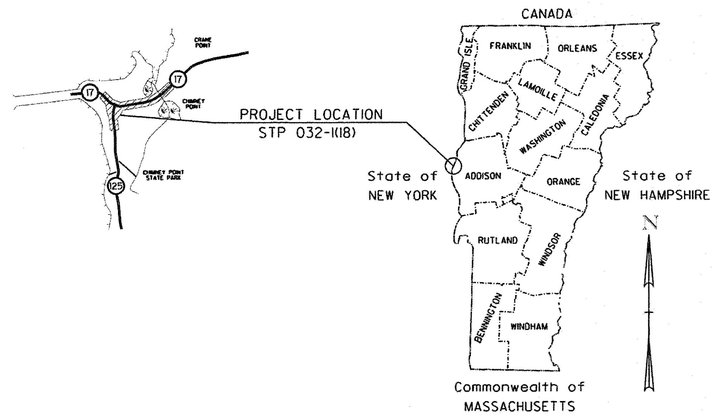
STATE OF VERMONT
AGENCY OF TRANSPORTATION

INDEX OF SHEETS
SEE SHEET 2

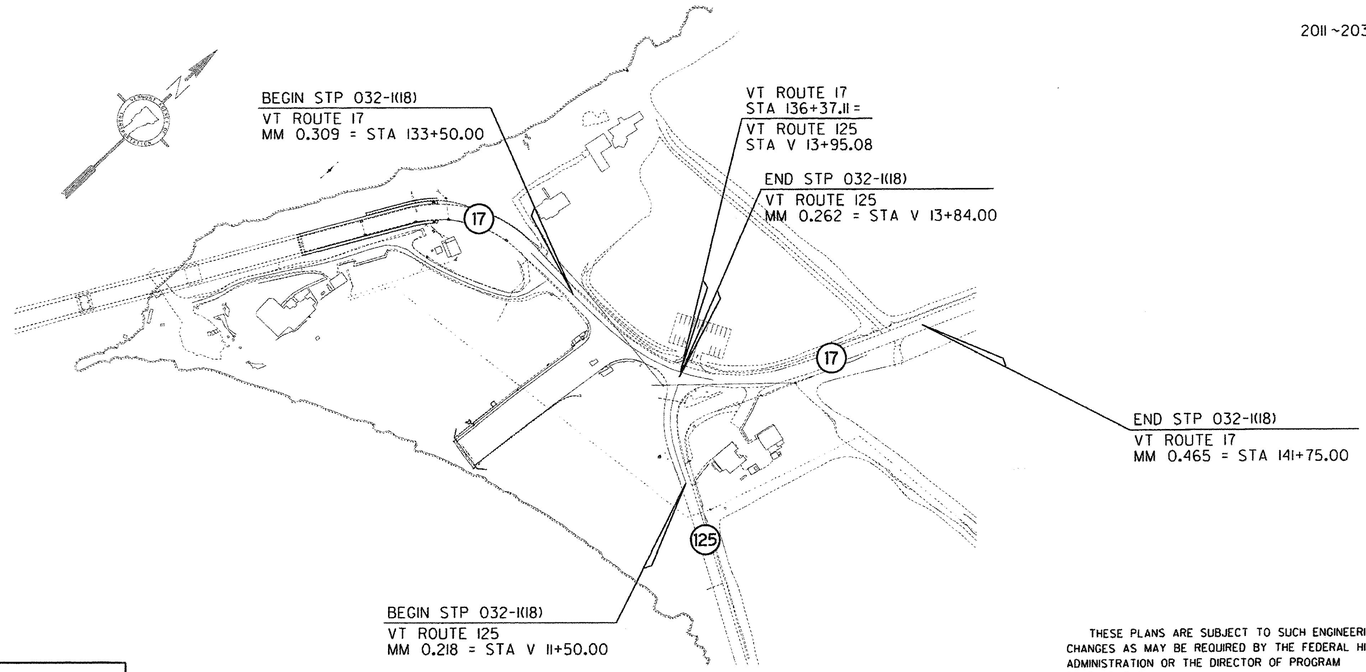


PROPOSED IMPROVEMENT
TOWN OF ADDISON
COUNTY OF ADDISON
VT. ROUTE 17 AND VT. ROUTE 125

BEGINNING APPROXIMATELY 1630 FT (0.309 MILE) EAST OF THE VERMONT/NEW YORK STATE LINE AT STA 133+50.00 (MM 0.309) AND EXTENDING EASTERLY FOR A DISTANCE OF 825 FT (0.156 MILE) TO STA 141+75.00 (MM 0.465). THE PROJECT WILL INCLUDE THE RESURFACING OF VT 125 STARTING AT STA V 11+50.00 (MM 0.218) AND EXTENDING NORTHERLY FOR A DISTANCE 234 FT (0.044 MILE) TO STA V 13+84.00 (MM 0.262)

LENGTH OF ROADWAY 1,059 FT (0.200 MILE)
LENGTH OF PROJECT 1,059 FT (0.200 MILE)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND OVERLAYING WITH A LEVELING COURSE AND A WEARING COURSE, WITH PAVEMENT MARKINGS, SIGNS, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS. THIS PROJECT ALSO INCLUDES THE REMOVAL OF THE FERRY ACCESS ROAD, CONSTRUCTION OF A NEW BOAT LAUNCH, CONSTRUCTION OF TWO GRAVEL PARKING LOTS, CONSTRUCTION OF WALKING PATHS, RESHAPING THE CHIMNEY POINT DRIVEWAY AND INCIDENTAL ITEMS.



BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	2,078,000
DESIGN NUMBER OF GYRATIONS	50
PERFORMANCE GRADE ASPHALT BINDER	SUBSECTION 490.03B

TRAFFIC DATA

2011 ADT = 3258
2031 ADT = 3592
2031 DHV = 431
T = 8.8%
D = 56%
V = 30 MPH
2011~2031 CUM ESALS = 2,078,000
MINOR ARTERIAL

RECORD PLANS

CONTRACTOR: PECKHAM ROAD CORPORATION, -QUEENSBURY, NY
RESIDENT ENGINEER: JOE KNIPES DALE NORTON
CONSTRUCTION BEGAN: NOVEMBER 5, 2012
CONSTRUCTION COMPLETE: OCTOBER 30, 2015
RECORD PLANS BY: JOE KNIPES & JESSE IVES

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY for DALE NORTON RESIDENT ENGINEER
DATE 8-30-18

NOTE: Any further information concerning final quantities, amounts or other details rel..tive to this project may be found at Central Files in the electronic archives.

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS (SR SR SR)
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : NYSDOT
SURVEYED DATE : JULY 2007

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83/96

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

STATE OF VERMONT
GARY R. ROBINSON
No. 09321
CIVIL
LICENSED
PROFESSIONAL ENGINEER

PLANS PREPARED BY

CHA
111 Winners Circle, PO Box 5269 · Albany, NY 12205-0269
Main: (518) 453-4500 · www.chacompanies.com

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE _____

PROJECT MANAGER : DANNY LANDRY

PROJECT NAME : ADDISON

PROJECT NUMBER : STP 032-1(18)

SHEET 1 OF 100 SHEETS

FILE NAME : U:\2013\CAD\MSW\22E888_cover.dgn
DATE/TIME : 7/5/2012
USER : 406

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VTRANS STANDARDS

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E-102	06-30-03
E-102A	05-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	06-08-09
E-108	06-08-09
E-108A	06-08-09
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E-120	08-08-95
E-121	08-08-95
E-123	03-16-04
E-127	08-08-95
E-131B	05-30-03
E-136B	08-08-95
E-138	05-30-03
E-141	09-20-95
E-143	06-15-04
E-144	03-29-99
E-151	05-01-04
E-163	05-20-99
E-164	06-08-09
E-191	02-01-99
E-193	08-18-95
J-3	08-07-95

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DATE/TIME = 7/12/2012
USER = 4866

INDEX OF SHEETS

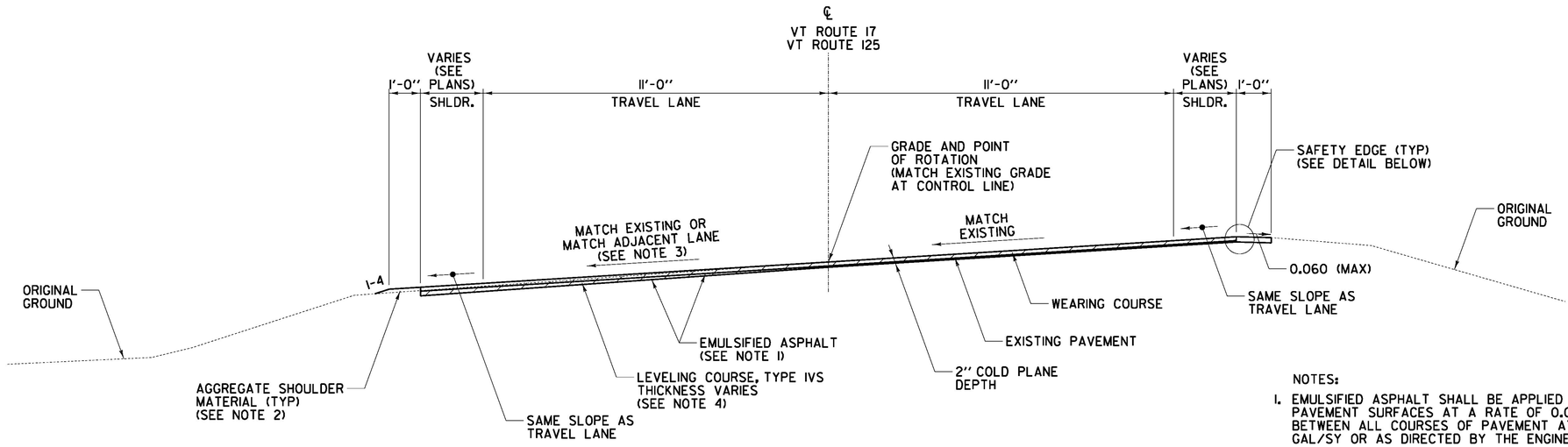
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_Index_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: IND-1	SHEET 2 OF 100

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT COURSES (TOTAL DEPTH)	± 1/4"

TYPICAL SECTION
VT ROUTES 17 AND 125

1½" WEARING COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IVS)

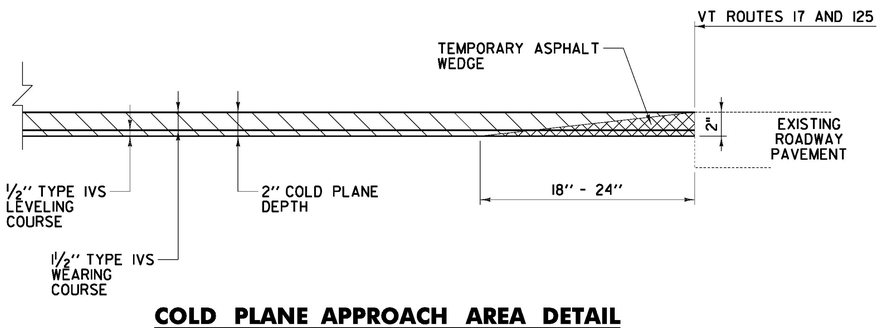


VT ROUTES 17 AND 125

VT ROUTE 17 STA 133+50.00 TO STA 141+75.00
VT ROUTE 125 STA V 11+50.00 TO STA V 13+84.00

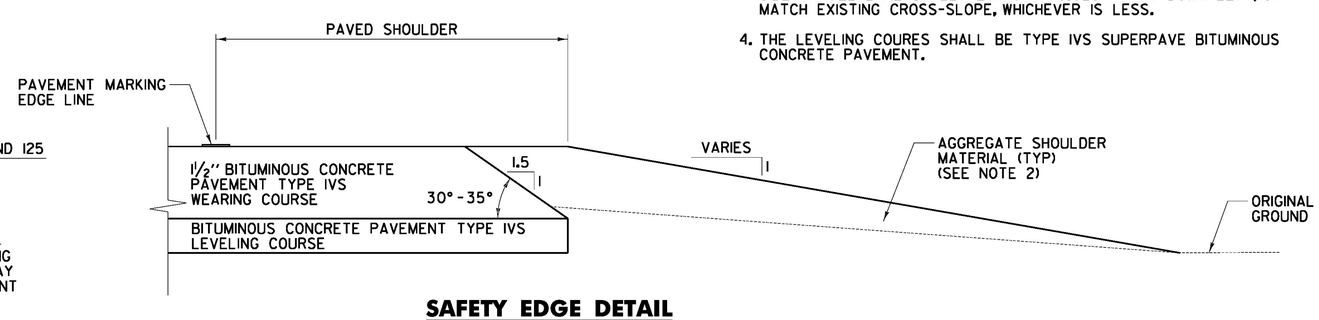
NOTES:

1. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL COLD PLANED PAVEMENT SURFACES AT A RATE OF 0.080 GAL/SY AND BETWEEN ALL COURSES OF PAVEMENT AT A RATE OF 0.040 GAL/SY OR AS DIRECTED BY THE ENGINEER.
2. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNER ITEM 402.12 AGGREGATE SHOULDERS.
3. ON VT ROUTE 17, THE LOW SIDE TRAVEL LANE (LEFT LANE) REQUIRES CROSS-SLOPE CORRECTION (APPROXIMATELY BETWEEN STA. 135+50 AND STA. 139+00). THE ENTIRE ROADWAY SHALL BE COLD PLANED 2" AND THEN A LEVELING COURSE SHALL BE USED TO MATCH THE CROSS-SLOPE OF THE HIGH SIDE TRAVEL LANE. THE CONTRACTOR SHALL MAINTAIN THE CROSS-SLOPE OF THE HIGH SIDE TRAVEL LANE (RIGHT LANE) AND USE THAT EXISTING RIGHT LANE CROSS-SLOPE PROJECTION TO ESTABLISH THE CROSS-SLOPE OF THE LOW SIDE TRAVEL LANE. THIS METHOD SHALL BE USED TO ESTABLISH CROSS-SLOPE UNTIL THE HIGH SIDE TRAVEL LANE TRANSITIONS TO LESS THAN 0.020 FT/FT UP RIGHT. AT THIS POINT, AND BEYOND, THE LOW SIDE TRAVEL LANE SHALL REMAIN AT 0.020 FT/FT DOWN LEFT, OR MATCH EXISTING CROSS-SLOPE, WHICHEVER IS LESS.
4. THE LEVELING COURES SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.



COLD PLANE APPROACH AREA DETAIL

VT ROUTE 17 STA. 133+50.00
VT ROUTE 17 STA. 141+75.00
VT ROUTE 125 STA. V 11+50.00



SAFETY EDGE DETAIL

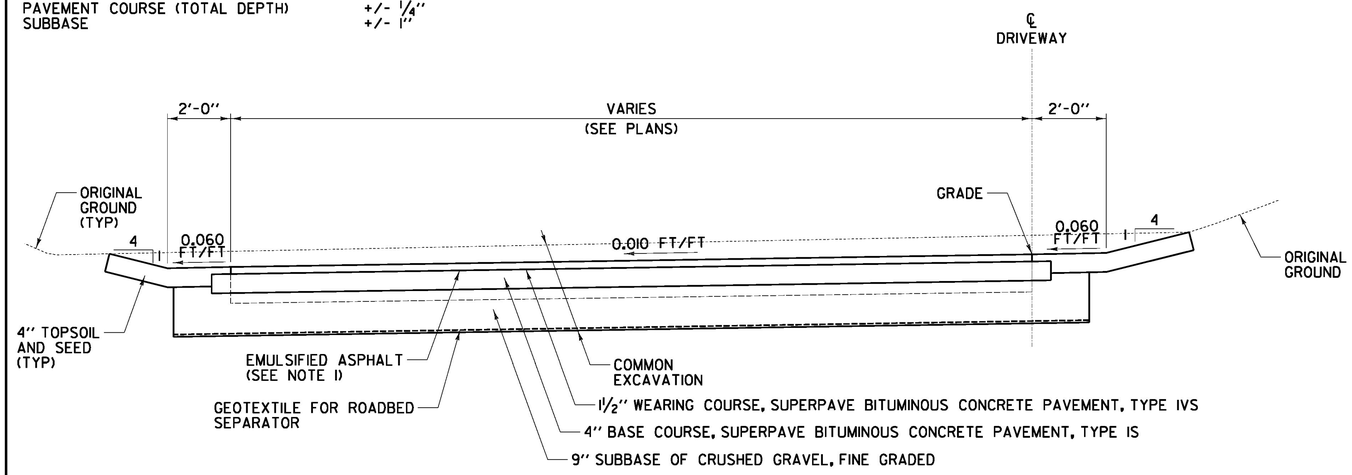
NOT TO SCALE

TYPICAL SECTION SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
PROJECT NUMBER: STP 032-1(18)	
FILE NAME: z12E008_typ_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: TS-1	SHEET 3 OF 100

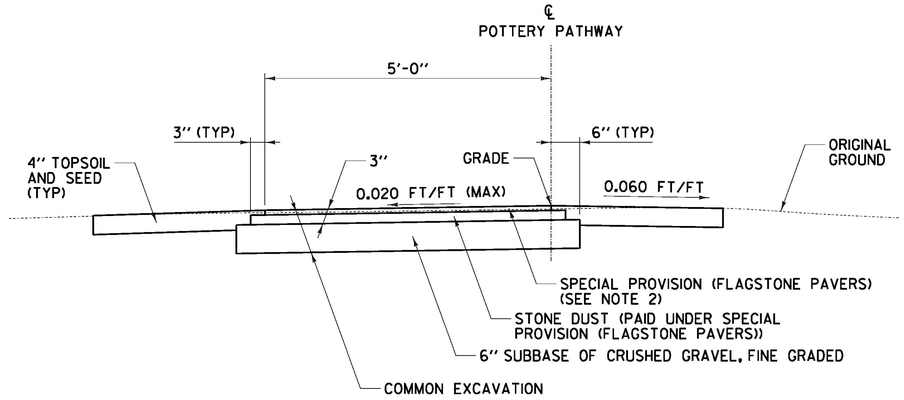
FILE NAME = U:\20330\CADD\MSTN\z12E008_typ_01.dgn
DATE/TIME = 7/12/2012
USER = 4066

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT COURSE (TOTAL DEPTH)	+/- 1/4"
SUBBASE	+/- 1"



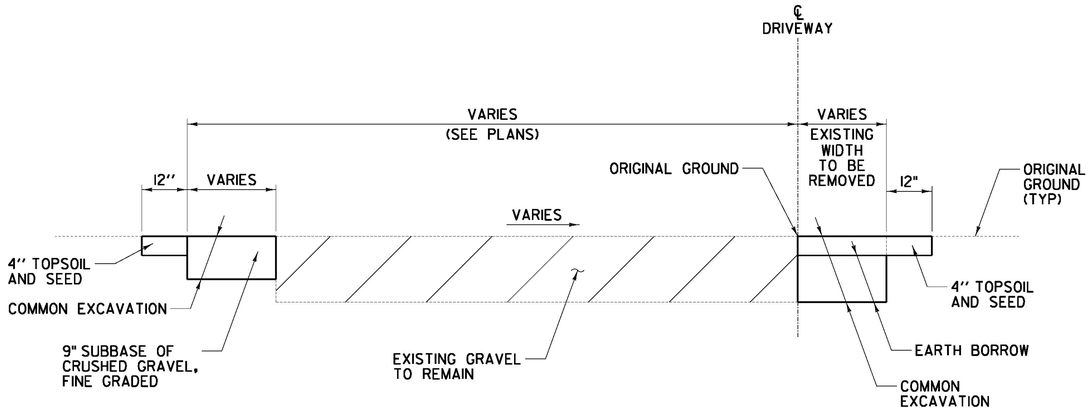
CHIMNEY POINT DRIVEWAY (RECONSTRUCTION) TYPICAL SECTION

STA CP 9+93.09+/- TO STA CP 13+00.00
STA CP 18+25.00 TO STA CP 18+60.0+/-



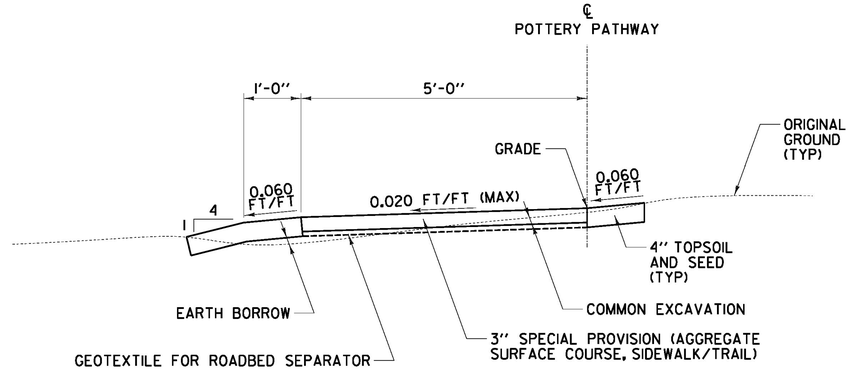
POTTERY PATHWAY TYPICAL SECTION

STA M 1+00.00 TO STA M 1+30.54



WIDENING **CHIMNEY POINT DRIVEWAY (RESHAPING) TYPICAL SECTION** **REMOVAL**

STA CP 13+00.00 TO STA CP 18+25.00



POTTERY PATHWAY TYPICAL SECTION

STA M 1+42.60 TO STA M 2+23.73

NOTES:

1. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL COLD PLANED SURFACES AND ALL PAVEMENT SURFACES AT A RATE OF 0.080 GAL/SY AND BETWEEN ALL PAVEMENT COURSES AT A RATE OF 0.040 GAL/SY OR AS DIRECTED BY THE ENGINEER.

2. FLAGSTONE PATTERN AND STONE SHALL MATCH EXISTING FLAGSTONE PATH PATTERN AND STONE. PAYMENT FOR FLAGSTONE AND STONE DUST WILL BE MADE UNDER CONTRACT ITEM 900.675 SPECIAL PROVISION (FLAGSTONE PAVERS).

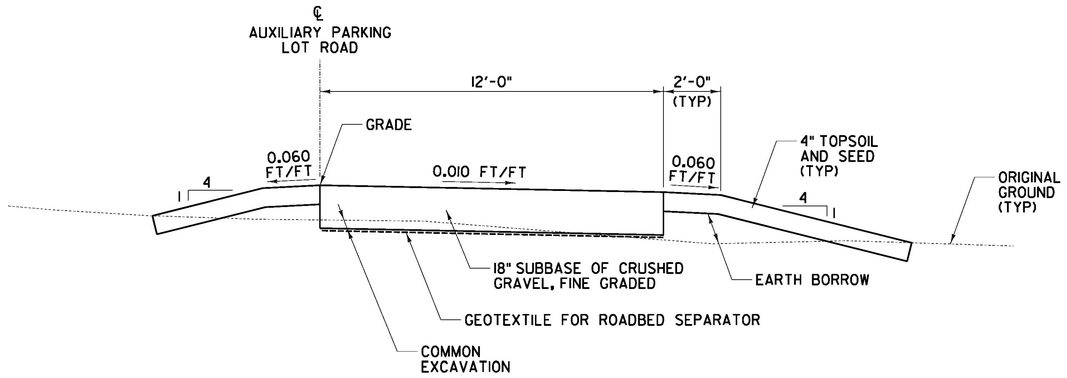
NOT TO SCALE

TYPICAL SECTION SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

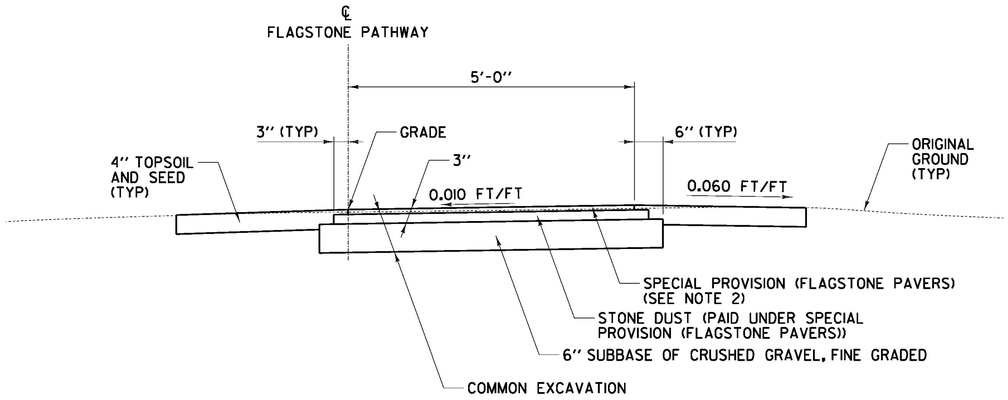
FILE NAME: z12E008_typ_02.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: TS-2	SHEET 4 OF 100

FILE NAME = U:\2833@\CADD\MSTN\z12E008_typ_02.dgn
DATE/TIME = 7/12/2012
USER = 4866



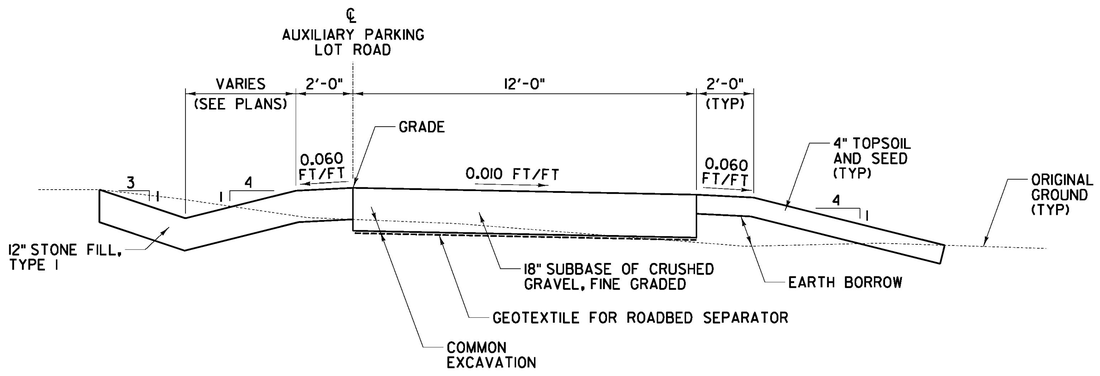
AUXILIARY PARKING LOT ROAD TYPICAL SECTION

STA P 10+00.00 TO STA P 10+35.00
STA P 11+75.00 TO STA P 14+60.05
NOTE: SEE SHEET 63 FOR ADDITIONAL AUXILIARY PARKING LOT DETAILS



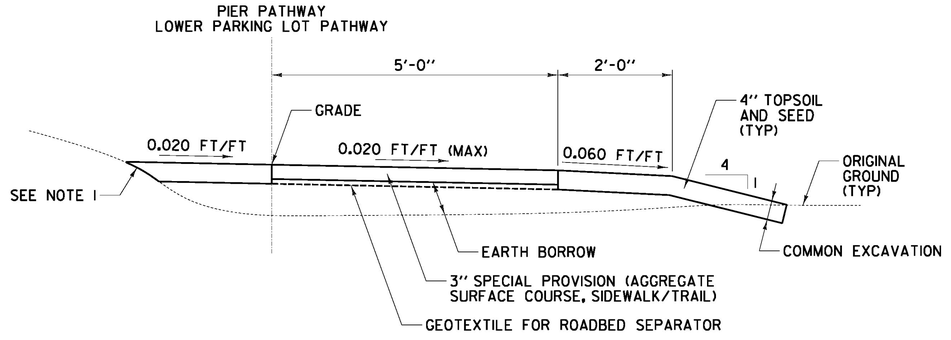
FLAGSTONE PATHWAY TYPICAL SECTION

STA NF 10+00.00 TO STA NF 10+92.46
STA NF 11+12.28 TO STA NF 12+59.95



AUXILIARY PARKING LOT ROAD WITH DITCH TYPICAL SECTION

STA P 10+35.00 TO STA P 11+75.00



PIER PATHWAY & LOWER PARKING LOT PATHWAY TYPICAL SECTION

STA L 1+00.00 TO STA L 3+80.00
STA LP 1+00.00 TO STA LP 1+33.56

NOTES:

1. EXISTING STONE FOUNDATION REMAINS SHALL NOT BE DISTURBED. PROPOSED FILL SHALL BE PLACED OVER REMAINS IN METHOD THAT WILL NOT IMPACT REMAINS.
2. FLAGSTONE PATTERN AND STONE SHALL MATCH EXISTING FLAGSTONE PATH PATTERN AND STONE. PAYMENT FOR FLAGSTONE AND STONE DUST WILL BE MADE UNDER CONTRACT ITEM 900.675 SPECIAL PROVISION (FLAGSTONE PAVERS).

NOT TO SCALE

TYPICAL SECTION SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_typ_03.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: TS-3	SHEET 5 OF 100

FILE NAME = u:\2033a\CADD\MSTN\z12E008_typ_03.dgn
DATE/TIME = 7/12/2012
USER = 4686

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES

EMPLOYEE TRAINEESHIP	ROADWAY	EROSION CONTROL	FULL C.E. ITEM	BOAT LAUNCH	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
	1				1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	
	5800			3000	8800		CY	COMMON EXCAVATION	203.15	88
				1680	1680		CY	CHANNEL EXCAVATION OF EARTH	203.25	
	325				325		CY	EARTH BORROW	203.30	29
				3000	3000		CY	GRANULAR BORROW	203.32	
				30	30		CY	GRAVEL BACKFILL FOR SLOPE STABILIZATION	203.35	
	25				25		CY	TRENCH EXCAVATION OF EARTH	204.20	
	1				1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.
				300	300		CY	STRUCTURE EXCAVATION	204.25	
	70				70		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	3.86
				1	1		LS	COFFERDAM	208.40	
	3400				3400		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	199
	1200				1200		CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	100
	75			105	180		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	
	30				30		TON	AGGREGATE SHOULDERS	402.12	3
	50				50		CWT	EMULSIFIED ASPHALT	404.65	12
	1				1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	EST.
	675				675		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	21
	1				1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	EST.
				5925	5925		LB	REINFORCING STEEL, LEVEL 1	507.11	
				50	50		LF	DRILLING AND GROUTING DOWELS	507.16	
	1				1		EACH	REMOVAL OF STRUCTURE (FERRY ACCESS ABUTMENT)	529.15	
				45	45		CY	REMOVAL OF CONCRETE OR MASONRY	529.25	
				80	80		CY	CONCRETE, CLASS A	541.22	
				3	3		CY	CONCRETE, CLASS B	541.25	
	94				94		LF	18" CPEP(SL)	601.2615	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COMMON EXCAVATION
353	CY	CHIMNEY POINT DRIVEWAY
4486	CY	FERRY ACCESS ROAD
641	CY	AUXILIARY PARKING LOT
109	CY	BOAT LAUNCH PATHWAY
47	CY	FLAGSTONE PATHWAY
8	CY	POTTERY PATHWAY
12	CY	PIER PATHWAY
56	CY	DITCH
3000	CY	BOAT LAUNCH
88	CY	ROUNDING
8800	CY	TOTAL
		COLD PLANING, BITUMINOUS CONCRETE
2361	SY	VT ROUTE 17
840	SY	VT ROUTE 125
199	SY	ROUNDING
3400	SY	TOTAL
		SUBBASE OF CRUSHED GRAVEL, FINE GRADED
125	CY	BOAT LAUNCH PARKING LOT
203	CY	CHIMNEY POINT DRIVEWAY
31	CY	FLAGSTONE PATHWAY
11	CY	POTTERY PATHWAY
385	CY	AUXILIARY PARKING LOT
346	CY	AUXILIARY PARKING LOT PATH
100	CY	ROUNDING
1200	CY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
370	TON	WEARING COURSE (TYPE IVS)
123	TON	LEVELING COURSE (TYPE IVS)
161	TON	BASE COURSE (TYPE I)
21	TON	ROUNDING
675	TON	TOTAL

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DATE/TIME = 7/12/2012
USER = ADG

QUANTITY SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_quan_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: QU-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 6 OF 100

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
EMPLOYEE TRAINEESHIP	ROADWAY	EROSION CONTROL	FULL C.E. ITEM	BOAT LAUNCH	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
	4				4		EACH	18" CPEPES	601.7015				
	300				300		LF	CLEANING CULV. PIPE, IN-PLACE [0 TO 24 IN., INCL.]	601.995	19			
	10				10		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			
	75				75		MGAL	DUST CONTROL WITH WATER	609.10	EST.			
	1				1		TON	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15	EST.			
	70				70		CY	STONE FILL, TYPE I	613.10	6.9			
				100	100		CY	STONE FILL, TYPE II	613.11				
	50				50		CY	RIPRAP, LIGHT TYPE	613.16				
	1				1		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10				
	4				4		EACH	YIELDING MARKER POSTS	619.17				
	60				60		LF	REMOVAL OF EXISTING FENCE	620.55	5			
	100				100		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
	500				500		HR	FLAGGERS	630.15	EST.			
			1		1		LS	FIELD OFFICE, ENGINEERS	631.10				
			1		1		LS	TESTING EQUIPMENT, CONCRETE	631.16				
			1		1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17				
			3000		3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26				
520					520		HR	EMPLOYEE TRAINEESHIP	634.10				
	1				1		LS	MOBILIZATION/DEMOBILIZATION	635.11				
	1				1		LS	TRAFFIC CONTROL	641.10				
	1				1		LS	PUBLIC RELATIONS OFFICER	641.12				
	3				3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15				
	2200				2200		LF	DURABLE 4 INCH WHITE LINE, RECESSED TYPE I TAPE	646.407	110			
	2200				2200		LF	DURABLE 4 INCH YELLOW LINE, RECESSED TYPE I TAPE	646.417	150			
	35				35		LF	DURABLE 24 INCH STOP BAR, RECESSED TYPE I TAPE	646.487	2			
	4				4		EACH	DURABLE LETTER SYMBOL, EPOXY PAINT	646.493				
	4400				4400		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST.			

QUANTITY SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_quan_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: QU-2

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 7 OF 100

FILE NAME = U:\2033R\CADD\MSTN\z12E008_quan_02.dgn
DATE/TIME = 7/12/2012
USER = 4086

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
EMPLOYEE TRAINEESHIP	ROADWAY	EROSION CONTROL	FULL C.E. ITEM	BOAT LAUNCH	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
	4400				4400		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST.			
	70				70		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST.			
	8				8		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	EST.			
	325				325		EACH	LINE STRIPING TARGETS	646.76	EST.			
	2700			500	3200		SY	GEOTEXTILE FOR ROADBED SEPARATOR	649.11	23			
		600		800	1400		SY	GEOTEXTILE FOR FILTER CURTAIN	649.61	28			
		100			100		LB	SEED	651.15	EST.			
		750			750		LB	FERTILIZER	651.18	EST.			
		3			3		TON	AGRICULTURAL LIMESTONE	651.20	EST.			
		3			3		TON	HAY MULCH	651.25	EST.			
		450			450		CY	TOPSOIL	651.35	EST.			
		1			1		LS	EPSC PLAN	652.10				
		40			40		HR	MONITORING EPSC PLAN	652.20	EST.			
		1			1		LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30				
		80			80		SY	TEMPORARY EROSION MATTING	653.20	9			
		6			6		CY	TEMPORARY STONE CHECK DAM, TYPE I	653.25	1			
		40			40		CY	VEHICLE TRACKING PAD	653.35	2			
		4			4		EACH	INLET PROTECTION DEVICE, TYPE I	653.40				
		1450			1450		LF	BARRIER FENCE	653.50	84.8			
		2800			2800		LF	PROJECT DEMARCATION FENCE	653.55	149			
		2125			2125		LF	EROSION LOG	653.60	36.7			
	6				6		EACH	EVERGREEN TREES (PINEA GLAUCA) (B&B) (7' - 8' HT)	656.20				
	8				8		EACH	EVERGREEN TREES (PINUS STROBUS) (B&B) (7' - 8' HT)	656.20				
	5				5		EACH	DECIDUOUS TREES (ACER RUBRUM VAR. "OCTOBER GLORY") (B&B) (2" - 2 1/2" CAL)	656.30				
	3				3		EACH	DECIDUOUS TREES (AMERICAN ELM CULTIVAR) (B&B) (2" - 2 1/2" CAL)	656.30				
	10				10		EACH	DECIDUOUS TREES (CARYA OVATA) (B&B) (1 1/2" - 2" CAL)	656.30				

FILE NAME = U:\2033\CADD\MSTN\z12E008_quan_03.dgn
DATE/TIME = 7/12/2012
USER = 4066

QUANTITY SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_quan_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: QU-3

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 8 OF 100

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 4

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
EMPLOYEE TRAINEESHIP	ROADWAY	EROSION CONTROL	FULL C.E. ITEM	BOAT LAUNCH	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
	5				5		EACH	DECIDUOUS TREES (CERCIS CANADENSIS) (B&B) (6' - 7' HT)	656.30				
	7				7		EACH	DECIDUOUS TREES (CRATAEGUS PHAENOPYRUM) (B&B) (1 3/4" - 2" CAL)	656.30				
	3				3		EACH	DECIDUOUS TREES (MALUS SP.) (B&B) (3/4" - 1" CAL)	656.30				
	5				5		EACH	DECIDUOUS TREES (QUERCUS RUBRA) (B&B) (2 - 2 1/2" CAL)	656.30				
	277				277		SF	TRAFFIC SIGNS, TYPE A	675.20	0.83			
	600				600		LB	TUBULAR STEEL SIGN POST	675.33	9.8			
	460				460		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	12			
	6				6		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43				
	57				57		EACH	REMOVING SIGNS	675.50				
	3				3		EACH	ERECTING SALVAGED SIGNS	675.60				
	1				1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50				
	30				30		CY	SPECIAL PROVISION (AGGREGATE SURFACE COURSE, SIDEWALK/TRAIL)	900.608	4			
	1				1		EACH	SPECIAL PROVISION (AMPHITHEATER)	900.620				
	2				2		EACH	SPECIAL PROVISION (BAT HOUSE)	900.620				
	1				1		EACH	SPECIAL PROVISION (BICYCLE RACK)	900.620				
	1				1		EACH	SPECIAL PROVISION (COMMEMORATION PIER)	900.620				
				1	1		EACH	SPECIAL PROVISION (DOCK)	900.620				
	11				11		EACH	SPECIAL PROVISION (INFORMATIONAL SIGN WITH STEEL POSTS)	900.620				
	1				1		EACH	SPECIAL PROVISION (INFORMATIONAL SIGN WITH STAND-OFF SIGN HOLDERS)	900.620				
	1				1		EACH	SPECIAL PROVISION (REMOVE AND TRANSPORT BUILDING)	900.620				
	70				70		LF	SPECIAL PROVISION (REMOVAL OF TEMPORARY TRAFFIC BARRIER)	900.640				
	420				420		LF	SPECIAL PROVISION (WOOD POST AND CHAIN FENCE)	900.640	18			
	3100				3100		SY	SPECIAL PROVISION (COLD PLANING BITUMINOUS PAVEMENT)	900.675	112			
	200				200		SY	SPECIAL PROVISION (FLAGSTONE PAVERS)	900.675	43			
	200				200		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	27.8			
		450			450		CY	TOPSOIL (RENEGOTIATED PRICE) (CHANGE ORDER 7)	651.35				
	150				150		CY	RIPRAP, HEAVY TYPE (CHANGE ORDER 3)	613.15				
	1				1		EACH	SUPPLEMENTAL AGREEMENT (COMMEMORATIVE PIER) (MOD-PRIMER/STEEL PLATES) (CHANGE ORDER 4)	900.520				
	48				48		EACH	SUPPLEMENTAL AGREEMENT (PARKING LOT BOULDERS) (CHANGE ORDER 5)	900.520				
	12				12		EACH	SUPPLEMENTAL AGREEMENT (WHISKEY BARREL PLANTERS) (CHANGE ORDER 5)	900.520				
	1				1		LS	SUPPLEMENTAL AGREEMENT (ABUTMENT SCUPPER PIPE) (CHANGE ORDER 5)	900.545				
	2				2		EACH	SUPPLEMENTAL AGREEMENT (12" RCPES CLASS III) (CHANGE ORDER 6)	900.520				
	78				78		LF	12" RCP CLASS III (CHANGE ORDER 6)	601.0805				
	40				40		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE II (CHANGE ORDER 6)	608.26				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (FLAGSTONE PAVERS) (DHP POSSESSION) (CHANGE ORDER 10)	900.520				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (INFORMATION SIGNS & STEEL POSTS) (DHP POSSESSION) (CHANGE ORDER 10)	900.520				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (8 X 8 INCH POSTS) (CHANGE ORDER 10)	900.520				
	0				0		SF	SUPPLEMENTAL AGREEMENT (CONCRETE BLOCK RETAINING WALL) (CHANGE ORDER 9)	900.570				
	0				0		LS	SUPPLEMENTAL AGREEMENT (AERIAL SCUPPER STONE PADS AND SWALE) (CHANGE ORDER 9)	900.545				
	0				0		LS	SUPPLEMENTAL AGREEMENT (COMMEMORATIVE PIER WELDED BOLT REPAIRS) (CHANGE ORDER 9)	900.545				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (CERCIS CANADENSIS) (CONT) (5 GAL) (CHANGE ORDER 11)	656.30				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (LLEX VETICILLATA) (CONT) (3 GAL) (CHANGE ORDER 11)	656.30				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (PRUNUS VIRGINAINA) (CONT) (3 GAL) (CHANGE ORDER 11)	656.30				
	0				0		EACH	SUPPLEMENTAL AGREEMENT (AEMLANCHIER CANADENSIS) (CONT) (5 GAL) (CHANGE ORDER 11)	656.30				

QUANTITY SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_quan_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: QU-4

PLOT DATE: 7/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 9 OF 100

FILE NAME = u:\2033R\CADD\MSTN\z12E008_quan_04.dgn
DATE/TIME = 7/20/2012
USER = wgp

ITEM DETAIL SUMMARY SHEET #1

LOCATION			FENCE		LANDSCAPING		REMARKS
			620.55	900.640	656.20	656.30	
BEGIN STATION	END STATION	POS.	REMOVAL OF EXISTING FENCE	SPECIAL PROVISION (WOOD POST AND CHAIN FENCE)	EVERGREEN TREES	DECIDUOUS TREES	
			LF	LF	EA	EA	
ADDISON:							
LP 1+02.0	VB 4+92.0	RT		114.0			INSTALL WOOD POST AND CHAIN FENCE AS SHOWN ON SHEET 18. SEE SHEET 66 FOR WOOD POST AND CHAIN FENCE DETAIL.
CP 10+31.0	CP 12+48.0	LT		222.0			INSTALL WOOD POST AND CHAIN FENCE AS SHOWN ON SHEET 18. SEE SHEET 66 FOR WOOD POST AND CHAIN FENCE DETAIL.
CP 12+53.0	CP 12+95.0	LT		42.0			INSTALL WOOD POST AND CHAIN FENCE AS SHOWN ON SHEETS 18 & 19. SEE SHEET 66 FOR WOOD POST AND CHAIN FENCE DETAIL.
CP 12+83.0	CP 12+95.0	RT	12				REMOVE EXISTING FENCE AS SHOWN ON SHEET 19.
129+83.2	130+13.5	RT	37				REMOVE EXISTING FENCE AS SHOWN ON SHEET 19.
129+94.0	130+00.0	RT	6				REMOVE EXISTING FENCE AS SHOWN ON SHEET 19.
NF 10+04.0	NF 10+28.0	RT		24.0			INSTALL WOOD POST AND CHAIN FENCE AS SHOWN ON SHEET 19. SEE SHEET 66 FOR WOOD POST AND CHAIN FENCE DETAIL.
CP 12+10.8		RT				1	INSTALL AMERICAN ELM AS SHOWN ON SHEET 71.
CP 12+30.7		RT				1	INSTALL AMERICAN ELM AS SHOWN ON SHEET 71.
CP 12+50.6		RT				1	INSTALL AMERICAN ELM AS SHOWN ON SHEET 71.
126+91.6		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
127+11.5		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
127+29.8		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
127+48.0		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
127+69.5		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
127+87.5		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
128+07.0		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
128+20.9		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
128+31.6		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
128+49.7		LT				1	INSTALL SHAGBARK HICKORY AS SHOWN ON SHEET 72.
130+63.7		RT				1	INSTALL SNOW APPLE AS SHOWN ON SHEET 72.
130+83.2		RT				1	INSTALL SNOW APPLE AS SHOWN ON SHEET 72.
131+12.0		RT				1	INSTALL SNOW APPLE AS SHOWN ON SHEET 72.
P 11+82.1		RT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+09.8		RT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+24.8		RT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+29.8		RT				1	INSTALL RED OAK AS SHOWN ON SHEET 73.
P 12+34.3		LT				1	INSTALL RED OAK AS SHOWN ON SHEET 73.
P 12+42.5		RT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+50.3		RT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+57.3		LT				1	INSTALL EASTERN REDBUD AS SHOWN ON SHEET 73.
SUBTOTAL THIS SHEET:			55.0	402.0	5	19	

FILE NAME = u:\2033a\CADD\MSTN\z12E008_1ds_01.dgn
DATE/TIME = 7/12/2012
USER = WGP

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_1ds_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: IDS-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 10 OF 100

ITEM DETAIL SUMMARY SHEET #2

LOCATION			FENCE		LANDSCAPING		REMARKS
			620.55	900.640	656.20	656.30	
BEGIN STATION	END STATION	POS.	REMOVAL OF EXISTING FENCE	SPECIAL PROVISION (WOOD POST AND CHAIN FENCE)	EVERGREEN TREES	DECIDUOUS TREES	
			LF	LF	EA	EA	
ADDISON:							
P 12+65.3		RT				1	INSTALL RED MAPLE AS SHOWN ON SHEET 73.
P 12+72.9		RT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 12+74.5		LT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+79.0		LT				1	INSTALL RED MAPLE AS SHOWN ON SHEET 73.
P 12+83.6		LT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+85.5		RT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 12+97.3		LT			1		INSTALL WHITE PINE AS SHOWN ON SHEET 73.
P 12+97.7		LT				1	INSTALL RED MAPLE AS SHOWN ON SHEET 73.
P 12+99.4		RT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 13+11.1		RT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 13+14.6		LT				1	INSTALL EASTERN REDBUD AS SHOWN ON SHEET 73.
P 13+17.3		RT				1	INSTALL RED OAK AS SHOWN ON SHEET 73.
P 13+34.6		LT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 13+36.2		RT				1	INSTALL RED OAK AS SHOWN ON SHEET 73.
P 13+46.0		LT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 13+56.9		LT				1	INSTALL RED OAK AS SHOWN ON SHEET 73.
P 13+59.1		LT				1	INSTALL WASHINGTON HAWTHORNE AS SHOWN ON SHEET 73.
P 13+64.2		RT				1	INSTALL EASTERN REDBUD AS SHOWN ON SHEET 73.
P 13+71.9		RT				1	INSTALL RED MAPLE AS SHOWN ON SHEET 73.
P 13+82.0		RT				1	INSTALL EASTERN REDBUD AS SHOWN ON SHEET 73.
P 13+87.7		RT				1	INSTALL EASTERN REDBUD AS SHOWN ON SHEET 73.
P 13+98.7		LT			1		INSTALL SPRUCE AS SHOWN ON SHEET 73.
P 14+01.4		RT			1		INSTALL SPRUCE AS SHOWN ON SHEET 73.
P 14+08.0		RT			1		INSTALL SPRUCE AS SHOWN ON SHEET 73.
P 14+14.1		LT			1		INSTALL SPRUCE AS SHOWN ON SHEET 73.
P 14+14.2		RT			1		INSTALL SPRUCE AS SHOWN ON SHEET 73.
P 14+15.3		LT				1	INSTALL RED MAPLE AS SHOWN ON SHEET 73.
P 14+21.2		LT			1		INSTALL SPRUCE AS SHOWN ON SHEET 73.
SUBTOTAL THIS SHEET:					9	19	
SUBTOTALS SHEET 10:			55.0	402.0	5	19	
ROUNDING:			5.0	18.0	-	-	
TOTALS:			60.0	420.0	14	38	

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_1ds_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: IDS-2

