. Use Lintel block over openings. Reinf. 2" x 8" Bott.
2. New Windows to be same height off floor as Existing Windows.
3. New Windows shall be heavy intermediate projected steel windows with frame & ventilator sections weighing a minimum of 8.77 lbs per linear foot. Windows to open toward the outside. New Windows to match existing windows in elevation.

STAGE I CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

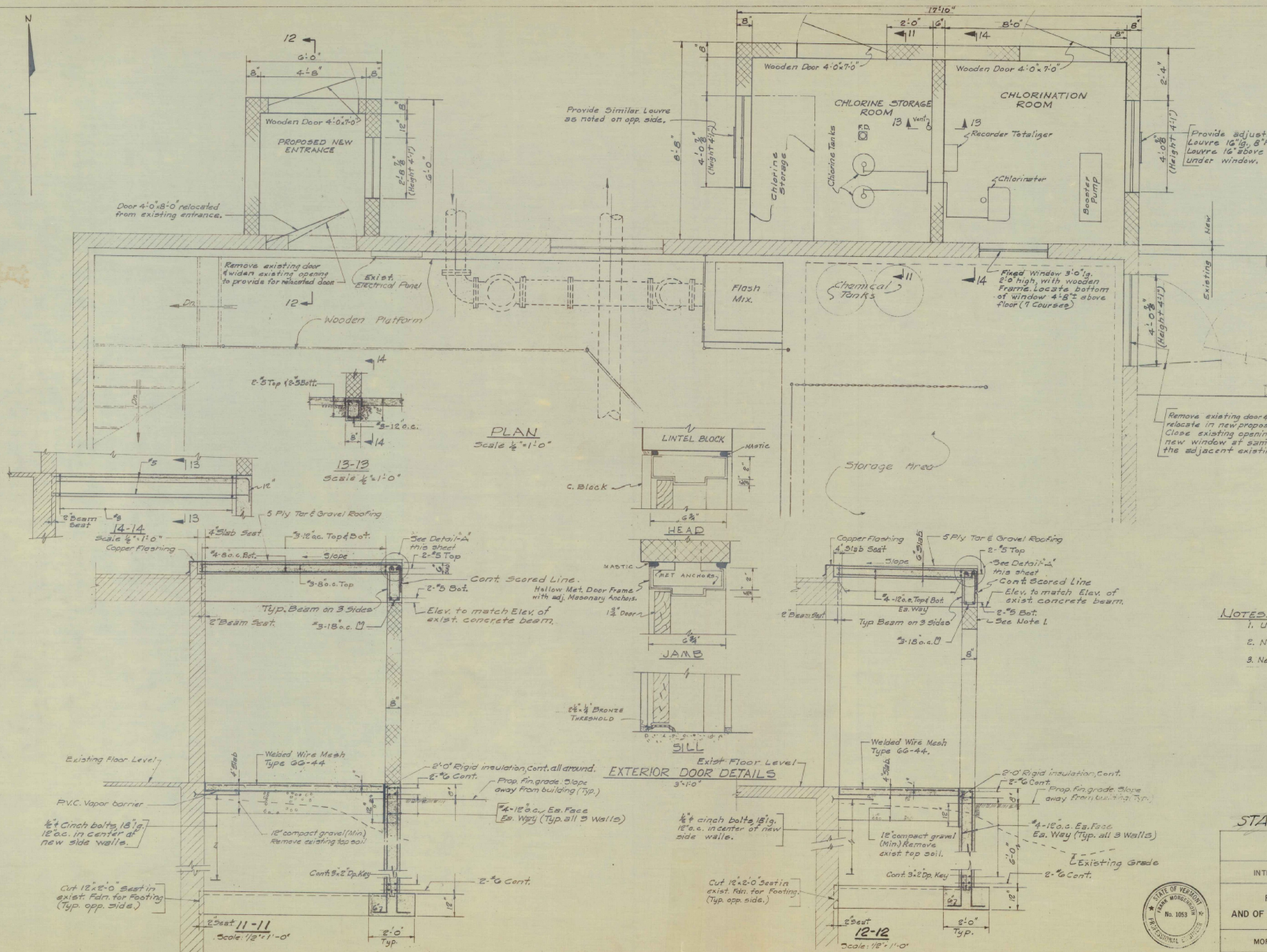
INTERSTATE PROJECT IN THE CITY OF WINDSOR