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 11 OF 100

FILE NAME = U:\2013A\CADD\MSTN\z12E008_1ds_02.dgn
DATE/TIME = 7/12/2012
USER = WGP

DRAINAGE SUMMARY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PRCD	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	GEO UNDER DRAIN	STONE FILL		MRKR POSTS		6" UNDER DRAIN	6" CARRIER PIPE	REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP	PCCSP PI	NO-DEG	EA			FT	CY	LBS	TYPE		CY	EARTH CY	ROCK CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	LF	LF	
							IN	IN	FT	IN	FT	TH	TH	CL	TH	SL	TH																										
AUXILIARY PARKING LOT ROAD																																										
PI0+35.0	PI0+12.4	LT/RT		ES/ES	X					I8	56					X			2									20.0					40					I	I			INSTALL END SECTION TO I8 INCH CPEP SL. OUTLET TO END SECTION. PIPE INVERT IN ELEVATION II7.80. PIPE INVERT OUT ELEVATION II7.50.
PI4+34.0	PI4+34.0	LT/RT		ES/ES	X					I8	38					X			2									5.0					30					I	I			INSTALL END SECTION TO I8 INCH CPEP SL. OUTLET TO END SECTION. PIPE INVERT IN ELEVATION I20.30. PIPE INVERT OUT ELEVATION II9.90.
FERRY ACCESS ROAD																																										
VFI8+08.0	VFI8+08.0	LT																																								REMOVE EXISTING DROP INLET AND I5" CPEP AND RETURN TO THE VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS
VFI9+29.0	VFI9+29.0	LT																																								REMOVE EXISTING DROP INLET AND I2" CPEP AND RETURN TO THE VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS
TOTALS																94			4									25.0					70					2	2			

FILE NAME = U:\2033R\CADD\MSTN\z12E008_1dds_01.dgn
DATE/TIME = 7/12/2012
USER = 4266

DRAINAGE SHEET

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_1dds_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: DDS-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 12 OF 100

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS SUMMARY

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
STATION	DIST FT.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
CHIMNEY POINT DRIVEWAY									
CP 10+00		0				0			
	50		18				0		
CP 10+50		20				0			
	50		27				1		
CP 11+00		9				1			
	50		32				1		
CP 11+50		25				0			
	50		42				0		
CP 12+00		20				0			
	50		30				0		
CP 12+50		13				0			
	50		29				0		
CP 13+00		18				0			
	50		19				1		
CP 13+50		3				1			
	50		7				4		
CP 14+00		5				3			
	50		7				4	CUT	353
CP 14+50		2				1		ROCK	0
	50		7				4	R.FAC	.495
CP 15+00		6				3		FILL	46
	50		8				4	F.FAC	1.15
CP 15+50		3				1		EX. C	300
	50		7				3		
CP 16+00		4				2			
	50		7				3		
CP 16+50		3				2			
	50		6				3		
CP 17+00		4				2			
	50		7				4		
CP 17+50		4				2			
	50		14				8		
CP 18+00		11				7			
	50		63				6		
CP 18+50		57				0			
	10		23				0		
CP 18+60		66				0			
FERRY ACCESS ROAD									
VF 17+59		484				0			
	41		779				0		
VF 18+00		543				0			
	50		780				0		
VF 18+50		300				0			
	50		665				0		
COLUMN FOOTING			2577				46		

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
STATION	DIST FT.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
VF 19+00		418				0			
	50		804				0	CUT	4486
VF 19+50		450				0		ROCK	0
	50		598				0	R.FAC	0
VF 20+00		196				0		FILL	0
	50		372				0	F.FAC	1.15
VF 20+50		206				0		EX. C	4486
	50		394				0		
VF 21+00		220				0			
	23		94				0		
VF 21+23		0				0			
AUX. PARKING LOT ROAD									
P 10+00		12				5			
	50		44				6		
P 10+50		35				2			
	50		62				1		
P 11+00		32				0			
	50		45				0		
P 11+50		17				0			
	50		51				0		
P 12+00		38				0			
	50		87				0	CUT	641
P 12+50		56				0		ROCK	0
	50		113				0	R.FAC	.495
P 13+00		67				0		FILL	69
	50		142				0	F.FAC	1.15
P 13+50		86				0		EX. C	562
	50		80				23		
P 14+00		0				25			
	50		5				36		
P 14+50		5				14			
	10		12				3		
P 14+60		61				0			
BOAT LAUNCH PARKING									
VB 3+98		19				0			
	2		1				0		
VB 4+00		19				1			
	50		40				1	CUT	109
VB 4+50		24				0		ROCK	0
	50		24				1	R.FAC	.495
VB 5+00		3				1		FILL	6
	50		18				3	F.FAC	1.15
VB 5+50		17				2		EX. C	102
	25		26				1		
VB 5+75		40				0			
COLUMN FOOTING			3012				75		

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
STATION	DIST FT.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
FLAGSTONE PATHWAY									
NF 10+00		10				0			
	50		14				0		
NF 10+50		5				0			
	50		5				0		
NF 11+00		0				0			
	50		7				0	CUT	47
NF 11+50		8				0		ROCK	0
	50		13				0	R.FAC	.495
NF 12+00		6				0		FILL	13
	50		6				11	F.FAC	1.15
NF 12+50		1				12		EX. C	32
	9		2				2		
NF 12+59		9				0			
POTTERY PATHWAY									
M 1+00		5				0			
	25		4				0		
M 1+25		4				0			
	25		2				0		
M 1+50		1				0			
	25		1				0	CUT	8
M 1+75		1				0		ROCK	0
	25		1				1	R.FAC	.495
M 2+00		1				2		FILL	5
	17		0				3	F.FAC	1.15
M 2+17		0				7		EX. C	2
	6		0				1		
M 2+23		1				3			
PIER PATHWAY									
L 1+00		0				0			
	50		1				0		
L 1+50		1				38			
	50		4				44		
L 2+00		4				10			
	50		4				16	CUT	12
L 2+50		1				7		ROCK	0
	50		1				12	R.FAC	.495
L 3+00		1				5		FILL	157
	50		1				45	F.FAC	1.15
L 3+50		1				43		EX. F	168
	50		1				40		
L 4+00		0				0			
COLUMN FOOTING			67				175		

EARTHWORKS SUMMARY SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ess_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: ESS-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 13 OF 100

FILE NAME = U:\2033B\CADD\MSTN\z12E008_ess_01.dgn
DATE/TIME = 7/12/2012
USER = 4866

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS SUMMARY

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK	ROCK EXCAV.	EMBANK.	EXCESSES		ACUMULATIVE EXCESSES	
		C.Y.	C.Y.	C.Y.	CUT	FILL	CUT	FILL
CP 10+00	CP 18+60	353	0	46	300		300	
VF 17+59	VF 21+23	4486	0	0	4486		4786	
P 10+00	P 14+60	641	0	69	562		5348	
VB 3+98	VB 5+75	109	0	6	102		5450	
NF 10+00	NF 12+59	47	0	13	32		5482	
M 1+00	M 2+23	8	0	5	2		5484	
L 1+00	L 4+00	12	0	157		168	5316	
DITCH		56	0	0	56		5372	

REMARKS	
EARTH AND ROCK EXCAVATION	5712
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	5712
PLANIMETERED FILL	296
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	296
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	340
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	5712
CHANNEL EXCAVATION	0
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	0
TOTAL MATERIAL AVAILABLE FOR FILL	5712
TOTAL FILL INCLUDING FACTOR	340
TOTAL MATERIAL FOR FILL	5712
BORROW	0
EXCESS EXCAVATION	5372

EARTHWORKS SUMMARY SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ess_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: ESS-2

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 14 OF 100

FILE NAME = U:\2013\CADD\MSTN\z12E008_ess_02.dgn
DATE/TIME = 7/12/2012
USER = 4686

LAKE CHAMPLAIN

BEGIN VT ROUTE 17 ALIGNMENT
ADDISON
STA 117+19.66

CHIMNEY POINT DRIVEWAY
STA CP 10+17.07=
BOAT LAUNCH RAMP
STA VB 5+14.67

END BOAT LAUNCH RAMP
STA VB 5+75.00

LAKE CHAMPLAIN BRIDGE

BEGIN CHIMNEY POINT DRIVEWAY ALIGNMENT
STA CP 7+50.00

BEGIN LOWER PARKING LOT PATHWAY
STA LP 1+00.00

2009 SURVEY N 22° 42'18" E

℄ 56 STA 79+90.21

BEGIN BOAT LAUNCH RAMP
STA VB 3+98.00

PIER PATHWAY
STA L 2+09.88=

END LOWER PARKING LOT PATH
STA LP 1+38.56

℄ 57 STA 59+23.04

CHIMNEY POINT DRIVEWAY
STA CP 12+91.66=
POTTERY PATHWAY
STA M 1+30.54

BEGIN POTTERY PATHWAY
STA M 1+00.00

END FLAGSTONE PATHWAY
STA NF 12+59.95

BEGIN FERRY ACCESS ROAD
STA VF 10+00.00

END PIER PATHWAY
STA L 4+60.00

CHIMNEY POINT DRIVEWAY
STA CP 15+16.87=
FLAGSTONE PATHWAY
STA NF 11+12.28

BEGIN FLAGSTONE PATHWAY
STA NF 10+00.00

CHIMNEY POINT DRIVEWAY
STA CP 10+82.48=
BEGIN PIER PATHWAY
STA L 1+00.00

END POTTERY PATHWAY
STA M 2+23.73

CHIMNEY POINT DRIVEWAY

2009 SURVEY N 45°05'58" E

FERRY ACCESS ROAD
(TO BE REMOVED)

CHIMNEY POINT DRIVEWAY
STA CP 17+78.88=
BEGIN AUXILIARY PARKING LOT ROAD
STA P 10+00.00

FERRY ACCESS ROAD
STA VF 20+54.07=
AUXILIARY PARKING LOT ROAD
STA P 12+11.55

AUXILIARY PARKING LOT ROAD

℄ 53 STA 89+44.06

VT ROUTE 125
STA V 12+43.14=
END AUXILIARY PARKING LOT ROAD
STA P 14+74.05

VT ROUTE 17
STA 132+90.88=
END CHIMNEY POINT DRIVEWAY ALIGNMENT
STA CP 18+73.81

BM 2 RR SPIKE
EL=122.28'

BEGIN STP 032-1(18)
ADDISON
VT ROUTE 17
STA 133+50.00

VT ROUTE 17
STA 135+02.22=
END FERRY ACCESS ROAD
STA VF 21+74.31

VT ROUTE 17
STA 136+37.11=
VT ROUTE 125
STA V 13+95.08

END STP 032-1(18)
ADDISON
VT ROUTE 125
STA 13+84.00

VT ROUTE 125

BM 1A RR SPIKE
EL=121.88'

BM 1 RR SPIKE
EL=123.03'

BEGIN STP 032-1(18)
ADDISON
VT ROUTE 125
STA V 11+50.00

BEGIN VT ROUTE 125 ALIGNMENT
STA V 6+62.11

END STP 032-1(18)
ADDISON
VT ROUTE 17
STA 141+75.00

END ALIGNMENT
STA 141+75.00

VT ROUTE 17

2009 SURVEY N 30°26'36" E

2009 SURVEY N 22°48'04" E

℄ 52 STA 96+26.42

N

0 100 200
SCALE IN FEET

GENERAL PLAN

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_gp_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: GP-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 15 OF 100

FILE NAME = U:\2033R\CADD\MSTN\z12E008_gp_01.dgn
DATE/TIME = 7/12/2012
USER = 4866

HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES		HCL STATION	DESCRIPTION
	NORTH	EAST		
VERMONT ROUTE 17				
BEGIN VERMONT ROUTE 17	1896255.051	775309.366	117+19.66	BEGIN VERMONT ROUTE 17 STA. 117+19.66
P.C. CURVE 3	1897322.177	775897.908	129+38.32	
P.I. CURVE 3	1897451.711	775969.349	P.I. STA. 130+86.25 BK. = P.I. STA. 130+59.38 AHD.	
P.T. CURVE 3	1897456.478	776117.200	132+07.31	
EQ.	1897459.171	776200.732	132+90.88	EQUALITY CHIMNEY POINT DRIVEWAY
P.C. CURVE 4	1897463.175	776324.913	134+15.13	
P.I. CURVE 4	1897465.221	776388.376	P.I. STA. 134+78.63 BK. = P.I. STA. 134+78.15 AHD.	
EQ.	1897472.275	776411.446	135+02.22	EQUALITY FERRY ACCESS ROAD
P.C.C. CURVE 4	1897480.505	776450.005	135+41.65	
EQ.	1897514.536	776538.939	136+37.11	EQUALITY VERMONT ROUTE 125
P.I. CURVE 5	1897527.175	776638.189	P.I. STA. 137+35.54 BK. = P.I. STA. 137+07.62 AHD.	
P.T. CURVE 5	1897705.377	776714.580	139+01.51	
END VERMONT ROUTE 17	1897956.745	776822.336	141+75.00	END VERMONT ROUTE 17 STA. 141+75.00
VERMONT ROUTE 125				
BEGIN VERMONT ROUTE 125	1897147.449	777157.221	V 6+62.11	BEGIN VT ROUTE 125
P.C. CURVE V1	1897148.166	777155.155	V 6+64.30	
P.I. CURVE V1	1897165.717	777104.600	P.I. STA. V 7+17.81 BK. = P.I. STA. V 7+17.66 AHD.	
P.T. CURVE V1	1897189.845	777056.833	V 7+71.17	
P.I.	1897284.081	776870.268	V 9+80.18	
P.C. CURVE V2	1897392.572	776646.847	V 12+28.55	
EQ.	1897399.414	776633.972	V 12+43.14	EQUALITY AUXILIARY PARKING LOT ROAD
P.I. CURVE V2	1897421.510	776587.252	P.I. STA V 12+94.80 BK.= P.I. STA V 12+90.25 AHD.	
P.T. CURVE V2	1897480.303	776556.718	V 13+56.50	
END VERMONT ROUTE 125 / E.Q.	1897514.538	776538.938	V 13+95.08	END VERMONT ROUTE 125 STA V 13+95.08 / EQUALITY ROUTE 17
FERRY ACCESS ROAD				
BEGIN FERRY ACCESS ROAD	1896307.307	776263.641	VF 10+00.00	BEGIN FERRY ACCESS ROAD STA VF 10+00.00 / EQ. VERMONT ROUTE 17
EQ.	1897352.997	776396.312	VF 20+54.07	EQUALITY AUXILIARY PARKING LOT ROAD
END FERRY ACCESS ROAD	1897472.277	776411.446	VF 21+74.31	END FERRY ACCESS ROAD STA VF 21+74.31
CHIMNEY POINT DRIVEWAY				
BEGIN CHIMNEY POINT DRIVEWAY	1896598.986	775577.977	CP 7+50.00	BEGIN CHIMNEY POINT DRIVEWAY
EQ.	1896834.590	775703.738	CP 10+17.07	EQUALITY BOAT LAUNCH RAMP
P.C. CURVE CP1	1896887.536	775731.993	CP 10+77.08	
EQ.	1896892.363	775734.411	STA CP 10+82.48	EQUALITY PIER PATHWAY
P.I. CURVE CP1	1896899.451	775738.359	P.I. STA CP 10+90.59 BK.= P.I. STA CP 10+90.42 AHD.	
P.T. CURVE CP1	1896912.625	775741.330	CP 11+03.93	
P.C. CURVE CP2	1896945.422	775748.727	CP 11+37.5534	
P.I. CURVE CP2	1896973.113	775754.972	P.I. STA CP 11+65.94 BK. = P.I. STA CP 11+65.28 AHD.	
P.T. CURVE CP2	1896996.607	775770.903	CP 11+93.66	
EQ.	1897077.716	775825.902	CP 12+91.66	EQUALITY POTTERY PATHWAY
P.C. CURVE CP3	1897116.967	775852.518	CP 13+39.08	
P.I. CURVE CP3	1897122.206	775856.071	P.I. STA CP 13+45.41 BK. = P.I. STA CP 13+45.40 AHD.	
P.T. CURVE CP3	1897127.852	775858.934	CP 13+51.73	
P.C. CURVE CP4	1897224.196	775907.806	CP 14+59.76	
P.I. CURVE CP4	1897256.777	775924.333	P.I. STA CP 14+96.29 BK. = P.I. STA CP 14+91.77 AHD.	
EQ.	1897356.634	775950.757	CP 15+16.87	EQUALITY FLAGSTONE PATHWAY
P.T. CURVE CP4	1897265.624	775959.779	CP 15+28.30	
P.C. CURVE CP5	1897265.624	775959.779	CP 15+28.30	
P.I. CURVE CP5	1897291.060	776061.691	P.I. STA CP 16+33.34 BK. = P.I. STA CP 16+32.28 AHD.	
P.T. CURVE CP5	1897340.540	776154.345	CP 17+37.32	
P.C. CURVE CP6	1897340.540	776154.346	CP 17+37.32	
EQ.	1897367.748	776185.279	CP 17+78.88	EQUALITY AUXILIARY PARKING LOT ROAD
P.I. CURVE CP6	1897366.900	776203.707	P.I. STA CP 17+93.27 BK. = P.I. STA CP 17+81.48 AHD.	
P.T. CURVE CP6	1897422.829	776201.903	CP 18+37.44	
END CHIMNEY POINT DRIVEWAY / EQ.	1897459.171	77620.732	CP 18+73.81	END CHIMNEY POINT DRIVEWAY STA CP 18+73.81 / EQUALITY VERMONT 17
BOAT LAUNCH RAMP				
BEGIN BOAT LAUNCH RAMP	1896828.008	775820.226	VB 3+98.00	BEGIN BOAT LAUNCH RAMP STA VB 3+98.00
EQ.	1896834.590	775703.738	VB 5+14.67	EQUALITY CHIMNEY POINT DRIVEWAY
END BOAT LAUNCH RAMP	1896837.997	775643.508	VB 5+75.00	END BOAT LAUNCH RAMP STA VB 5+75.00

HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES		HCL STATION	DESCRIPTION
	NORTH	EAST		
AUXILIARY PARKING LOT ROAD				
BEGIN AUXILIARY PARKING LOT ROAD / EQ.	1897367.748	776185.279	P 10+00.00	BEGIN AUXILIARY PARKING LOT ACCESS ROAD STA 10+00.00 / EQUALITY CHIMNEY POINT DRIVEWAY
EQ.	1897352.997	776396.312	P 12+11.55	EQUALITY FERRY ACCESS ROAD
P.C. CURVE P1	1897342.317	776549.096	P 13+64.71	
P.I. CURVE P1	1897382.028	776623.902	P.I. STA P 14+14.62 BK. = P.I. STA P 14+04.04 AHD.	
P.T. CURVE P1	1897382.028	776623.902	P 14+53.95	
END AUXILIARY PARKING LOT ROAD / EQ.	1897399.414	776633.972	P 14+74.05	END AUXILIARY PARKING LOT ROAD / EQUALITY VERMONT ROUTE 125
FLAGSTONE PATHWAY				
BEGIN FLAGSTONE PATHWAY	1897356.634	775950.757	NF 10+00.00	BEGIN FLAGSTONE PATHWAY STA NF 10+00.00
P.C. CURVE NF1	1897337.945	775973.612	NF 10+29.52	
P.I. CURVE NF1	1897333.178	775979.440	P.I. STA NF 10+37.05 BK. = P.I. STA NF 10+49.96 AHD.	
P.T. CURVE NF1	1897326.259	775976.471	NF 10+42.43	
EQ.	1897262.073	775948.922	NF 11+12.28	EQUALITY CHIMNEY POINT DRIVEWAY
P.I.	1897223.211	775932.240	NF 11+54.57	
P.I.	1897165.192	775902.038	NF 12+19.98	
END FLAGSTONE PATHWAY	1897131.362	775880.743	NF 12+59.95	END FLAGSTONE PATHWAY STA NF 12+59.95
POTTERY PATHWAY				
BEGIN POTTERY PATHWAY	1897065.805	775853.883	M 1+00.00	BEGIN POTTERY PATHWAY STA M 1+00.00
P.I.	1897070.656	775838.882	M 1+15.77	
EQ.	1897077.716	775825.902	M 1+30.54	EQUALITY CHIMNEY POINT DRIVEWAY
P.C. CURVE M1	1897083.947	775814.453	M 1+43.58	
P.I. CURVE M1	1897088.282	775806.487	P.I. STA M 1+52.65 BK. = P.I. STA M 1+49.24 AHD.	
P.T. CURVE M1	1897080.776	775801.397	M 1+58.31	
P.C. CURVE M2	1897066.961	775792.030	M 1+75.00	
P.I. CURVE M2	1897042.756	775775.616	P.I. STA M 2+04.25 BK. = P.I. STA M 1+94.48 AHD.	
P.T. CURVE M2	1897054.607	775748.879	M 2+23.73	
END POTTERY PATHWAY	1897054.607	775748.879	M 2+23.73	END POTTERY PATHWAY STA M 2+23.73
LOWER PARKING PATHWAY				
BEGIN LOWER PARKING PATHWAY	1896823.015	775819.944	LP 1+00.00	BEGIN LOWER PARKING PATHWAY STA LP 1+00.00
P.C. CURVE LP1	1896822.943	775821.228	LP 1+01.29	
P.I. CURVE LP1	1896822.426	775830.365	P.I. STA LP 1+10.44 BK. = P.I. STA LP 1+6.96 AHD.	
P.T. CURVE LP1	1896831.482	775831.687	LP 1+16.11	
END LOWER PARKING PATHWAY / EQ.	1896853.700	775834.932	LP 1+38.56	END LOWER PARKING PATHWAY STA LP 1+38.56 / EQUALITY PIER PATHWAY
PIER PATHWAY				
BEGIN PIER PATHWAY / EQ.	1896892.363	775734.411	L 1+00.00	BEGIN PIER PATHWAY STA L 1+00.00 / EQUALITY CHIMNEY POINT DRIVEWAY
P.C. CURVE L1	1896881.124	775747.008	L 1+16.88	
P.I. CURVE L1	1896878.154	775750.337	P.I. STA L 1+24.34 BK. = P.I. STA L 1+24.20 AHD.	
P.T. CURVE L1	1896876.881	775754.612	L 1+25.66	
P.C. CURVE L2	1896857.053	775821.165	L 1+95.10	
EQ.	1896853.700	775834.932	L 2+09.28	EQUALITY LOWER PARKING PATH
P.I. CURVE L2	1896845.788	775858.977	P.I. STA L 2+34.55 BK. = P.I. STA L 2+32.57 AHD.	
P.C.C. CURVE L2/L3	1896855.925	775897.107	L 2+72.02	
P.I. CURVE L3	1896859.483	775910.492	P.I. STA L 2+85.87 BK. = P.I. STA L 2+84.12 AHD.	
P.R.C. CURVE L3/L4	1896871.979	775916.466	L 2+97.97	
P.I. CURVE L4	1896897.081	775928.466	P.I. STA L 3+25.79 BK. = P.I. STA L 3+24.42 AHD.	
P.R.C. CURVE L4/L5	1896912.378	775951.708	L 3+52.24	
P.I. CURVE L5	1896919.726	775962.873	P.I. STA L 3+65.61 BK. = P.I. STA L 3+64.99 AHD.	
P.T. CURVE L5	1896931.665	775968.882	L 3+78.36	
P.C. CURVE L6	1896954.600	775980.425	L 4+04.04	
P.I. CURVE L6	1896959.190	775982.735	P.I. STA L 4+09.18 BK. = P.I. STA L 4+09.14 AHD.	
P.T. CURVE L6	1896964.153	775984.063	L 4+14.28	
END PIER PATHWAY	1897008.319	775995.883	L 4+60.00	END PIER PATHWAY STA L 4+60.00

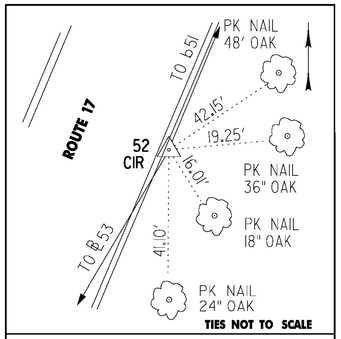
HORIZONTAL CONTROL TABLE

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zl2E008_hvc_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: HVC-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 16 OF 100

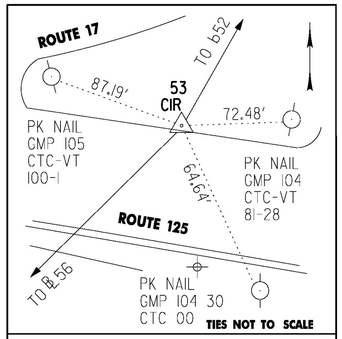
FILE NAME = U:\2033\CADD\MSTN\zl2E008_hvc_01.dgn
DATE/TIME = 7/12/2012
USER = 4066



℄ 52 STA. 96+26.42

CAPPED IRON ROD SET APPROX. 830.0' +/- NORTH OF THE INTERSECTION OF ROUTE 125 AND APPROX. 1.0' +/- EAST OF EDGE OF PAVEMENT ROUTE 17.

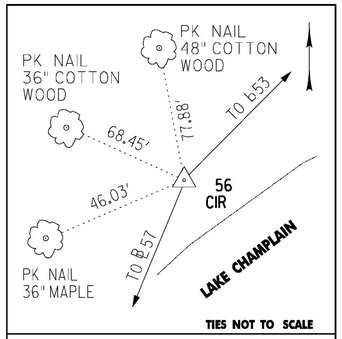
NYSPCS EAST ZONE NAD 83/96
N: 1898018.778
E: 776861.491
EL.= 121.12'



℄ 53 STA. 89+44.06

CAPPED IRON ROD SET APPROX. 220.0' +/- EAST OF THE INTERSECTION OF ROUTE 17 AND APPROX. 1.0' +/- NORTH OF EDGE OF PAVEMENT ROUTE 125.

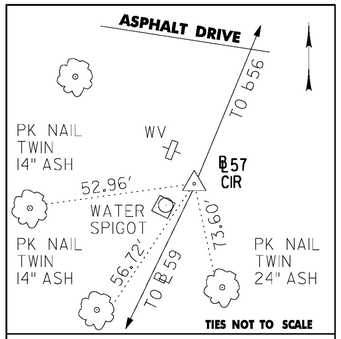
NYSPCS EAST ZONE NAD 83/96
N: 1897429.996
E: 776516.606
EL.= 124.38'



℄ 56 STA. 79+90.21

CAPPED IRON ROD SET APPROX. 200.0' +/- EAST OF THE NORTH END OF THE EXISTING BRIDGE AND APPROX. 10.0' +/- FROM EDGE OF LAKE CHAMPLAIN.

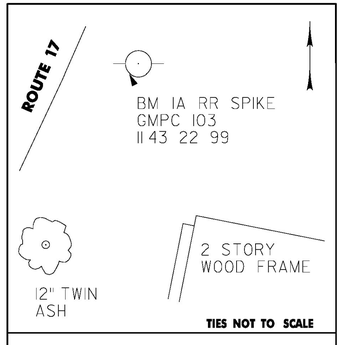
NYSPCS EAST ZONE NAD 83/96
N: 1896756.696
E: 775840.967
EL.= 96.85'



℄ 57 STA. 59+23.04

CAPPED IRON SET APPROX. 102.0' +/- SOUTH OF LAKE CHAMPLAIN AND APPROX. 209.0' +/- NORTH OF THE PARK GUARD BOOTH.

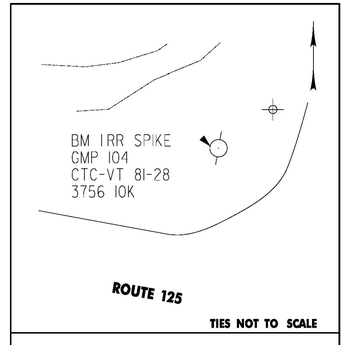
NYSPCS EAST ZONE NAD 83/96
N: 1894849.721
E: 775043.066
EL.= 122.16'



BENCHMARK 1A

RAILROAD SPIKE SET IN POLE GMPC 103 11 43 22 99 APPROX. 470.0' +/- NORTHEAST OF THE INTERSECTION OF ROUTE 125 AND APPROX. 10.0' +/- EAST OF EDGE OF PAVEMENT ROUTE 17.

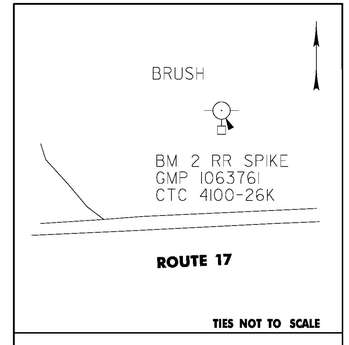
NAVD 88
EL.= 121.88'



BENCHMARK 1

RAILROAD SPIKE SET IN POLE GMP 104 CTC-VT 81-28 3756-10K APPROX. 287.0' +/- EAST OF THE INTERSECTION OF ROUTE 17 AND APPROX. 1.0' +/- NORTH OF EDGE OF PAVEMENT ROUTE 125.

NAVD 88
EL.= 123.03'



BENCHMARK 2

RAILROAD SPIKE SET IN POLE GMP 1063761 CTC 4100-26K APPROX. 147.0' +/- WEST OF THE INTERSECTION OF ROUTE 125 AND APPROX. 15.0' +/- NORTH OF EDGE OF PAVEMENT ROUTE 17.

NAVD 88
EL.= 122.28'

PROJECT SURVEY CONTROL

BASE MAPPING OF THE PROJECT SITE IS FROM PHOTOGRAMMETRY PERFORMED DURING SPRING 2007 WITH MAPPING COMPLETED DURING SUMMER 2007. MAP UNITS: USC (METERS)

THE PROJECT SURVEY HORIZONTAL CONTROL WAS ESTABLISHED BY THE USE OF THE GLOBAL POSITIONING SYSTEM (GPS)

THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT NAD 83/96

THE COORDINATE SYSTEM IS THE NEW YORK STATE PLANE COORDINATE SYSTEM, EASTERN ZONE, 3101

STATE PLANE COORDINATE SYSTEM SURVEY BASELINE DISTANCES ARE REDUCED TO THE ELLIPSOID BY AN AVERAGE COMBINED ELEVATION-GRID FACTOR OF 0.99998994939

THE PUBLISHED HORIZONTAL COORDINATES FOR THE NATIONAL GEODETIC SURVEY (GPS) MONUMENTS USED TO ESTABLISH CONTROL ARE:

PID	STATION NAME	NORTHING	EASTING
PG 1601	ADDISON	583,375.656	240,052.589
AA7924	LEWIS	606,101.332	227,176.431
AA7932	NORTH HUDSON	568,506.662	211,073.876
ODI793	TICONDEROGA	556,905.758	239,329.592

THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88. (GEOID03)

THE VERTICAL ELEVATIONS WERE ESTABLISHED BY THE USE OF THE GLOBAL POSITIONING SYSTEM (GPS)

THE PUBLISHED ELEVATION FOR THE NATIONAL GEODETIC SURVEY MONUMENT WAS USED TO ESTABLISH CONTROL IS:

PID	STATION NAME	ELEVATION	VERTICAL ORDER
PG 1606	B473	41.883 m	FIRST CLASS II

BASELINE TIE SHEET

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_bit_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: BLT-1
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 17 OF 100

FILE NAME = u:\2012\dgn\CADD\MSTN\z12E008_bit_01.dgn
DATE/TIME = 7/12/2012
USER = 4066

N

E 775510
N 1896750

E 775650
N 1896990

BOAT LAUNCH
(SEE PLANS, SHEET 97 TO SHEET 100)

END PAVEMENT
@ ELEV 100.0

BEGIN BOAT LAUNCH RAMP
STA VB 5+75.00

WORK COMPLETED
UNDER NYSDOT
CONTRACT D261458

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PC
STA M 1+75.00
MATCH LINE STA 126+75, DWG P-2

STONE SPLASH PADS AND
SWALE FOR AERIAL SCUPPERS

VT ROUTE 17

PIER

122+00 123+00 124+00 125+00 126+00

N 28° 52' 40"

28'-0"

END POTTERY PATHWAY
PT STA M 2+23.73

CURVE M2
R=35.00

POTTERY PATHWAY

6' X 6' DOCK ANCHOR

BITUMINOUS CONCRETE PAVEMENT
PATH TO DOCK (6' WIDE)

R=50'

CHIMNEY POINT DRIVEWAY
STA CP 10+82.48=

BEGIN PIER PATHWAY
STA L 1+00.00

5'-0"

CHIMNEY POINT
DRIVEWAY

12'-0"

CURVE CP2
R=150.00

10'-0"

CP 12+00

10'-0"

12'-0"

N 34° 08' 27" E

CHAIN AND POST FENCE

STA CP 12+75

CP 8+00 CP 9+00 CP 10+00 CP 11+00

N 28° 05' 33" E

N 12° 42' 32" E

R=10'

GRAVEL DRIVE

CURVE CP1
R=100.00

CURVE L1
R=20.00

PC
STA L 1+16.88

VB 5+00

14'-0"

PT
STA L 1+25.66

45'-0"

N 86° 15' 52" W

STA CP 10+77.08

S 73° 24' 36" E

STA CP 11+03.93
PT

ROCK LEDGE

STA CP 11+37.55
PC BEGIN TAPER

STA CP 11+50.00
END TAPER

STA CP 11+75.00

STA CP 11+93.66
PT

STA CP 12+25.00
BEGIN WIDENING

STA CP 12+50.00
END WIDENING

BEGIN CHIMNEY POINT
DRIVEWAY
STA CP9+93.09

CHIMNEY POINT DRIVEWAY
STA CP 10+17.07=

BOAT LAUNCH RAMP
STA VB 5+14.67

BOAT LAUNCH PARKING LOT PLAN
(SEE DETAIL, SHEET 64)

STONE WALL

2 STY
W/F
HOUSE

E 775860
N 1896950

CONCRETE BLOCK RETAINING WALL
STA CP 11+40 - 12+45

EDGE OF WATER AT
TIME OF MAPPING,
ELEV = 99.6

LAKE CHAMPLAIN

GRAVEL
PARKING
AREA

R=5'-0"

PC
STA L 1+95.10

PIER PATHWAY
STA L 2+09.88=

END LOWER PARKING LOT PATHWAY
STA LP 1+38.56

COMMEMORATION
PIER DISPLAY
(SEE DETAIL,
SHEET 69)

CURVE L2
R=140.00

CURVE LP1
R=10.00

R=5'-0"

PRC
STA L 2+97.97

PT
STA L 3+78.36

PC
STA L 4+04.04

PT
STA L 4+14.28

STATE OF VERMONT
AGENCY OF COMMERCE &
COMMUNITY DEVELOPMENT
DEPT. OF HISTORIC
PRESENTATION

ROCK LEDGE

BEGIN LOWER PARKING
LOT PATHWAY
STA LP 1+00.00

PC
STA LP 1+01.29

STA LP 1+16.11
PT

PIER PATH WAY

N 26° 42' 59" E

N 14° 58' 58" E

CURVE L5
R=50.00

CURVE L4
R=100.00

L 3+00

5'-0"

CURVE L3
R=30.00

L 4+00

BEGIN BOAT LAUNCH RAMP
STA VB 3+98.00

HYDRANT

E 775860
N 1896740

PCC
STA L 2+72.02

PRC
STA L 3+52.24

CURVE L6
R=50.00

END PIER PATHWAY
STA L 3+80.00

AMPHITHEATER
(SEE DETAIL, SHEET 68)

900.640 SPECIAL PROVISION (WOOD POST AND CHAIN FENCE)
ADDISON:
STA LP 1+02.0 - STA VB 4+92.0 RT (114.0 LF)
STA CP 10+31.0 - STA CP 12+48.0 LT (222.0 LF)
STA CP 12+53.0 - STA CP 12+75.0 LT (22.0 LF)

900.620 SPECIAL PROVISION (AMPHITHEATER)
ADDISON:
STA L 3+96.2, 5.3' RT (1 EA)

900.620 SPECIAL PROVISION (COMMEMORATION PIER)
ADDISON:
STA L 1+21.3, 3.1' RT (1 EA)

NOTE:

1. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY VERMONT AT 1-888-344-7233 TO HAVE UNDERGROUND UTILITIES LOCATED.

CURVE L1	CURVE L2	CURVE L3	CURVE L4	CURVE L5
Δ = 25°08'52"	Δ = 31°28'40"	Δ = 49°33'40"	Δ = 31°05'50"	Δ = 29°55'56"
D = 286°28'44"	D = 40°55'32"	D = 190°59'09"	D = 5717'45"	D = 114°35'30"
R = 20.00'	R = 140.00'	R = 30.00'	R = 100.00'	R = 50.00'
T = 4.46'	T = 39.45'	T = 13.85'	T = 27.82'	T = 13.37'
L = 8.78'	L = 76.91'	L = 25.95'	L = 54.28'	L = 26.12'
E = 0.49'	E = 5.45'	E = 3.04'	E = 3.80'	E = 1.76'

CURVE CP1	CURVE CP2	CURVE LP1	CURVE M2	CURVE L6
Δ = 15°23'00"	Δ = 21°25'55"	Δ = 84°24'35"	Δ = 79°45'52"	Δ = 11°44'01"
D = 5717'45"	D = 3811'50"	D = 572°57'28"	D = 163°42'08"	D = 114°35'30"
R = 100.00'	R = 150.00'	R = 10.00'	R = 35.00'	R = 50.00'
T = 13.51'	T = 28.39'	T = 9.07'	T = 29.25'	T = 5.14'
L = 26.85'	L = 56.11'	L = 14.73'	L = 48.73'	L = 10.24'
E = 0.91'	E = 2.66'	E = 3.50'	E = 10.61'	E = 0.26'

GRAVEL SURFACE
(SEE SHEET 64)

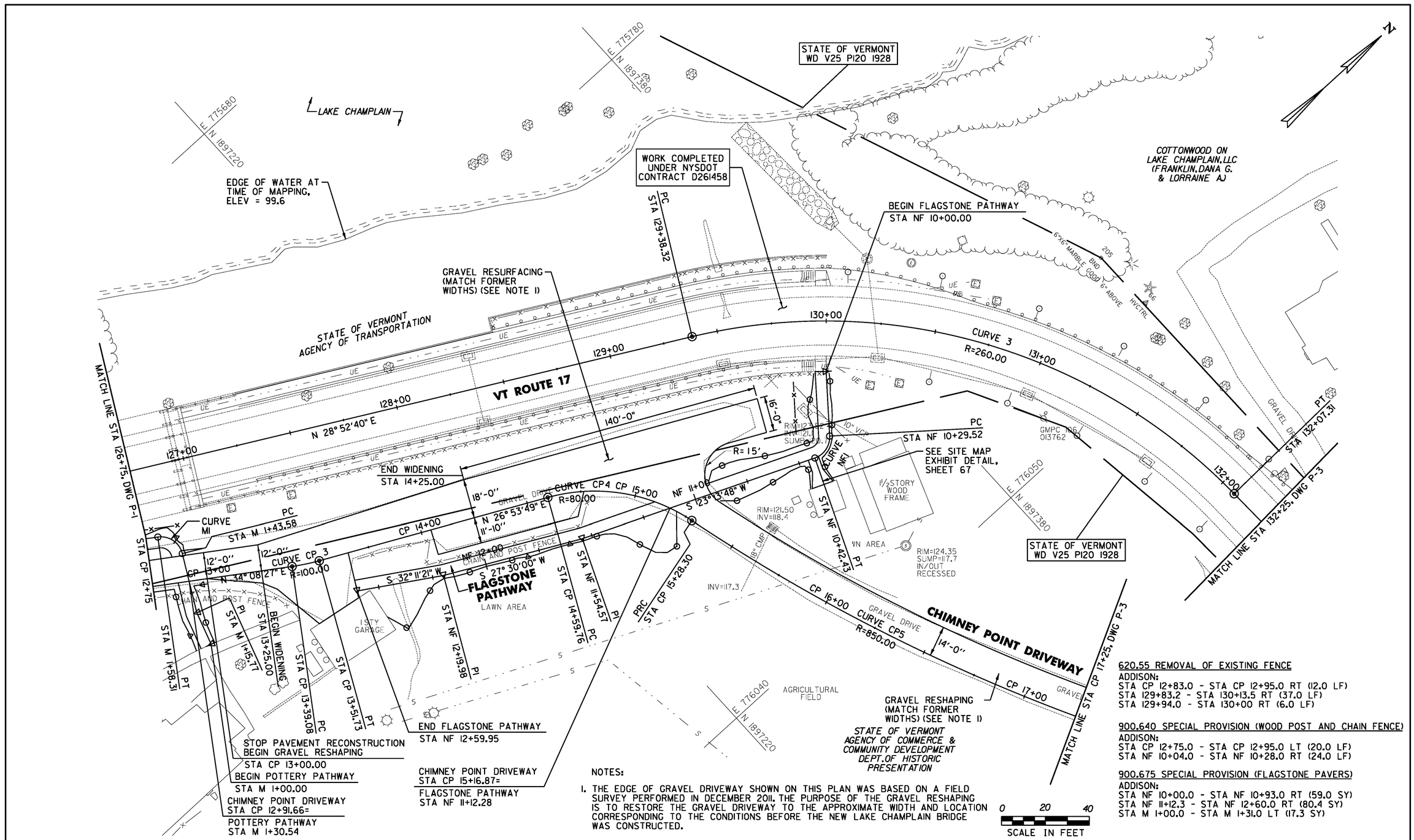
0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_L_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: P-1
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 18 OF 100

FILE NAME = U:\2013\CADD\MSTN\z12E008_L_01.dgn
DATE/TIME = 7/12/2012
USER = wgp



NOTES:

1. THE EDGE OF GRAVEL DRIVEWAY SHOWN ON THIS PLAN WAS BASED ON A FIELD SURVEY PERFORMED IN DECEMBER 2011. THE PURPOSE OF THE GRAVEL RESHAPING IS TO RESTORE THE GRAVEL DRIVEWAY TO THE APPROXIMATE WIDTH AND LOCATION CORRESPONDING TO THE CONDITIONS BEFORE THE NEW LAKE CHAMPLAIN BRIDGE WAS CONSTRUCTED.
2. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY VERMONT AT 1-888-344-7233 TO HAVE UNDERGROUND UTILITIES LOCATED.

CURVE CP3	CURVE CP4	CURVE CP5	CURVE NF1	CURVE 3	CURVE M1
△ = 07°14'38"	△ = 49°05'20"	△ = 14°05'21"	△ = 73°57'18"	△ = 59°16'32"	△ = 84°24'35"
D = 57°17'45"	D = 71°37'11"	D = 06°44'26"	D = 572°57'28"	D = 22°02'13"	D = 572°57'28"
R = 100.00'	R = 80.00'	R = 850.00'	R = 10.00'	R = 260.00'	R = 10.00'
T = 6.33'	T = 36.53'	T = 105.04'	T = 7.53'	T = 147.93'	T = 9.07'
L = 12.64'	L = 68.54'	L = 209.02'	L = 12.91'	L = 268.98'	L = 14.73'
E = 0.20'	E = 7.95'	E = 6.47'	E = 2.52'	E = 39.14'	E = 3.50'

620.55 REMOVAL OF EXISTING FENCE
ADDISON:
STA CP 12+83.0 - STA CP 12+95.0 RT (12.0 LF)
STA 129+83.2 - STA 130+13.5 RT (37.0 LF)
STA 129+94.0 - STA 130+00 RT (6.0 LF)

900.640 SPECIAL PROVISION (WOOD POST AND CHAIN FENCE)
ADDISON:
STA CP 12+75.0 - STA CP 12+95.0 LT (20.0 LF)
STA NF 10+04.0 - STA NF 10+28.0 RT (24.0 LF)

900.675 SPECIAL PROVISION (FLAGSTONE PAVERS)
ADDISON:
STA NF 10+00.0 - STA NF 10+93.0 RT (59.0 SY)
STA NF 11+12.3 - STA NF 12+60.0 RT (80.4 SY)
STA M 1+00.0 - STA M 1+31.0 LT (17.3 SY)

PROJECT LAYOUT SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_L_02.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: P-2	SHEET 19 OF 100

FILE NAME = U:\2012\VCAD\VMSTN\z12E008_L_02.dgn
DATE/TIME = 7/12/2012
USER = 4066

900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
ADDISON:
STA 136+50.0, LT (76.1 SY)

601.7015 18" CPEPES
ADDISON:
STA P 14+34.0, 19.4' LT (1 EA)
STA P 14+34.0, 29.1' RT (1 EA)
STA P 10+12.4, 43.2' RT (1 EA)
STA P 10+35.0, 14.5' LT (1 EA)

601.2615 18" CPEP(SL)
ADDISON:
STA P 14+34.0, 19.4' LT - STA P 14+34.0, 29.1' RT (38.0 LF)
STA P 10+35.0, 14.5' RT - STA P 10+12.4, 43.2' RT (56.0 LF)

900.620 SPECIAL PROVISION (REMOVE AND TRANSPORT BUILDING)
ADDISON:
STA NF 20+95, 6.0' LT (1 EA)

601.995 CLEANING CULV. PIPE, IN-PLACE [0 TO 24 IN., INCL.]
ADDISON:
STA 136+16.0 - STA 136+86.0 LT (64.0 LF)
STA CP 17+60.0 LT/RT (30.0 LF)
STA V 12+43.0 - STA V 12+93.0 (51.0 LF)
STA V 13+32.0 LT/RT (54.0 LF)

617.10 RELOCATE MAILBOX, SINGLE SUPPORT
ADDISON:
STA 133+25.0, RT (1 EA)

VT ROUTE 17
STA 132+90.88 =
END CHIMNEY POINT DRIVEWAY
STA CP 18+73.81

VT ROUTE 17
STA 136+37.11 =
VT ROUTE 125
STA V 13+95.08

VT ROUTE 17
STA 135+02.22 =
END FERRY ACCESS ROAD
STA VF 21+74.31

END STP 032-1(18)
ADDISON
VT ROUTE 125
MM 0.262 = STA V 13+84.00

BEGIN STP 032-1(18)
ADDISON
VT ROUTE 17
MM 0.309 = STA 133+50.00

E 776270 N 1897580
E 776430 N 1897570
E 776300 N 1897300
E 776580 N 1897300

COTTONWOOD ON LAKE CHAMPLAIN, LLC (FRANKLIN, DANA G. & LORRAINE A.)
COTTONWOOD ON LAKE CHAMPLAIN, LLC (FRANKLIN, DANA G. & LORRAINE A.)
CLOUTIER, LISA A.
STATE OF VERMONT AGENCY OF NATURAL RESOURCES DEPT. OF FORESTS, PARKS & RECREATION

2"-8" HARDWOODS
BRUSH
GMP 1063761 CTC 4100 26K
GMPC 105 174935
GMPC 104 104
GMPC 104 101
GMP 104 30
GMP 104 005
12" CHERRY
ASH CLUMP
AGRICULTURAL FIELD
AGRICULTURAL FIELD
WOOD

MATCH LINE STA 132+25. DWG P-2
MATCH LINE STA 137+50. DWG P-4
MATCH LINE STA CP 17+25. DWG P-2
MATCH LINE STA VF 20+00. DWG P-5

RECONFIGURE PAVEMENT FOR SNOW PLOW TURN AREA (SEE DETAIL, SHEET 65)

PC STA 134+15.13
PCC STA 135+41.65
PT STA CP 18+37.44
PT STA V 13+56.50
PT STA P 14+53.95

VT ROUTE 17
N 88° 09'12" E
N 21° 26'42" W
N 64° 05'58" W
VT ROUTE 125

CURVE 4 R=600.00
CURVE 5 R=390.00
CURVE PI R=80.00
CURVE V2 R=200.00

133+00
134+00
135+00
136+00
P 11+00
P 12+00
P 13+00
P 14+00
V 12+00
V 13+00

CHIMNEY POINT DRIVEWAY
STA. VB 18+25.00
NEW 18" x 56' CPEP(SL) W/ END SECTIONS AT INLET AND OUTLET
STA P 10+35.0, 14.5' LT
STA P 10+12.4, 43.2' RT
RESTROOM FACILITIES TO BE REMOVED BY OTHERS
REMOVE FERRY ACCESS ROAD (SEE DETAIL, SHEET 61)
REMOVE TEMPORARY CONCRETE BARRIER (SEE NOTE 1)
OVERHEAD UTILITIES TO BE REMOVED BY OTHERS (TYP)
AUXILIARY PARKING LOT (SEE DETAIL, SHEET 63)
PROPOSED GRASS DITCH
REMOVE FERRY TICKET BOOTH (SEE NOTE 2)
NEW 18"x38' CPEP (SL) W/ END SECTIONS AT INLET AND OUTLET
STA P 14+34.0, 19.4' LT -
STA P 14+34.0, 29.1' RT
CLEAN EXISTING CULVERT PIPE
CLEAN EXISTING CULVERT PIPE
CLEAN EXISTING CULVERT PIPE
END GRAVEL RESHAPING
RESUME PAVEMENT RECONSTRUCTION
GRAVEL RESHAPING (MATCH FORMER WIDTHS (SEE NOTE 3)
CHIMNEY POINT DRIVEWAY
STA CP 17+78.88 =
BEGIN AUXILIARY PARKING LOT ROAD
STA P 10+00.00
FERRY ACCESS ROAD
STA VF 20+54.07=
AUXILIARY PARKING LOT ROAD
STA P 12+11.55
BEGIN STP 032-1(18)
ADDISON
VT ROUTE 125
MM 0.218 = STA V 11+50.00
VT ROUTE 125
STA V 12+43.14 =
END AUXILIARY PARKING LOT ROAD
STA P 14+74.05
STA V 12+60.00 BEGIN LT & RT SHOULDER TAPER BEGIN LT & RT LANE TAPER
STA V 11+50.00 END LT & RT SHOULDER TAPER END LT & RT LANE TAPER
GRADE TO DRAIN
GRADE TO DRAIN
INV=120.45
INV=118.9
INV=118.8
INV=115.1
INV=120.30
CHIMNEY POINT DRIVEWAY
AUXILIARY PARKING LOT ROAD
FERRY ACCESS ROAD
CURVE CP6 R=90.00
CURVE CP5 R=50.00
R=45.0'
R=35.0' (TYP)
R=25'
R=50'
R=25.0'
R=50.0'
R=67.5'
R=30'
R=30'
22'-0"
14'-0"
12'-0"
2'-0"
11'-0"
3'-0"
1'-0"
10'-0"
+23
VF 21+00
PC
PCC
PT
PT
PT
PC
CURVE CP6
CURVE CP5
CURVE PI
CURVE V2
12" CPEP
18" CPEP
15" CMP
HVCTR
DRIVE
W
E
S
SS
OHW
OHU
UTL
SGL
SGR
SGC
SGU
SGW
SGE
SGS
SGN
SGV
SGT
SGP
SGM
SGA
SGB
SGD
SGF
SGG
SGH
SGJ
SGK
SGQ
SGR
SGX
SGY
SGZ
SGAA
SGBB
SGCC
SGDD
SGEE
SGFF
SGGG
SGHH
SGII
SGJJ
SGKK
SGLL
SGMM
SGNN
SGOO
SGPP
SGQQ
SGRR
SGSS
SGTT
SGUU
SGVV
SGWW
SGXX
SGYY
SGZZ
SGAAA
SGBBB
SGCCC
SGDDD
SGEEE
SGFFF
SGGGG
SGHHH
SGIII
SGJJJ
SGKKK
SGLLL
SGMMM
SGNNN
SGOOO
SGPPP
SGQQQ
SGRRR
SGSSS
SGTTT
SGUUU
SGVVV
SGWWW
SGXXX
SGYYY
SGZZZ

CURVE PI	CURVE CP6
△ = 63°55'12"	△ = 63°44'36"
D = 71°37'11"	D = 63°39'43"
R = 80.00'	R = 90.00'
T = 49.91'	T = 55.96'
L = 89.25'	L = 100.13'
E = 14.29'	E = 15.98'

CURVE 4	CURVE V2
△ = 12°04'55"	△ = 36°39'16"
D = 09°32'57"	D = 28°38'52"
R = 600.00'	R = 200.00'
T = 63.50'	T = 66.25'
L = 126.52'	L = 127.95'
E = 3.35'	E = 10.69'

CURVE 5	CURVE CP5
△ = 52°52'04"	△ = 14°05'21"
D = 14°41'28"	D = 06°44'26"
R = 390.00'	R = 850.00'
T = 193.89'	T = 105.04'
L = 359.86'	L = 209.02'
E = 45.54'	E = 6.47'

NOTES:

1. THE COST OF REMOVING THE CONCRETE TRAFFIC BARRIER SHALL BE PAID UNDER CONTRACT ITEM 900.640 SPECIAL PROVISION (REMOVAL OF TEMPORARY TRAFFIC BARRIER). SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. THE COST OF REMOVING THE FERRY TICKET BOOTH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.620 SPECIAL PROVISION (REMOVE AND TRANSPORT BUILDING). SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. THE EDGE OF GRAVEL DRIVEWAY SHOWN ON THIS PLAN WAS BASED ON A FIELD SURVEY PERFORMED IN DECEMBER 2011. THE PURPOSE OF THE GRAVEL RESHAPING IS TO RESTORE THE GRAVEL DRIVEWAY TO APPROXIMATE WIDTH AND LOCATION CORRESPONDING TO THE CONDITIONS BEFORE THE NEW LAKE CHAMPLAIN BRIDGE WAS CONSTRUCTED.
4. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY VERMONT AT 1-888-344-7233 TO HAVE UNDERGROUND UTILITIES LOCATED.