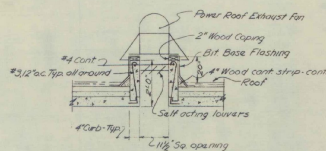
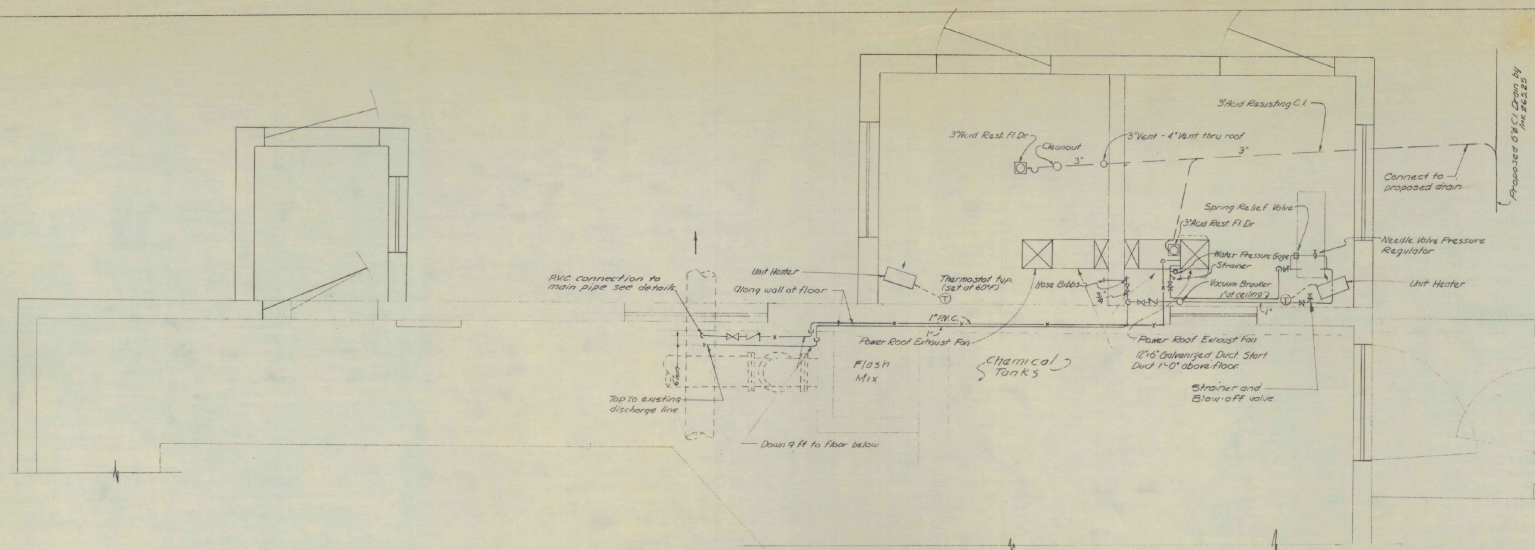
RELOCATION OF CHLORINATION BUILDING
AND OF ENTRANCE TO FILTERING PLANT—SHEET NO. 1

MORGENROTH & ASSOCIATES INC. BOSTON, MASS.

PROJECT NO. 1-89-385 DRAWING NO. 2 OF 4

Sheet 145 of 150 Sheets



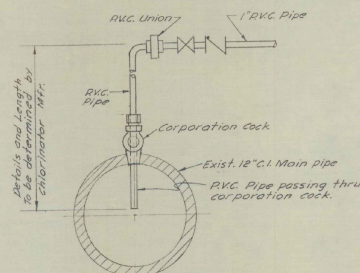


POWER ROOF EXHAUST FAN DETAIL
No scale

MECHANICAL EQUIPMENT SCHEDULE

HEATING
2- Blower-Type Unit Heaters, Each Unit 3kw @ 240 volt with wall mounted brackets, locate near ceiling. Thermostat, 3°F Differential, 40°F to 80°F Temp. Range, locate 5'0\"/>

VENTILATION
2 Power Roof Exhaust Fans, each rated at Minimum of 300 cfm, at 1/2 S.P. 1/2 H.P.



DETAIL OF CHLORINE SOLUTION PIPE CONNECTION TO EXISTING C.I. MAIN

PLAN
Scale: 1/2\"/>

PLUMBING LEGEND

- Gate Valve
- Check Valve
- Hard Resisting C.I.
- Copper Tubing
- RVC Pipe

NOTES

1. All water piping shall be Type L copper tubing with cast brass solder joint fitting.
2. All valves shall be 125 psi W.S.P. Bronze.
3. RVC pipe shall be specified in specifications.

STAGE I CONSTRUCTION
HEATING, VENTILATION & PLUMBING

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN THE CITY OF WINOOSKI

RELOCATION OF CHLORINATION BUILDING
AND OF ENTRANCE TO FILTERING PLANT—SHEET NO. 2

MORGENROTH & ASSOCIATES INC. BOSTON, MASS.

PROJECT NO. T-69-3(15) DRAWING NO. 3 OF 4

Sheet 146 of 150 Sheets



FIXTURE SCHEDULE				
TYPE	MTS.	LAMP DATA		
	HGT.	NO.	TYPE	WATTS
A	CEILING	2	RS	40
B	9'-0"	1	I	150
C	8'-0"	1	I	100

PANEL SCHEDULE				
POWER PANEL "A" (120/240V. 1 ϕ 3 WIRE)				
GR. No.	LOAD SERVED	BRANCH CIRCUIT BREAKERS	Frame	TRIP
A-1	Lighting	1	1	100 20
A-2	Receptacles	1	1	100 20
A-3	Chlorinator	1	1	100 20
A-4	Exhaust Fan (1/2 HP)	1	1	100 20
A-5	Booster Pump (1/2 HP)	1	2	100 30
A-6	Unit Heater (3 kW)	1	2	100 20
A-7	Unit Heater (3 kW)	1	2	100 20
A-8	Spare	1	1	100 20
A-9	Spare	1	1	100 20

- LEGEND**
- Fluorescent Fixture Outlet
 - ▲ Fixture Type
 - Ceiling Outlet
 - Wall Outlet
 - Junction Box
 - ⊖ Thermostat
 - ⊖ Motor
 - ⊖ Duplex Convenience Outlet, 3 Pole, 2 Wire Grounded Type.
 - ⊖ Single Pole Switch
 - ⊖ Three Way Switch
 - ⊖ Manual Motor Switch With Thermal Overload-Weatherproof.
 - ⊖ Power Panelboard
 - ⊖ Magnetic Contactor
 - ⊖ Magnetic Motor Starter With Hand-Off-Auto Switch in Cover.
 - Conduit Run Concealed in Ceiling or Wall.
 - Conduit Run Exposed
 - Conduit Run Concealed in or under Floor.
 - Home Run to Panelboard. Arrowheads indicate Number of Circuits. Note: Any Circuit without Further Designation indicates a two Wire Circuit. A Greater Number of Wires are Indicated: (***), Three Wires, (****), Four Wires, etc.