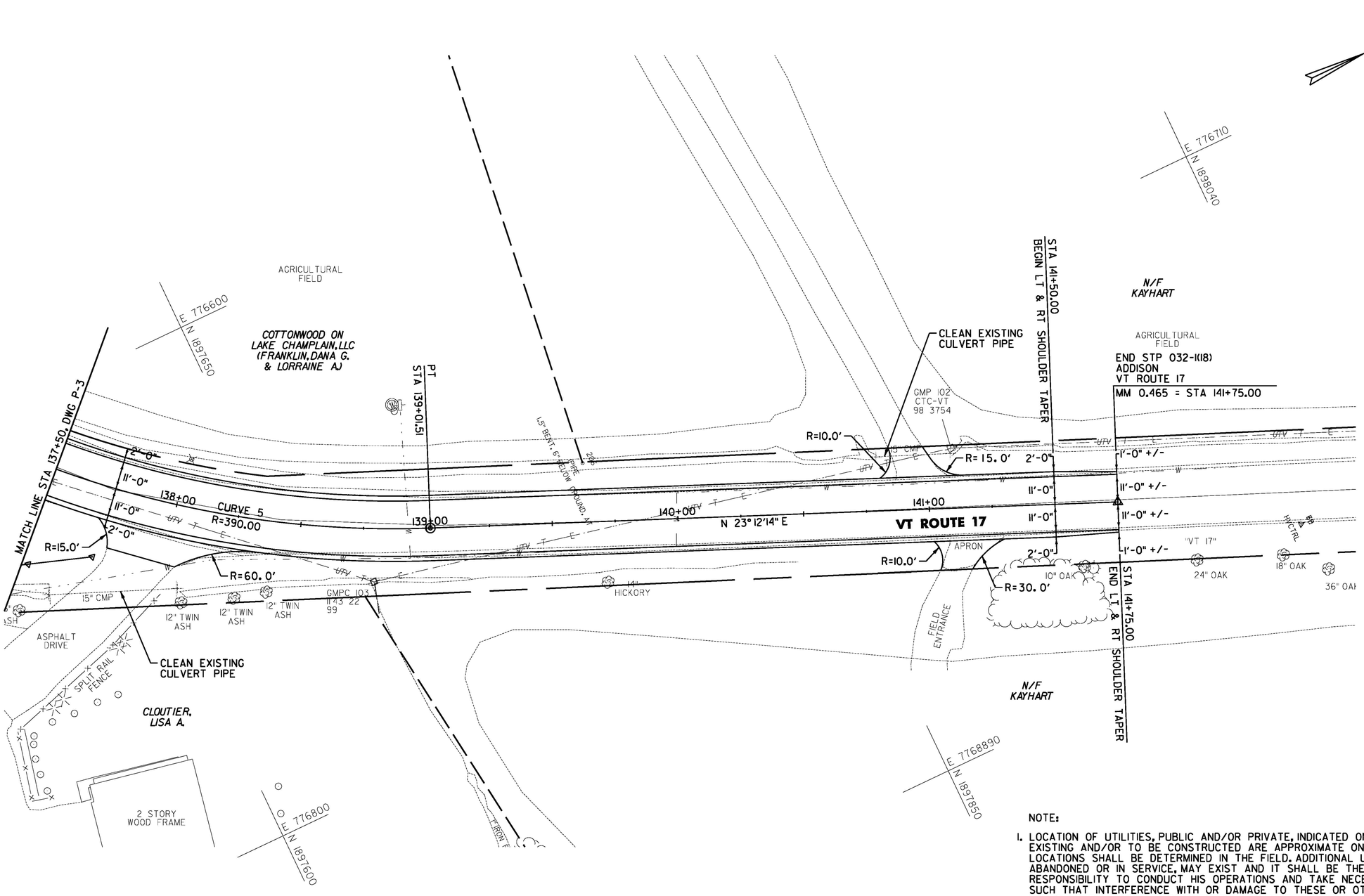
0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_L_03.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: P-3	SHEET 20 OF 100

FILE NAME = U:\2033\CADD\MSTN\z12E008_L_03.dgn
DATE/TIME = 7/12/2012
USER = 4066



NOTE:

1. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY VERMONT AT 1-888-344-7233 TO HAVE UNDERGROUND UTILITIES LOCATED.

CURVE 5

△ = 52°52'04"
D = 14°41'28"
R = 390.00'
T = 193.89'
L = 359.86'
E = 45.54'

601.995 CLEANING CULV. PIPE, IN-PLACE [0 TO 24 IN., INCL.]
ADDISON:
STA 137+63.0 - STA 138+07.0 RT (52.0 LF)
STA 140+80.0 - STA 141+09.0 LT (30.0 LF)

900.675 SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
ADDISON:
STA 137+91.0 RT (48.8 SY)
STA 140+91.0 LT (24.6 SY)
STA 141+10.0 RT (22.7 SY)

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
PROJECT NUMBER: STP 032-1(18)	
FILE NAME: z12E008_L_04.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: P-4	SHEET 21 OF 100

FILE NAME = U:\2013\CADD\MSTN\z12E008_L_04.dgn
DATE/TIME = 7/12/2012
USER = #266

N

LAKE CHAMPLAIN

E 776200
N 1896940

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT.OF FORESTS,PARKS &
RECREATION

ALL WATERSIDE FERRY TERMINAL
INFRASTRUCTURE TO BE REMOVED
UNDER NYSDOT CONTRACT D261458

REMOVE TEMPORARY FERRY BRIDGE
ABUTMENT & APPURTENANCES
(SEE DETAIL, SHEET 62)

PRECAST CONCRETE BLOCK WINGWALLS
TO BE REMOVED (SEE DETAIL, SHEET 62)

EXISTING DROP INLET,
15" CPEP AND STONE PAD
TO BE REMOVED
(SEE SHEET 12)
(SEE NOTE 1)

WARMING HUT TO
BE REMOVED BY
OTHERS

EXISTING DROP INLET
AND 12" CPEP
TO BE REMOVED
(SEE SHEET 12)
(SEE SHEET 1)

REMOVE FERRY
ACCESS ROAD
(SEE DETAIL, SHEET 61)

APPROXIMATE
WASTE WATER SYSTEM

E 776240
N 1897270

15" SICPP

12" CPEP

FERRY ACCESS ROAD

VF 15+00 | VF 16+00 | VF 17+00 | VF 18+00 | VF 19+00

N 7° 13' 51" E

MATCH LINE STA VF 20+00, DWG P-3

OVERHEAD UTILITIES
TO BE REMOVED BY
OTHERS (TYP)

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT.OF FORESTS,PARKS &
RECREATION

LAKE CHAMPLAIN

EDGE OF WATER AT
TIME OF MAPPING,
ELEV = 99.6

2" - 30"
HARDWOODS

E 776460
N 1896950

E 776470
N 1897240

NOTES:

1. THE COST OF REMOVING THE DRAINAGE SYSTEM SHALL BE INCIDENTAL TO ITEM 203.15 COMMON EXCAVATION. THE SALVAGED DRAINAGE ITEMS WILL BE DELIVERED TO VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY.

2. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY VERMONT AT 1-888-344-7233 TO HAVE UNDERGROUND UTILITIES LOCATED.

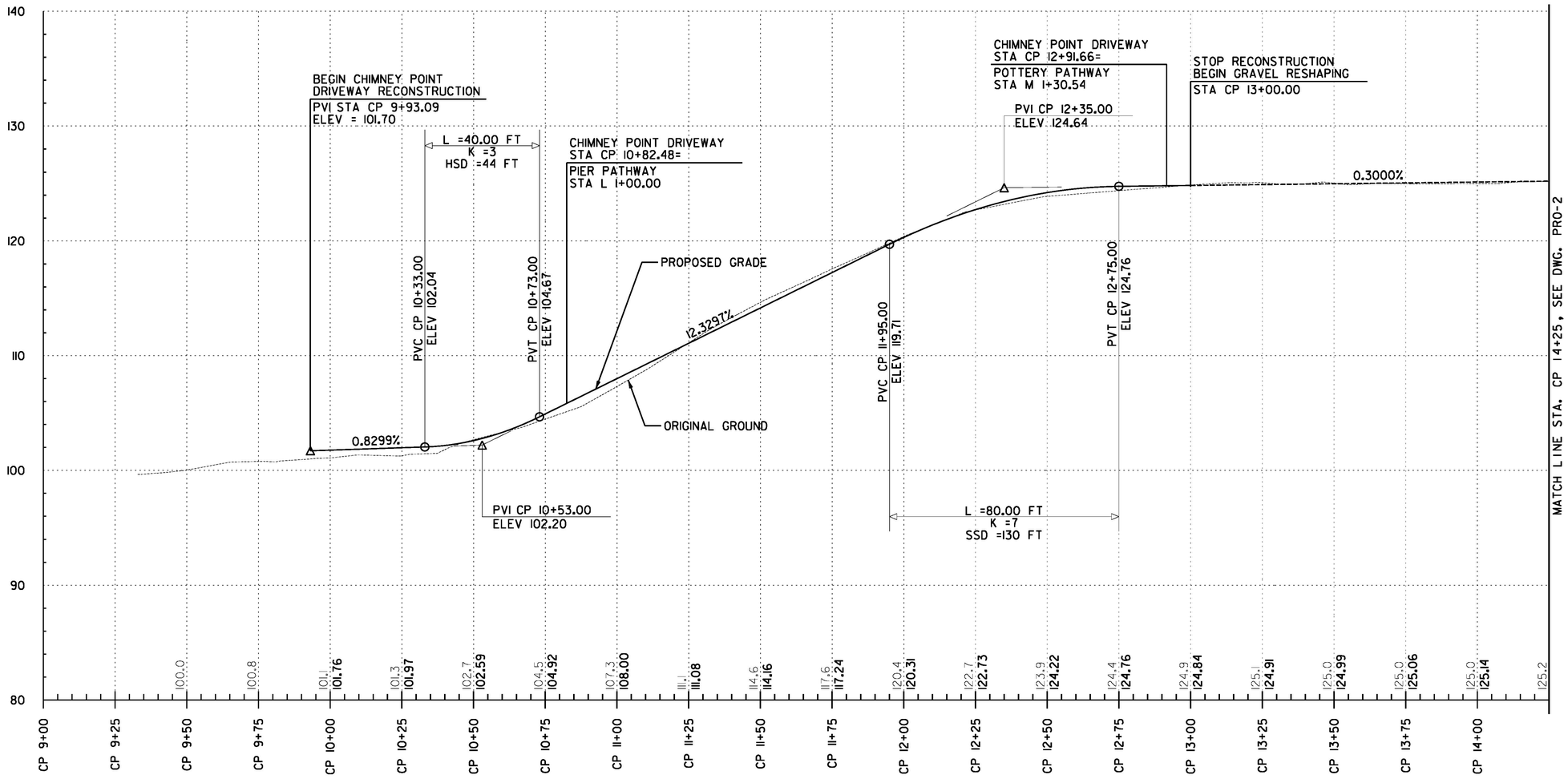
0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #5

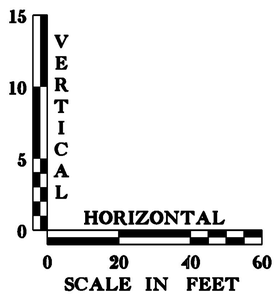
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_L_05.dgn | PLOT DATE: 7/20/2012
PROJECT LEADER: D.E.G. | DRAWN BY: W.G.P.
DESIGNED BY: B.T.H. | CHECKED BY: D.E.G.
DWG. NO.: P-5 | SHEET 22 OF 100

FILE NAME = U:\2033R\CADD\MISTN\z12E008_L_05.dgn
DATE/TIME = 7/20/2012
USER = 4666



CHIMNEY POINT DRIVEWAY



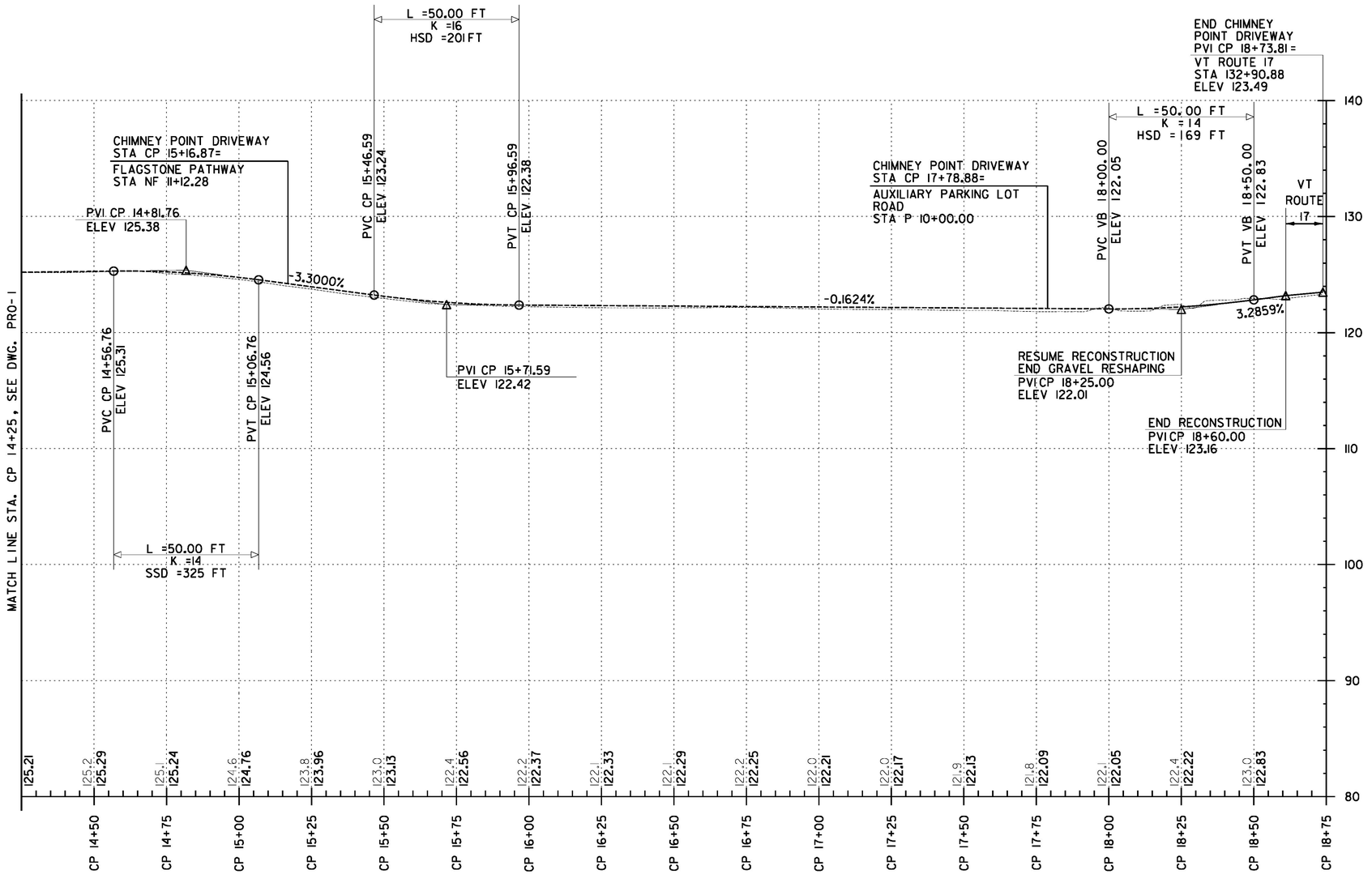
FILE NAME = U:\2013\CADD\MSTN\z12E008_pro_01.dgn
DATE/TIME = 7/12/2012
USER = wgp

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROFILE SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_pro_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: PRO-1	SHEET 23 OF 100



CHIMNEY POINT DRIVEWAY

VERTICAL
15
10
5
0

HORIZONTAL
0 20 40 60

SCALE IN FEET

FILE NAME = \\A12030\CADD\MSTN\z12E008_pro_02.dgn
DATE/TIME = 7/12/2012
USER = 4686

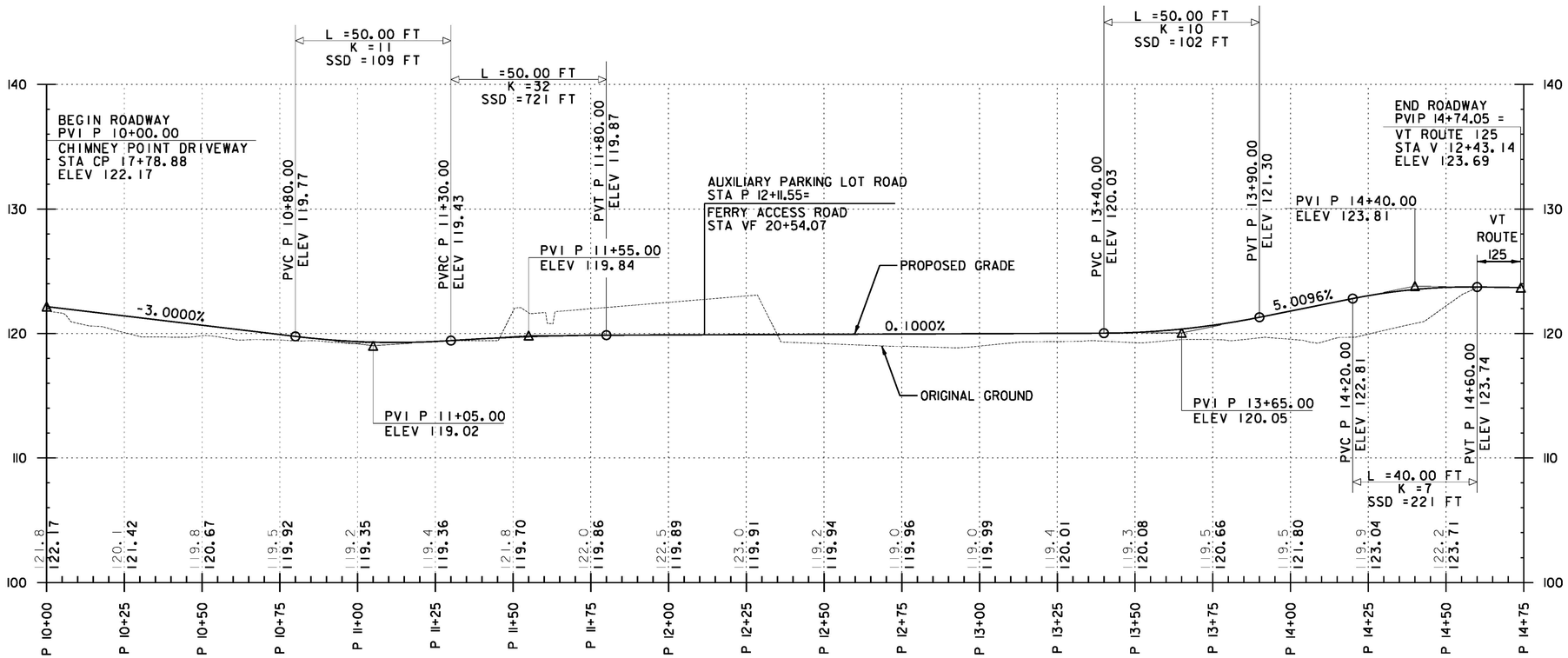
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROFILE SHEET #2

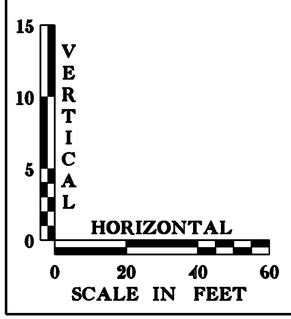
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_pro_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: PRO-2

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 24 OF 100



AUXILIARY PARKING LOT ROAD



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DATE/TIME = 7/12/2012
USER = 4686

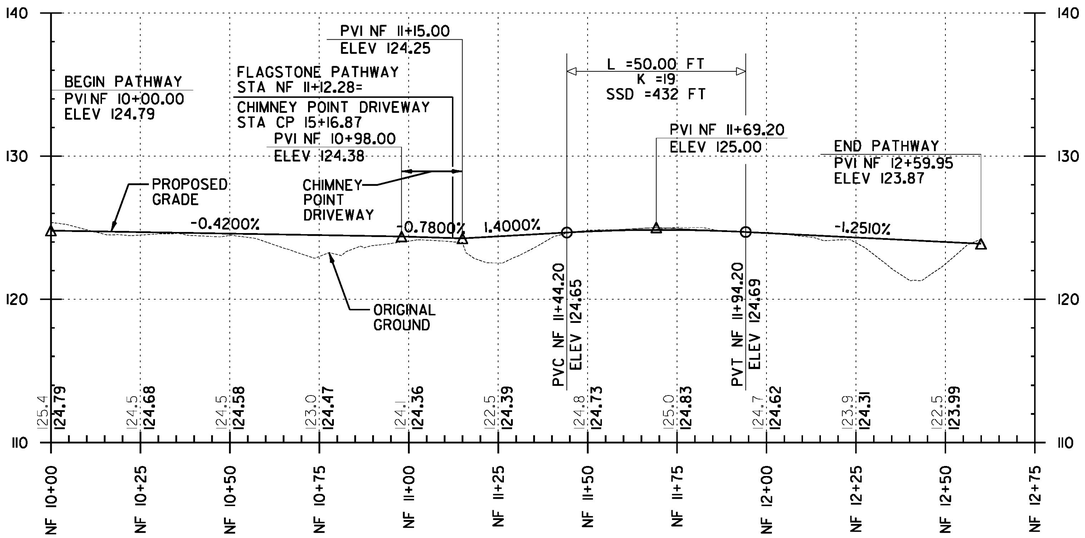
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROFILE SHEET #3

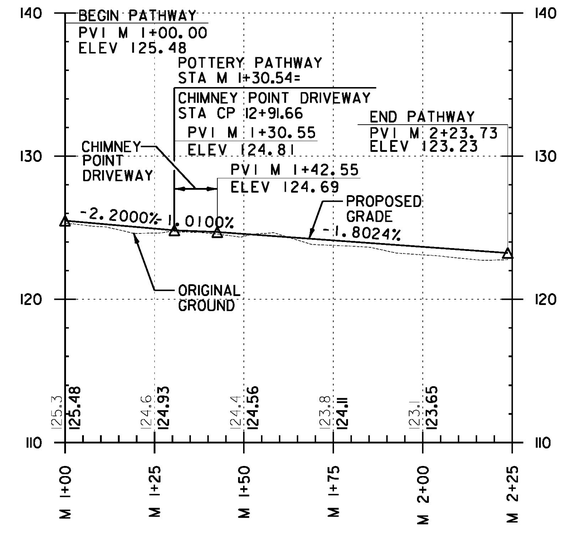
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_pro_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: PRO-3

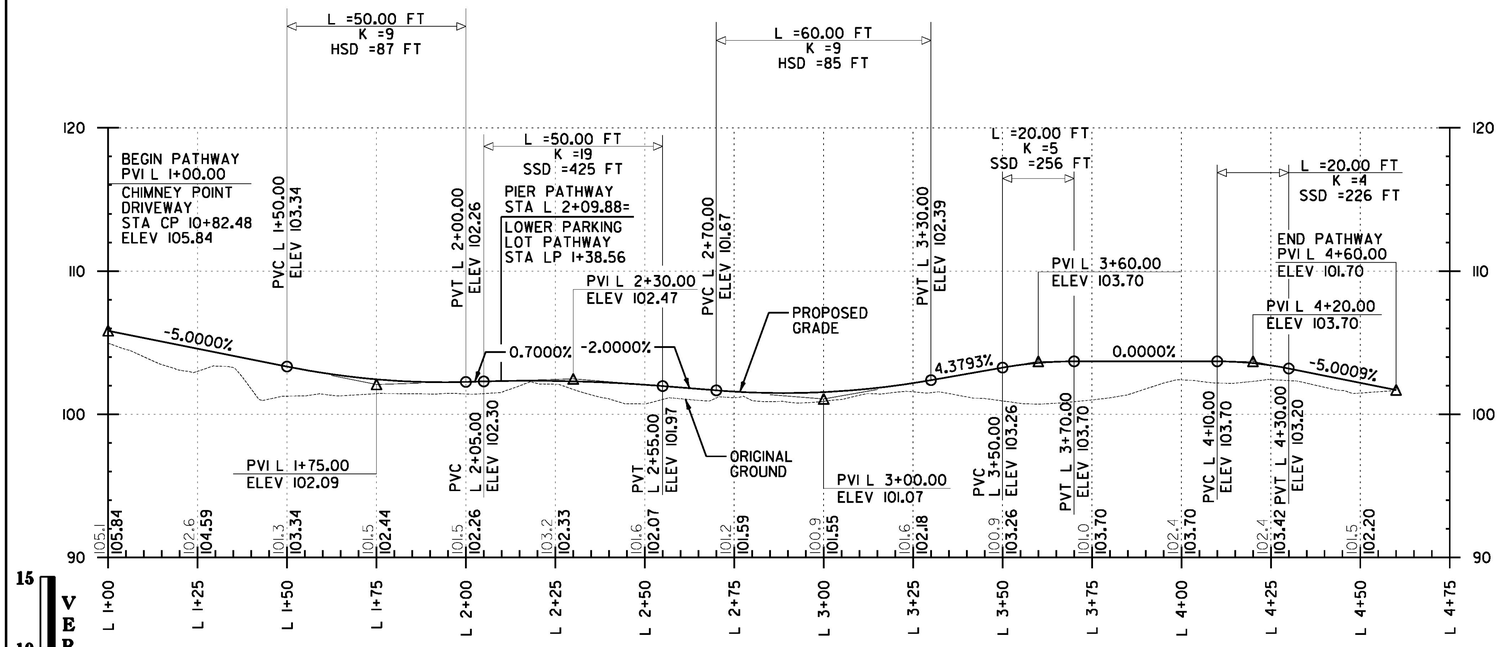
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 25 OF 100



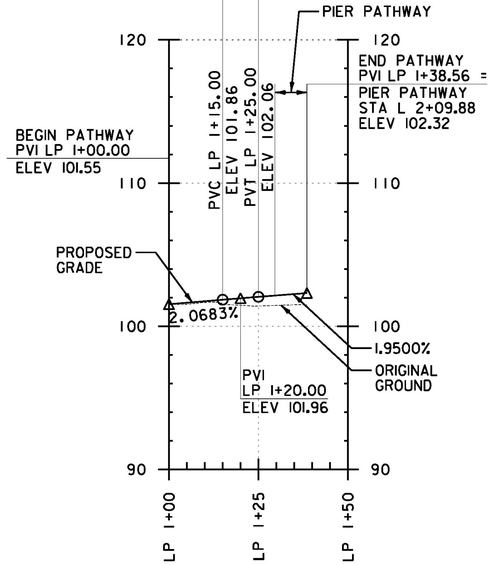
FLAGSTONE PATHWAY



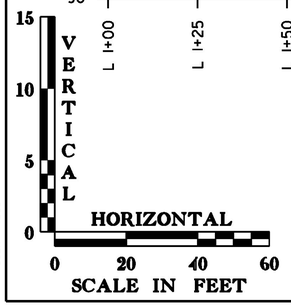
POTTERY PATHWAY



PIER PATHWAY



LOWER PARKING LOT PATHWAY



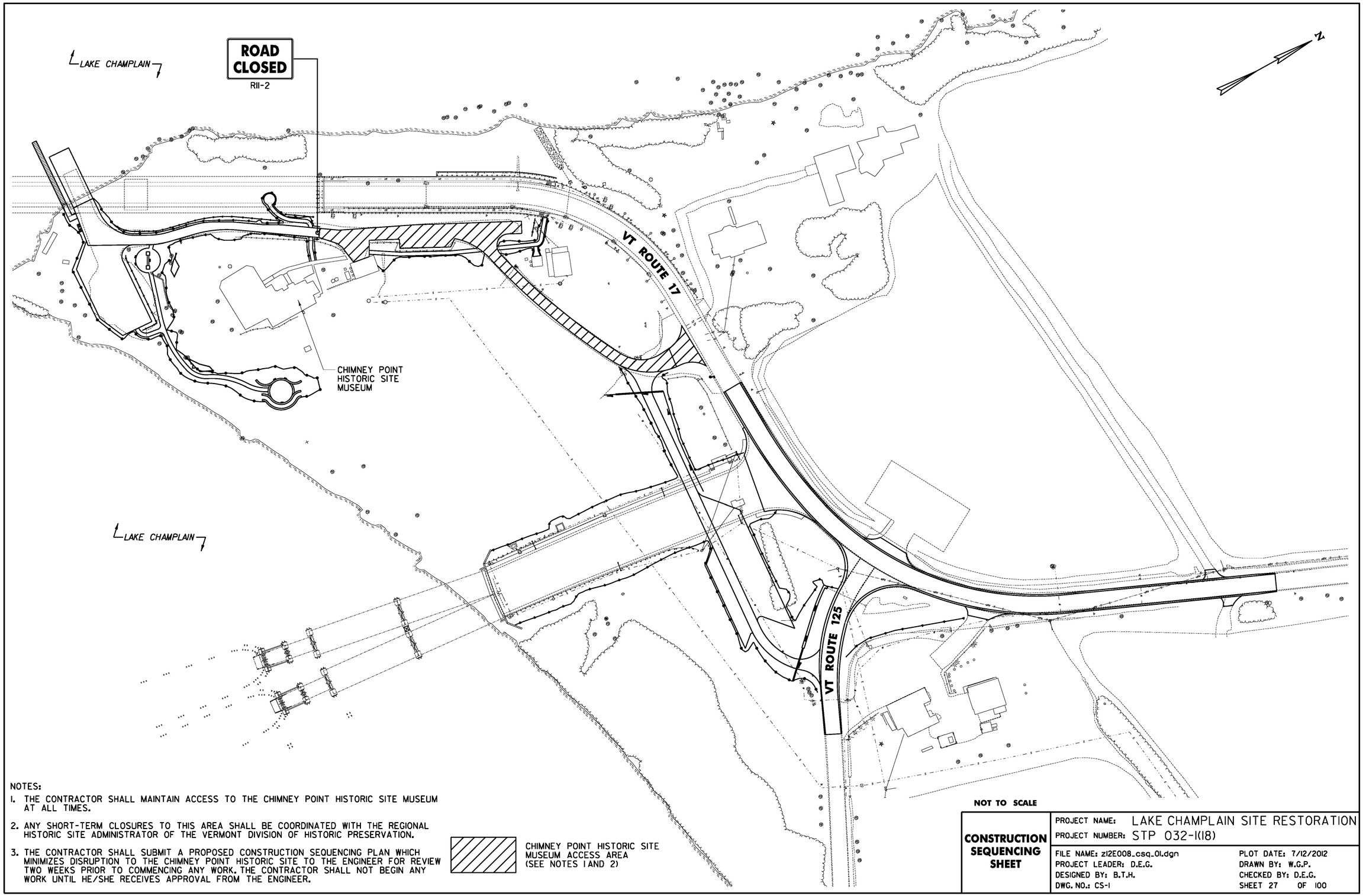
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED PROFILE GRADES FOR THE NEW ALIGNMENT.

PROFILE SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_pro_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: PRO-4
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 26 OF 100

FILE NAME = U:\2012\CADD\MSTN\z12E008_pro_04.dgn
DATE/TIME = 7/12/2012
USER = 4066



NOTES:

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE CHIMNEY POINT HISTORIC SITE MUSEUM AT ALL TIMES.
2. ANY SHORT-TERM CLOSURES TO THIS AREA SHALL BE COORDINATED WITH THE REGIONAL HISTORIC SITE ADMINISTRATOR OF THE VERMONT DIVISION OF HISTORIC PRESERVATION.
3. THE CONTRACTOR SHALL SUBMIT A PROPOSED CONSTRUCTION SEQUENCING PLAN WHICH MINIMIZES DISRUPTION TO THE CHIMNEY POINT HISTORIC SITE TO THE ENGINEER FOR REVIEW TWO WEEKS PRIOR TO COMMENCING ANY WORK. THE CONTRACTOR SHALL NOT BEGIN ANY WORK UNTIL HE/SHE RECEIVES APPROVAL FROM THE ENGINEER.

CHIMNEY POINT HISTORIC SITE MUSEUM ACCESS AREA (SEE NOTES 1 AND 2)

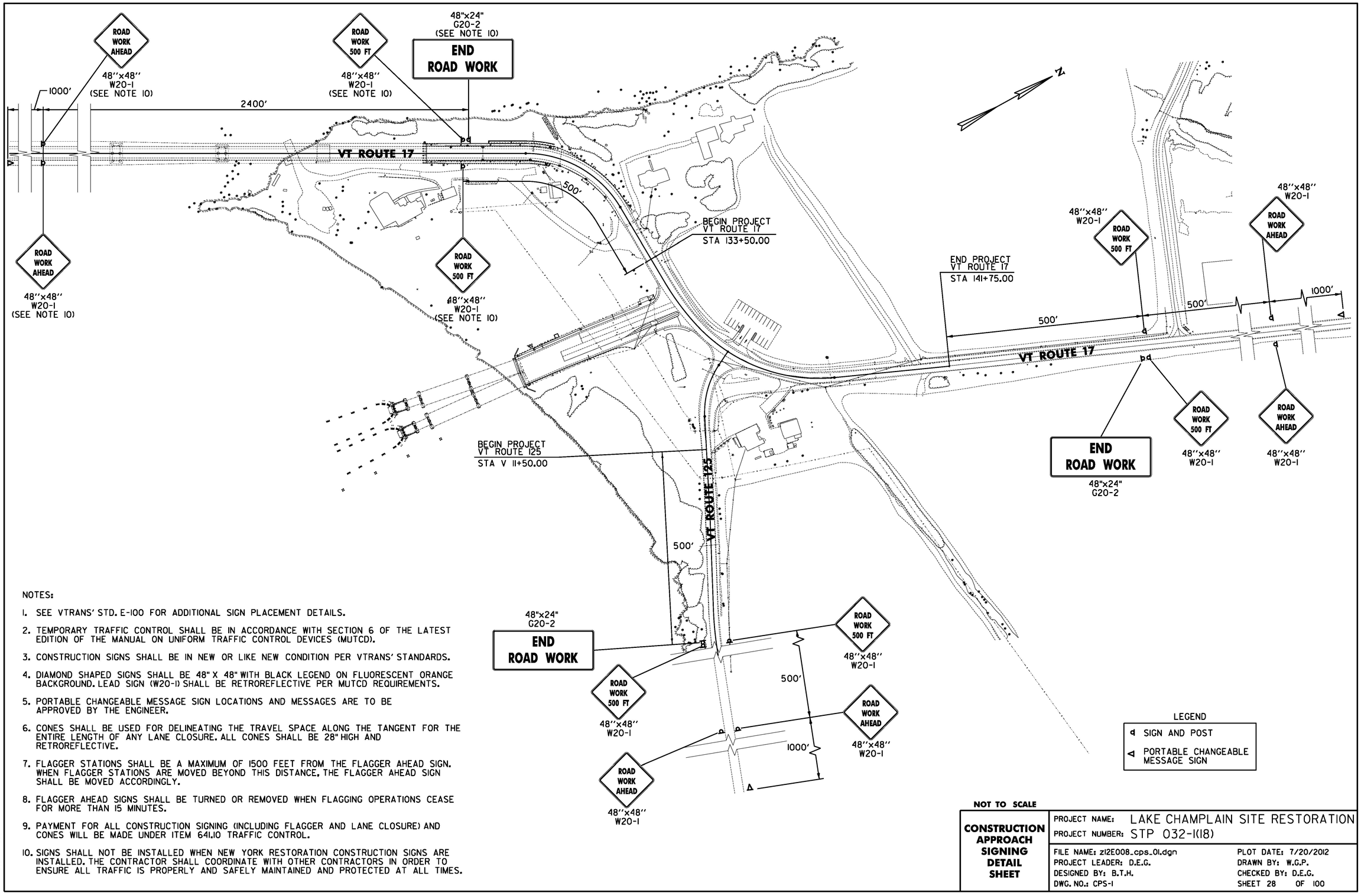
NOT TO SCALE

CONSTRUCTION SEQUENCING SHEET

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_csq_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: CS-1	SHEET 27 OF 100

FILE NAME = U:\2030\CADD\MSTN\z12E008_csq_01.dgn
DATE/TIME = 7/12/2012
USER = 4666



NOTES:

1. SEE VTRANS' STD. E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
2. TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VTRANS' STANDARDS.
4. DIAMOND SHAPED SIGNS SHALL BE 48" X 48" WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND. LEAD SIGN (W20-1) SHALL BE RETROREFLECTIVE PER MUTCD REQUIREMENTS.
5. PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS AND MESSAGES ARE TO BE APPROVED BY THE ENGINEER.
6. CONES SHALL BE USED FOR DELINEATING THE TRAVEL SPACE ALONG THE TANGENT FOR THE ENTIRE LENGTH OF ANY LANE CLOSURE. ALL CONES SHALL BE 28" HIGH AND RETROREFLECTIVE.
7. FLAGGER STATIONS SHALL BE A MAXIMUM OF 1500 FEET FROM THE FLAGGER AHEAD SIGN. WHEN FLAGGER STATIONS ARE MOVED BEYOND THIS DISTANCE, THE FLAGGER AHEAD SIGN SHALL BE MOVED ACCORDINGLY.
8. FLAGGER AHEAD SIGNS SHALL BE TURNED OR REMOVED WHEN FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.
9. PAYMENT FOR ALL CONSTRUCTION SIGNING (INCLUDING FLAGGER AND LANE CLOSURE) AND CONES WILL BE MADE UNDER ITEM 641.10 TRAFFIC CONTROL.
10. SIGNS SHALL NOT BE INSTALLED WHEN NEW YORK RESTORATION CONSTRUCTION SIGNS ARE INSTALLED. THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS IN ORDER TO ENSURE ALL TRAFFIC IS PROPERLY AND SAFELY MAINTAINED AND PROTECTED AT ALL TIMES.

NOT TO SCALE

CONSTRUCTION APPROACH SIGNING DETAIL SHEET

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zl2E008_cps_01.dgn | PLOT DATE: 7/20/2012
PROJECT LEADER: D.E.G. | DRAWN BY: W.G.P.
DESIGNED BY: B.T.H. | CHECKED BY: D.E.G.
DWG. NO.: CPS-1 | SHEET 28 OF 100

FILE NAME = U:\2833W\CADD\MSTN\zl2E008_cps_01.dgn
DATE/TIME = 7/20/2012
USER = 4066

EPSC PLAN NARRATIVE

1.1 PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REMOVAL OF THE TEMPORARY FERRY ACCESS ROAD CONSTRUCTED WHEN THE LAKE CHAMPLAIN BRIDGE WAS CLOSED IN THE TOWN OF ADDISON. THIS PROJECT ALSO INCLUDES THE RESURFACING OF VERMONT ROUTE 17 AND VERMONT ROUTE 125, THE RECONSTRUCTION OF THE CHIMNEY POINT DRIVEWAY TO PRE-CONSTRUCTION CONDITION, THE CONSTRUCTION OF THREE PEDESTRIAN PATHS, REGRADING LOWER PARKING LOT AND THE CONSTRUCTION OF A NEW PARKING LOT.

NOTE: AREA OF DISTURBANCE INCLUDES LIMITS OF EARTH DISTURBANCE WITHIN THE PROJECT AREA, AS WELL AS WASTE, BORROW AND STAGING AREAS, AND OTHER EARTH DISTURBING ACTIVITIES WITHIN OR DIRECTLY ADJACENT TO THE PROJECT LIMITS AS SHOWN ON THE ATTACHED EPSC PLAN.

TOTAL AREA OF DISTURBANCE AS SHOWN ON THE ATTACHED EPSC PLAN IS APPROXIMATELY 2.2 ACRES.

IT IS ANTICIPATED THAT THIS PROJECT WILL LAST ONE CONSTRUCTION SEASON.

1.2 SITE INVENTORY

1.2.1 TOPOGRAPHY

THE TOPOGRAPHY OF THE PROJECT AREA CONSISTS PRIMARILY OF LEVEL TERRAIN SITUATED ON A POINT KNOWN AS CHIMNEY POINT ALONG THE EASTERN SHORE OF LAKE CHAMPLAIN. THERE ARE SEVERAL AREAS OF ACTIVE FARMLAND ADJACENT TO THE PROJECT AREA ALONG WITH THE CHIMNEY POINT HISTORICAL SITE LOCATED ON THE NORTH SIDE OF THE PROJECT AREA.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER, AND PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

THE PROJECT AREA IS ADJACENT TO LAKE CHAMPLAIN AND IS THE ONLY WATER SOURCE WITHIN THE PROJECT SITE. THIS PARTICULAR SECTION OF LAKE CHAMPLAIN IS LISTED ON THE 2008 STATE OF VERMONT 303(d) LIST FOR IMPAIRED WATERS DUE TO ELEVATED LEVELS OF PCB'S IN LAKE TROUT. THE EXISTING DRAINAGE PATTERNS WITHIN THE ROADWAY AND ADJACENT ROADWAY AREAS FLOW OVERLAND INTO THE LAKE. THE PROPOSED PROJECT WILL MAINTAIN THE SAME GENERAL DRAINAGE PATTERNS ASSOCIATED WITH THE EXISTING AREA.

1.2.3 VEGETATION

THE VEGETATION IN THE PROJECT AREA PRIMARILY CONSISTS OF LAWN AREAS WITH ISOLATED AREAS OF HARDWOOD TREES AND UNDERGROWTH. IMPACTS TO THE EXISTING VEGETATION WILL BE LIMITED TO THAT WHICH IS DIRECTLY AFFECTED BY THE CONSTRUCTION OF PARKING LOTS, PEDESTRIAN PATHS AND REMOVAL OF THE FERRY ACCESS ROAD. UPON PROJECT COMPLETION, THE BANKS WILL BE ARMORED WITH STONE FILL AS NECESSARY AND DISTURBED VEGETATION WILL BE REESTABLISHED WITH STANDARD SEED AND MULCH PRACTICES.

1.2.4 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF ADDISON, VERMONT.

MAP UNIT	DESCRIPTION	SLOPES	K-VALUE
MrA	MELROSE FINE SANDY LOAM	0-3%	0.28
W	WATER		

NOTE: K-VALUES GENERALLY INDICATE THE FOLLOWING:
0.0-0.23 = LOW EROSION POTENTIAL
0.24-0.36 = MODERATE EROSION POTENTIAL
0.37 AND HIGHER = HIGH EROSION POTENTIAL

1.2.5 SENSITIVE RESOURCE AREAS

CRITICAL HABITATS: NO
HISTORICAL OR ARCHEOLOGICAL AREAS: YES, CHIMNEY POINT HISTORICAL SITE
PRIME AGRICULTURAL LAND: THE PROJECT LIES ENTIRELY WITHIN AREA CLASSIFIED AS PRIME AGRICULTURAL LAND.
THREATENED AND ENDANGERED SPECIES: INDIANA BAT HABITAT
WATER RESOURCE: LAKE CHAMPLAIN
WETLANDS: YES, AREA ADJACENT LAKE CHAMPLAIN

1.3 RISK EVALUATION

THIS PROJECT FALLS UNDER THE JURISDICTION OF GENERAL PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES FOR LOW RISK PROJECTS. ANY MODIFICATIONS TO THE PROJECT THAT INCREASE THE RISK TO ENVIRONMENTAL RESOURCES SHALL BE EVALUATED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL

THE EROSION CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE PRINCIPLES OUTLINED IN THIS NARRATIVE CONSIST OF APPLYING MEASURES THROUGHOUT CONSTRUCTION OF THE PROJECT IN ORDER TO MINIMIZE SEDIMENT TRANSPORT TO THE RECEIVING WATERS. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER POLLUTION PREVENTION PRACTICES. THEY HAVE BEEN PROPOSED BY THE DESIGNER AS A BASIS FOR PROTECTING RESOURCES AND WILL NEED TO BE BUILT UPON BASED ON THE SPECIFIC MEANS AND METHODS OF THE CONTRACTOR. REFER TO THE LOW RISK SITE HANDBOOK AND APPROPRIATE DETAIL SHEETS FOR SPECIFIC GUIDANCE AND CONSTRUCTION DETAILING.

EROSION CONTROL MEASURES MUST BE COORDINATED WITH VTRANS' ARCHAEOLOGY OFFICER DUE TO THE ARCHAEOLOGICAL SIGNIFICANCE OF THIS SITE AREA.

ALL MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.

1.4.1 MARK SITE BOUNDARIES

SITE BOUNDARIES AND AREAS CONSTRUCTION EQUIPMENT CAN ACCESS SHALL BE DELINEATED.

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES. BECAUSE THIS PROJECT FALLS UNDER THE CGP 3-9020, BARRIER FENCE SHALL BE USED INSTEAD OF PROJECT DEMARCATION FENCE WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC).

1.4.2 LIMIT DISTURBANCE AREA

PREVENTING INITIAL SOIL EROSION BY MINIMIZING THE EXPOSED AREA IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. EARTH DISTURBANCE CAN BE MINIMIZED THROUGH CONSTRUCTION PHASING BY ONLY OPENING UP EARTH AS NECESSARY. THIS CAN LIMIT THE AREA THAT WILL BE DISTURBED AND EXPOSED TO EROSION. EMPLOY TEMPORARY CONSTRUCTION STABILIZATION PRACTICES IN INCREMENTAL STAGES AS PHASES CHANGE. FOR PROJECTS WHICH FALL UNDER THE CONSTRUCTION GENERAL PERMIT, ONLY THE ACREAGE LISTED ON THE PERMIT AUTHORIZATION MAY BE EXPOSED AT ANY GIVEN TIME.

MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE ESTABLISHED WHEREVER POSSIBLE.

1.4.3 SITE ENTRANCE/EXIT STABILIZATION

TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS SHALL BE MINIMIZED TO REDUCE THE POTENTIAL FOR RUNOFF ENTERING RECEIVING WATERS. INSTALLATION SHALL COINCIDE WITH THE CONTRACTOR'S PROGRESS SCHEDULE.

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLAN AND ANYWHERE EQUIPMENT WILL BE GOING FROM AREAS OF EXPOSED SOILS TO PAVED SURFACES.

1.4.4 INSTALL SEDIMENT BARRIERS

SEDIMENT BARRIERS SHALL BE UTILIZED TO INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETTLE OUT. THEY SHALL BE INSTALLED PRIOR TO ANY UP SLOPE WORK.

EROSION LOGS WILL BE INSTALLED AS PROPOSED ON EPSC PLANS, AT A MINIMUM.

FILTER CURTAIN WILL BE INSTALLED AS PROPOSED ON EPSC PLAN, AT A MINIMUM.

FILTER FABRIC DROP INLET PROTECTION WILL BE INSTALLED AS PROPOSED ON EPSC PLAN, AT A MINIMUM.

PIPE INLET PROTECTION WILL BE INSTALLED AS PROPOSED ON EPSC PLAN, AT A MINIMUM.

1.4.5 DIVERT UPLAND RUNOFF

DIVERSIONARY MEASURES SHALL BE USED TO INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION AND DIRECT IT AROUND THE DISTURBED AREA SO THAT CLEAN WATER DOES NOT BECOME MUDDIED WHILE TRAVELING OVER EXPOSED SOILS ON THE CONSTRUCTION SITE.

THE PROJECT AREA IS RELATIVELY FLAT. THEREFORE IT IS NOT ANTICIPATED THAT DIVERSION MEASURES WILL BE NECESSARY.

1.4.6 SLOW DOWN CHANNELIZED RUNOFF

CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSIVE POTENTIAL, OF CONCENTRATED FLOW IN CHANNELS.

STONE CHECK DAMS WILL BE INSTALLED AS PROPOSED ON THE EPSC PLAN, AT A MINIMUM.

1.4.7 CONSTRUCT PERMANENT CONTROLS

PERMANENT STORMWATER TREATMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH PERMIT CONDITIONS.

1.4.8 STABILIZE EXPOSED SOILS DURING CONSTRUCTION

ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION IN PLACE WITHIN 48 HOURS OF DISTURBANCE OR IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT 3-9020 AUTHORIZATION.

SURFACE ROUGHENING OF ALL EXPOSED SLOPES, COMBINED WITH TEMPORARY MULCHING, SHALL BE UTILIZED ON A REGULAR BASIS. BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3.

THE FORECAST OF RAINFALL EVENTS SHALL TRIGGER IMMEDIATE PROTECTION OF EXPOSED SOILS.

1.4.9 WINTER STABILIZATION

VARIOUS MEASURES SPECIFIC TO WINTER MAY BE NECESSARY SHOULD THE PROJECT EXTEND INTO WINTER (OCTOBER 15 THROUGH APRIL 15). REFER TO THE LOW RISK SITE HANDBOOK FOR GUIDANCE.

1.4.10 STABILIZE SOIL AT FINAL GRADE

EXPOSED SOIL MUST BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

SEED, MULCH, FERTILIZER AND LIME SHALL BE USED TO ESTABLISH PERMANENT VEGETATION. FOR SLOPES STEEPER THAN 1:3, BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED INSTEAD OF MULCH.

1.4.11 DE-WATERING ACTIVITIES

NO DE-WATERING ACTIVITIES ARE ANTICIPATED ON THE LAKE CHAMPLAIN SITE RESTORATION PROJECT.

1.4.12 INSPECT YOUR SITE

INSPECT THE PROJECT SITE BASED ON SPECIAL PROVISION REQUIREMENTS OR CONSTRUCTION GENERAL PERMIT AUTHORIZATION STIPULATIONS.

1.5 SEQUENCE AND STAGING

THIS SECTION WILL BE DEVELOPED BY THE CONTRACTOR USING THE GUIDANCE OUTLINED IN THE VTRANS EPSC PLAN CONTRACTOR CHECKLIST.

1.5.1 CONSTRUCTION SEQUENCE

1.5.2 OFF-SITE ACTIVITIES

IN ADDITION TO THE CONTRACTOR CHECKLIST ANY ACTIVITIES OUTSIDE THE CONSTRUCTION LIMITS SHALL FOLLOW SUBSECTIONS 105.25- 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

1.5.3 UPDATES

FILE NAME = U:\20330\CADD\MISTN\z12E008_epsc_01.dgn
DATE/TIME = 7/12/2012
USER = 4666

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_epsc_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: EPN-1	SHEET 29 OF 100

N

LAKE CHAMPLAIN

CHIMNEY POINT DRIVEWAY
STA CP 10+82.43=

PIER PATHWAY
STA L 1+00.00

W

MrA

STATE OF VERMONT
AGENCY OF TRANSPORTATION

RIPARIAN BUFFER

122+00 123+00 VT ROUTE 17 124+00 125+00 126+00

CP 8+00 CP 9+00 CP 10+00 CP 11+00 CP 12+00

CHIMNEY POINT DRIVEWAY

GRAVEL DRIVE

CHAIN AND POST FENCE

MATCH LINE STA 126+75, DWG EXC-2

STA CP 12+75

M 2+00

50' WETLAND BUFFER

VB 5+00

N 86° 45'52" W

ROCK LEDGE

2 STY
W/F
HOUSE

LINE WALL

GRAVEL PARKING AREA

L 2+00

L 3+00

L 4+00

W

LAKE CHAMPLAIN

CHIMNEY POINT DRIVEWAY
STA CP 10+17.07=

BOAT LAUNCH RAMP
STA VB 5+14.67

HWCTRL 56

PIER PATHWAY
STA L 2+09.88=

LOWER PARKING LOT PATH
STA LP 1+38.56

STATE OF VERMONT
AGENCY OF COMMERCE &
COMMUNITY DEVELOPMENT
DEPT OF HISTORIC
PRESENTATION

RESOURCE LEGEND

- SOILS BOUNDARY
- FLOOD PLAIN
- WETLANDS
- WETLAND/RIPARIAN BUFFER ZONE
- AG — AGRICULTURAL LAND
- (XX) SOIL MAP UNIT SYMBOL (SEE SHEET 29 FOR DETAILS)

0 20 40
SCALE IN FEET

EROSION CONTROL EXISTING CONDITIONS SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_exc_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EXC-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 30 OF 100

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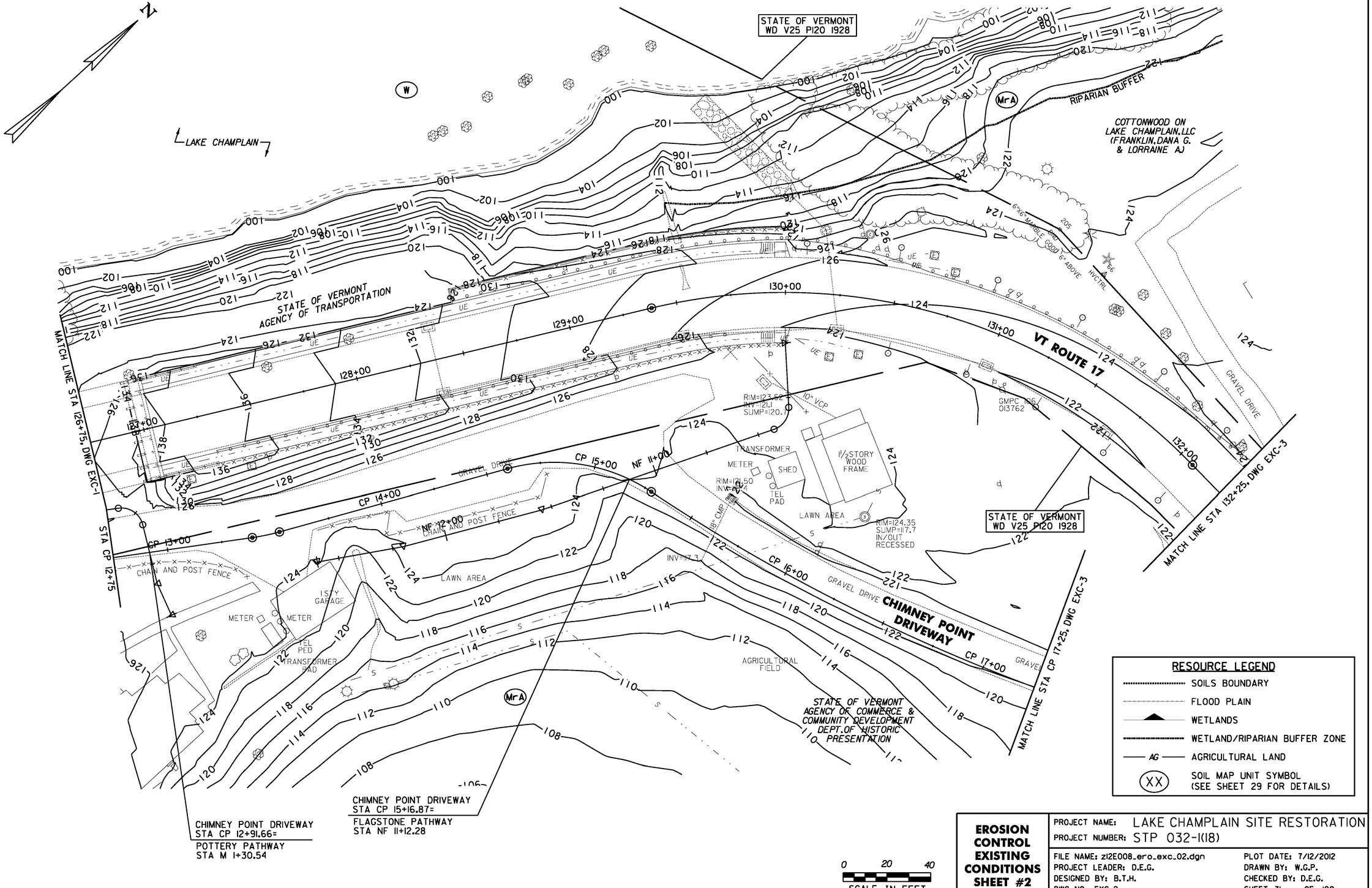
USER = 4266



RESOURCE LEGEND

- SOILS BOUNDARY
- FLOOD PLAIN
- WETLANDS
- WETLAND/RIPARIAN BUFFER ZONE
- AG — AGRICULTURAL LAND
- (XX) SOIL MAP UNIT SYMBOL (SEE SHEET 29 FOR DETAILS)

EROSION CONTROL EXISTING CONDITIONS SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zl2E008_ero_exc_02.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: EXC-2	SHEET 31 OF 100

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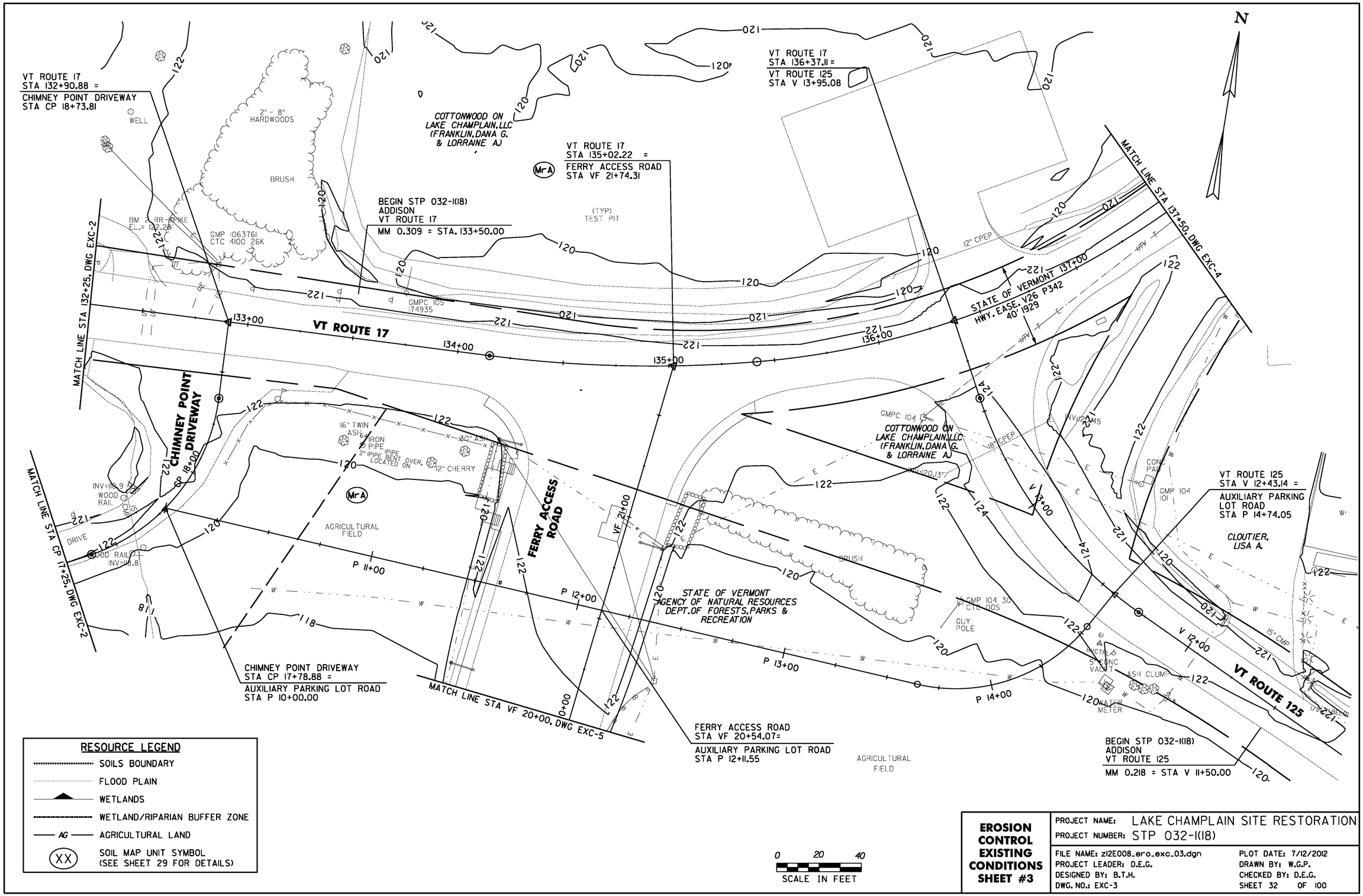
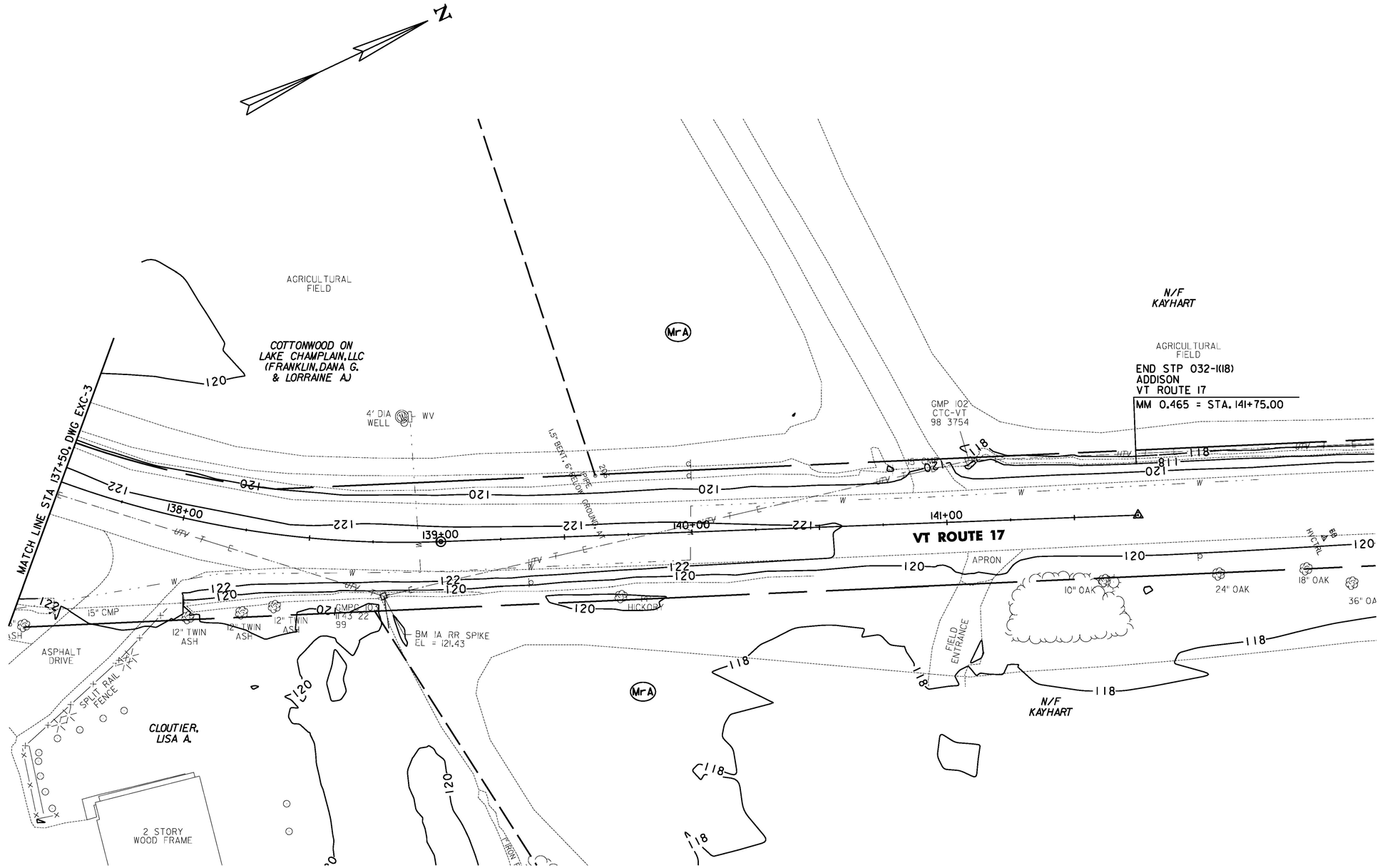
USER = 4686



EROSION CONTROL EXISTING CONDITIONS SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
PROJECT NUMBER: STP 032-1(18)	
FILE NAME: z12E008_ero_exc_03.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: EXC-3	SHEET 32 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_exc_03.dgn
DATE/TIME = 7/12/2012
USER = 4066



RESOURCE LEGEND

- SOILS BOUNDARY
- FLOOD PLAIN
- WETLANDS
- WETLAND/RIPARIAN BUFFER ZONE
- AG — AGRICULTURAL LAND
- XX — SOIL MAP UNIT SYMBOL (SEE SHEET 29 FOR DETAILS)

0 20 40
SCALE IN FEET

EROSION CONTROL EXISTING CONDITIONS SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
PROJECT NUMBER: STP 032-1(18)	
FILE NAME: z12E008_ero_exc_04.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: EXC-4	SHEET 33 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_exc_04.dgn
DATE/TIME = 7/12/2012
USER = 4066

N

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT.OF FORESTS,PARKS &
RECREATION

LAKE CHAMPLAIN

RIPARIAN BUFFER

APPROXIMATE WASTE WATER SYSTEM

15" SCPP

12" CPEP

FERRY ACCESS ROAD

VF 15+00 VF 16+00 VF 17+00 VF 18+00 VF 19+00

MATCH LINE STA VF 20+00, DWG EXC-3

2" - 30"
HARDWOODS

RESOURCE LEGEND

- SOILS BOUNDARY
- FLOOD PLAIN
- WETLANDS
- WETLAND/RIPARIAN BUFFER ZONE
- AG — AGRICULTURAL LAND
- (XX) SOIL MAP UNIT SYMBOL (SEE SHEET 29 FOR DETAILS)

0 20 40
SCALE IN FEET

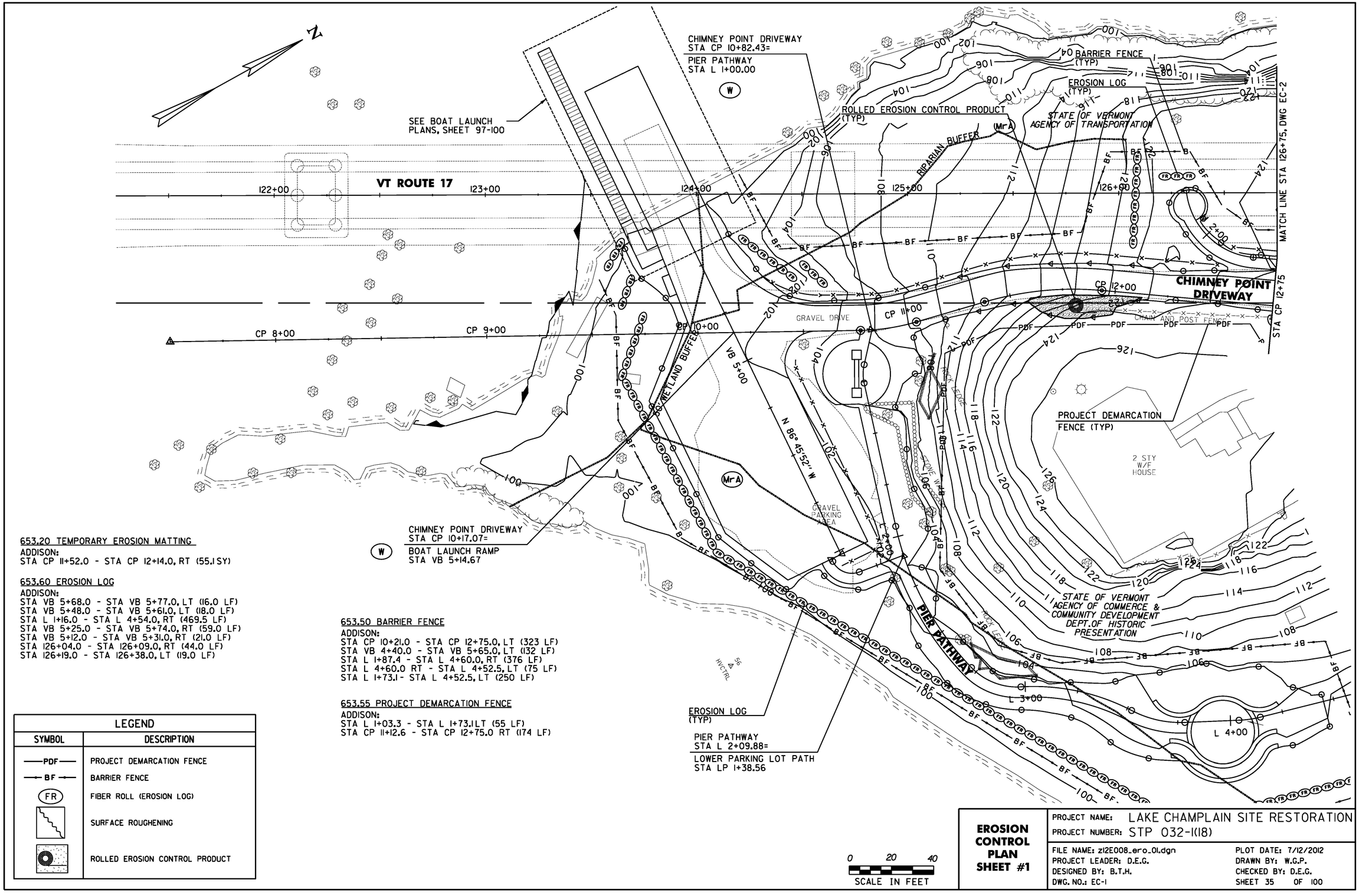
EROSION CONTROL EXISTING CONDITIONS SHEET #5

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_exc_05.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EXC-5

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 34 OF 100

FILE NAME = U:\2838\VCADD\MSTN\z12E008_ero_exc_05.dgn
DATE/TIME = 7/12/2012
USER = 4066



653.20 TEMPORARY EROSION MATTING

ADDISON:
STA CP 11+52.0 - STA CP 12+14.0, RT (55.1 SY)

653.60 EROSION LOG

ADDISON:
STA VB 5+68.0 - STA VB 5+77.0, LT (16.0 LF)
STA VB 5+48.0 - STA VB 5+61.0, LT (18.0 LF)
STA L 1+16.0 - STA L 4+54.0, RT (469.5 LF)
STA VB 5+25.0 - STA VB 5+74.0, RT (59.0 LF)
STA VB 5+12.0 - STA VB 5+31.0, RT (21.0 LF)
STA 126+04.0 - STA 126+09.0, RT (44.0 LF)
STA 126+19.0 - STA 126+38.0, LT (19.0 LF)

653.50 BARRIER FENCE

ADDISON:
STA CP 10+21.0 - STA CP 12+75.0, LT (323 LF)
STA VB 4+40.0 - STA VB 5+65.0, LT (132 LF)
STA L 1+87.4 - STA L 4+60.0, RT (376 LF)
STA L 4+60.0 RT - STA L 4+52.5, LT (75 LF)
STA L 1+73.1 - STA L 4+52.5, LT (250 LF)

653.55 PROJECT DEMARCATION FENCE

ADDISON:
STA L 1+03.3 - STA L 1+73.1 LT (55 LF)
STA CP 11+12.6 - STA CP 12+75.0 RT (174 LF)

LEGEND	
SYMBOL	DESCRIPTION
—PDF—	PROJECT DEMARCATION FENCE
—BF—	BARRIER FENCE
FR	FIBER ROLL (EROSION LOG)
	SURFACE ROUGHENING
	ROLLED EROSION CONTROL PRODUCT

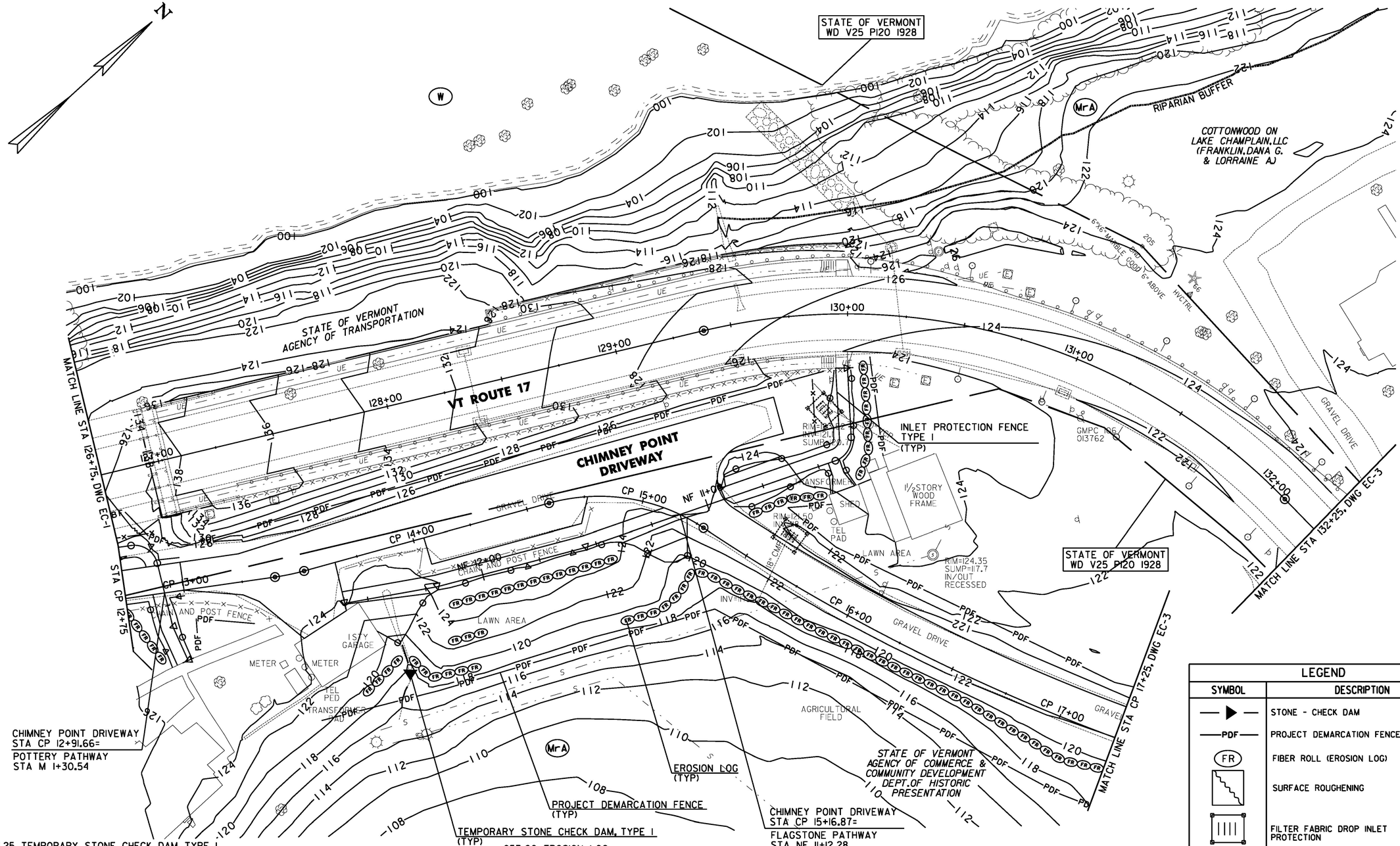
0 20 40
SCALE IN FEET

EROSION CONTROL PLAN SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EC-1
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 35 OF 100

FILE NAME = U:\2033R\CADD\MSTN\z12E008_ero_01.dgn
DATE/TIME = 7/12/2012
USER = 4086



LEGEND	
SYMBOL	DESCRIPTION
▶	STONE - CHECK DAM
PDF	PROJECT DEMARCATION FENCE
FR	FIBER ROLL (EROSION LOG)
	SURFACE ROUGHENING
	FILTER FABRIC DROP INLET PROTECTION

653.25 TEMPORARY STONE CHECK DAM, TYPE I

ADDISON:
STA CP 13+83.6, RT (3.0 CY)

653.40 INLET PROTECTION DEVICE, TYPE I

ADDISON:
STA 129+89.0, RT
STA CP 15+61.0, LT

653.50 BARRIER FENCE

ADDISON:
STA CP 12+75.0 - STA CP 12+83.4 (11LF)

653.55 PROJECT DEMARCATION FENCE

ADDISON:
STA CP 13+02.0 - STA CP 13+28.0, RT (43.0 LF)
STA 126+85.0 - STA 129+90.0, RT (304.0 LF)
STA CP 15+49.0 - STA CP 17+25.0, LT (185.1LF)
STA CP 13+46.0 - STA CP 17+25.0, RT (354.0 LF)
STA NF 10+00.0 - STA NF 10+35.0, LT (43.0 LF)

653.60 EROSION LOG

ADDISON:
STA CP 12+75.0 - STA CP 12+87.5, RT (27.0 LF)
STA CP 13+62.0 - STA CP 13+81.0, RT (22.0 LF)
STA CP 13+87.0 - STA CP 14+13.5, RT (32.0 LF)
STA CP 14+03.0 - STA CP 14+21.0, RT (18.0 LF)
STA CP 14+07.0 - STA CP 14+92.0, RT (74.0 LF)
STA CP 15+08.0 - STA CP 17+25.0, RT (234.0 LF)
STA CP 15+42.0 - STA CP 15+66.0, LT (35.0 LF)
STA 130+05.0 - STA 130+07.0, RT (52.0 LF)

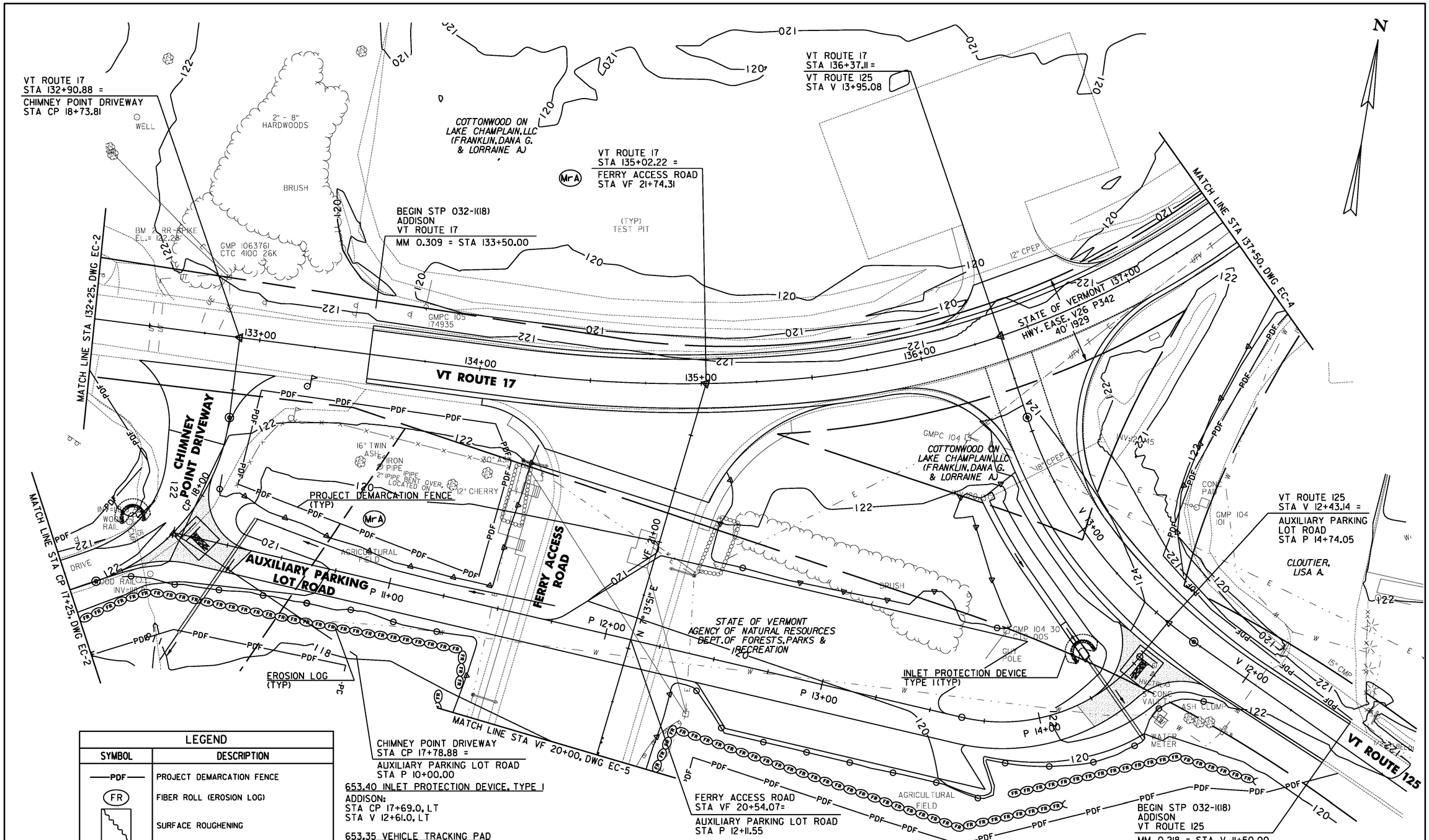
0 20 40
SCALE IN FEET

EROSION CONTROL PLAN SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EC-2
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 36 OF 100

FILE NAME = U:\2012\CAD\VMSTN\z12E008_ero_02.dgn
DATE/TIME = 7/12/2012
USER = 4066



LEGEND

SYMBOL	DESCRIPTION
—PDF—	PROJECT DEMARCATION FENCE
FR	FIBER ROLL (EROSION LOG)
	SURFACE ROUGHENING
	STABILIZED CONSTRUCTION ENTRANCE
	PIPE INLET PROTECTION

653.40 INLET PROTECTION DEVICE, TYPE I
ADDISON:
STA CP 17+69.0, LT
STA V 12+61.0, LT

653.35 VEHICLE TRACKING PAD
ADDISON:
STA P 10+00.0 - STA P 10+35.0, RT (18.3 CY)
STA P 14+15.0 - STA P 14+60.0, RT (19.7 CY)

653.60 EROSION LOG
ADDISON:
STA CP 17+25.0 - STA CP 17+95.0, RT (194.0 LF)
STA VF 20+00.0 - STA VF 20+08.0, LT (8.0 LF)
STA P 12+35.0 - STA P 14+02.5, RT (213.0 LF)

653.55 PROJECT DEMARCATION FENCE
ADDISON:
STA CP 17+25.0 - STA CP 18+57.0, LT (114.3 LF)
STA CP 17+25.0 - STA CP 17+55.0, RT (16.0 LF)
STA 132+97.0 - STA 134+18.0, RT (147.0 LF)
STA P 10+10.0 - STA P 10+90.0, RT (86.0 LF)
STA P 10+25.0 - STA P 11+40.0, LT (191.0 LF)
STA P 12+50.0 - STA P 14+60.0, RT (313 LF)
STA V 11+50.00 - STA 137+50.0, RT (237.0 LF)

0 20 40
SCALE IN FEET

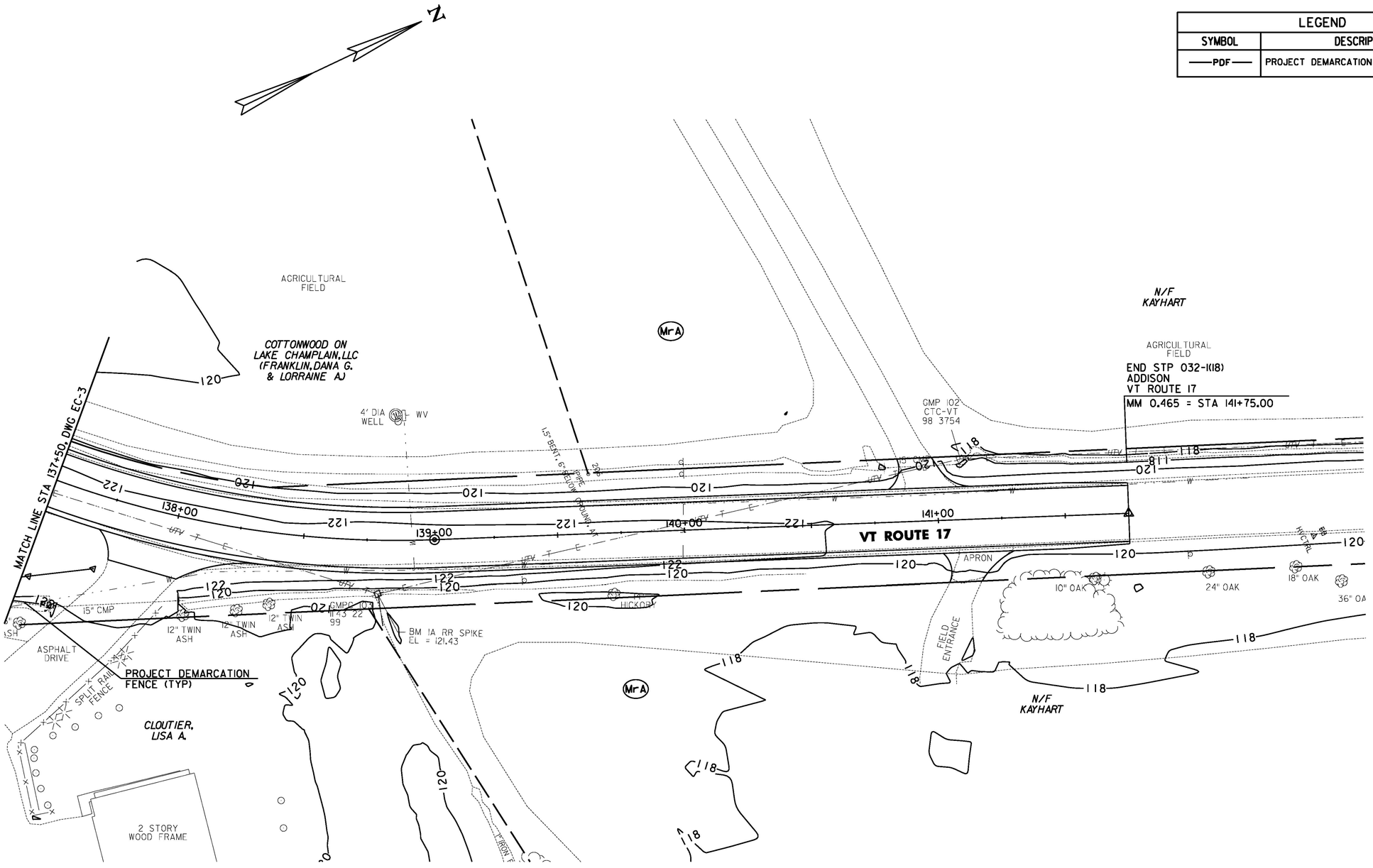
EROSION CONTROL PLAN SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EC-3
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 37 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_03.dgn
DATE/TIME = 7/12/2012
USER = 4066

LEGEND	
SYMBOL	DESCRIPTION
—PDF—	PROJECT DEMARCATION FENCE



653.55 PROJECT DEMARCATION FENCE
ADDISON:
STA 137+50.0 - STA 137+66.0, RT (19.0 LF)

0 20 40
SCALE IN FEET

EROSION CONTROL PLAN SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EC-4

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 38 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_04.dgn
DATE/TIME = 7/12/2012
USER = 4066

N

ALL WATERSIDE FERRY TERMINAL INFRASTRUCTURE TO BE REMOVED UNDER NYSDOT CONTRACT D261458

GEOTEXTILE FOR FILTER CURTAIN

BARRIER FENCE (TYP)

EROSION LOG (TYP)

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT.OF FORESTS,PARKS & RECREATION

PROJECT DEMARCATION FENCE (TYP)

APPROXIMATE WASTE WATER SYSTEM

RIPARIAN BUFFER

15" SCPP

12" CPEP

FERRY ACCESS ROAD

VF 15+00 | VF 16+00 | VF 17+00 | VF 18+00 | VF 19+00

N 7°13'51" E

MATCH LINE STA VF 20+00, DWG EC-3

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT.OF FORESTS,PARKS & RECREATION

TEMPORARY STONE CHECK DAM, TYPE I (TYP)

TEMPORARY EROSION MATTING (TYP)

2" - 30" HARDWOODS

LEGEND	
SYMBOL	DESCRIPTION
—▶—	STONE - CHECK DAM
—PDF—	PROJECT DEMARCATION FENCE
—BF—	BARRIER FENCE
	FILTER CURTAIN
FR	FIBER ROLL (EROSION LOG)
	ROLLED EROSION CONTROL PRODUCT
	SURFACE ROUGHENING

653.60 EROSION LOG
ADDISON:
STA VF 18+67.0 - STA VF 19+06.0, RT (38.0 LF)
STA VF 19+11.0 - STA VF 19+34.0, RT (24.0 LF)
STA VF 19+37.0 - STA VF 19+47.0, RT (10.0 LF)
STA VF 19+50.0 - STA VF 19+60.0, RT (10.0 LF)
STA VF 19+64.0 - STA VF 19+73.0, RT (9.0 LF)
STA VF 19+76.0 - STA VF 19+90.0, RT (14.0 LF)
STA VF 18+36.0 - STA VF 18+66.0, LT (31.0 LF)
STA VF 18+73.0 - STA VF 19+09.5, LT (38.0 LF)
STA VF 19+15.0 - STA VF 19+38.0, LT (24.0 LF)
STA VF 19+41.0 - STA VF 19+60.0, LT (21.0 LF)
STA VF 19+64.0 - STA VF 19+75.0, LT (11.0 LF)
STA VF 19+77.0 - STA VF 19+88.0, LT (11.0 LF)
STA VF 19+90.0 - STA VF 20+00.0, LT (10.0 LF)
STA VF 17+35.0 - STA VF 17+60.0, RT (55.0 LF)
STA VF 17+60.0 - STA VF 18+33.0, RT (73.0 LF)
STA VF 17+45.0 - STA VF 17+84.0, LT (112.0 LF)
STA VF 17+90.0 - STA VF 18+31.0, LT (43.0 LF)

649.61 GEOTEXTILE FOR FILTER CURTAIN
ADDISON:
STA VF 16+92.0, LT - STA VF 18+04.0, RT (381 SY)

653.20 TEMPORARY EROSION MATTING
ADDISON:
STA VF 18+26.0 - STA VF 18+59.0, RT (16.0 SY)

653.50 BARRIER FENCE
ADDISON:
STA VF 16+97.0 - STA VF 17+89.0, LT (91.9 LF)
STA VF 17+71.0 - STA VF 18+75.5, RT (104.3 LF)

653.55 PROJECT DEMARCATION FENCE
ADDISON:
STA VF 17+89.0 - STA VF 19+74.0, LT (212.0 LF)
STA VF 18+75.0 - STA VF 20+08.0, RT (135.0 LF)

653.25 TEMPORARY STONE CHECK DAM, TYPE I
ADDISON:
STA VF 18+50.0, RT (3.0 CY)

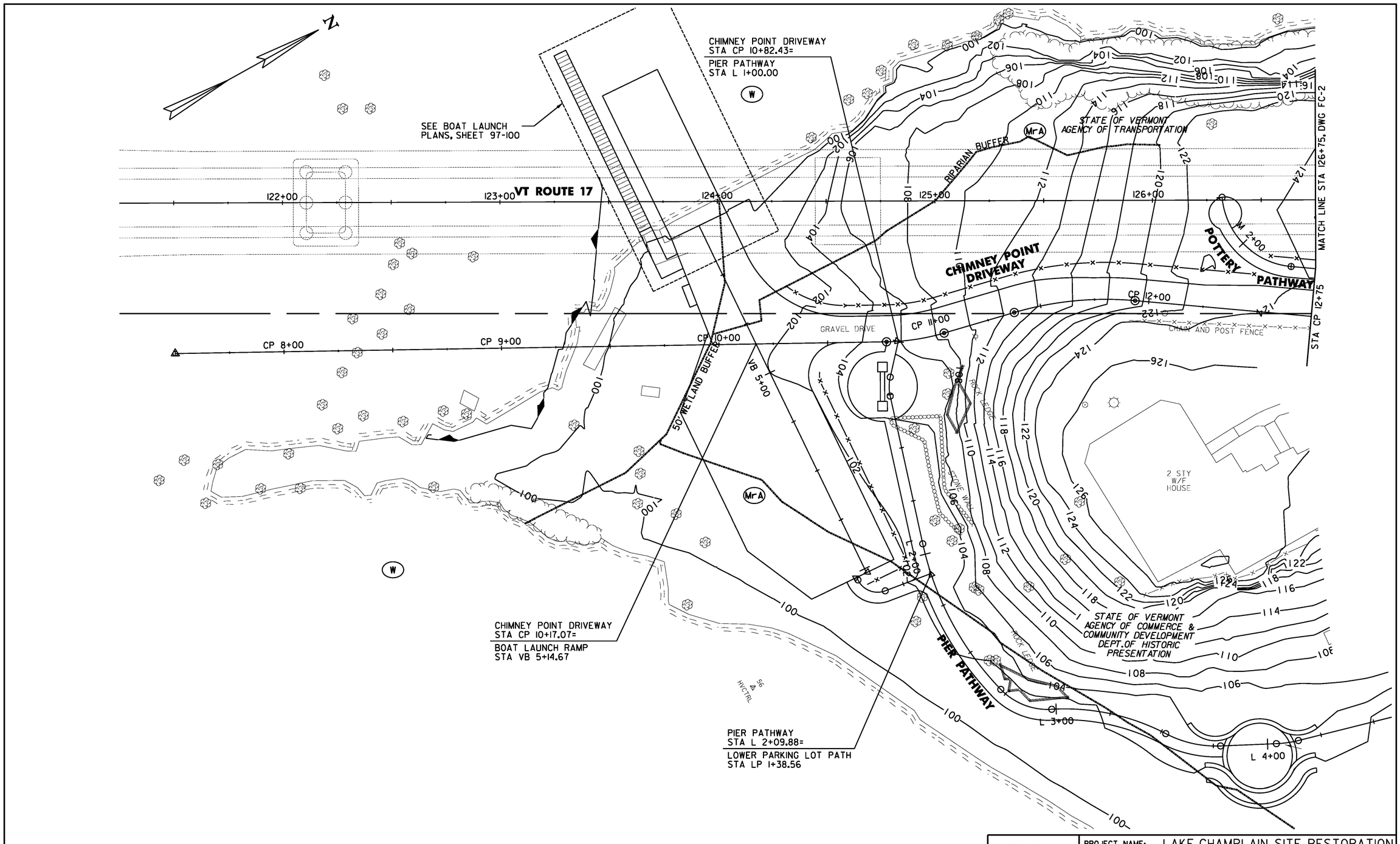
0 20 40
SCALE IN FEET

EROSION CONTROL PLAN SHEET #5

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_05.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: EC-5
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 39 OF 100