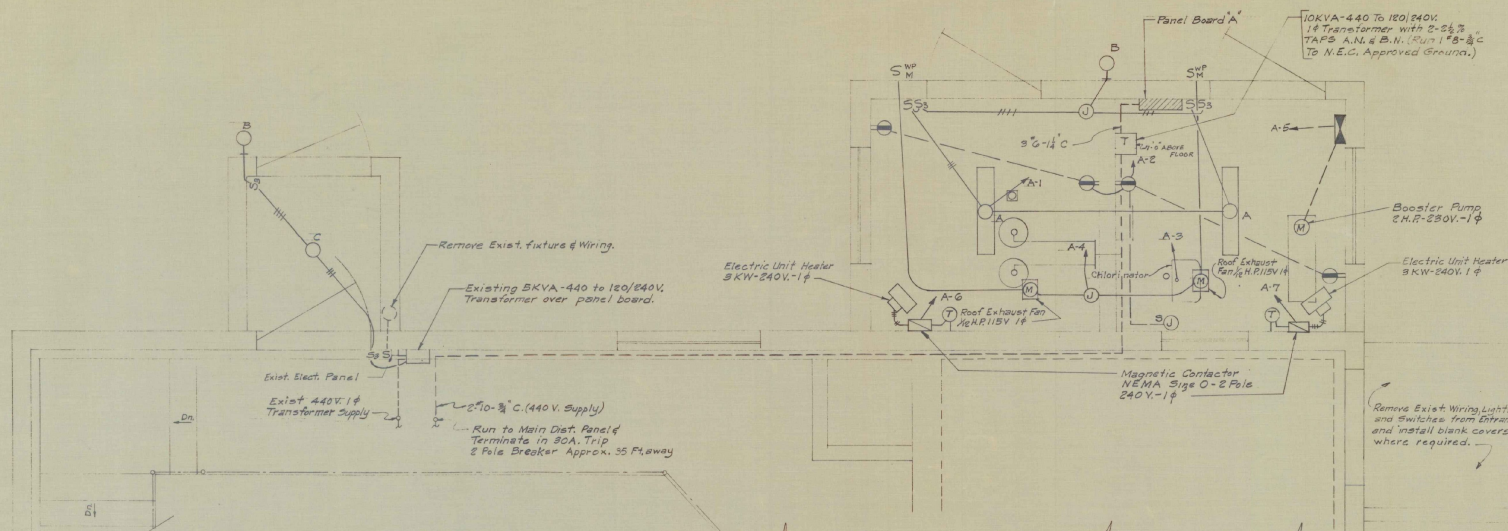
ELECTRICAL NOTES

- Service to the Extant Building is 440 Volts, 3 Phase, 3 Wire.
- All Wiring shall be in 3/4" rigid steel Conduit using #12 AWG minimum size.

STAGE I CONSTRUCTION ELECTRICAL

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE CITY OF WINOOSKI	
RELOCATION OF CHLORINATION BUILDING AND OF ENTRANCE TO FILTERING PLANT—SHEET NO 3	
MORGENROTH & ASSOCIATES INC. BOSTON, MASS.	
PROJECT NO 1-89-3(15)	DRAWING NO 4 OF 4

Sheet 147 of 150 Sheets

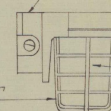


PLAN

Scale: 1/8" = 1'-0"

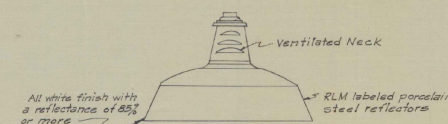
Cast Aluminum with Anodized satin aluminum finish.

Solid cast aluminum guard.



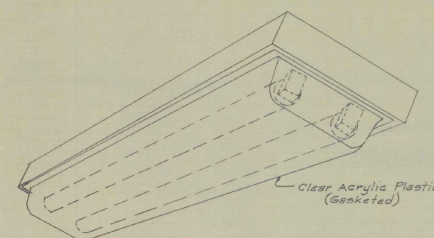
Gasketed tapered opal glass globe with threaded neck.

TYPE "B" FIXTURE



Ventilated Neck
All white finish with a reflectance of 85% or more
RLM labeled porcelain steel reflectors

TYPE "C" FIXTURE



TYPE "A" FIXTURE

Clear Acrylic Plastic (Gasketed)

Vermont Agency of
Transportation
PHASE 1-INTERSTATE
#122302-01



HANGER 287^{ONE}

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Winooski-Colchester
I 89-3 (15)

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