FILE NAME = U:\2033\CADD\MSTN\z12E008_ero_05.dgn
DATE/TIME = 7/12/2012
USER = 4066



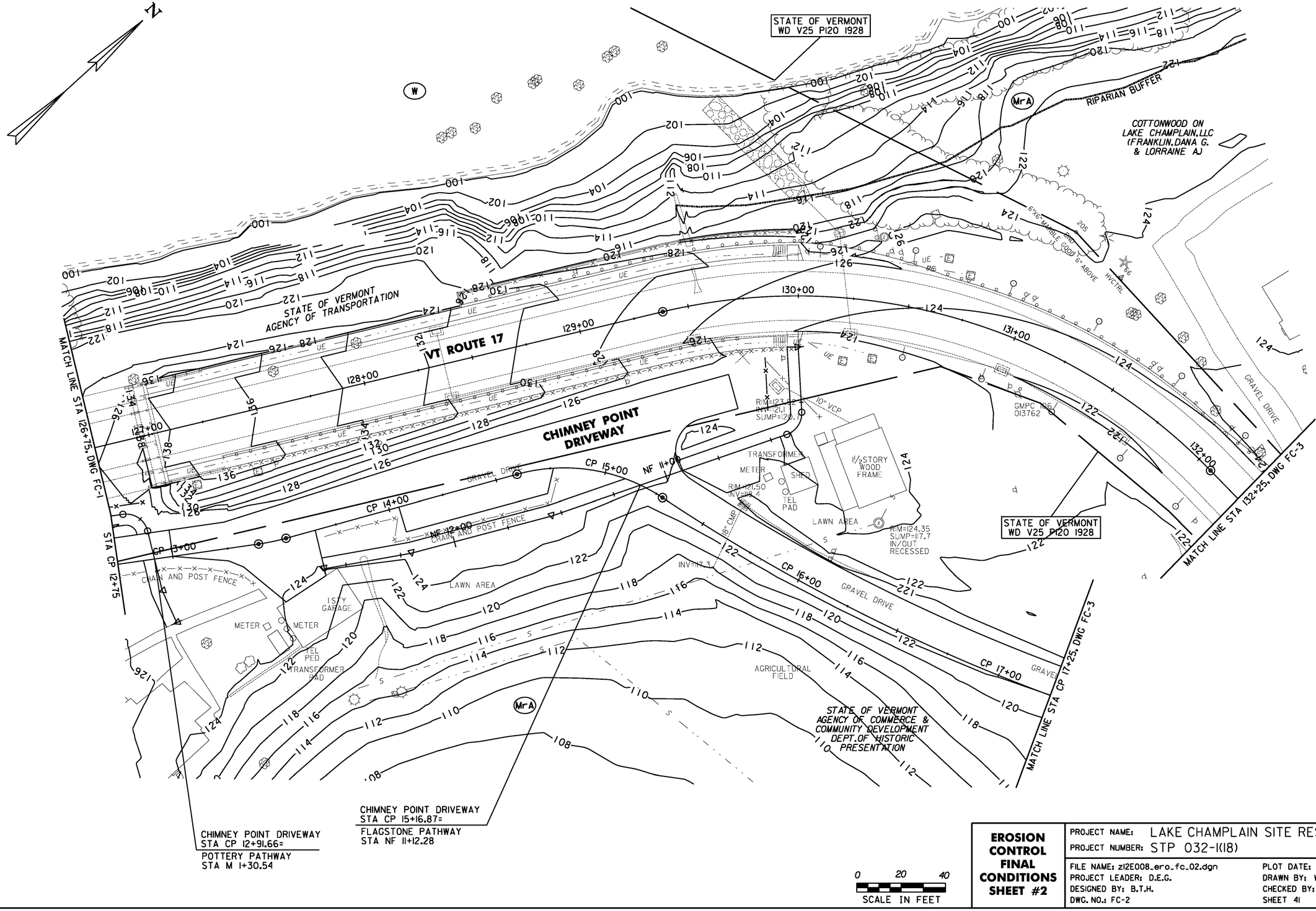
EROSION CONTROL FINAL CONDITIONS SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ero_fc_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: FC-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 40 OF 100

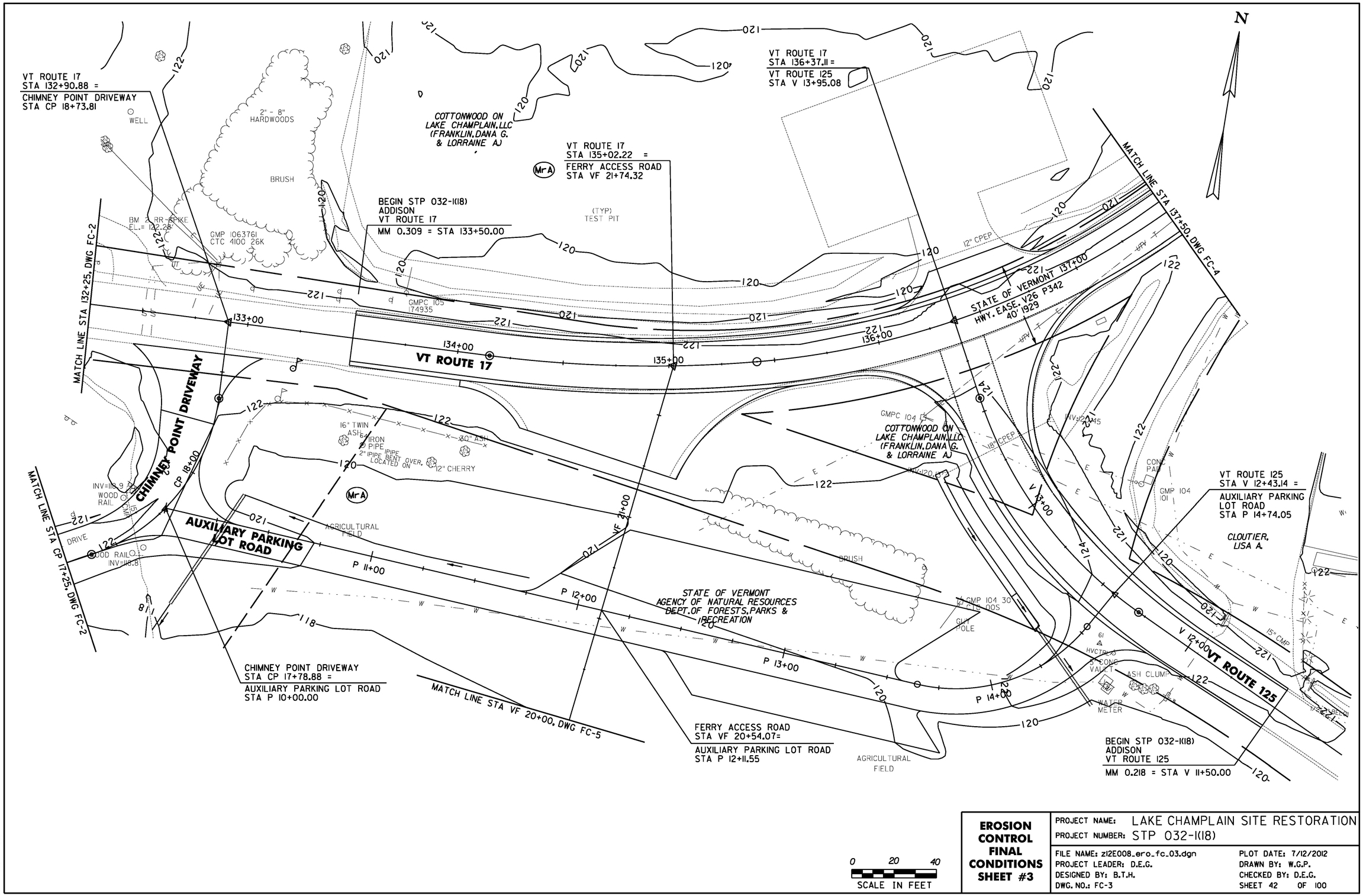
FILE NAME = U:\2833@\CADD\MSTN\z12E008_ero_fc_01.dgn
DATE/TIME = 7/12/2012
USER = 4066



EROSION CONTROL FINAL CONDITIONS SHEET #2

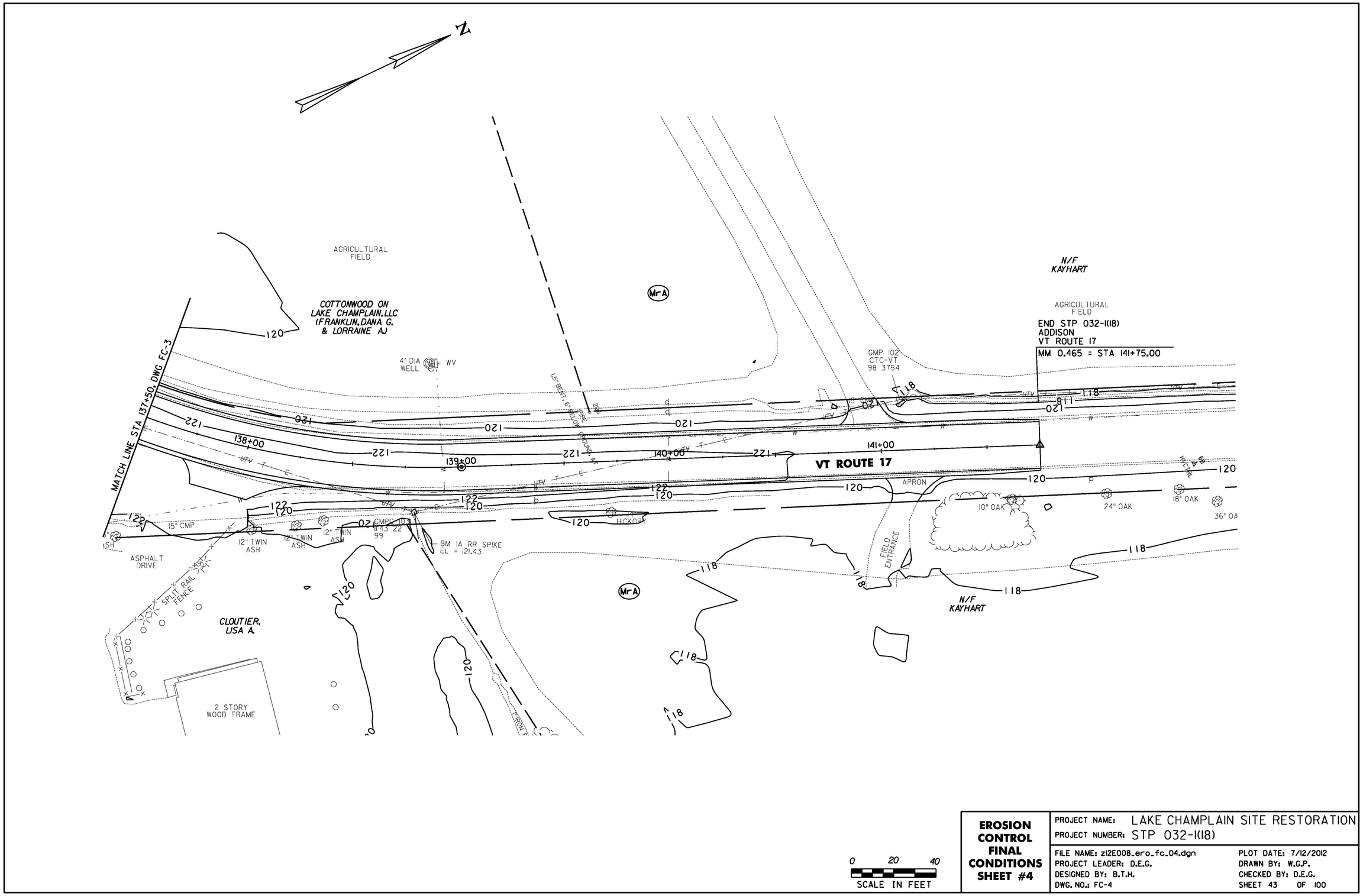
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
PROJECT NUMBER: STP 032-1(18)	
FILE NAME: z12E008_ero_fc_02.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: FC-2	SHEET 41 OF 100

FILE NAME = U:\2033\CADD\MSTN\z12E008_ero_fc_02.dgn
DATE/TIME = 7/12/2012
USER = 4086



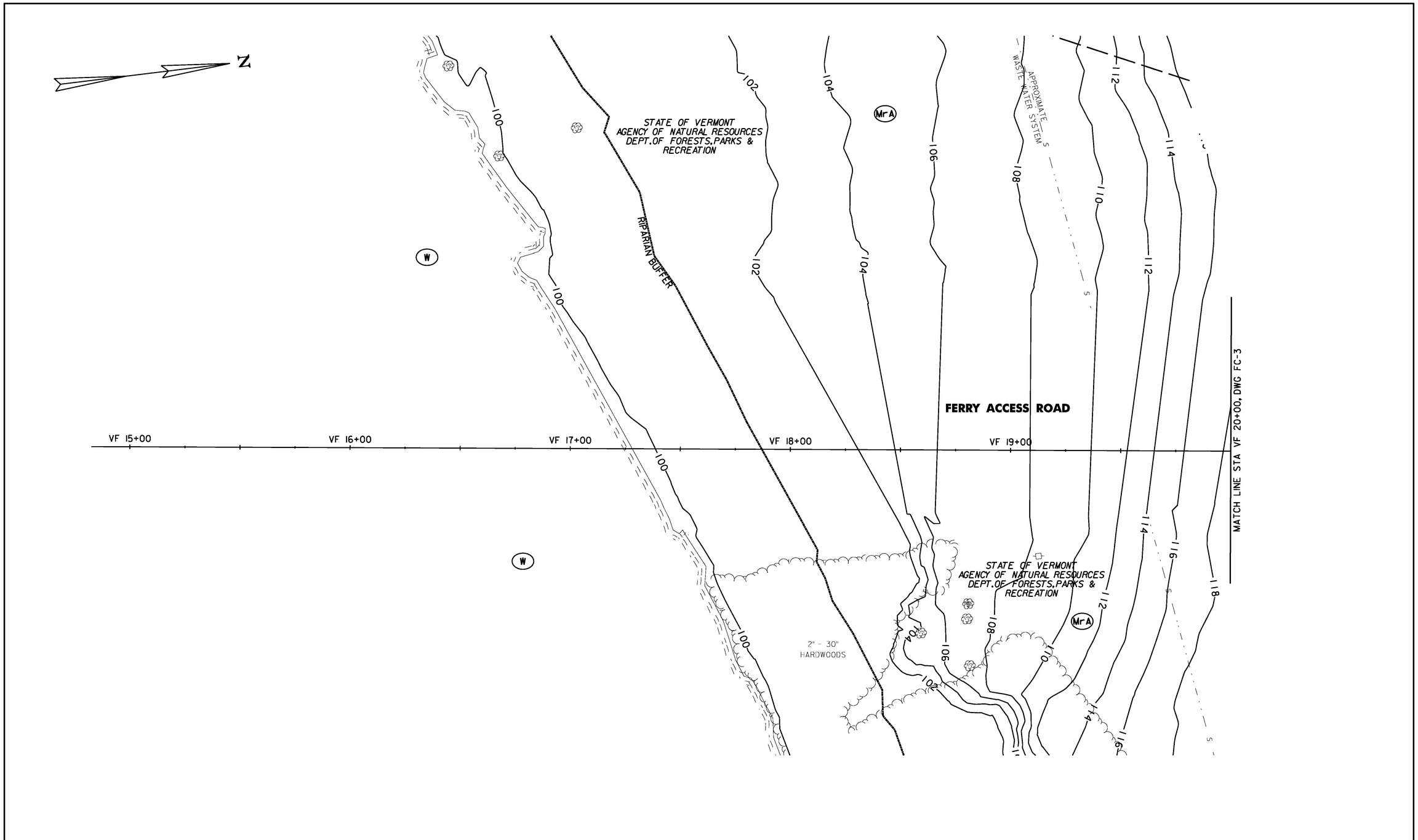
EROSION CONTROL FINAL CONDITIONS SHEET #3	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
	PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_ero_fc_03.dgn	PLOT DATE: 7/12/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
	DWG. NO.: FC-3	SHEET 42 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_fc_03.dgn
DATE/TIME = 7/12/2012
USER = 4066



EROSION CONTROL FINAL CONDITIONS SHEET #4	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_ero_fc_04.dgn PROJECT LEADER: D.E.G. DESIGNED BY: B.T.H. DWG. NO.: FC-4	PLOT DATE: 7/12/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 43 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_fc_04.dgn
DATE/TIME = 7/12/2012
USER = 4066

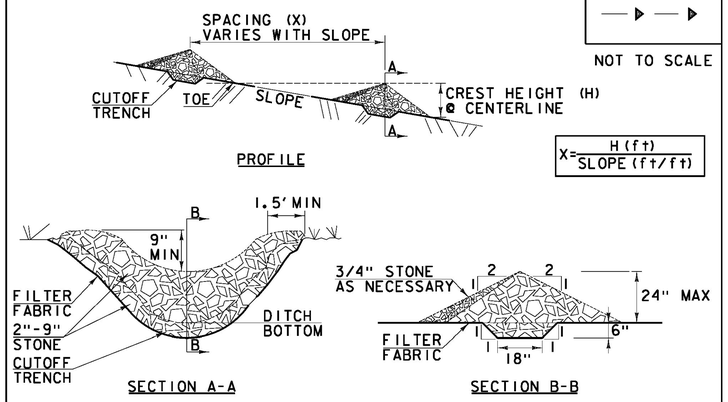


EROSION CONTROL FINAL CONDITIONS SHEET #5	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
	PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_ero_fc_05.dgn	PLOT DATE: 7/12/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
	DWG. NO.: FC-5	SHEET 44 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ero_fc_05.dgn
DATE/TIME = 7/12/2012
USER = 4066

SYMBOL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. CHECK DAMS SHALL BE SPACED SO THAT THE ELEVATION OF THE CREST OFTHE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
3. 3/4" FILTERING STONE MAY BE ADDED TO THE FACE OF THE CHECK DAM AS NECESSARY.
4. EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA 2 ACRES.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CHECK DAM

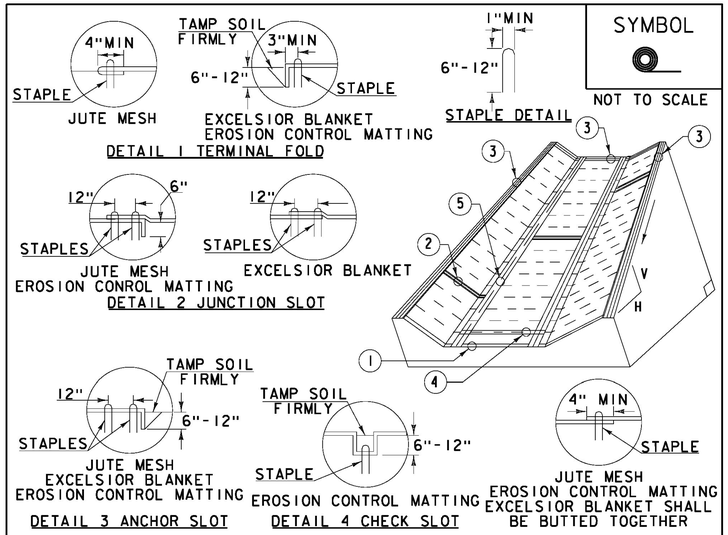
NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR TEMPORARY STONE CHECK DAM, TYPE I (PAY ITEM 653.25)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 8, 2009	WHF

SYMBOL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. EROSION MATTING, CHECK SLOTS, SHALL BE SPACED IN DITCH CHANNEL SO THAT ONE OCCURS WITHIN EACH 50' ON SLOPES OF MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT ONE OCCURS WITHIN EACH 25'.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'X150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ROLLED EROSION CONTROL PRODUCT (RECP) DITCH

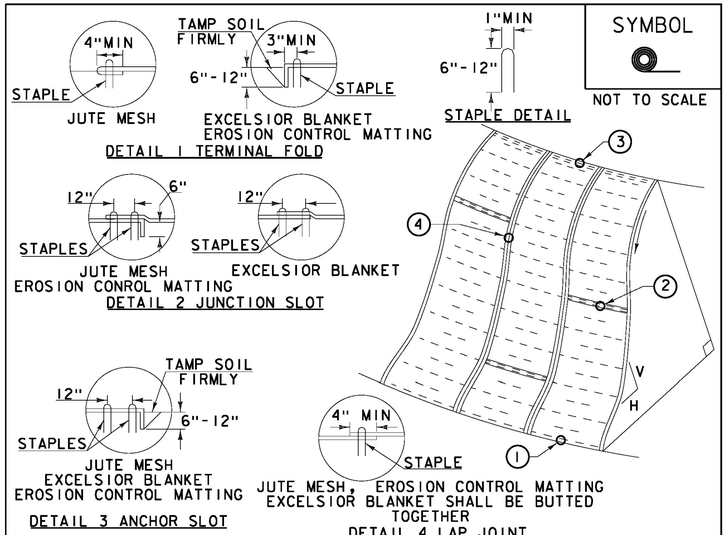
NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION MATTING (PAY ITEM 653.20) ~~OR PERMANENT EROSION MATTING (PAY ITEM 653.21).~~

REVISIONS	
MARCH 8, 2007	JMF
APRIL 16, 2007	WHF
JANUARY 13, 2009	WHF

SYMBOL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. APPLY TO SLOPES GREATER THAN 3H: IV OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'X150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION MATTING (PAY ITEM 653.20) ~~OR PERMANENT EROSION MATTING (PAY ITEM 653.21).~~

REVISIONS	
APRIL 16, 2007	JMF
JANUARY 13, 2009	WHF

EROSION CONTROL DETAILS SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

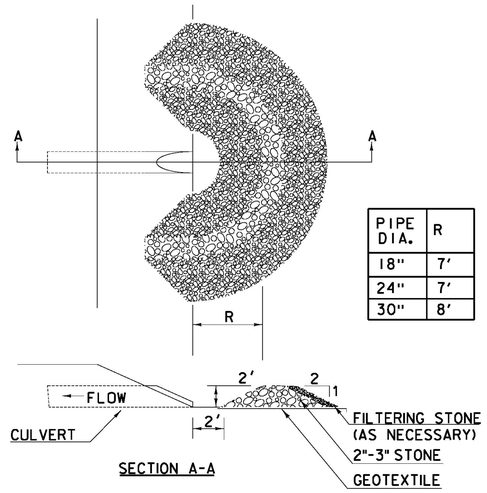
FILE NAME: zl2E008_ecd_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: ECD-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 45 OF 100

FILE NAME = U:\2833W\CADD\MSTN\zl2E008_ecd_01.dgn
DATE/TIME = 7/12/2012
USER = 4866

SYMBOL

NOT TO SCALE



PIPE DIA.	R
18"	7'
24"	7'
30"	8'

CONSTRUCTION SPECIFICATIONS

1. USE 2" TO 3" STONE. FILTERING STONE SHALL BE 3/4".
2. PLACE STONE OVER GEOTEXTILE.
3. ONCE THE AREAS UPSTREAM FROM THE CHECK DAM ARE STABILIZED WITH VEGETATION, THE SEDIMENT TRAPPED BEHIND THE DAM SHAL BE DISPOSED OF IN AN APPROVED WASTE AREA.
4. THE CHECK DAM(S) SHALL BE FLATTENED AND GRADED IN A MANNER WHICH PROTECTS THE AREA FROM EROSION AND CHANNEL BLOCKAGE . (GEOTEXTILE MUST BE REMOVED).
5. THE GEOTEXTILE MUST BE DISPOSED OF APPROPRIATELY.
6. THE AREA CONTRIBUTING TO THE CHECK DAM SHALL NOT EXCEED 4 ACRES.

ADAPTED FROM DETAILS PROVIDED BY: ILLINOIS USDA-NRCS
ORIGINALLY DEVELOPED BY USDA-NRCS

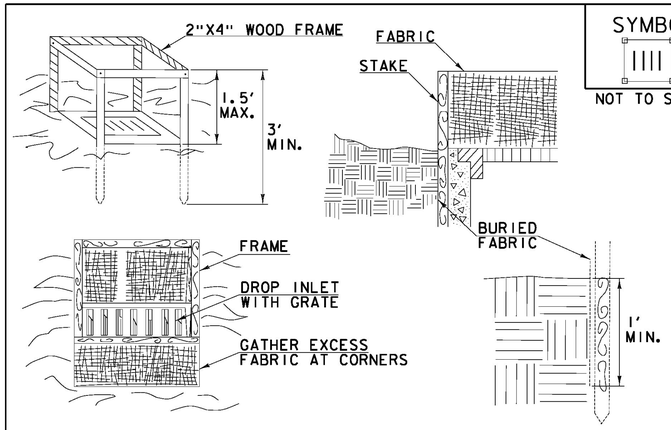
PIPE INLET PROTECTION

REVISIONS	
MARCH 6, 2008	WHF
JANUARY 13, 2009	WHF

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE I (PAY ITEM 653.40).

SYMBOL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
4. SPACE STAKES EVENLY AROUND INLET 3' APART AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
7. MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FILTER FABRIC DROP INLET PROTECTION

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE I (PAY ITEM 653.40).

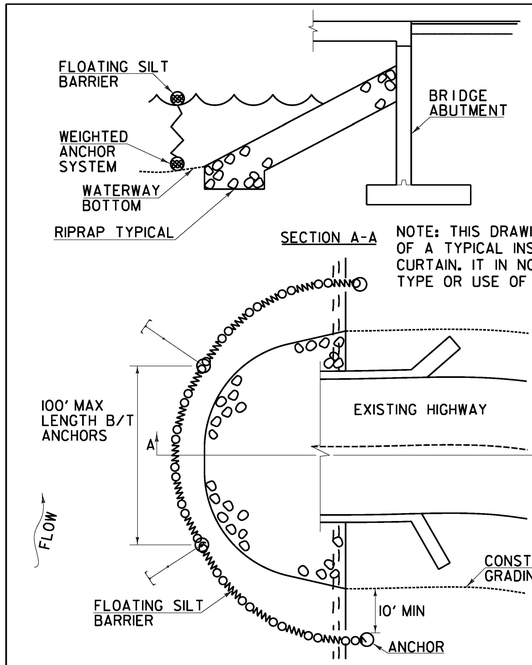
REVISIONS	
MARCH 7, 2008	WHF
JANUARY 13, 2009	WHF

FILE NAME = U:\2033B\CADD\MSTN\z12E008_ecd_02.dgn
DATE/TIME = 7/12/2012
USER = WGP

EROSION CONTROL DETAILS SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ecd_02.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: ECD-2	SHEET 46 OF 100



SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. FILTER CURTAIN SHALL NOT BE PLACED ACROSS A FLOWING WATERWAY, OR IN A WATERWAY WITH STREAM VELOCITIES GREATER THAN 1.5 FEET/SECOND.
2. MAXIMUM 100' LENGTH BETWEEN ANCHORS.
3. LAST SECTION SHALL TERMINATE A MINIMUM OF 10' BEYOND LIMIT OF DISTURBANCE.
4. THE WEIGHTED ANCHOR SYSTEM SHALL BE A TYPE WHICH ALLOWS THE CURTAIN TO CONFORM TO THE BOTTOM OF THE WATERWAY.
5. THE CURTAIN SHALL BE REMOVED BY SLOWLY PULLING TOWARD THE SHORE MINIMIZING THE ESCAPE OF SEDIMENTS INTO WATERWAY.

FILTER CURTAIN

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 FOR GEOTEXTILE FOR FILTER CURTAIN (PAY ITEM 649.61).

REVISIONS	
APRIL 1, 2008	WHF
JANUARY 13, 2009	WHF
SEPTEMBER 4, 2009	WHF

VAOT RURAL AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
37.5%	22.5	45	CREEPING RED FESCUE	85%	98%
37.5%	22.5	45	TALL FESCUE	90%	95%
5.0%	3	6	RED TOP	90%	95%
15.0%	9	18	BIRDSFOOT TREFOIL	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	85%	95%
100%	60	120			

VAOT URBAN AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
42.5%	34	68	CREEPING RED FESCUE	85%	98%
10.0%	8	16	PERENNIAL RYE GRASS	90%	95%
42.5%	34	68	KENTUCKY BLUE GRASS	85%	85%
5.0%	4	8	ANNUAL RYE GRASS	85%	95%
100%	80	160			

SOIL AMENDMENT GUIDANCE

FERTILIZER		LIME	
BROADCAST	HYDROSEED	BROADCAST	HYDROSEED
10-20-10	*FOLLOW*	PELLETIZED	*FOLLOW*
500 LBS/AC	*MANUFACTURER*	2 TONS/AC	*MANUFACTURER*

CONSTRUCTION GUIDANCE

1. RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
2. URBAN SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED LAWN AREAS DISTURBED BY THE CONTRACTOR.
3. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
7. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
8. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

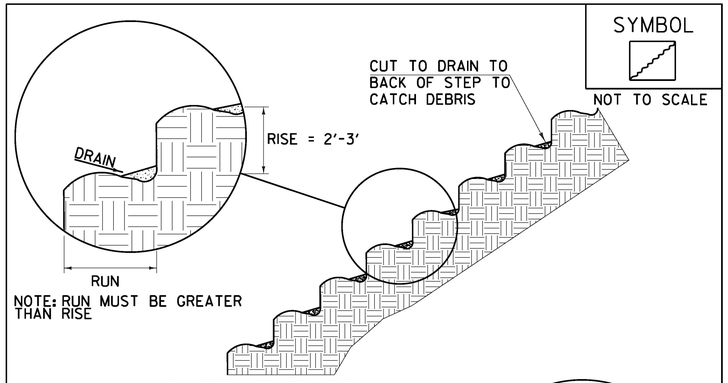
ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

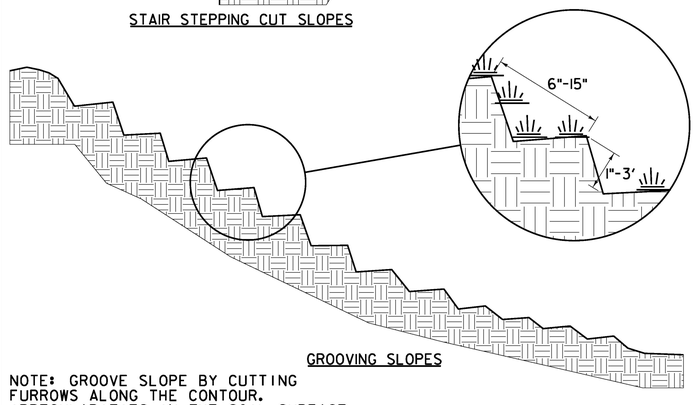
REVISIONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF
FEBRUARY 16, 2011	WHF

SYMBOL

NOT TO SCALE



STAIR STEPPING CUT SLOPES



GROOVING SLOPES

NOTE: GROOVE SLOPE BY CUTTING FURROWS ALONG THE CONTOUR. IRREGULARITIES IN THE SOIL SURFACE CATCH RAINWATER AND RETAIN LIME, FERTILIZER AND SEED.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SURFACE ROUGHENING

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

REVISIONS	
APRIL 1, 2008	WHF
JANUARY 13, 2009	WHF

EROSION CONTROL DETAILS SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

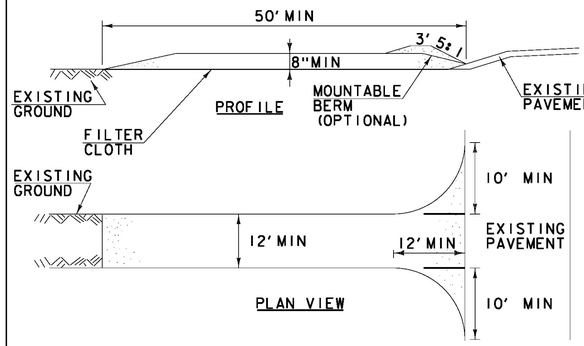
FILE NAME: z12E008_ecd_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: ECD-3

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 47 OF 100

FILE NAME = U:\2013\CADD\MSTN\z12E008_ecd_03.dgn
DATE/TIME = 7/12/2012
USER = 4086

SYMBOL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

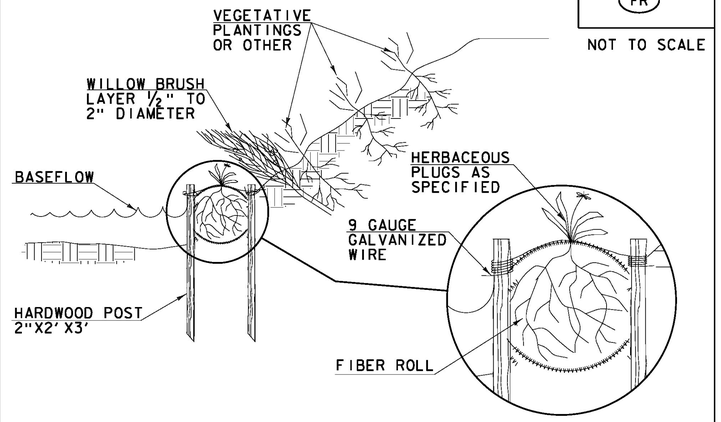
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR VEHICLE TRACKING PAD (PAY ITEM 653.35) OR AS SPECIFIED IN THE CONTRACT.

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

SYMBOL

FR

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS
2. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2"X2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
3. NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
4. PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANTWITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS. VEGETATION SHALL BE PLACED IMMEDIATELY ADJACENT TO THE ROLL TO PROMOTE ROOT GROWTH INTO THE FIBER. HERBACEOUS VEGETATION, IF SPECIFIED, SHALL BE PLANTED INTO THE FIBER ROLL.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FIBER ROLL (EROSION LOG)

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR EROSION LOG (PAY ITEM 653.60)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 13, 2009	WHF

EROSION CONTROL DETAILS SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ecd_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: ECD-4

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 48 OF 100

FILE NAME = U:\2033R\CADD\MSTN\z12E008_ecd_04.dgn
DATE/TIME = 7/12/2012
USER = 4266

N

122+00

123+00

124+00

VT ROUTE 17

125+00

126+00

MATCH LINE STA 126+75, DWG SSP-2

POTTERY PATHWAY

L 2+00

CHIMNEY POINT DRIVEWAY

CP 12+00

CHAIN AND POST FENCE

GRAVEL DRIVE

CP 11+00

CP 8+00

CP 9+00

CP 10+00

VB 5+00

STA CP 11+25.0, RT

SPEED LIMIT 15

MATCH LINE STA CP 12+75, DWG SSP-2

2 STY W/F HOUSE

GRAVEL PARKING AREA

L 2+00

PIER PATHWAY

L 3+00

L 4+00

LAKE CHAMPLAIN

SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————

0 20 40

SCALE IN FEET

SIGNING AND STRIPING SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ssp_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: SSP-1

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 49 OF 100

FILE NAME = U:\2033A\CADD\MSTN\z12E008_ssp_01.dgn
DATE/TIME = 7/12/2012
USER = 4266

N

LAKE CHAMPLAIN

STA 130+32.0, LT
RET Welcome To VERMONT TO QUEBEC BOURTON ROUTE RET RET

STA 130+40.0, LT
RET RET

STA 130+98.0, LT
RET RET

STA 131+58.0, LT
RET RET

STA 130+04.0, LT
RET RET RET

STA 130+44.0, LT
RET RET

STA 131+02.0, LT
RET RET

STA 131+62.0, LT
RET RET

STA 129+06.0, LT
RET SPEED LIMIT 30 RET

STA 132+02.0, LT
RET RET AHEAD RET

130+00
129+00
131+00
128+00
127+00
132+00

VT ROUTE 17

UE

GRAVEL DRIVE

STA 131+05.0, RT
RET EAST VERMONT 17 RET

CP 15+00
NF 11+00
CP 14+00
NF 12+00
CP 13+00

SHED
1½ STORY WOOD FRAME
LAWN AREA

STA 132+17.0, RT
RET JCT VERMONT 125 RET

CHAIN AND POST FENCE

FLAGSTONE PATHWAY
LAWN AREA

STA 129+15.0, RT
RET 6170 0101 0020 RET

STA 129+91.0, RT
RET RET RET

CP 16+00
CHIMNEY POINT DRIVEWAY
CP 17+00

ISTY GARAGE

AGRICULTURAL FIELD

STA 127+52.0, RT
RET STATE HIGHWAY BEGINS B-B STATE HIGHWAY ENDS RET
RET SPEED LIMIT 30 RET

STA 127+97.0, RT
RET RET AHEAD RET

MATCH LINE STA 126+75, DWG SSP-1

MATCH LINE STA CP 12+75, SEE DWG SSP-1

MATCH LINE STA CP 17+25, DWG SSP-3

MATCH LINE STA 132+25, DWG SSP-3

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ——————

0 20 40
SCALE IN FEET

SIGNING AND STRIPING SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ssp_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: SSP-2

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 50 OF 100

FILE NAME = U:\2012\CADD\MSTN\z12E008_ssp_02.dgn
DATE/TIME = 7/12/2012
USER = 4866

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR STATE HIGHWAYS)
ADDISON:
STA 133+50.00 - STA 137+50.00 LT & RT
STA V 11+50.00 - STA V 13+70.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR STATE HIGHWAYS) S=SOLID, D=DASHED

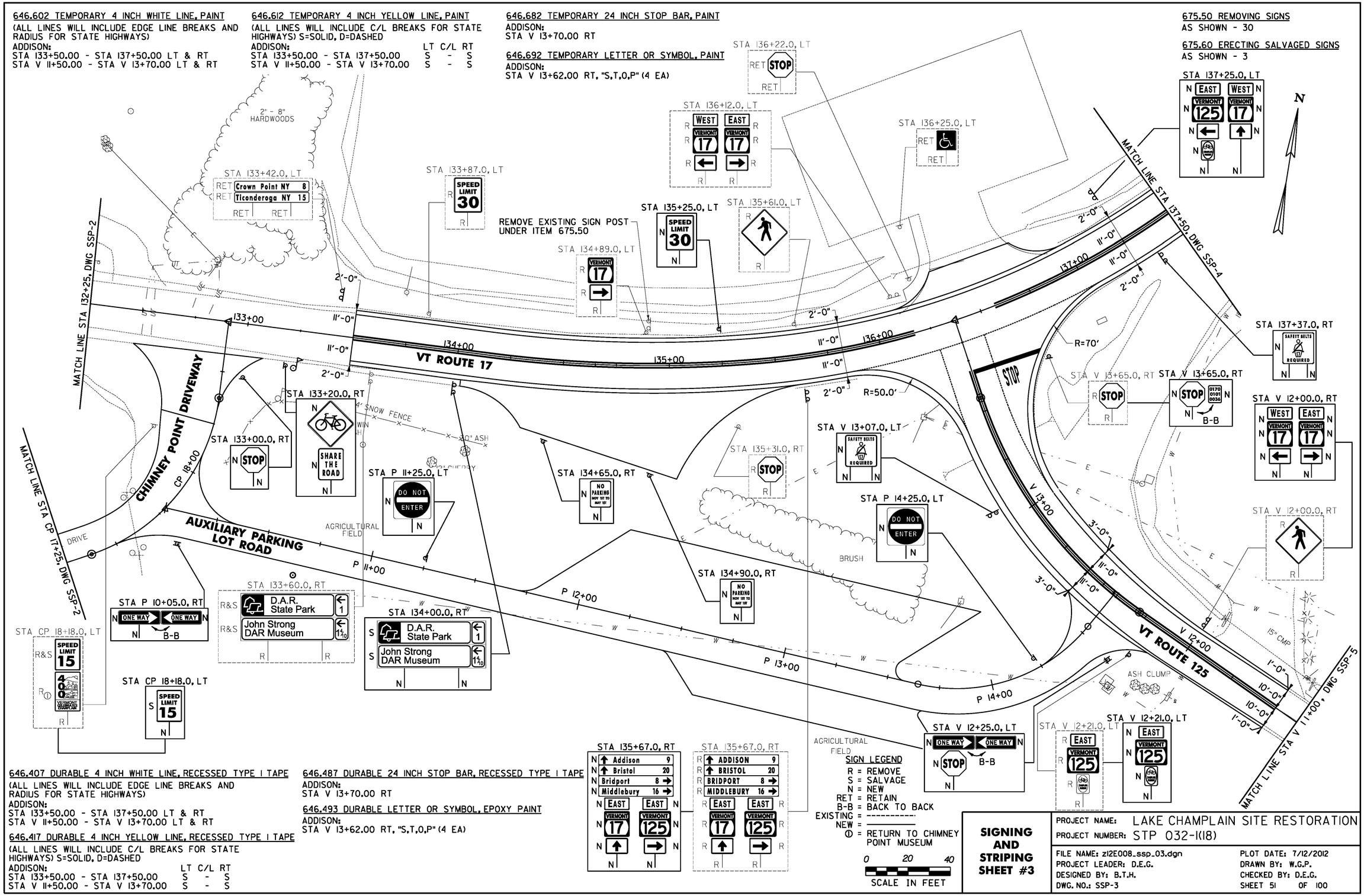
ADDISON:	LT	C/L	RT
STA 133+50.00 - STA 137+50.00	S	-	S
STA V 11+50.00 - STA V 13+70.00	S	-	S

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
ADDISON:
STA V 13+70.00 RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
ADDISON:
STA V 13+62.00 RT, "S,T,0,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 30

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 3



646.407 DURABLE 4 INCH WHITE LINE, RECESSED TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR STATE HIGHWAYS)
ADDISON:
STA 133+50.00 - STA 137+50.00 LT & RT
STA V 11+50.00 - STA V 13+70.00 LT & RT

646.417 DURABLE 4 INCH YELLOW LINE, RECESSED TYPE I TAPE
(ALL LINES WILL INCLUDE C/L BREAKS FOR STATE HIGHWAYS) S=SOLID, D=DASHED

ADDISON:	LT	C/L	RT
STA 133+50.00 - STA 137+50.00	S	-	S
STA V 11+50.00 - STA V 13+70.00	S	-	S

646.487 DURABLE 24 INCH STOP BAR, RECESSED TYPE I TAPE
ADDISON:
STA V 13+70.00 RT

646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
ADDISON:
STA V 13+62.00 RT, "S,T,0,P" (4 EA)

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ——————
① = RETURN TO CHIMNEY POINT MUSEUM

0 20 40
SCALE IN FEET

SIGNING AND STRIPING SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ssp_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: SSP-3
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 51 OF 100

FILE NAME = U:\2033R\CADD\MSTN\z12E008_ssp_03.dgn
DATE/TIME = 7/12/2012
USER = 4066

646.407 DURABLE 4 INCH WHITE LINE, RECESSED TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR STATE HIGHWAYS)
ADDISON:
STA 137+50.00 - STA 141+75.00 LT & RT

646.417 DURABLE 4 INCH YELLOW LINE, RECESSED TYPE I TAPE
(ALL LINES WILL INCLUDE C/L BREAKS FOR STATE HIGHWAYS) S=SOLID, D=DASHED

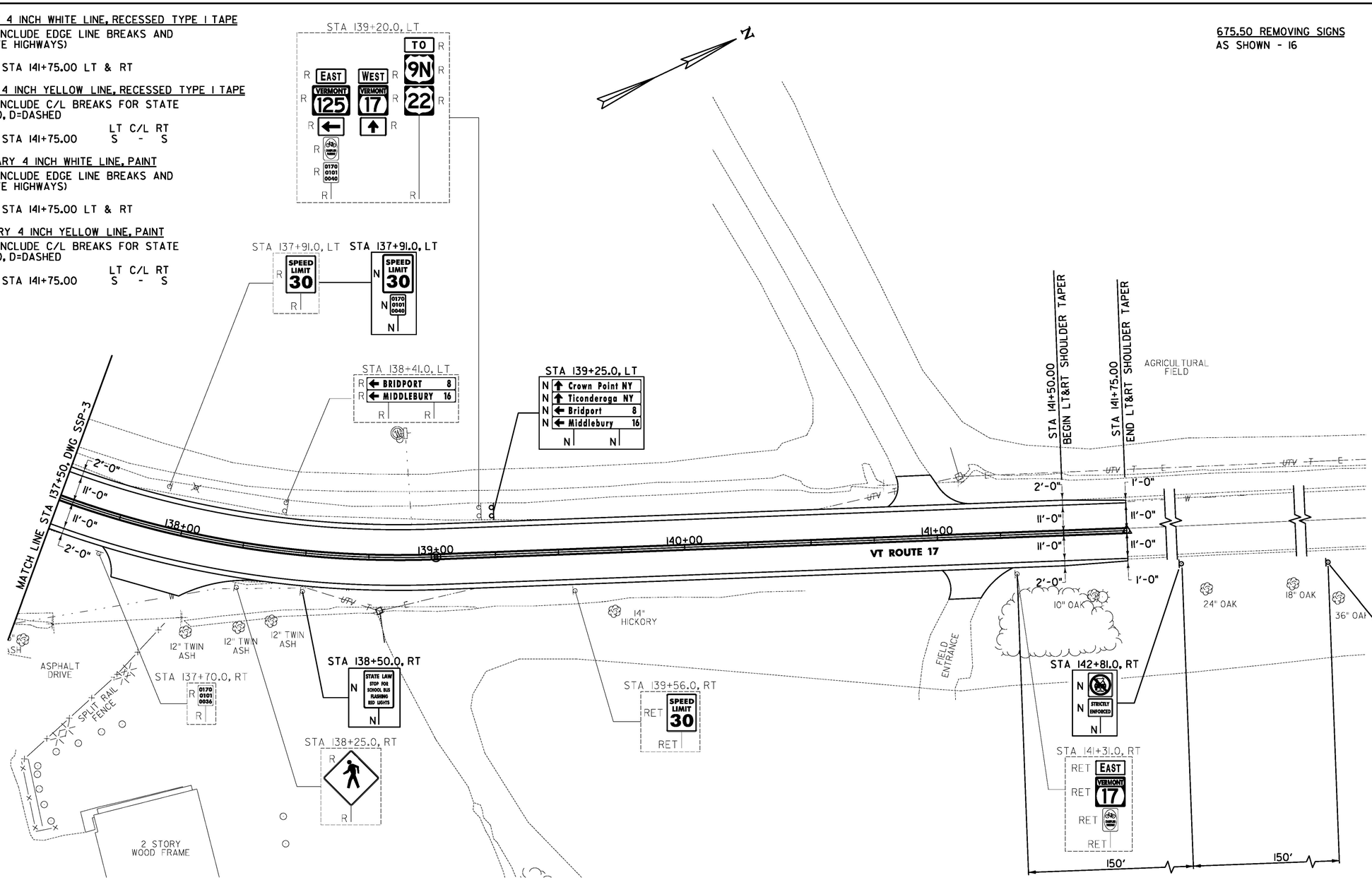
ADDISON:	LT	C/L	RT
STA 137+50.00 - STA 141+75.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR STATE HIGHWAYS)
ADDISON:
STA 137+50.00 - STA 141+75.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR STATE HIGHWAYS) S=SOLID, D=DASHED

ADDISON:	LT	C/L	RT
STA 137+50.00 - STA 141+75.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 16



SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ——————

0 20 40
SCALE IN FEET

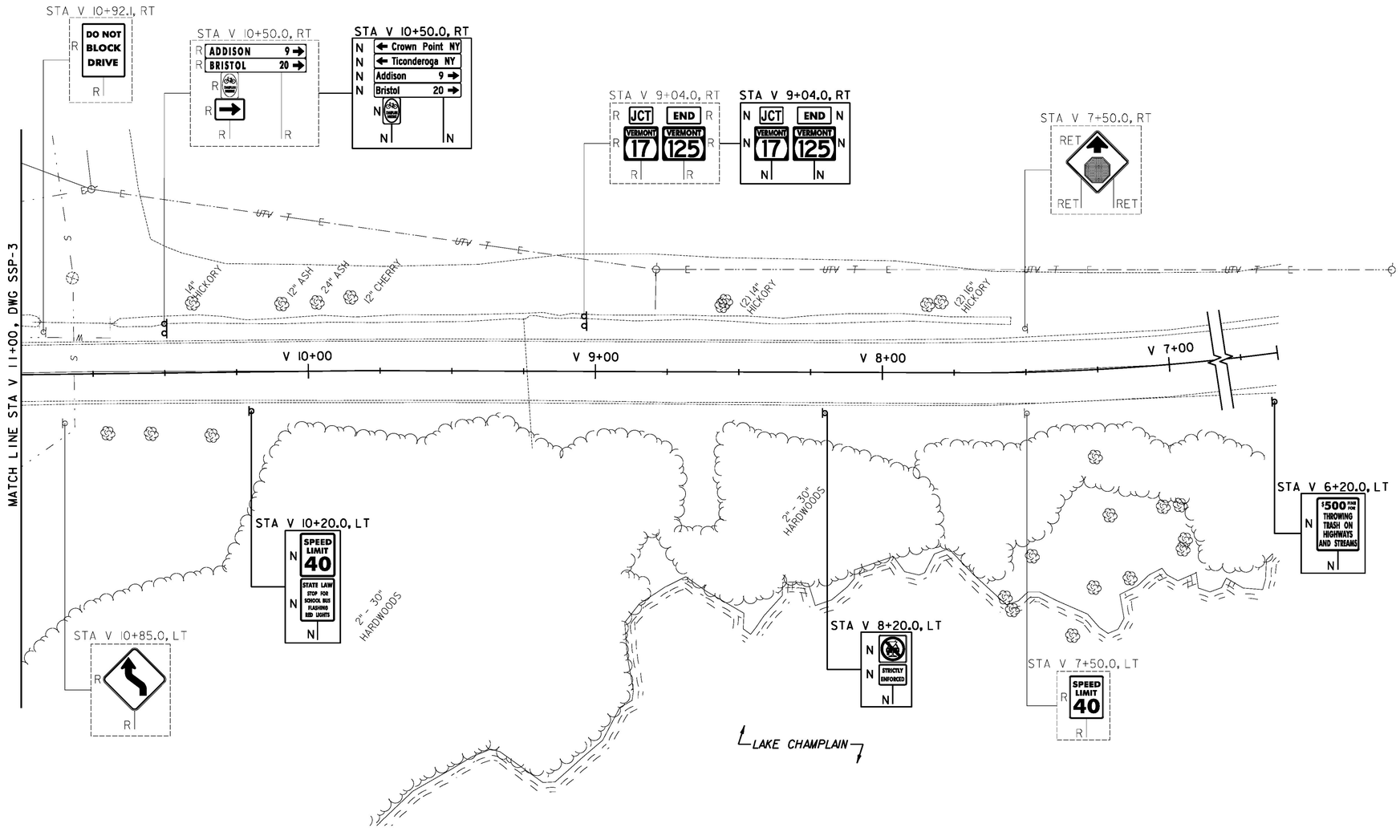
SIGNING AND STRIPING SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ssp_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: SSP-4
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 52 OF 100

FILE NAME = U:\2033O\CADD\MSTN\z12E008_ssp_04.dgn
DATE/TIME = 7/12/2012
USER = 4066

675.50 REMOVING SIGNS
AS SHOWN - II



SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————

0 20 40
SCALE IN FEET

SIGNING AND STRIPING SHEET #5

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_ssp_05.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: SSP-5	SHEET 53 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_ssp_05.dgn
DATE/TIME = 7/12/2012
USER = 4066

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
ADDISON: 133+00.0, RT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE RI-1	X		
133+20.0, RT		1	30	30	6.25						1						X	X															SIGN ID CODE WII-1 SIGN SHALL BE FLUORESCENT YELLOW-GREEN	X		
	SHARE THE ROAD	1	18	24	3.00																											SIGN ID CODE WI6-IP SIGN SHALL BE FLUORESCENT YELLOW-GREEN	X		
134+00.0, RT	D.A.R. State Park ← 1						1				2					X		X															SALVAGED SIGN TO BE MOUNTED ON NEW POSTS			
	John Strong DAR Museum ← 1 1/10						1																									SALVAGED SIGN TO BE MOUNTED ON NEW POSTS			
134+65.0, RT	NO PARKING NOV 1ST TO MAY 1ST	1	12	18	1.50						1				X			X															SIGN ID CODE R7-3	X		
134+90.0, RT	NO PARKING NOV 1ST TO MAY 1ST	1	12	18	1.50						1				X			X															SIGN ID CODE R7-3	X		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												LF	LF	LF	LF 28	LF 42	LF 14		EA.	LB	LB	LB		LB	LB	LB	LB									
	TOTALS				SF 18.50	SF	EA. 2	SF				LF			LF 84					LB			EA.	LB				EA.	EA.	LB						

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_tss_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: TSS-1
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 54 OF 100

FILE NAME = u:\2020\CADD\MSTN\z12E008_tss_01.dgn
DATE/TIME = 7/12/2012
USER = 4066

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) lb/ft FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN RECOVERED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
ADDISON: 135+25.0, LT	SPEED LIMIT 30	1	24	30	5.00						1					X		X														SIGN ID CODE R2-1	X		
135+67.0, RT	Addison 9	1	72	12	6.00						2												2	206.8								SIGN ID CODE D1-1a		60	
	Bristol 20	1	72	12	6.00																											SIGN ID CODE D1-1a		60	
	Bridport 8	1	72	12	6.00																											SIGN ID CODE D1-1a		60	
	Middlebury 16	1	72	12	6.00																											SIGN ID CODE D1-1a		60	
	EAST EAST	1 1	24 24	12 12	2.00 2.00																										X	SIGN ID CODE M3-2 SIGN ID CODE M3-2			E-136B E-136B
	VERMONT 17 VERMONT 125	1 1	24 30	24 24	4.00 5.00																											SIGN ID CODE MI-5 SIGN ID CODE MI-5			E-136B E-136B
		1 1	21 21	15 15	2.19 2.19																											SIGN ID CODE M6-3 SIGN ID CODE M6-1R			E-136B E-136B
137+25.0, LT	EAST WEST	1 1	24 24	12 12	2.00 2.00						2					X		X														X	SIGN ID CODE M3-2 SIGN ID CODE M3-4			E-136B E-136B
	VERMONT 125 VERMONT 17	1 1	30 24	24 24	5.00 4.00																											SIGN ID CODE MI-5 SIGN ID CODE MI-5			E-136B E-136B
		1 1	21 21	15 15	2.19 2.19																											SIGN ID CODE M6-1L SIGN ID CODE M6-3			E-136B E-136B
		1	12	18	1.50																											SIGN ID CODE VD-503			E-131B
137+37.0, RT	SAFETY BELTS REQUIRED	1	36	36	9.00						2					X		X																	60	
												LF	LF	LF	LF	LF 70	LF		EA.	LB	LB	LB		LB 206.8	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		**TOTALS**	SF 74.26	SF	EA.	SF			LF			LF 70				LB		EA. 2		LB 206.8			EA.	EA.	LB							

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zi2E008_tss_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: TSS-2
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 55 OF 100

FILE NAME = U:\2833R\CADD\MSTN\zi2E008_tss_02.dgn
DATE/TIME = 7/12/2012
USER = 4666

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) lb/ft FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
ADDISON: 137+91.0, LT	SPEED LIMIT 30	1	24	30	5.00						1					X		X														SIGN ID CODE R2-1	X		
	0170 0101 0040	1	6	10	0.42																											SIGN ID CODE VD-700			E-138
138+50.0, RT	STATE LAW STOP FOR SCHOOL BUS FLASHING RED LIGHTS	1	24	30	5.00						1					X		X														SIGN ID CODE VR-048			E-144
139+25.0, LT	↑ Crown Point NY	1	72	12	6.00						2												2	190.0								SIGN ID CODE DI-1		60	
	↑ Ticonderoga NY	1	72	12	6.00																											SIGN ID CODE DI-1		60	
	← Bridport 8	1	72	12	6.00																											SIGN ID CODE DI-1a		60	
	← Middlebury 16	1	72	12	6.00																											SIGN ID CODE DI-1a		60	
142+81.0, RT		1	24	24	4.00						1					X		X														SIGN ID CODE VR-654			E-143
	STRICTLY ENFORCED	1	24	18	3.00																													60		
144+31.0, RT	$500 FINE FOR THROWING TRASH ON HIGHWAYS AND STREAMS	1	24	30	5.00						1					X		X														SIGN ID CODE VR-023b			E-144
V 6+20.0, LT	$500 FINE FOR THROWING TRASH ON HIGHWAYS AND STREAMS	1	24	30	5.00						1					X		X														SIGN ID CODE VR-023b			E-144
												LF	LF	LF	LF	LF 70	LF		EA.	LB	LB	LB		LB 190.0	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		**TOTALS**	SF 51.42	SF	EA.	SF			LF			LF 70							LB			EA. 2	LB 190.0				EA.	EA.	LB						

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zi2E008_tss_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: TSS-3
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 56 OF 100

FILE NAME = U:\2033D\CADD\MSTN\zi2E008_tss_03.dgn
DATE/TIME = 7/12/2012
USER = 4066

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REMOVED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
ADDISON: V 8+20.0, LT		1	24	24	4.00						1					X		X															SIGN ID CODE VR-654			E-143
	STRICTLY ENFORCED	1	24	18	3.00																														60	
V 9+04.0, RT	JCT END	1 1	21 24	15 12	2.19 2.00						2					X		X															X	SIGN ID CODE M2-1 SIGN ID CODE M4-6			E-136B E-136B
	VERMONT 17 VERMONT 125	1 1	24 30	24 24	4.00 5.00																												SIGN ID CODE MI-5 SIGN ID CODE MI-5			E-136B E-136B
V 10+20.0, LT	SPEED LIMIT 40	1	24	30	5.00						1					X		X																SIGN ID CODE R2-1	X		
	STATE LAW STOP FOR SCHOOL BUS FLASHING RED LIGHTS	1	24	30	5.00																													SIGN ID CODE VR-048			E-144
V 10+50.0, RT	← Crown Point NY	1	72	12	6.00						2												2	193.4										SIGN ID CODE DI-1		60	
	← Ticonderoga NY	1	72	12	6.00																													SIGN ID CODE DI-1		60	
	Addison 9 →	1	72	12	6.00																													SIGN ID CODE DI-1a		60	
	Bristol 20 →	1	72	12	6.00																													SIGN ID CODE DI-1a		60	
		1	12	18	1.50																													SIGN ID CODE VD-503			E-131B
												LF	LF	LF	LF	LF 56	LF	EA.	LB	LB	LB		LB 193.4	LB	LB	LB									
TOTALS			SF 55.69	SF	EA.	SF						LF			LF 56				LB			EA. 2	LB 193.4				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zi2E008_tss_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: TSS-4

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 57 OF 100

FILE NAME = u:\2020\CADD\MSTN\zi2E008_tss_04.dgn
DATE/TIME = 7/12/2012
USER = 4066

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 5

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
ADDISON: V 12+00, RT	WEST EAST	1	24	12	2.00						2					X		X														X	SIGN ID CODE M3-4			E-136B
		1	24	12	2.00																												SIGN ID CODE M3-2			E-136B
	VERMONT 17 VERMONT 17	1	24	24	4.00																												SIGN ID CODE MI-5			E-136B
		1	24	24	4.00																												SIGN ID CODE MI-5			E-136B
		1	21	15	2.19																												SIGN ID CODE M6-IL			E-136B
		1	21	15	2.19																												SIGN ID CODE M6-IR			E-136B
V 12+21.0, LT	EAST	1	24	12	2.00						1					X		X															SIGN ID CODE M3-2			E-136B
	VERMONT 125	1	30	24	5.00																												SIGN ID CODE MI-5			E-136B
		1	12	18	1.50																												SIGN ID CODE VD-503			E-131B
V 12+25.0, LT	ONE WAY ONE WAY	1	36	12	3.00						1					X		X															BACK-TO-BACK SIGN ID CODE R6-IR SIGN ID CODE R6-IL	X X		
		1	36	12	3.00																															
	STOP	1	30	30	6.25																												SIGN ID CODE RI-1	X		
V 13+07.0, LT	SAFETY BELTS & REQUIRED	1	36	36	9.00						2					X		X																	60	
V 13+65.0, RT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE RI-1	X		
	0170 0101 0036	1	6	10	0.42																												SIGN ID CODE VD-700			E-138
P 10+05.0, RT	ONE WAY ONE WAY	1	36	12	3.00						1					X		X															BACK-TO-BACK SIGN ID CODE R6-IR SIGN ID CODE R6-IL	X X		
		1	36	12	3.00																															
												LF	LF	LF	LF	LF 112	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 58.80	SF	EA.	SF				LF			LF 112					LB			EA.	LB				EA.	EA.	LB						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zi2E008_tss_05.dgn — PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G. — DRAWN BY: W.G.P.
DESIGNED BY: B.T.H. — CHECKED BY: D.E.G.
DWG. NO.: TSS-5 — SHEET 58 OF 100

FILE NAME = U:\2020\CADD\MSTN\zi2E008_tss_05.dgn
DATE/TIME = 7/12/2012
USER = 4066

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) lb/ft FOUNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
ADDISON: P 11+25.0, LT	DO NOT ENTER	1	30	30	6.25						1					X		X														SIGN ID CODE R5-1	X		
P 14+25.0, LT	DO NOT ENTER	1	30	30	6.25						1					X		X														SIGN ID CODE R5-1	X		
CP 11+25.0, RT	SPEED LIMIT 15	1	24	30	5.00						1					X		X														SIGN ID CODE R2-1	X		
CP 18+18.0, LT	SPEED LIMIT 15						1				1					X		X														SALVAGED SIGN TO BE MOUNTED ON NEW POST.			
	SUBTOTAL THIS SHEET				17.50		1									56																					
	SHEET 54 SUBTOTAL				18.50		2								28	42	14																					
	SHEET 55 SUBTOTAL				74.26											70								2	206.8												
	SHEET 56 SUBTOTAL				51.42											70								2	190.0												
	SHEET 57 SUBTOTAL				55.69											56								2	193.4												
	SHEET 58 SUBTOTAL				58.80											112																					
	ROUNDING				0.83		-								2	4	6							-	9.8												
												LF	LF	LF	LF	LF	LF		EA.	LB	LB	LB		LB	LB	LB	LB										
															30	410	20								600												
	TOTALS	SF	SF	EA.	SF							LF			LF					LB			EA.	LB				EA.	EA.	LB						
		277		3											460								6	600												

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

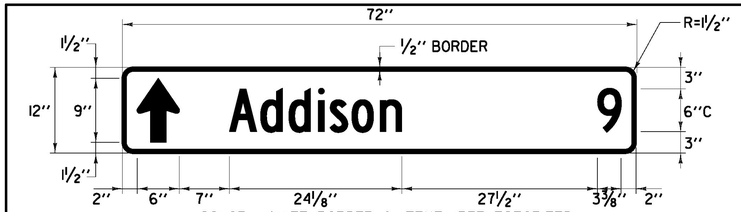
TRAFFIC SIGN SUMMARY SHEET #6

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zi2E008_tss_06.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: TSS-6

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 59 OF 100

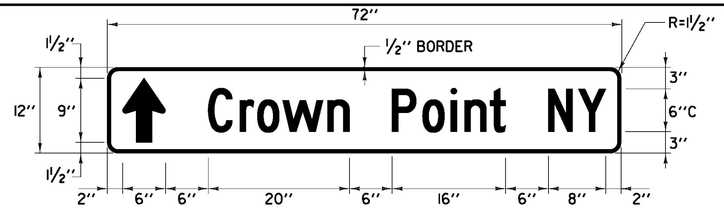
FILE NAME = U:\2020\CADD\MSTN\zi2E008_tss_06.dgn
DATE/TIME = 7/12/2012
USER = 4066



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

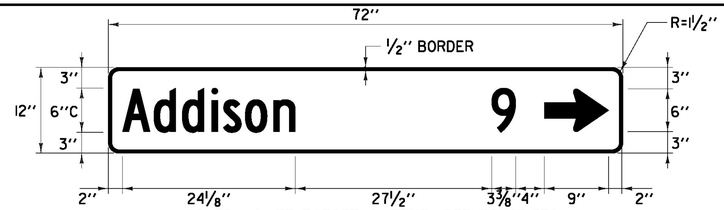
LOCATION: STA 135+67.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

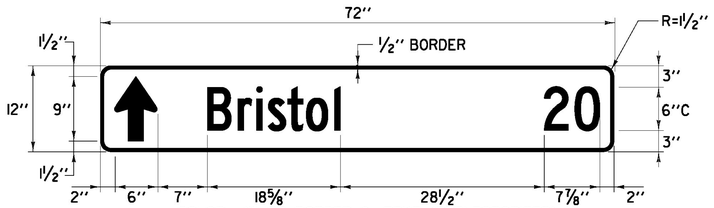
LOCATION: STA 139+25.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

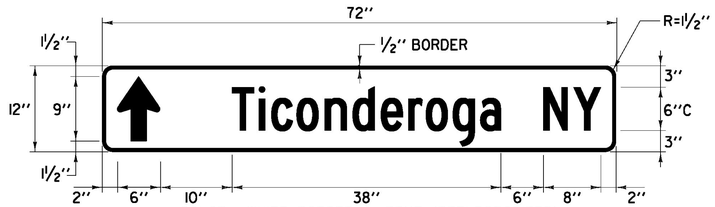
LOCATION: STA V 10+50.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

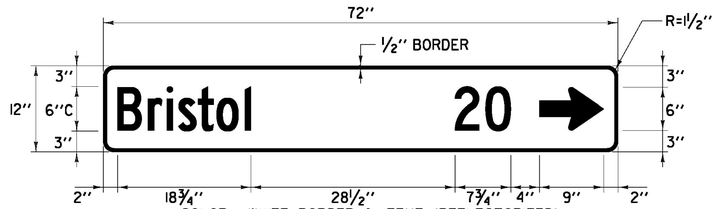
LOCATION: STA 135+67.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

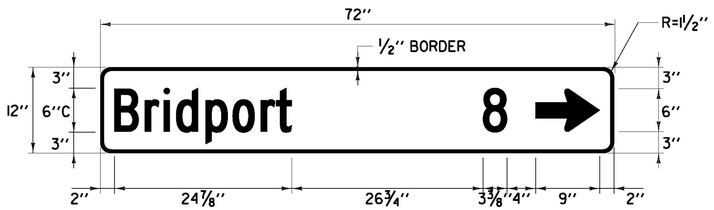
LOCATION: STA 139+25.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

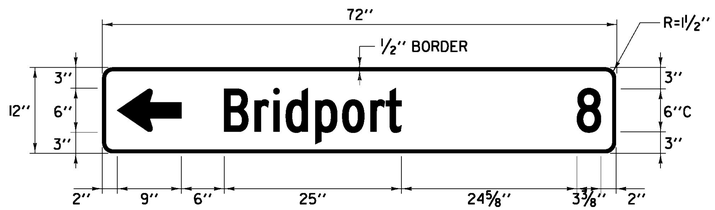
LOCATION: STA V 10+50.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

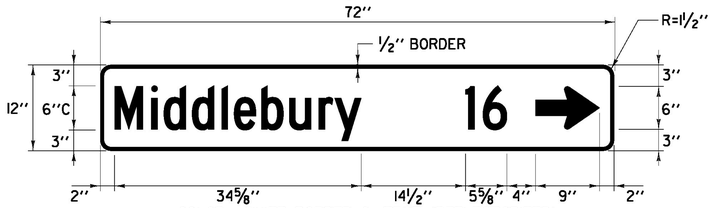
LOCATION: STA 135+67.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

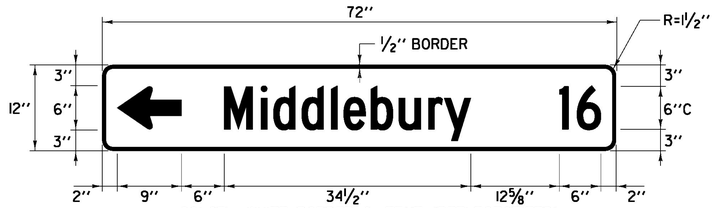
LOCATION: STA 139+25.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

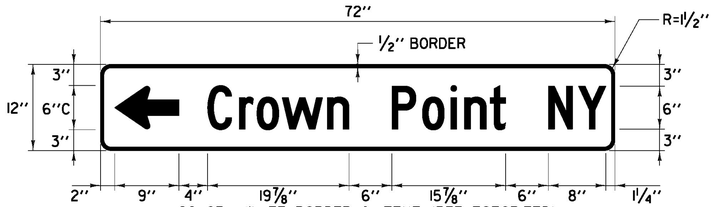
LOCATION: STA 135+67.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

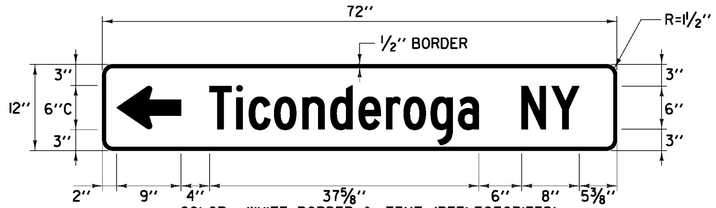
LOCATION: STA 139+25.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

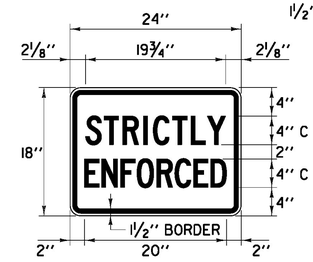
LOCATION: STA V 10+50.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

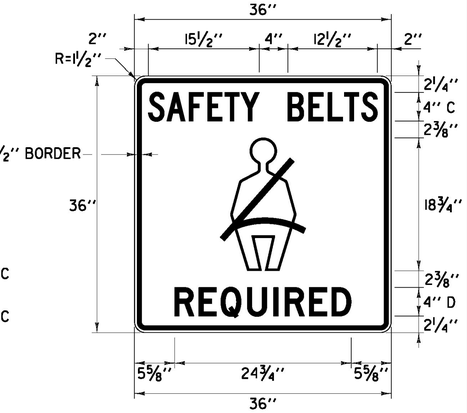
LOCATION: STA V 10+50.0, RT



COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-141

LOCATION: STA V 8+20.0, LT
STA 142+81.0, RT



COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-141

LOCATION: STA V 13+07.0, LT
STA 137+37.0, RT

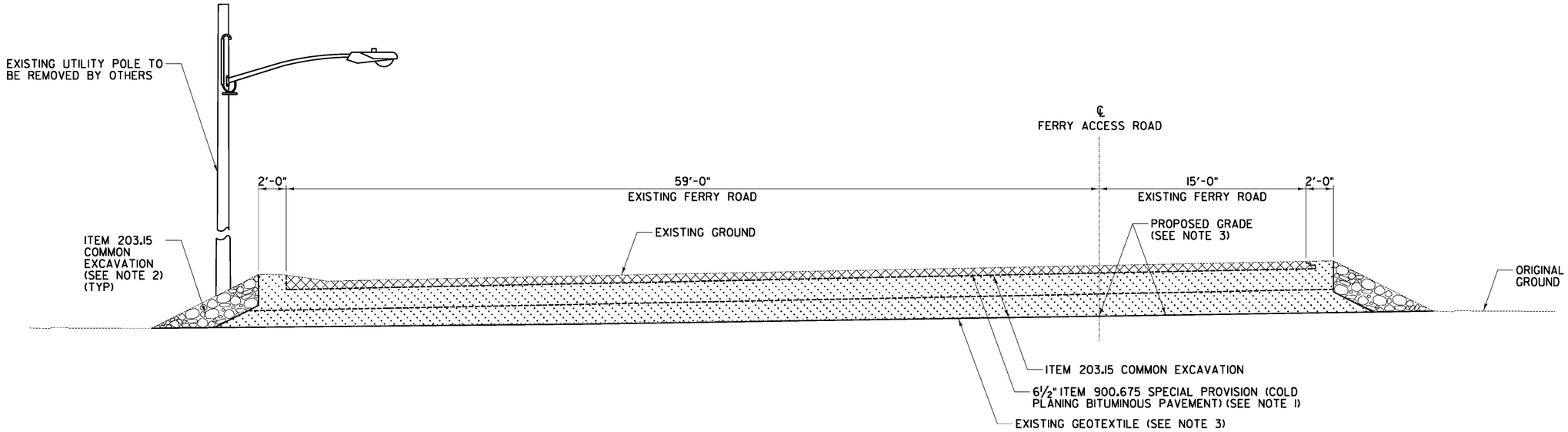
NOT TO SCALE

TRAFFIC SIGN DETAILS SHEET

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_tsd_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: TSD-1	SHEET 60 OF 100

FILE NAME = U:\2013\CADD\MSTN\z12E008_tsd_01.dgn
DATE/TIME = 7/12/2012
USER = #286



FERRY ACCESS ROAD REMOVAL SECTION

STA VF 17+59.0 +/- TO STA VF 21+23.0 +/-

FERRY REMOVAL STIPULATIONS:

1. REMOVAL OF MATERIAL SHALL BE DONE METHODOLOGICALLY WORKING FROM THE BEACH END BACK TOWARD THE ROAD AND ALL EQUIPMENT SHALL REMAIN ON THE EXISTING FERRY APPROACH DURING THE REMOVAL PROCESS.
2. NO EQUIPMENT SHALL BE ALLOWED ON THE EXISTING GROUND SURFACE AT ANY TIME FOR ANY REASON WITHOUT PRIOR WRITTEN APPROVAL BY THE VTRANS ARCHAEOLOGY OFFICER AND WITHOUT GROUND PROTECTION MEASURES.
3. FERRY APPROACH MATERIAL SHALL BE REMOVED IN A MANNER THAT DOES NOT IMPACT THE EXISTING GROUND SURFACE AND WILL FOLLOW THE PROTOCOL OUTLINED BELOW:
   A. ASPHALT AND SUBBASE SHALL BE REMOVED TO A MINIMUM OF 6" ABOVE THE GEOTEXTILE FABRIC TAKING CARE TO NOT PUNCTURE THE GEOTEXTILE FABRIC AND USING A FLAT-BOTTOM BUCKET WHEN NECESSARY TO ACHIEVE THIS.
   B. REMAINING MATERIAL SHALL BE REMOVED WITH A METHOD THAT DOES NOT PUNCTURE THE GEOTEXTILE FABRIC (FLAT-BOTTOM BUCKET, SMALLER EQUIPMENT AND BY HAND USING SHOVELS).
   C. GEOTEXTILE FABRIC SHALL BE REMOVED BY SMALL MACHINES AND BY HAND USING WOOD FRAMING AS A SUPPORT TO ROLL FABRIC BACK ON ITSELF.
4. ALL OF THE ABOVE WORK SHALL BE MONITORED BY AN ARCHAEOLOGY MONITOR AS DIRECTED BY THE VTRANS ARCHAEOLOGY OFFICER.
5. A POST-USE ARCHAEOLOGICAL STUDY SHALL BE UNDERTAKEN BY THE VTRANS ARCHAEOLOGICAL CONSULTANT AND DIRECTED BY VTRANS ARCHAEOLOGY OFFICER AS REFERENCED IN THE ADDISON-CROWN POINT NY STP VTNY(2) SECTION 106 NAE LETTER DATED 11-10-2009 ONCE ALL MATERIAL HAS BEEN REMOVED FROM THE APPROACH AREA AND AS SOON AS WEATHER PERMITS.
6. AFTER THE POST-USE ARCHAEOLOGICAL STUDY HAS BEEN COMPLETED, THE EXISTING GROUND SHALL BE RESTORED TO ITS ORIGINAL CONDITION. THIS RESTORATION SHALL TAKE PLACE IN CONSULTATION WITH THE DEPARTMENT OF FORESTS, PARKS AND RECREATION.
7. EPSC MEASURES IN ARCHAEOLOGICAL SITE AREAS SHALL CONSIST OF ABOVE-GROUND MEASURES ONLY SECURED WITH STAKES. NO SILT FENCING OR ANY METHOD THAT INVOLVES DIGGING SHALL BE USED ANYWHERE WITHIN THE ARCHAEOLOGICAL SITE AREAS.
8. EPSC MEASURES MUST BE APPROVED BY THE VTRANS ARCHAEOLOGY OFFICER PRIOR TO IMPLEMENTATION.
9. FINAL PROJECT PLANS AND ANY SUBSEQUENT CHANGES SHALL BE SUBJECT TO REVIEW AND WRITTEN APPROVAL BY THE VTRANS ARCHAEOLOGY OFFICER BEFORE WORK BEGINS.

NOTES:

1. THE EXISTING PAVEMENT ALONG THE FERRY ACCESS ROAD SHALL BE REMOVED BY COLD PLANING METHODS. ALL COLD PLANING ASPHALT MATERIAL SHALL BE DELIVERED TO THE VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. THE EXISTING STONE FILLING SLOPE PROTECTION MATERIAL ALONG THE FERRY ACCESS ROADS SHALL BE REMOVED. THE STONE FILLING MATERIAL MAY BE REUSED ON-SITE IN LOCATIONS REQUIRING STONE FILLING OF THE SAME SPECIFIED SIZE AS APPROVED BY THE ENGINEER. ALL EXCESS STONE FILLING SLOPE PROTECTION MATERIAL SHALL BE DELIVERED TO THE VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. THE PROPOSED FINISHED GRADE ALONG THE FERRY ACCESS ROAD SHALL CLOSELY MATCH THE PRE-FERRY CONSTRUCTION ORIGINAL GRADE. THE EXCAVATION LIMIT IS DELINEATED BY A LAYER OF GEOTEXTILE PLACED PRIOR TO THE FERRY ACCESS ROADWAY EMBANKMENT CONSTRUCTION. REFER TO THE FERRY REMOVAL STIPULATIONS SUMMARIZED ON THIS SHEET FOR SPECIFIC DETAILS AND RESTRICTIONS THAT SHALL BE ADHERED TO WHILE PERFORMING THIS WORK. ADDITIONALLY, REFER TO THE SPECIAL PROVISIONS FOR FURTHER ARCHAEOLOGICAL STIPULATIONS AND DETAILS ASSOCIATED WITH THIS RESTORATION PROJECT.

LEGEND	
	PAY LIMITS - ITEM 900.675 SPECIAL PROVISION (COLD PLANING BITUMINOUS PAVEMENT)
	PAY LIMITS - ITEM 203.15

NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_msd_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: MD-1	SHEET 61 OF 100

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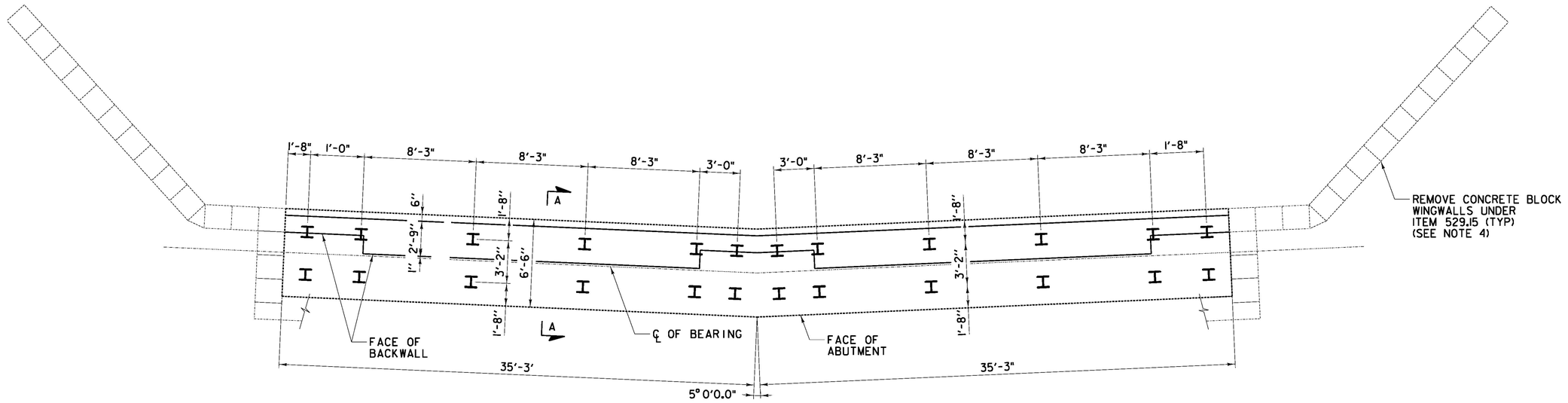
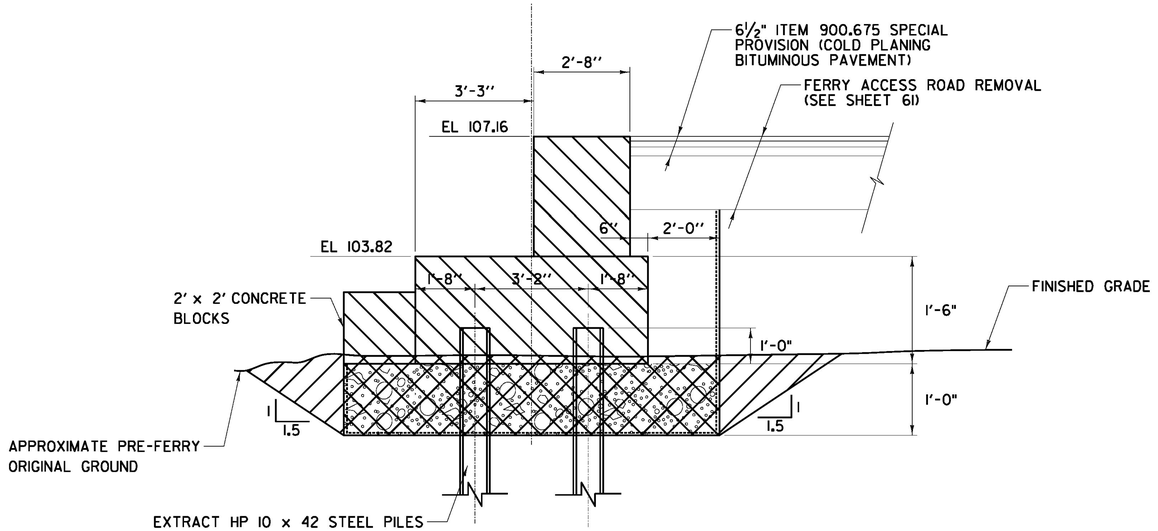
DATE/TIME = 7/12/2012
USER = 4866



PLAN



SECTION A - A

FERRY ABUTMENT REMOVAL DETAIL

NOTES:

1. ALL ELECTRONIC AND MECHANICAL EQUIPMENT USED FOR THE OPERATION OF THE FERRY TERMINAL SHALL BE CAREFULLY DISASSEMBLED AND REMOVED. EQUIPMENT SHALL BE DELIVERED TO THE VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF ITEM 529.15.
2. ALL EXCAVATION REQUIRED TO REMOVE FERRY ABUTMENT SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 529.15.
3. ALL ABUTMENT DIMENSIONS SHOWN ARE APPROXIMATE AND WERE DETERMINED FROM FERRY TERMINAL CONSTRUCTION DRAWINGS.
4. CONCRETE BLOCKS AND STEEL PILES SHALL BE DELIVERED TO THE VTRANS DISTRICT 5 NEW HAVEN MAINTENANCE FACILITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

REMOVE UNDER ITEM 529.15 (SEE NOTE 2)

EARTH BORROW ITEM 203.30

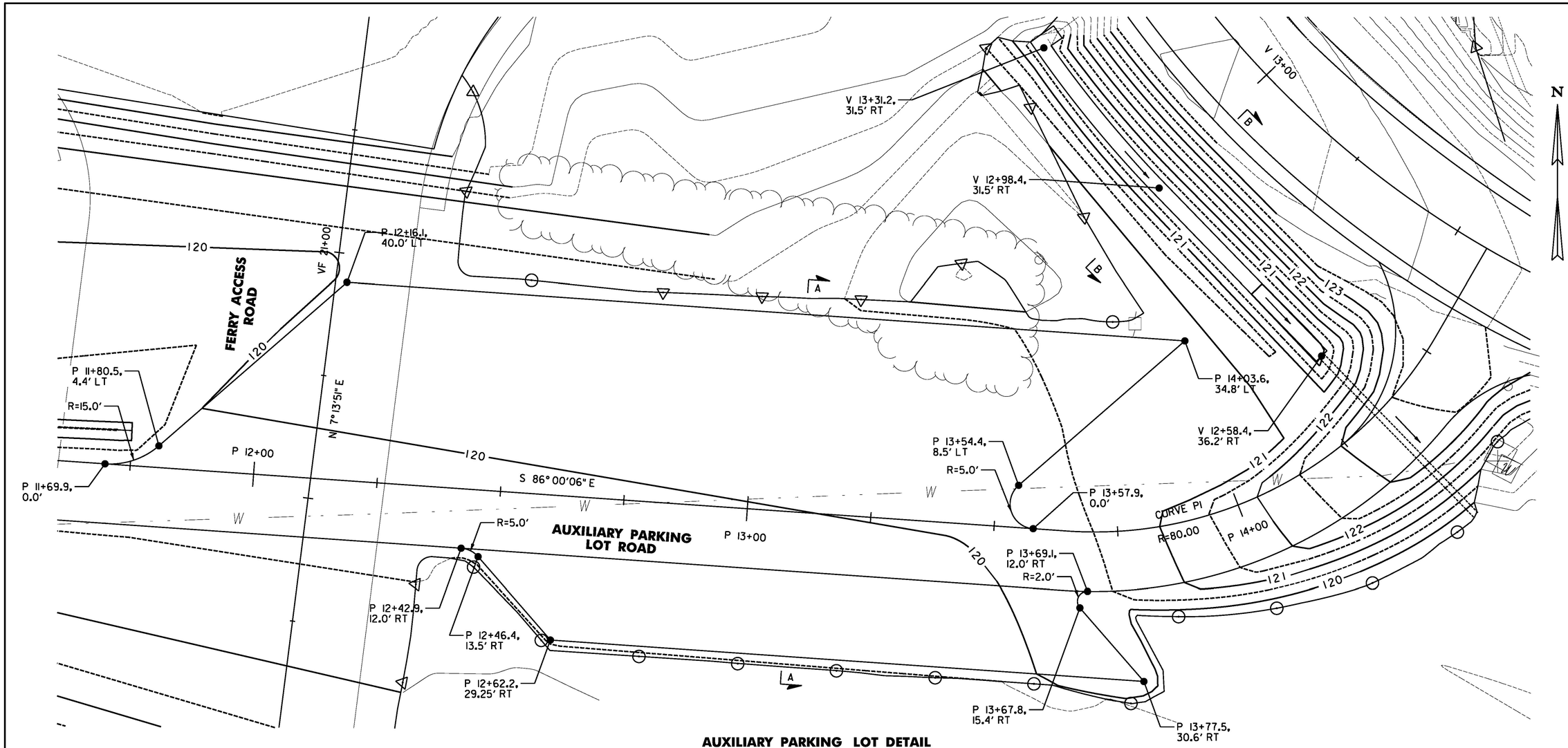
NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

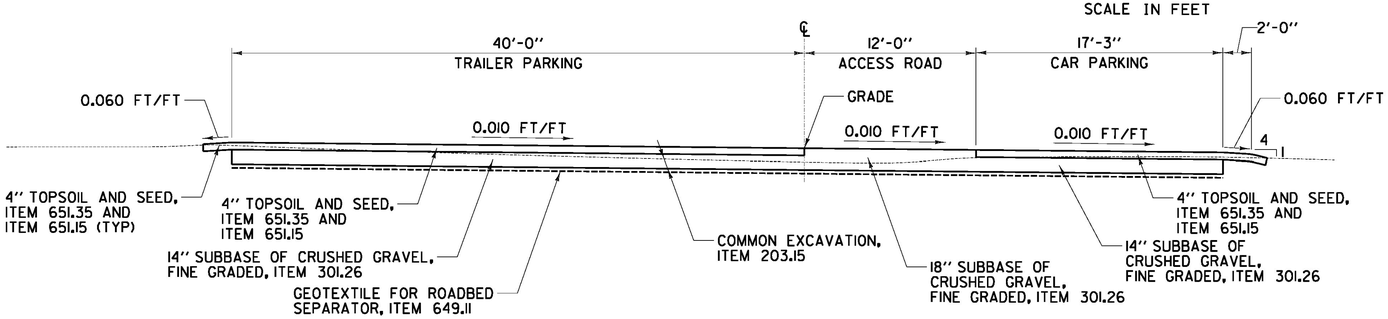
FILE NAME: zl2E008_msd_02.dgn — PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G. — DRAWN BY: W.G.P.
DESIGNED BY: B.T.H. — CHECKED BY: D.E.G.
DWG. NO.: MD-2 — SHEET 62 OF 100

FILE NAME = U:\2030\CADD\MISTN\zl2E008_msd_02.dgn
DATE/TIME = 7/12/2012
USER = 4666



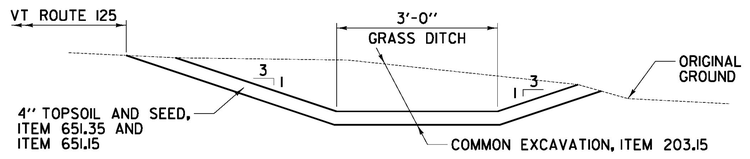
AUXILIARY PARKING LOT DETAIL

0 10 20
SCALE IN FEET



AUXILIARY PARKING LOT SECTION A–A

NOT TO SCALE



DITCH SECTION B–B

NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #3	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
	PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_msd_03.dgn	PLOT DATE: 7/12/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
	DWG. NO.: MD-3	SHEET 63 OF 100

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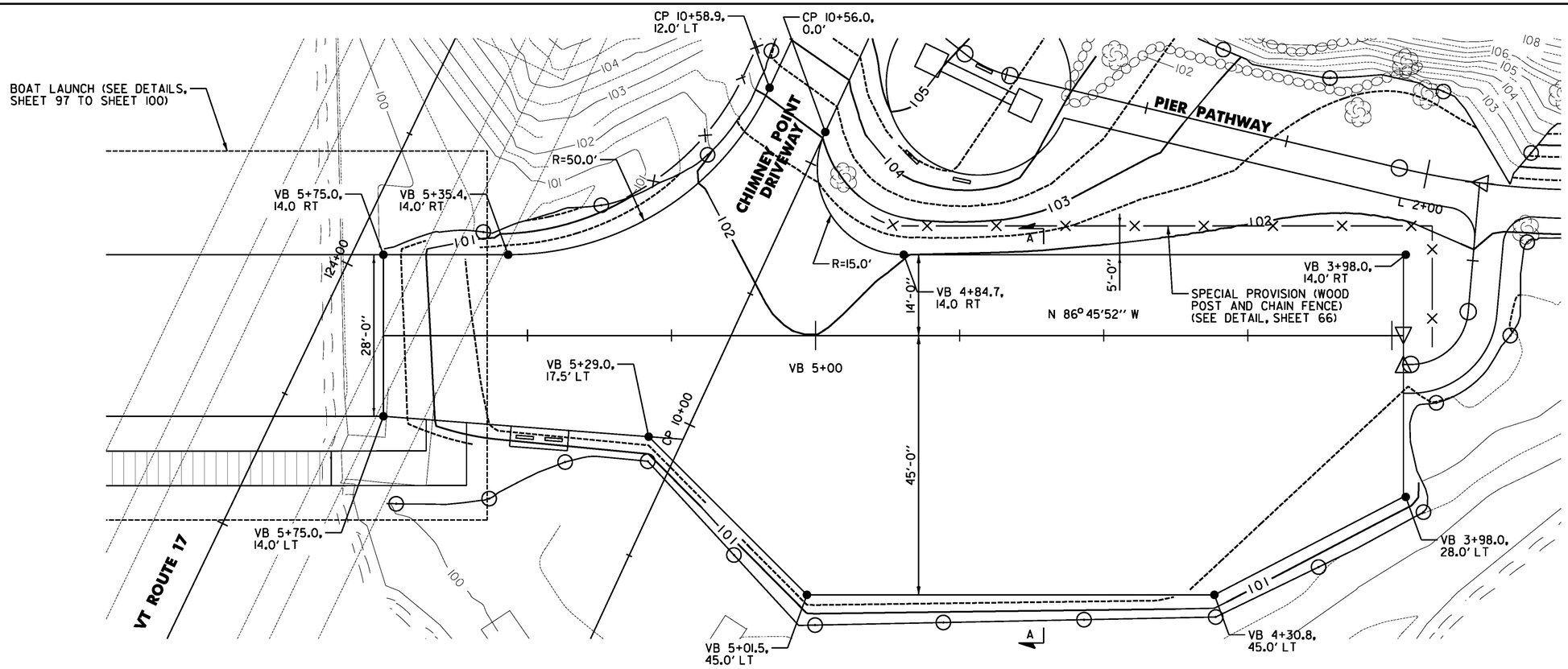
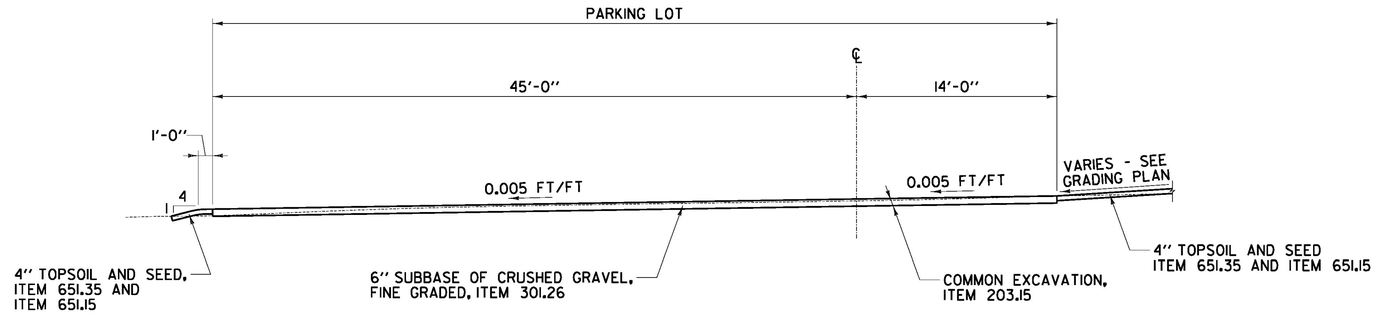
DATE/TIME = 7/12/2012
USER = 4086



BOAT LAUNCH PARKING LOT DETAIL

0 10 20
SCALE IN FEET



BOAT LAUNCH PARKING LOT SECTION A–A

NOT TO SCALE

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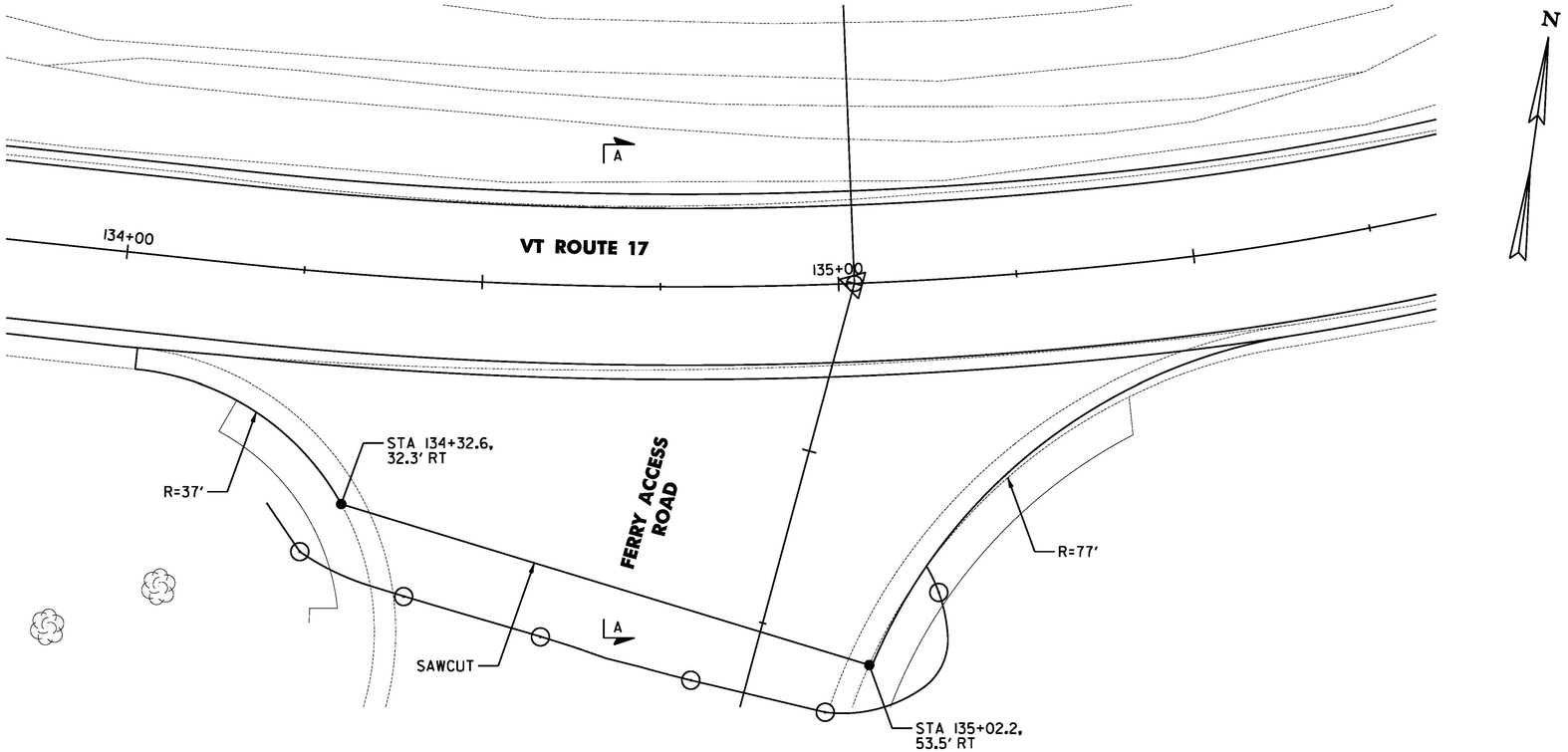
DATE/TIME = 7/12/2012
USER = 4866

MISCELLANEOUS DETAILS SHEET #4

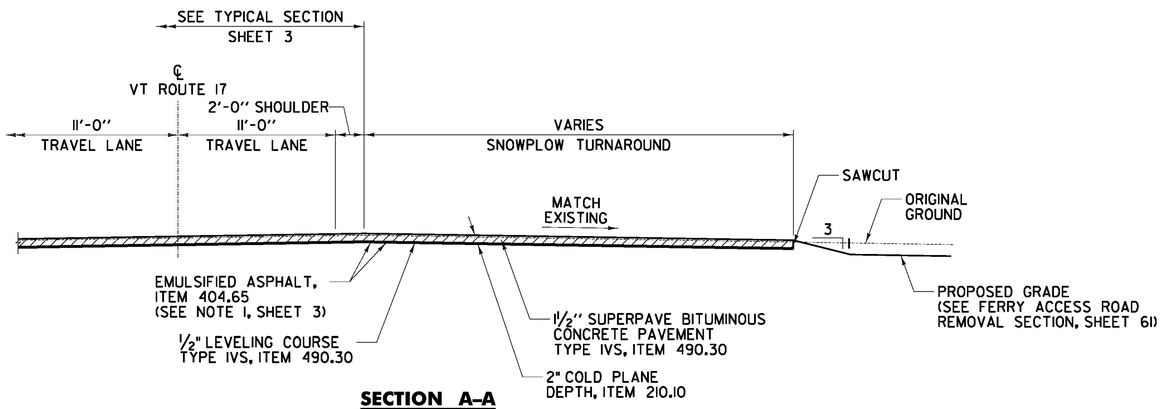
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_msd_04.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: MD-4	SHEET 64 OF 100



SNOWPLOW TURNAROUND

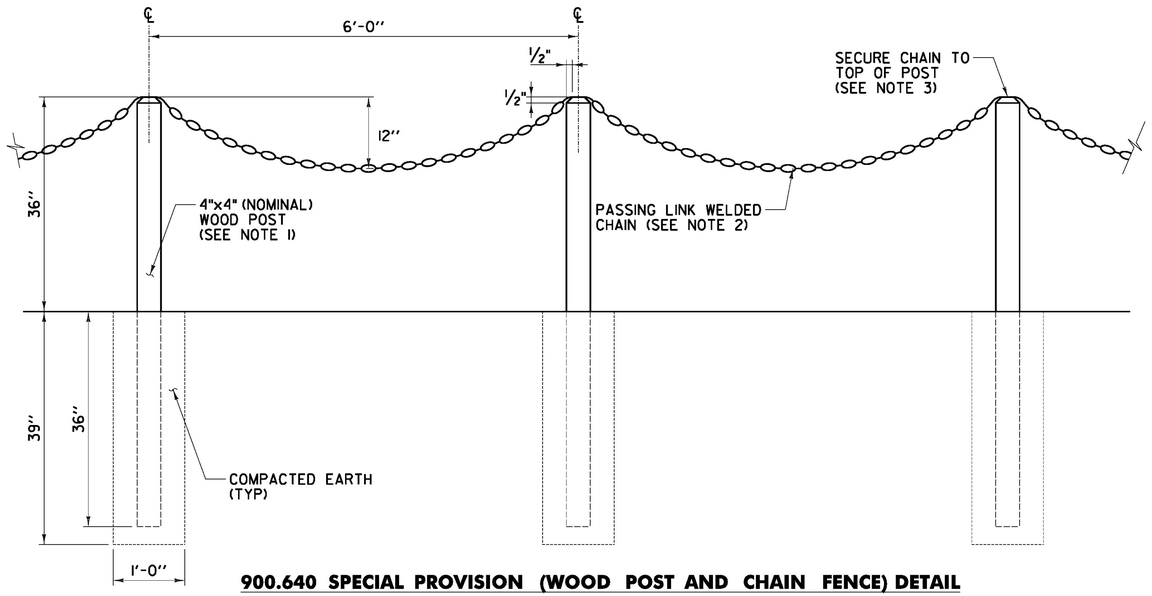
0 10 20
SCALE IN FEET



SECTION A-A
NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #5	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
	PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_msd_05.dgn	PLOT DATE: 7/12/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
	DWG. NO.: MD-5	SHEET 65 OF 100

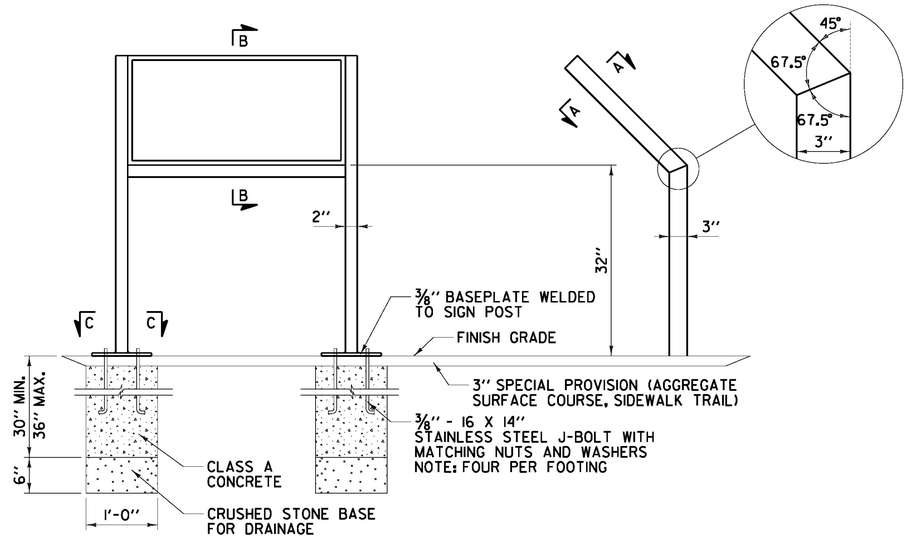
FILE NAME = U:\20330\CADD\MSTN\z12E008_msd_05.dgn
DATE/TIME = 7/12/2012
USER = 4066



900.640 SPECIAL PROVISION (WOOD POST AND CHAIN FENCE) DETAIL

NOTES:

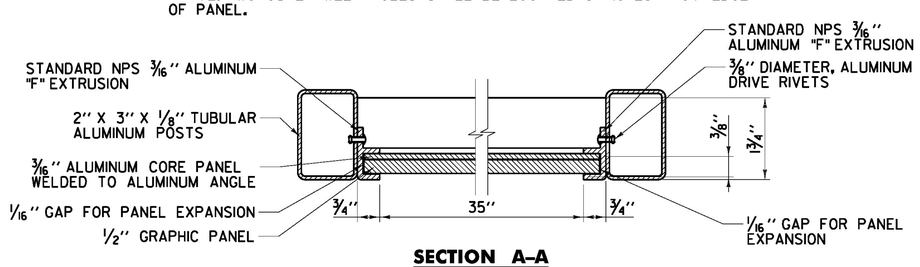
1. POST SHALL BE PAINTED TO MATCH EXISTING POSTS ON THE PROJECT SITE.
2. CHAIN SHALL BE #4/0 PASSING LINK WELDED CHAIN, HAVE A BLACK POWDER COAT FINISH. A SAMPLE CHAIN SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER.
3. CHAIN SHALL BE SECURED TO THE TOP OF THE POST IN A MANNER THAT PREVENTS THE SAG FROM BEING ALTERED. FASTENING METHOD TO BE APPROVED BY THE ENGINEER.



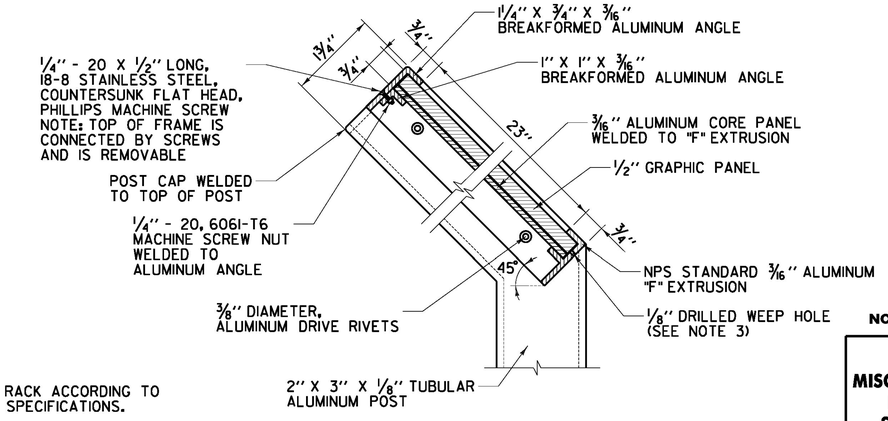
900.620 SPECIAL PROVISION (INFORMATIONAL SIGN WITH STEEL POSTS) DETAIL

NOTES:

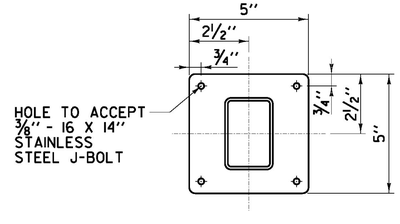
1. THE COST OF EXCAVATION FOR PEDESTAL INSTALLATION, CRUSHED STONE, CLASS A CONCRETE, AND MOUNTING SIGN PANEL (FURNISHED BY OTHERS) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.620 SPECIAL PROVISION (INFORMATIONAL SIGN WITH STEEL POSTS).
2. INFORMATIONAL SIGN POSTS SHALL HAVE A CUSTOM GREEN POWDER COAT FINISH. A SAMPLE SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER.
3. PROVIDE THREE WEEP HOLES EQUALLY SPACED ALONG BOTTOM OF PANEL FRAME. TWO OUTER WEEP HOLES SHALL BE LOCATED 3 INCHES FROM EDGE OF PANEL.



SECTION A–A

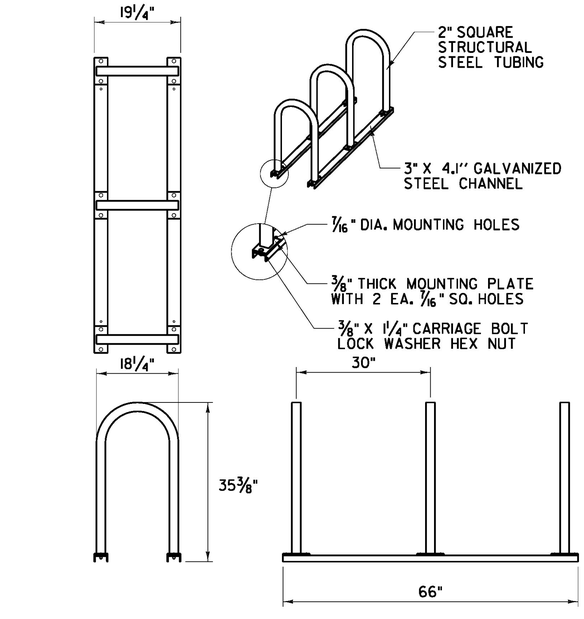


SECTION B–B



SECTION C–C

NOT TO SCALE



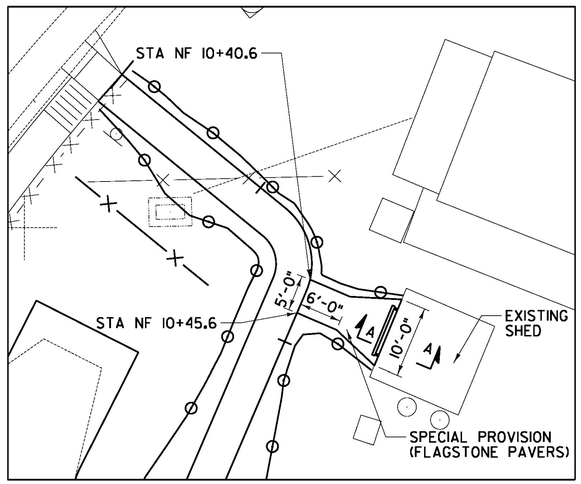
900.620 SPECIAL PROVISION (BICYCLE RACK) DETAIL

NOTES:

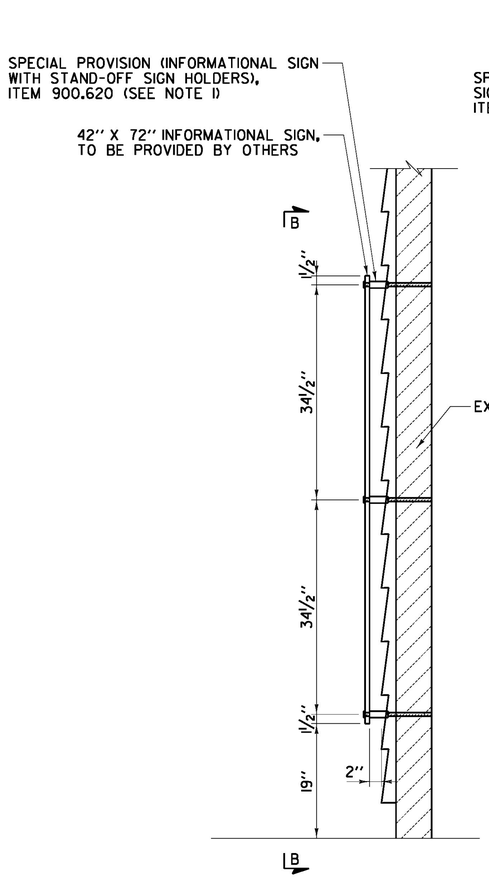
1. INSTALL BICYCLE RACK ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. BICYCLE RACK SHALL HAVE HOT-DIPPED GALVANIZED FINISH.

MISCELLANEOUS DETAILS SHEET #6	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
	PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_msd_06.dgn	PLOT DATE: 7/23/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
	DWG. NO.: MD-6	SHEET 66 OF 100

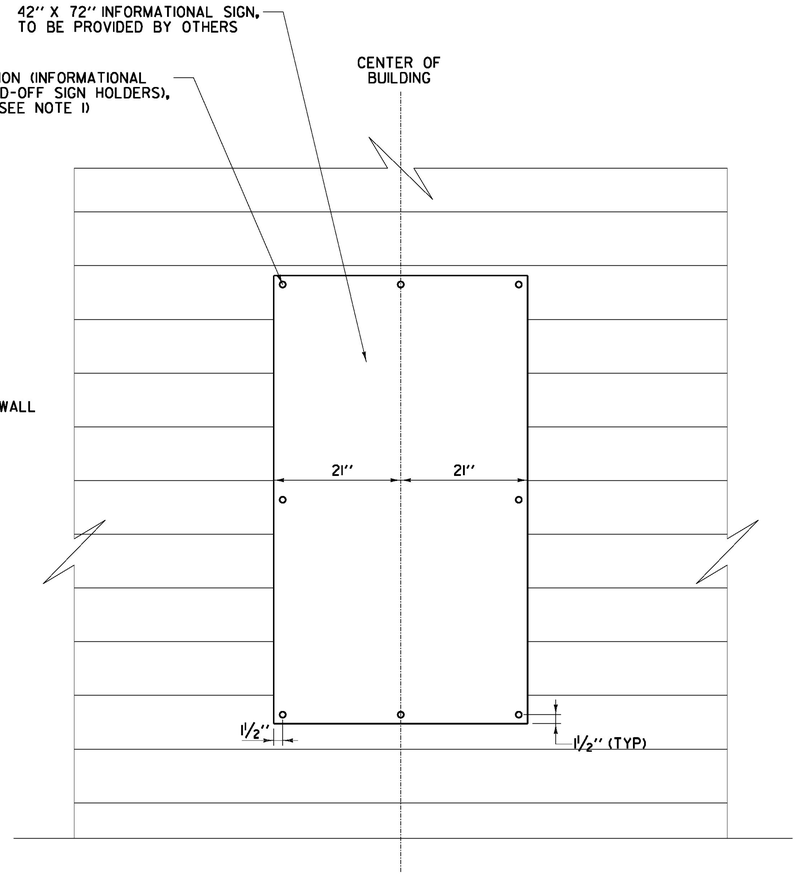
FILE NAME = U:\20330\CADD\MSTN\z12E008_msd_06.dgn
DATE/TIME = 7/23/2012
USER = 4066



PLAN



SECTION A – A



SECTION B – B

900.620 SPECIAL PROVISION (INFORMATIONAL SIGN WITH STAND-OFF SIGN HOLDERS) DETAIL

NOTE:

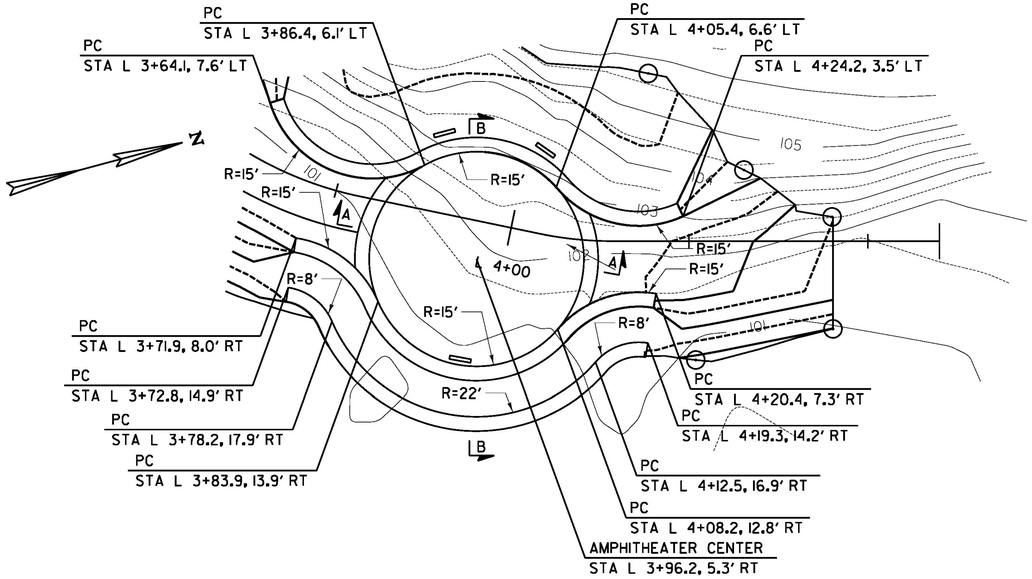
1. STAND-OFF SIGN HOLDERS SHALL BE USED TO MOUNT 42" X 72" INFORMATIONAL SIGN TO THE SIDE OF EXISTING SHED. THE CONTRACTOR SHOULD INSTALL STAND-OFF SIGN HOLDER TO MANUFACTURER'S SPECIFICATIONS. STAND-OFFS SHOULD BE STAINLESS STEEL AND A MINIMUM OF 1" IN DIAMETER.

NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #7

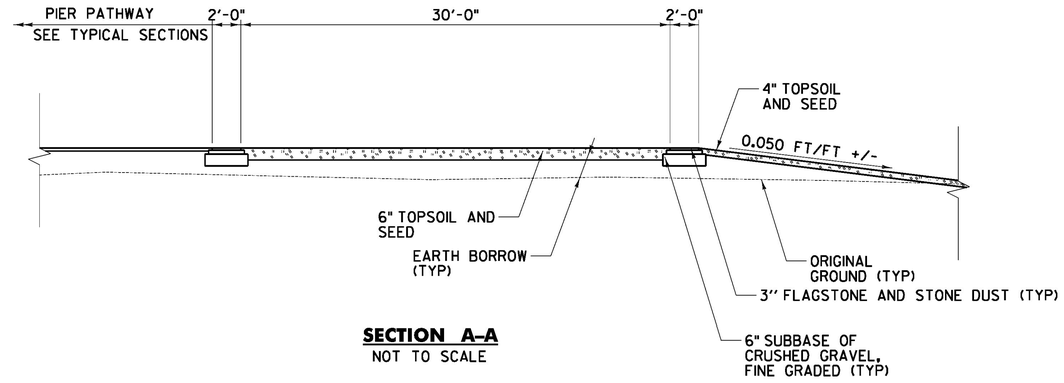
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION	
PROJECT NUMBER: STP 032-1(18)	
FILE NAME: z12E008_msd_07.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: MD-7	SHEET 67 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_msd_07.dgn
DATE/TIME = 7/12/2012
USER = 4066

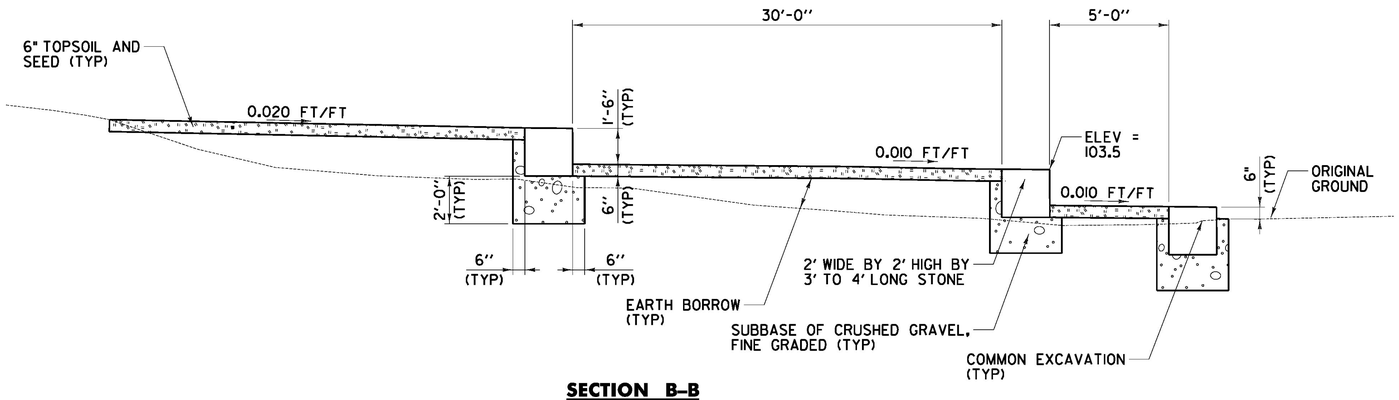


900.620 SPECIAL PROVISION (AMPHITHEATER) PLAN

0 10 20
SCALE IN FEET



SECTION A–A
NOT TO SCALE



SECTION B–B
NOT TO SCALE

NOTE:
1. ALL WORK ASSOCIATED WITH AMPHITHEATER FABRICATION AND CONSTRUCTION AS SHOWN ON THIS SHEET, INCLUDES THE COMMON EXCAVATION, EARTH BORROW, STONE, SUBBASE, TOPSOIL, FLAGSTONE PAVERS, STONE DUST AND SEED, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.620 SPECIAL PROVISION (AMPHITHEATER).

MISCELLANEOUS DETAILS SHEET #8

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_msd_08.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: MD-8	SHEET 68 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_msd_08.dgn
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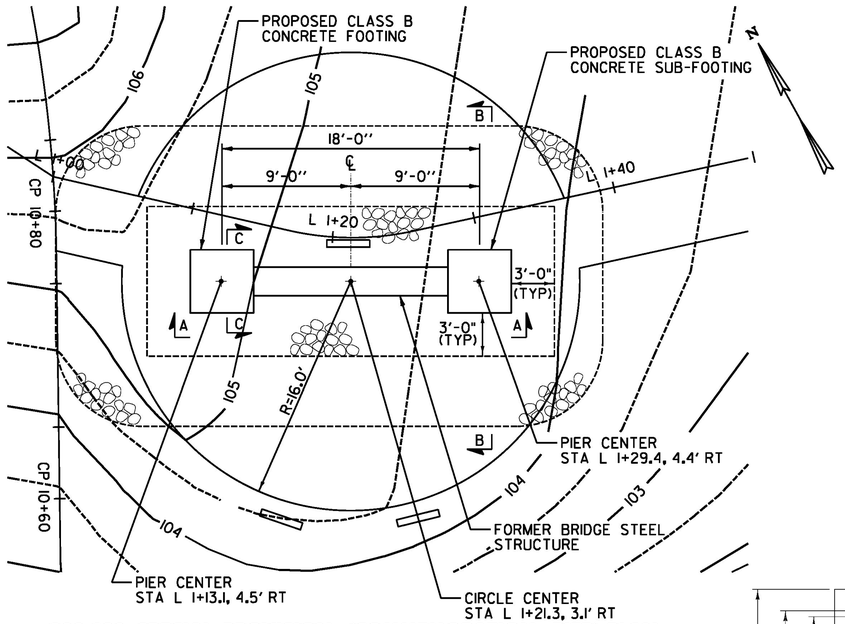
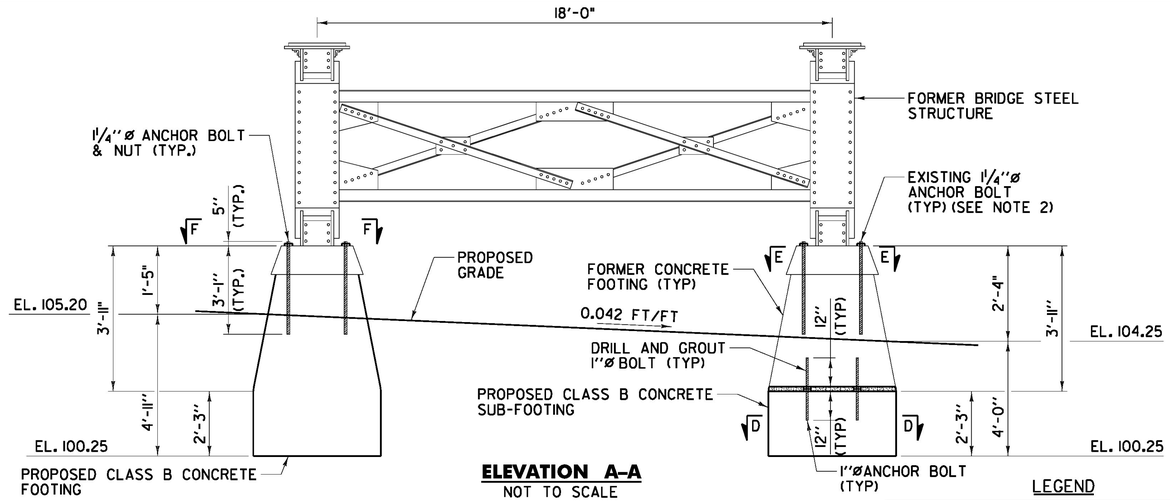


900.620 SPECIAL PROVISION (COMMEMORATION PIER) PLAN

0 5 10

SCALE IN FEET

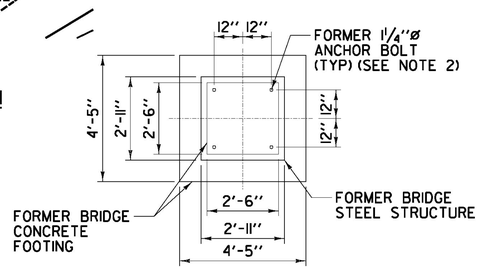


ELEVATION A–A

NOT TO SCALE

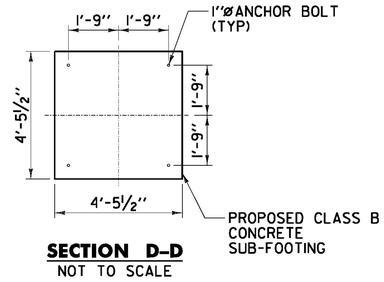
LEGEND

- PAY LIMIT FOR STRUCTURE EXCAVATION
- PROPOSED CONTOURS
- BACKFILL WITH SUITABLE EXCAVATED MATERIAL
- NON-SHRINK GROUT



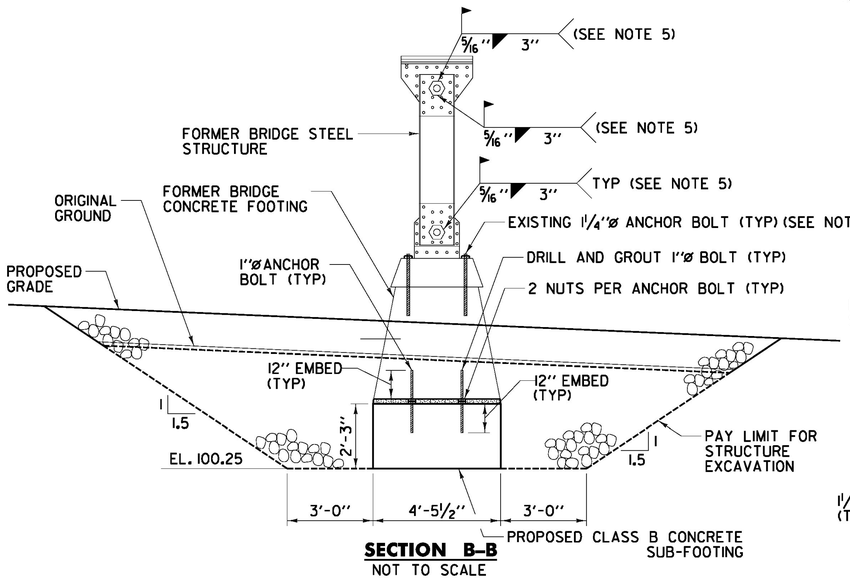
SECTION E–E

NOT TO SCALE



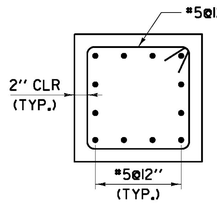
SECTION D–D

NOT TO SCALE



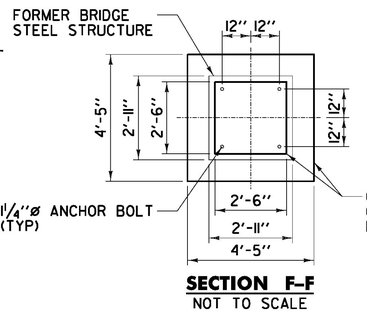
SECTION B–B

NOT TO SCALE



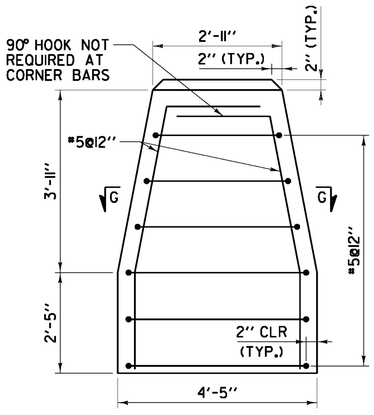
SECTION G–G

NOT TO SCALE



SECTION F–F

NOT TO SCALE



SECTION C–C

NOT TO SCALE

NOTES:

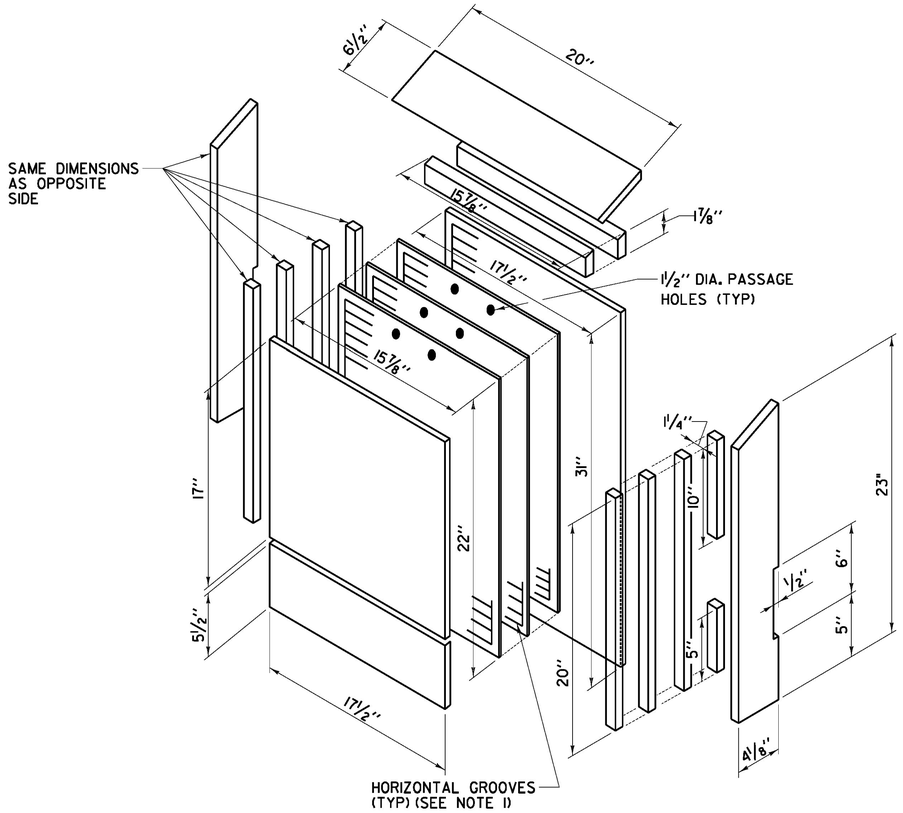
1. COST OF ALL PROPOSED WORK TO BE INCLUDED IN ITEM 900.620 SPECIAL PROVISION (COMMEMORATION PIER).
2. FORMER BRIDGE STEEL STRUCTURE SHALL BE CONNECTED TO THE EXISTING CONCRETE FOOTING BY USE OF THE EXISTING 1¼"ø ANCHOR BOLTS. NUTS MAY NEED TO BE REPLACED AS DIRECTED BY THE ENGINEER.
3. APPROXIMATE WEIGHT OF EXISTING STEEL STRUCTURE IS 2 TONS.
4. APPROXIMATE WEIGHT OF ONE EXISTING CONCRETE FOOTING IS 5 TONS.
5. EXISTING UPPER PIN CONNECTION SHALL BE FIELD WELDED ONLY ON THE TOP AND BOTTOM SIDES OF THE EXISTING HEX NUT IN 3" SEGMENTS AS SHOWN IN SECTION B-B. EXISTING LOWER PIN CONNECTION SHALL BE FIELD WELDED ON ALL 6 SIDES OF EXISTING HEX NUT IN 3" SEGMENTS. ALL FIELD WELDS SHALL CONFORM TO SUBSECTION 506.10.
6. ALL STEEL SHALL CONFORM TO SECTION 506.
7. ALL CONCRETE SHALL CONFORM TO SECTION 541.
8. THE FORMER STRUCTURAL STEEL ON THIS PROJECT WAS PAINTED WITH A MATERIAL WHICH MAY CONTAIN LEAD. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE STATE, ITS OFFICERS AND EMPLOYEES HARMLESS CONCERNING THE CONTRACTOR'S HANDLING, ERECTION, AND RETROFIT OF THE STRUCTURAL STEEL.
9. THE CONTRACTOR SHALL PREPARE ALL EXPOSED SURFACES OF STEEL AND SHOP APPLY METALIZING IN ACCORDANCE WITH SUBSECTIONS 506.14 AND 726.09. THE COST ASSOCIATED WITH ALL WORK INCLUDING, BUT NOT LIMITED TO, TRANSPORTING, HANDLING, LOADING, UNLOADING, PREPARING, AND METALIZING THE STEEL SHALL BE INCLUDED IN THE COST FOR CONTRACT ITEM 900.620 SPECIAL PROVISION (COMMEMORATION PIER).
10. THE CONTRACTOR IS MADE AWARE THAT FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
11. DETAILS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY.

MISCELLANEOUS DETAILS SHEET #9

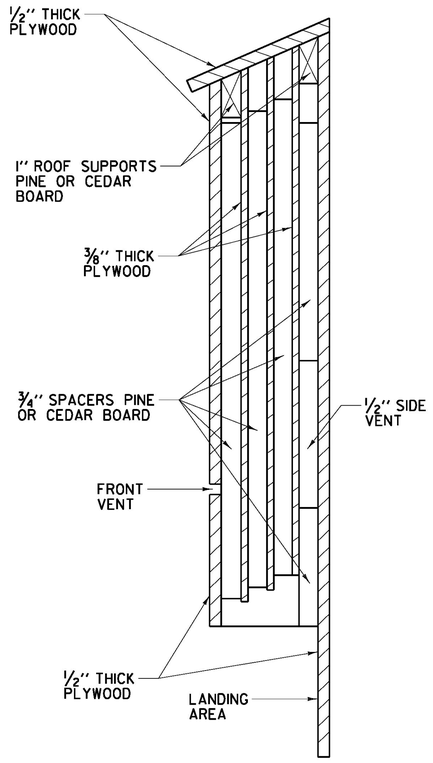
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_msd_09.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: MD-9	SHEET 69 OF 100

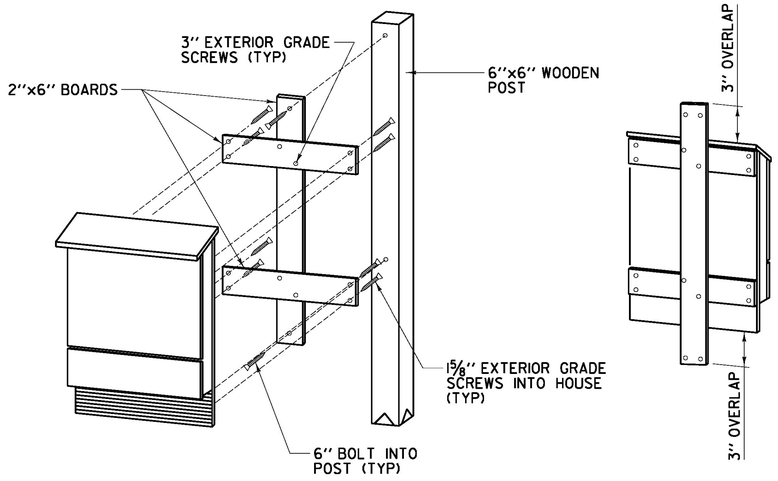
FILE NAME = U:\2033R\CADD\MSTN\z12E008_msd_09.dgn
DATE/TIME = 7/12/2012
USER = 4086



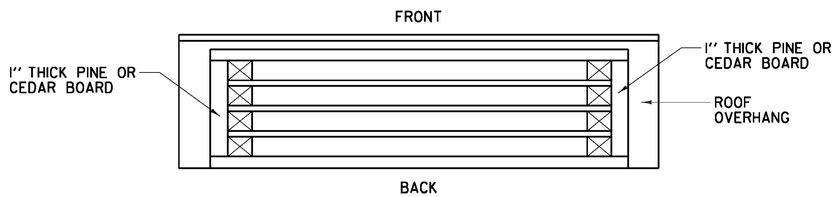
900.620 SPECIAL PROVISION (BAT HOUSE)



SIDE VIEW



POST MOUNT DETAIL



BOTTOM VIEW

NOTES:

1. BEFORE ATTACHING ANY PIECES, ROUGHEN THE INTERIOR AND LANDING SURFACES BY CUTTING HORIZONTAL GROOVES IN THE BOARDS. TRY TO SPACE THE GROOVES ¼'' TO ½'' APART AND 1/16'' DEEP.
2. APPLY TWO COATS OF DARK, WATER-BASED STAIN TO THE INTERIOR SURFACES. PAINT OR STAIN THE EXTERIOR THREE TIMES (THE FIRST TIME WITH PRIMER).
3. USE 1'' EXTERIOR-GRADE SCREWS TO ATTACH THE 5'' AND 10'' SPACERS TO THE INSIDE CORNERS AND TO ATTACH ROOF SUPPORTS TO THE FRONT AND BACK PIECES. USE 1¼'' COATED DECK OR EXTERIOR GRADE SCREWS TO ATTACH ROOF TO SIDE PIECES AND ROOF SUPPORTS. USE 1⅝'' COATED DECK OR EXTERIOR GRADE SCREWS TO ATTACH SIDE PIECES TO BACK AND TO ATTACH 20'' SPACERS TO INSIDE PARTITION PIECES. ENSURE SCREWS DO NOT PROTRUDE INTO ROOSTING CHAMBERS.
4. CAULKING SHOULD BE USED TO SEAL ROOF AND SIDE JOINTS AND MAY BE USED IN ADDITION TO SCREWS TO JOIN PIECES.
5. COVER ROOF WITH SHINGLES OR GALVANIZED METAL.
6. MOUNT HOUSE ON WOODEN POST AS SHOWN IN THE MOUNTING DETAIL. A MINIMUM OF 10' OF POST SHOULD BE ABOVE GROUND (12'-20' IS PREFERED), WITH AT LEAST 3 FEET BELOW GROUND AND SECURED WITH CONCRETE.
7. WHEN INSTALLING BAT HOUSE, CHOOSE A LOCATION THAT HAS AT LEAST 6-8 HOURS OF DIRECT SUNLIGHT AND IS 20'-25' FROM THE NEAREST TREE BRANCHES, WIRES OR OTHER POTENTIAL PREDATOR PERCHES.

NOT TO SCALE

MISCELLANEOUS DETAILS SHEET #10

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_msd_10.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: MD-10	SHEET 70 OF 100

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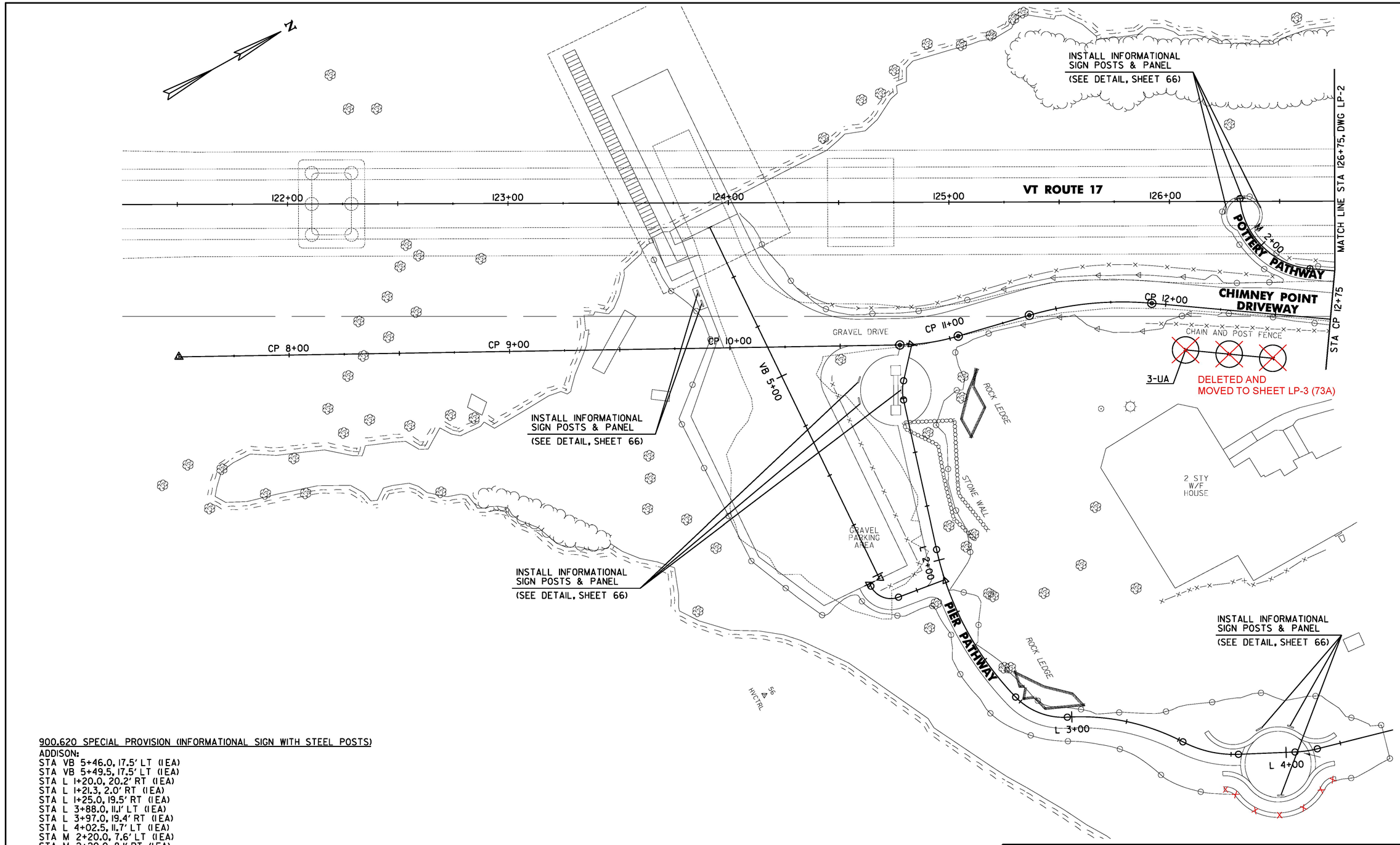
DATE/TIME = 7/12/2012
USER = #666



900.620 SPECIAL PROVISION (INFORMATIONAL SIGN WITH STEEL POSTS)

ADDISON:
STA VB 5+46.0, 17.5' LT (1 EA)
STA VB 5+49.5, 17.5' LT (1 EA)
STA L 1+20.0, 20.2' RT (1 EA)
STA L 1+21.3, 2.0' RT (1 EA)
STA L 1+25.0, 19.5' RT (1 EA)
STA L 3+88.0, 11.1' LT (1 EA)
STA L 3+97.0, 19.4' RT (1 EA)
STA L 4+02.5, 11.7' LT (1 EA)
STA M 2+20.0, 7.6' LT (1 EA)
STA M 2+20.0, 8.1' RT (1 EA)
STA M 2+24.0, 1.0' RT (1 EA)

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
3	UA	ULMUS AMERICANA VAR.	AMERICAN ELM CULTIVAR	2"-2.5" CAL.	B&B

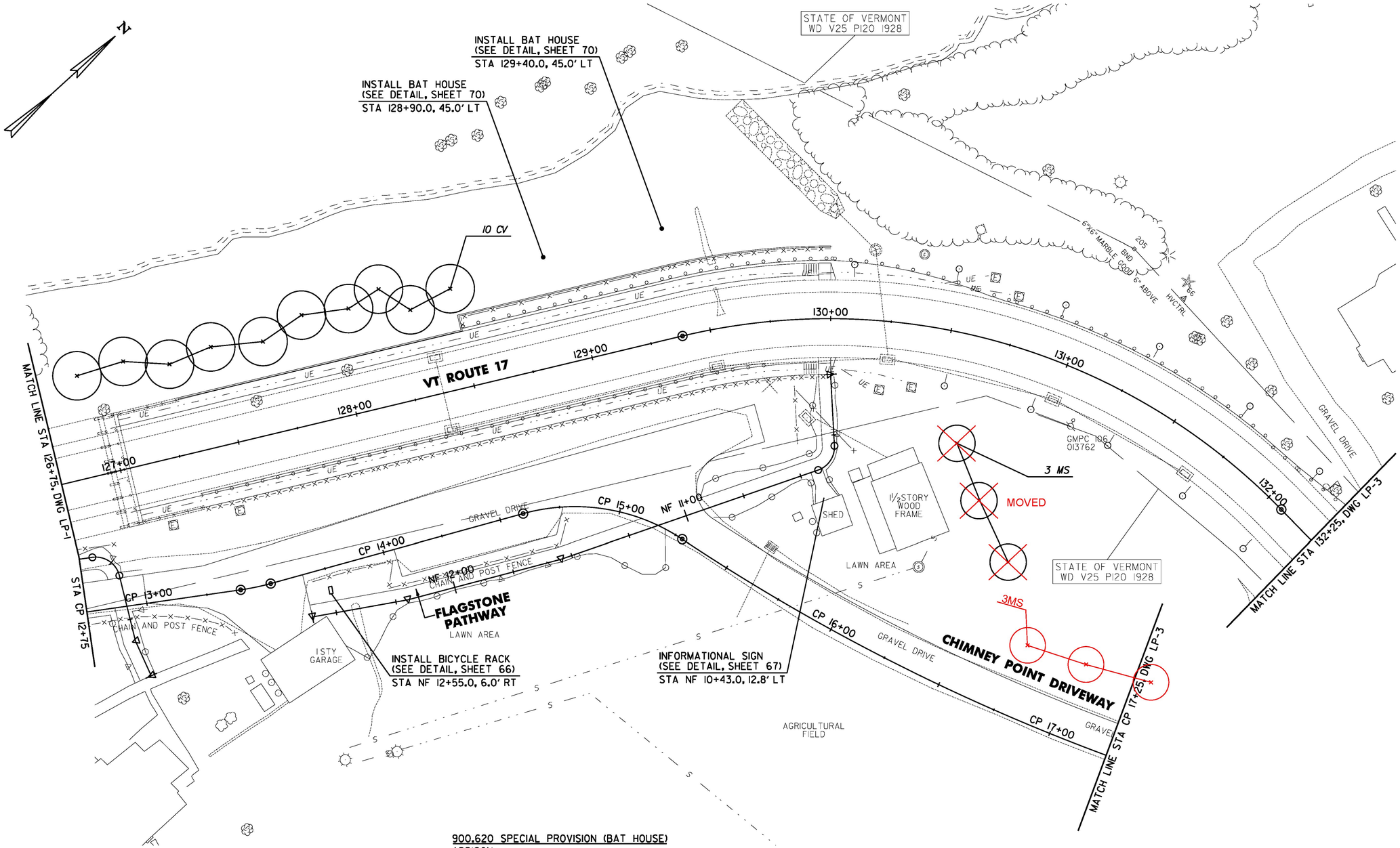
0 20 40
SCALE IN FEET

LANDSCAPING PLAN SHEET #1

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: zl2E008_lsp_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: LP-1
PLOT DATE: 7/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 71 OF 100

FILE NAME = U:\20330\CADD\MSTN\zl2E008_lsp_01.dgn
DATE/TIME = 7/20/2012
USER = 4066



QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
10	CV	CARYA OVATA	SHAGBARK HICKORY	1½"-2" CAL.	B&B
3	MS	MALUS SP.	SNOW APPLE	¾"-1" CAL.	B&B

900.620 SPECIAL PROVISION (BAT HOUSE)
ADDISON:
STA 128+90.0, 45.0' LT (1EA)
STA 129+40.0, 45.0' LT (1EA)

900.620 SPECIAL PROVISION (INFORMATIONAL SIGN WITH STAND-OFF SIGN HOLDERS)
ADDISON:
STA NF 10+43.0, 12.8' LT (1EA)

900.620 SPECIAL PROVISION (BICYCLE RACK)
ADDISON:
STA NF 12+55.0, 6.0' RT (1EA)

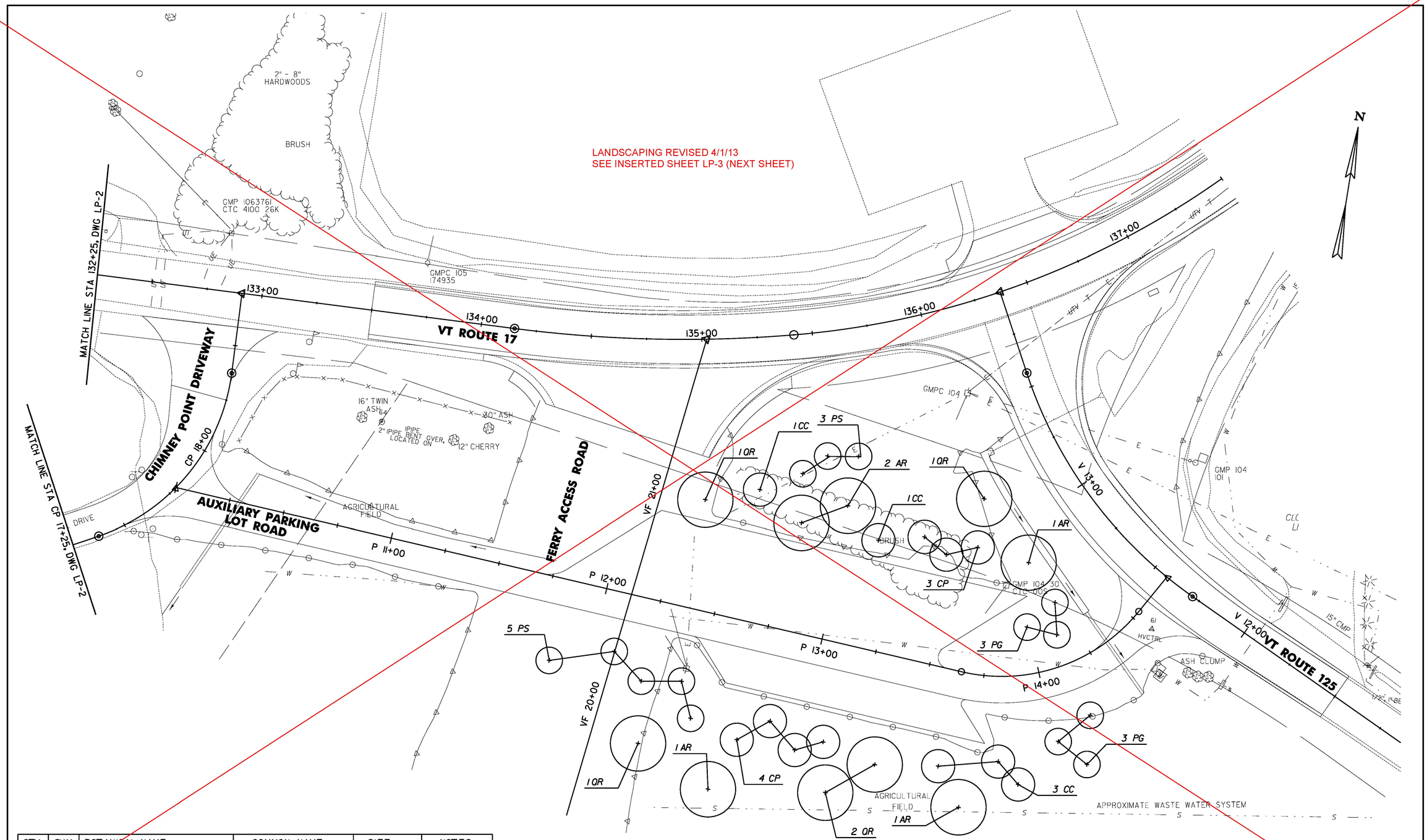
0 20 40
SCALE IN FEET

LANDSCAPING PLAN SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_lsp_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: LP-2
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 72 OF 100

FILE NAME = U:\2012\ACAD\MSTN\z12E008_lsp_02.dgn
DATE/TIME = 7/12/2012
USER = 4066



QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
6	PG	PICEA GLAUCA	SPRUCE	7' - 8' HT.	B&B
5	AR	ACER RUBRUM "OCTOBER GLORY"	RED MAPLE	2" - 2½" CAL.	B&B
7	CP	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORNE	1¾" - 2" CAL.	B&B
5	QR	QUERCUS RUBRA	RED OAK	2" - 2½" CAL.	B&B
5	CC	CERCIS CANADENSIS	EASTERN REDBUD	6' - 7' HT.	B&B
8	PS	PINUS STROBUS	WHITE PINE	7' - 8' HT.	B&B

LANDSCAPING PLAN SHEET #3

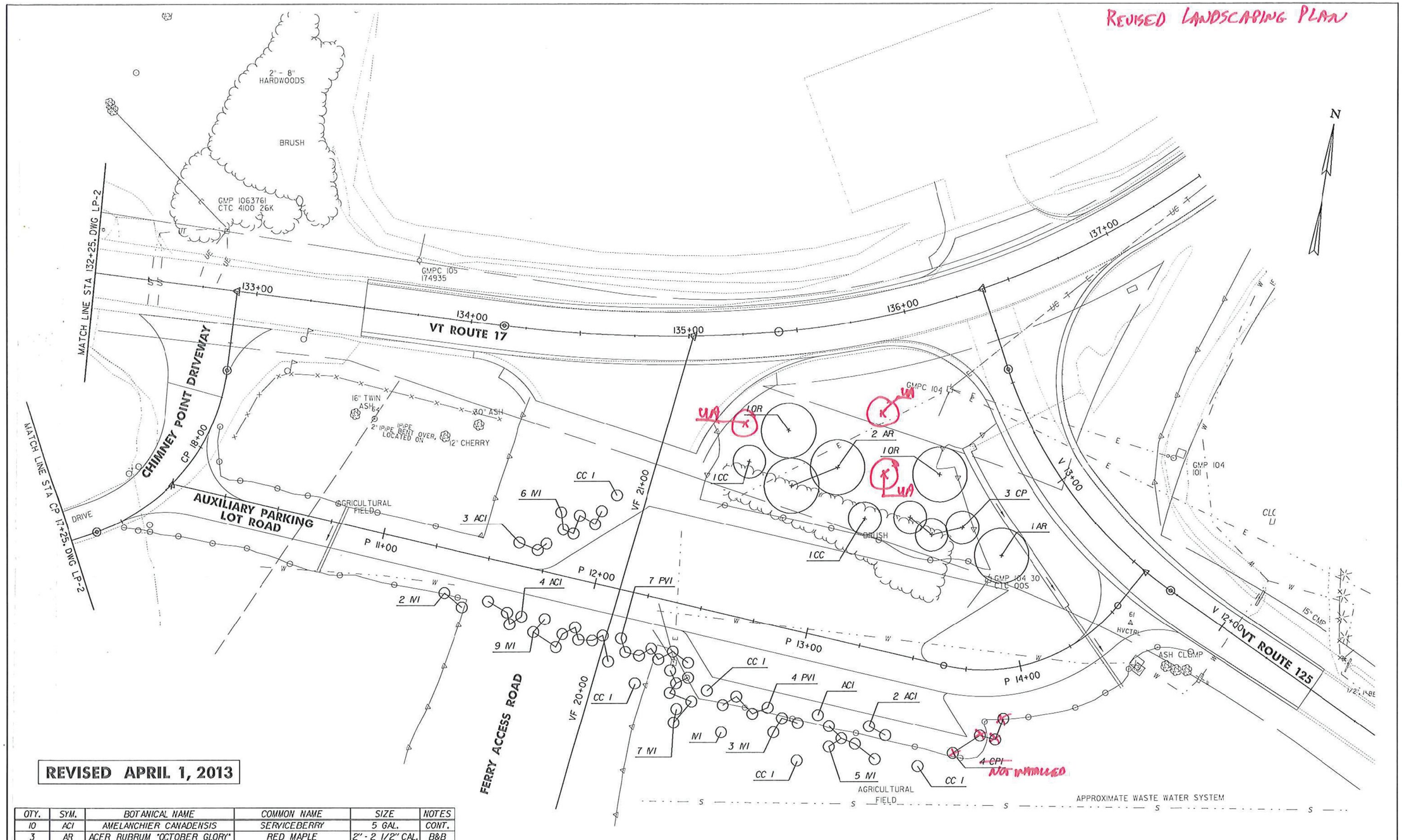
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_lsp_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: LP-3

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 73 OF 100

FILE NAME = U:\20330\CADD\MSTN\z12E008_lsp_03.dgn
DATE/TIME = 7/12/2012
USER = 4066

REVISED LANDSCAPING PLAN



REVISED APRIL 1, 2013

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
10	ACI	AMELANCHIER CANADENSIS	SERVICEBERRY	5 GAL.	CONT.
3	AR	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	2" - 2 1/2" CAL.	B&B
2	CC	CERCIS CANADENSIS	EASTERN REDBUD	6' - 7' HT.	B&B
5	CCI	CERCIS CANADENSIS	EASTERN REDBUD	5 GAL.	CONT.
3	CP	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORNE	13/4" - 2" CAL.	B&B
4	CPI	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORNE	5 GAL.	CONT.
33	NI	ILEX VETICILLATA	WINTERBERRY	3 GAL.	CONT.
11	PVI	PRUNUS VIRGINIANA	CHOKECHERRY	3 GAL.	CONT.
2	OR	QUERCUS RUBRA	RED OAK	2" - 2 1/2" CAL.	B&B
3	UA	ULMUS AMERICANA VAR.	AMERICAN ELM CULTIVAR	2" - 2 1/2" CAL.	B&B

0 20 40
SCALE IN FEET

LANDSCAPING PLAN SHEET #3

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_lsp_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: LP-3
PLOT DATE: 4/3/2013
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 73A OF 100

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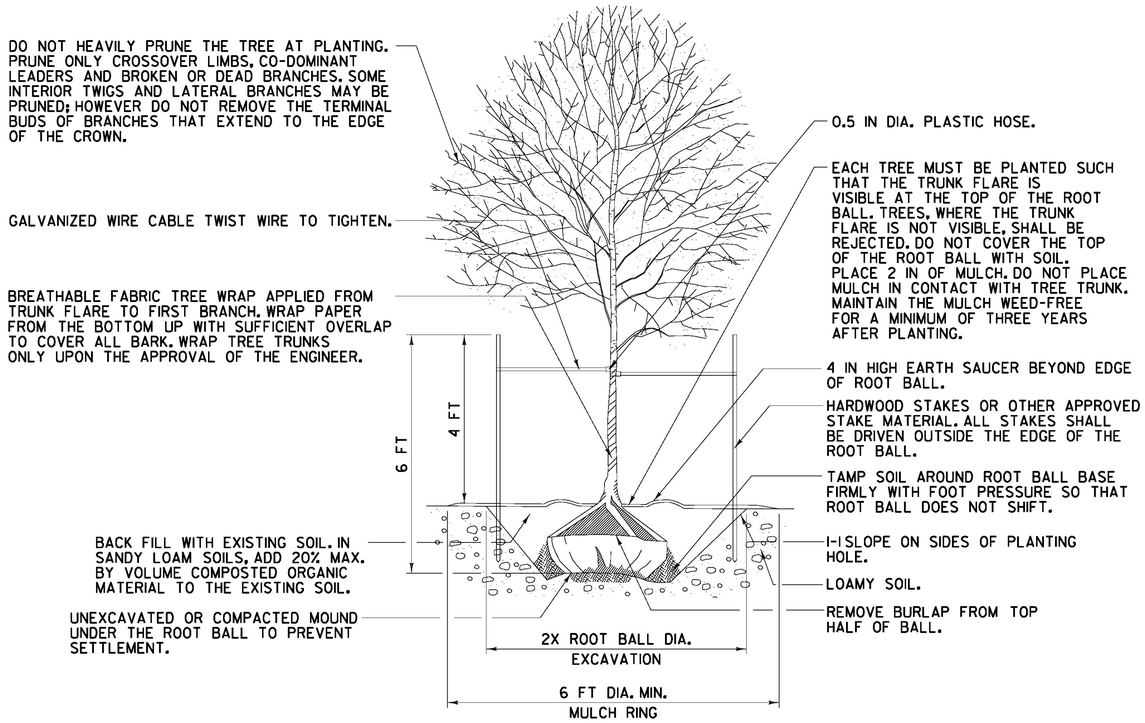

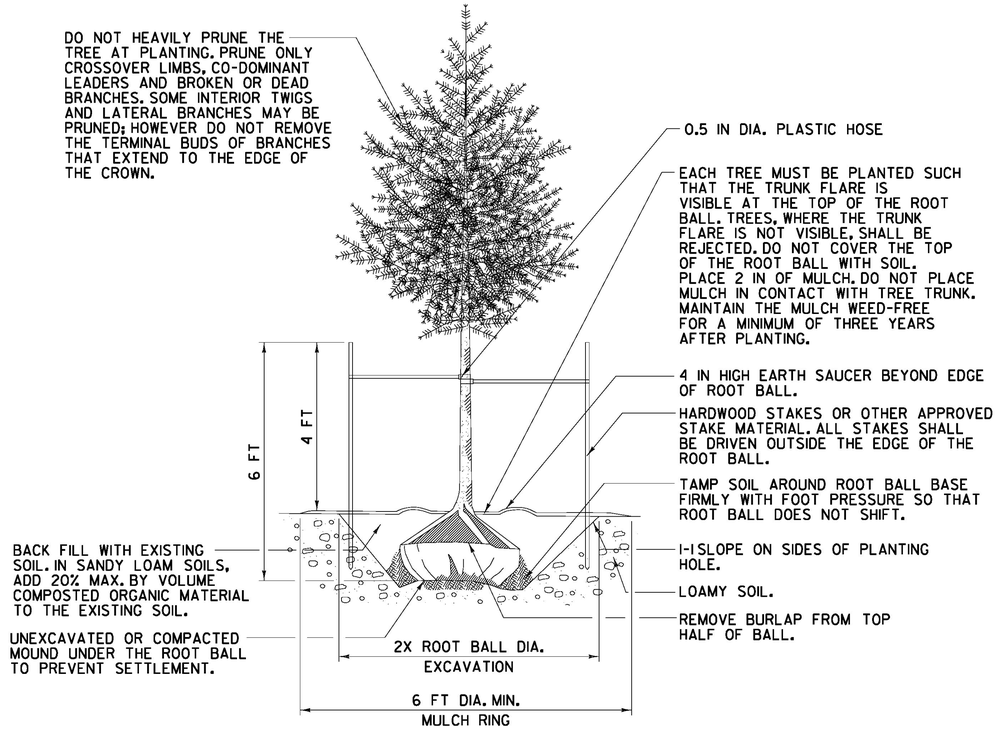

GENERAL NOTES:

1. LOAMY SOILS INCLUDE THE FOLLOWING USDA TEXTURAL CLASSIFICATIONS AND HAVE A CLAY CONTENT OF BETWEEN 15 TO 27% LOAM, SANDY LOAM AND LOAM. NOTE THAT SOILS AT THE OUTER LIMITS OF THE LOAM CLASSIFICATIONS MAY PRESENT SPECIAL PLANTING PROBLEMS NOT ANTICIPATED BY THIS DETAIL. LOAMY SOILS ARE DEFINED AS GRANULAR OR BLOCKY FRIABLE SOILS. A MIXTURE OF SAND SILT AND CLAY PARTICLES WITH A MINIMUM OF 1.5% BY DRY WEIGHT ORGANIC MATTER. THE SOIL MUST NOT BE SO COMPACTED AS TO IMPEDE ROOT GROWTH OR DRAINAGE. THE SOIL STRUCTURE SHALL NOT BE PLATY OR MASSIVE. THE SOIL MUST BE TESTED FOR TEXTURE, DRAINAGE CAPABILITY, PH AND NUTRIENT VALUES PRIOR TO DETERMINING PLANT SELECTIONS AND ANY ADDITIONAL SOIL IMPROVEMENTS.
2. WIRE OR CABLE SIZES SHALL BE AS FOLLOWS: TREES UP TO 2.5 IN CALIPER - 14 GAUGE TREES 2.5 IN TO CALIPER - 12 GAUGE.
3. TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 1.5 IN OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE.
4. TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.
5. REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS. STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
6. TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE ENGINEER IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF.
7. TREE WRAP SHOULD BE INSTALLED AT TIME OF PLANTING AND BE REMOVED WHEN DIRECTED BY THE ENGINEER BUT NO LATER THAN 12 MONTHS AFTER PLANTING.

NOT TO SCALE

LANDSCAPING DETAILS SHEET

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_lsd_01.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: LD-1	SHEET 74 OF 100

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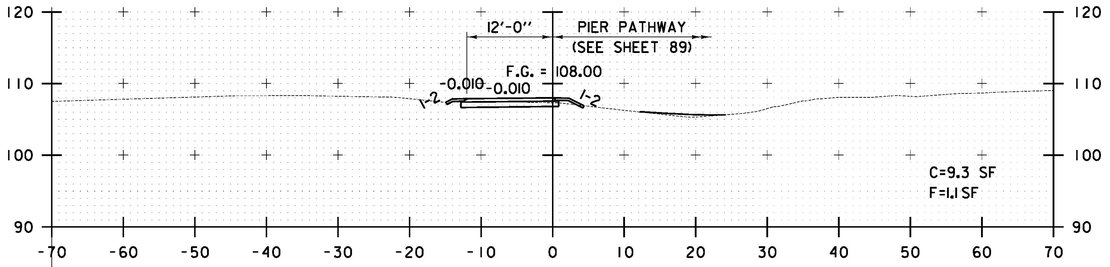
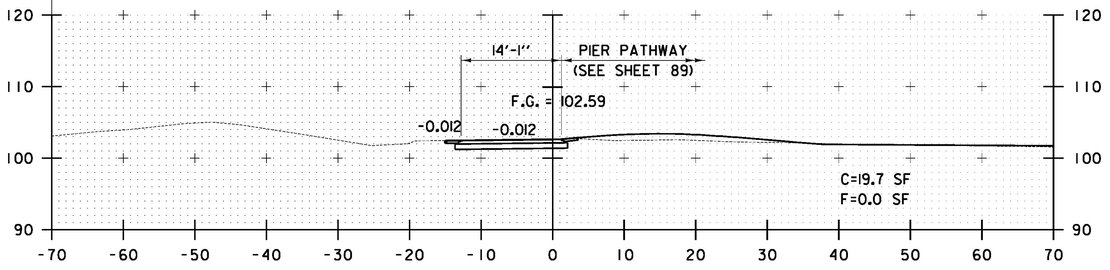
USER = 4066



CP 11+00



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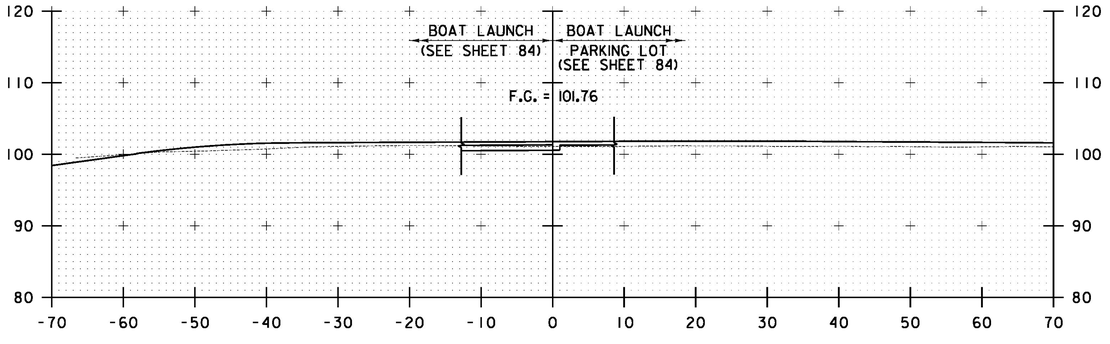

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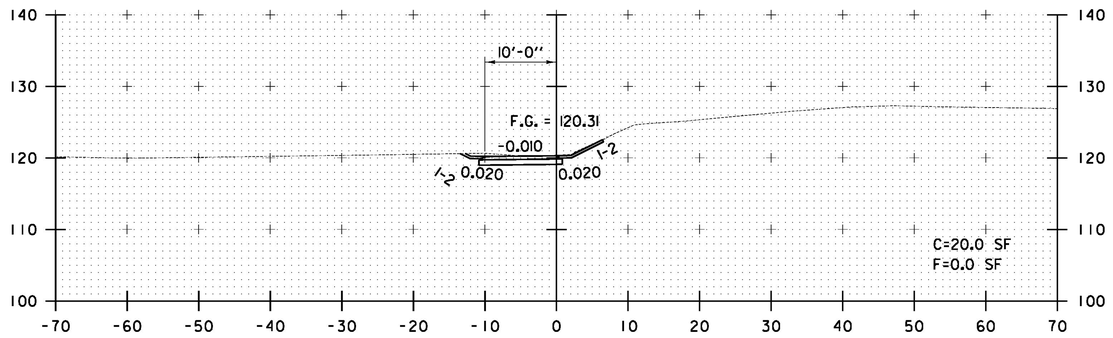
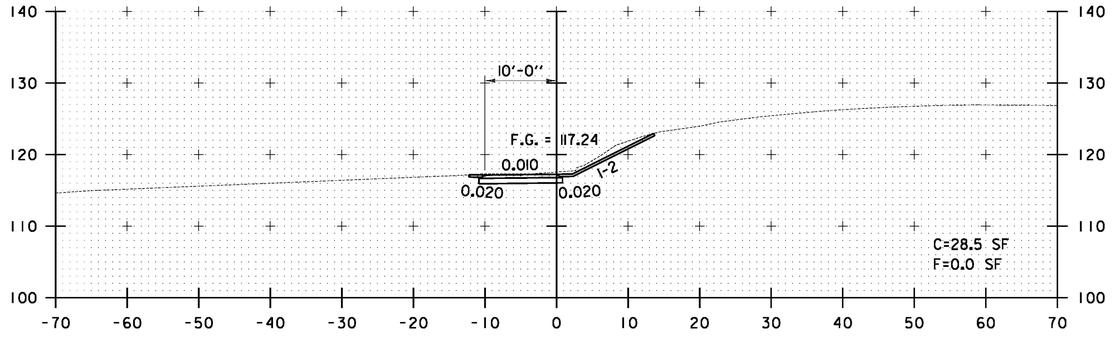
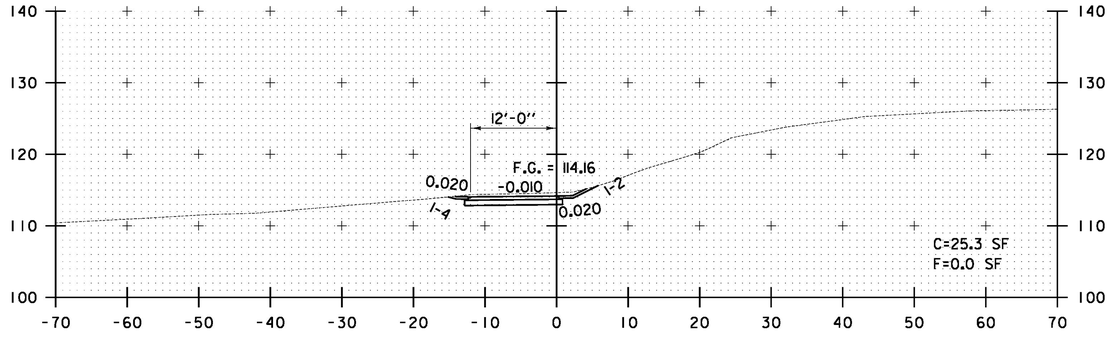


CP 12+00



CP 11+75



CP 11+50

0 10 20
SCALE IN FEET

STA. CP 10+00 TO STA. CP 12+00

CROSS SECTION SHEET #1	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION PROJECT NUMBER: STP 032-1(18)
FILE NAME: z12E008_xsec_01.dgn PROJECT LEADER: D.E.G. DESIGNED BY: B.T.H. DWG. NO.: XS-1	PLOT DATE: 7/12/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 75 OF 100

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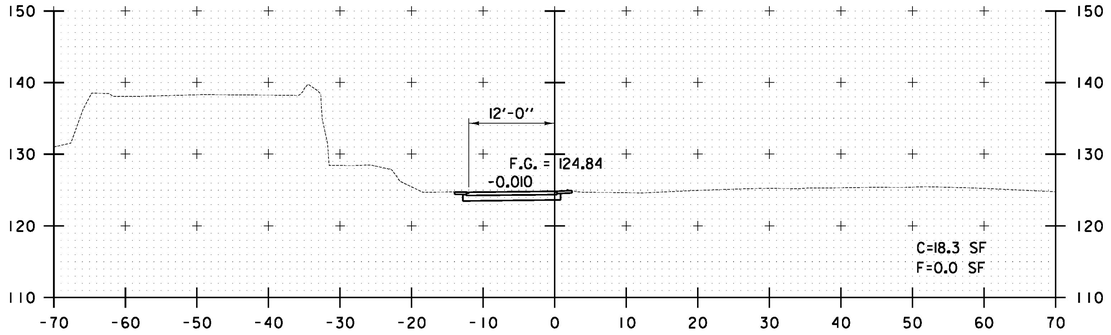
USER = 4066



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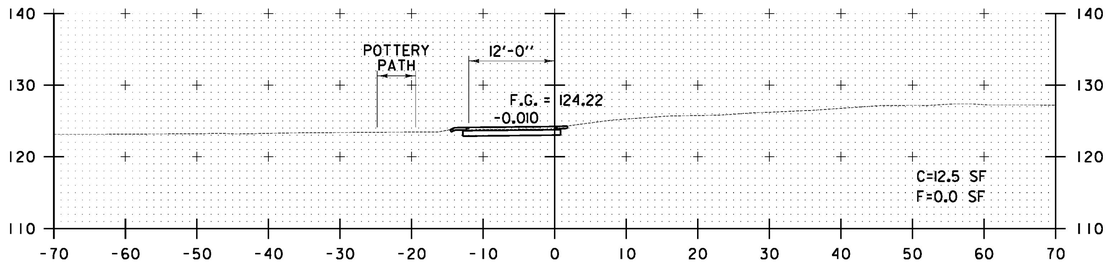
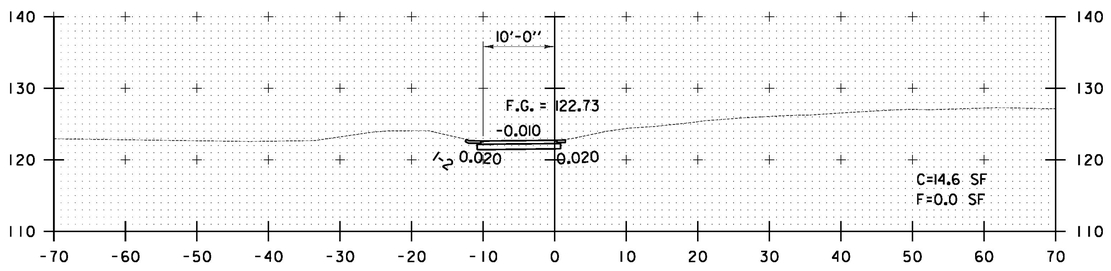


CP 12+50



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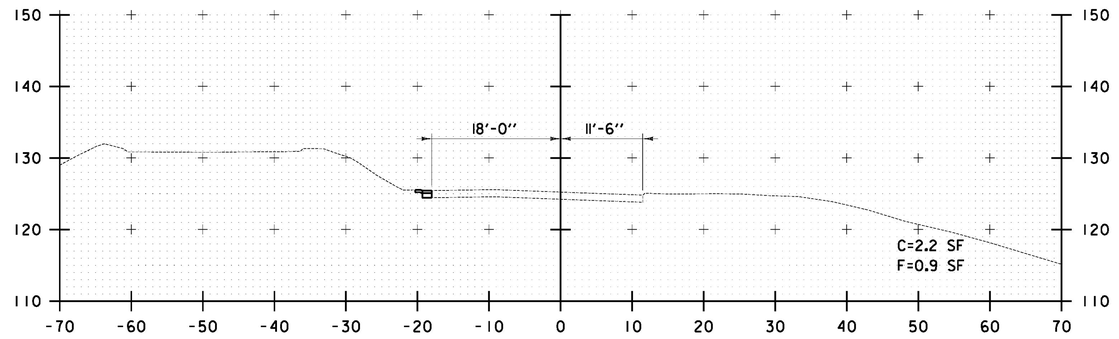

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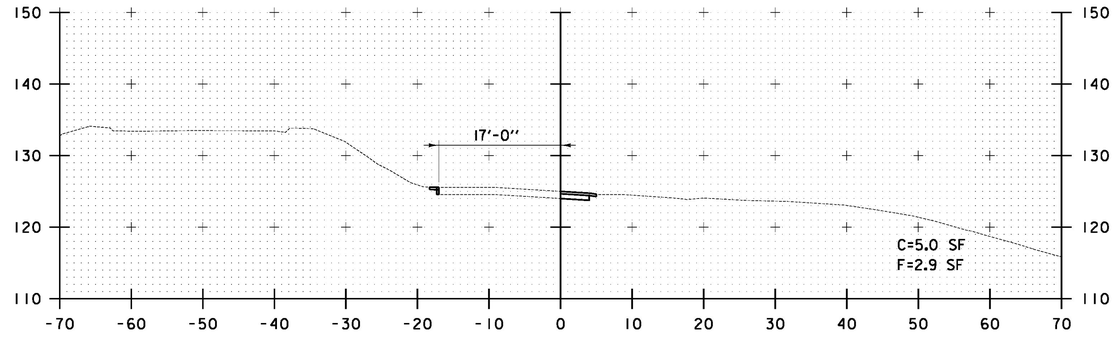

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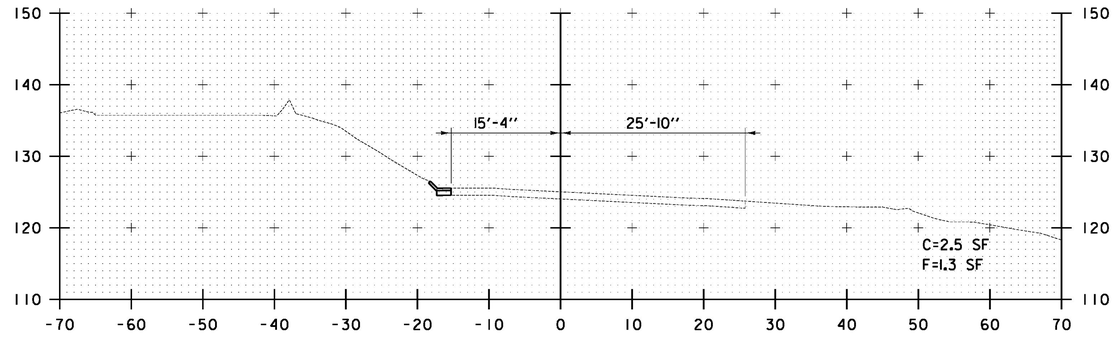


CP 13+50

0 10 20
SCALE IN FEET

STA. CP 12+25 TO STA. CP 14+50

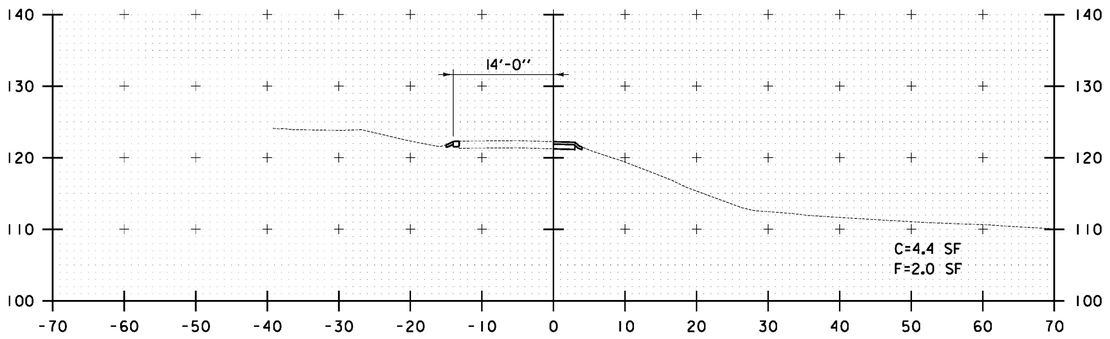
FILE NAME = Us\2833\CADD\MSTN\z12E008_xsec_01.dgn
DATE/TIME = 7/12/2012
USER = 4066

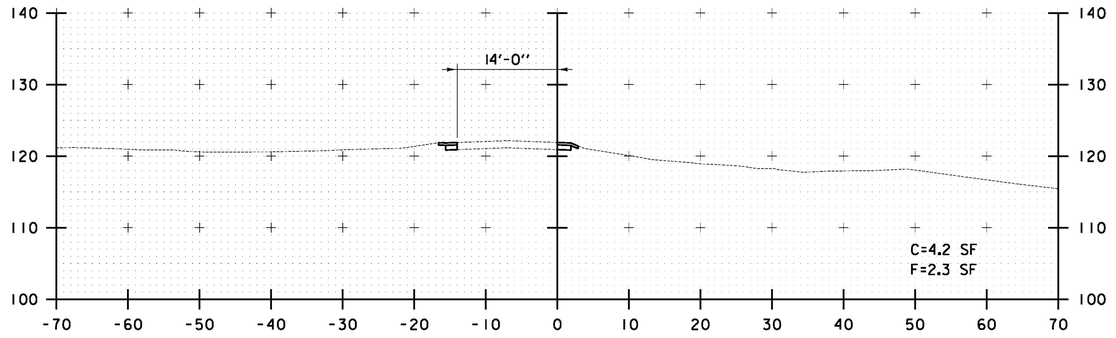
CROSS SECTION SHEET #2

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

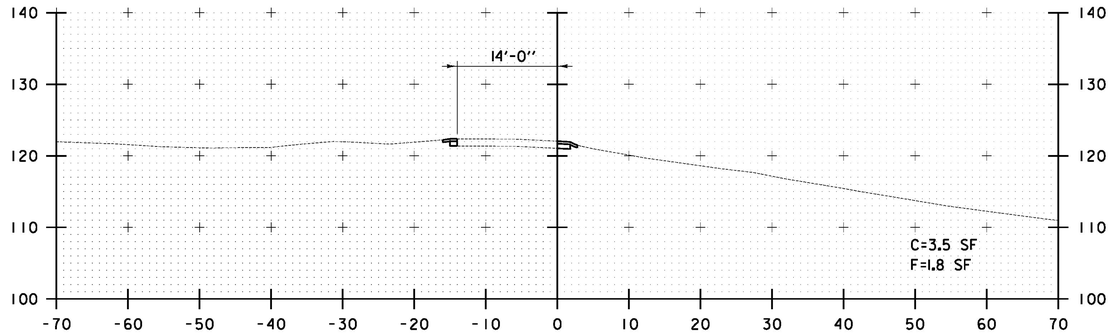
FILE NAME: z12E008_xsec_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-2

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 76 OF 100

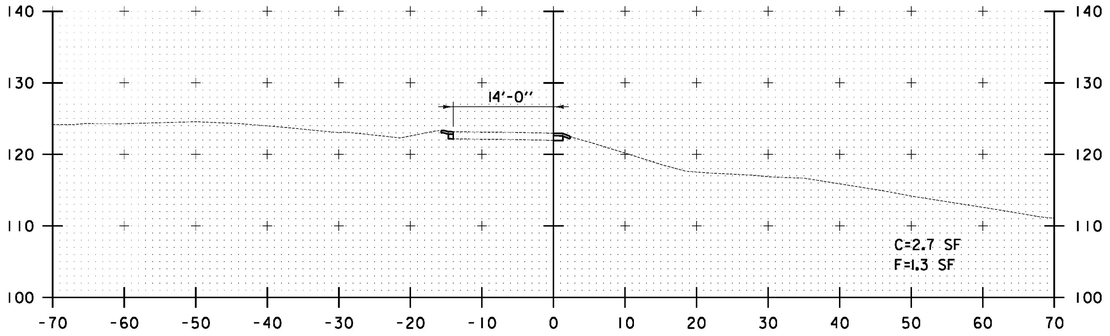




CP 17+50



CP 16+00



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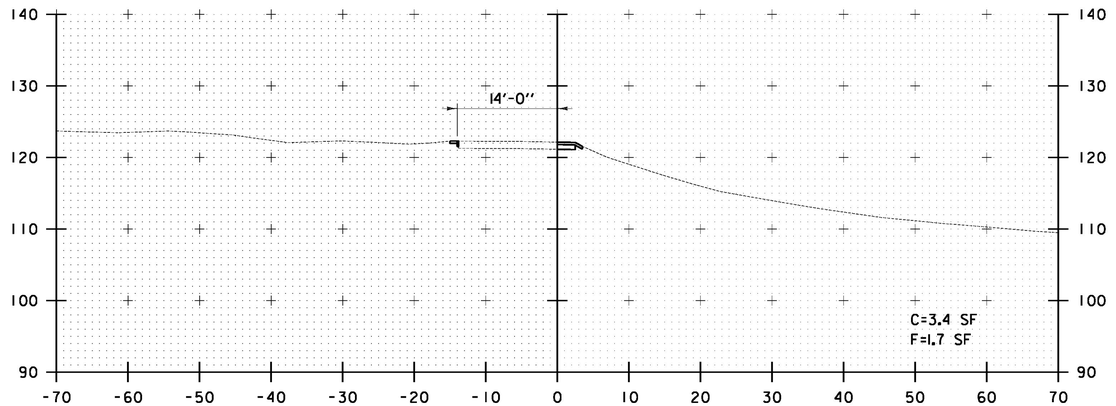

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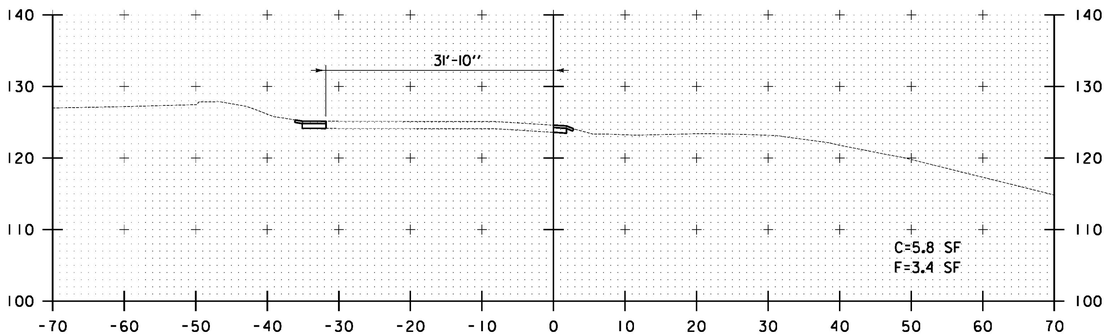

CP 15+00

0 10 20
SCALE IN FEET

STA. CP 15+00 TO STA. CP 17+50

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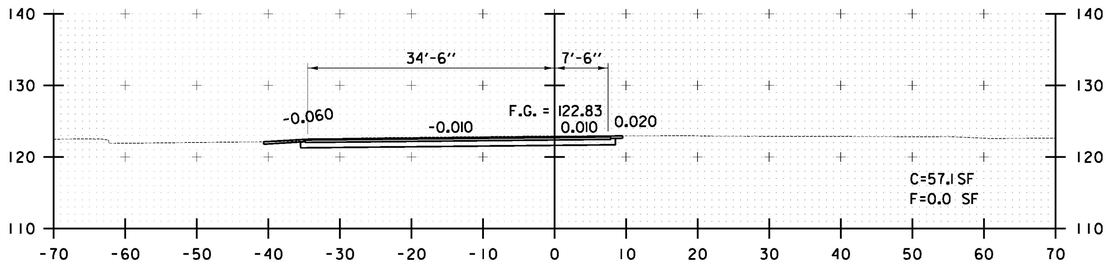
DATE/TIME = 7/12/2012
USER = 4066

CROSS SECTION SHEET #3

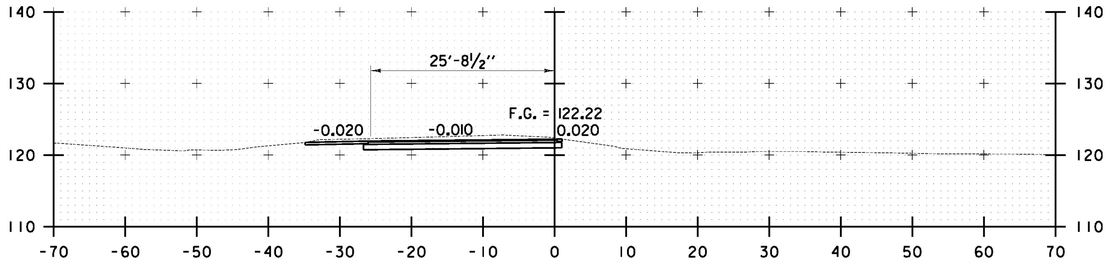
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_01.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-3

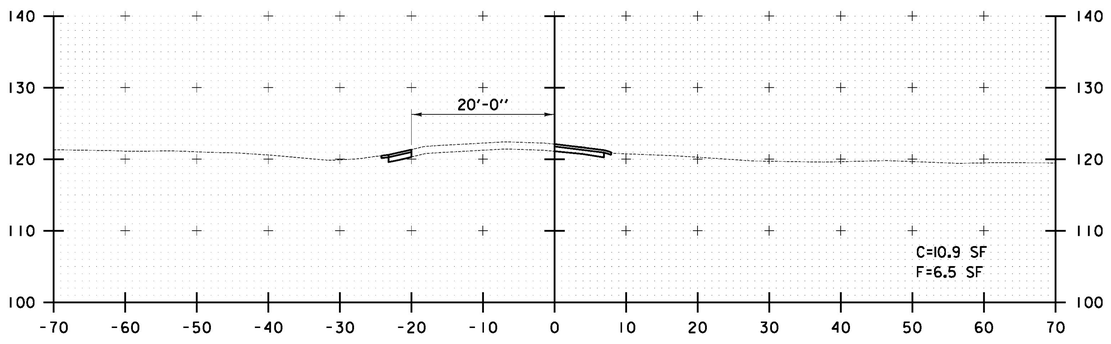
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 77 OF 100



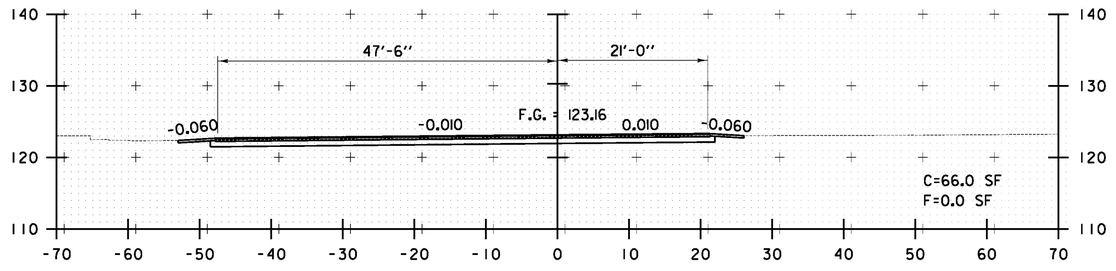
CP 18+50



VB 18+25



CP 18+00



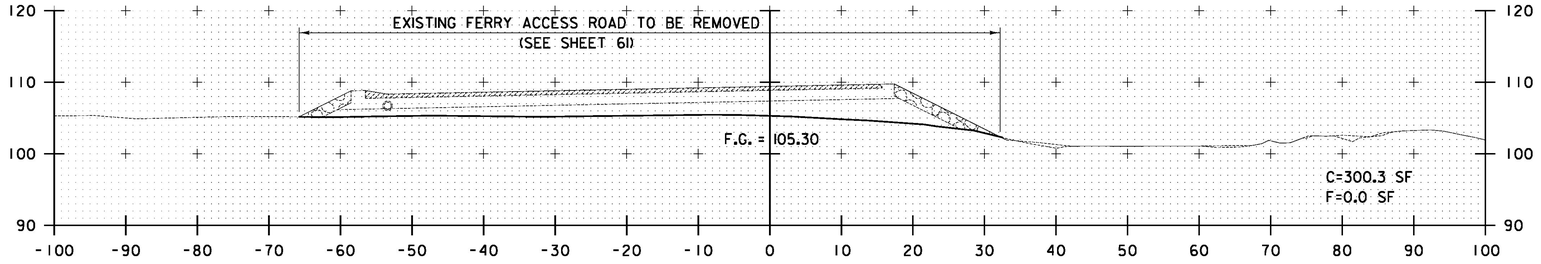
CP 18+60

0 10 20
SCALE IN FEET

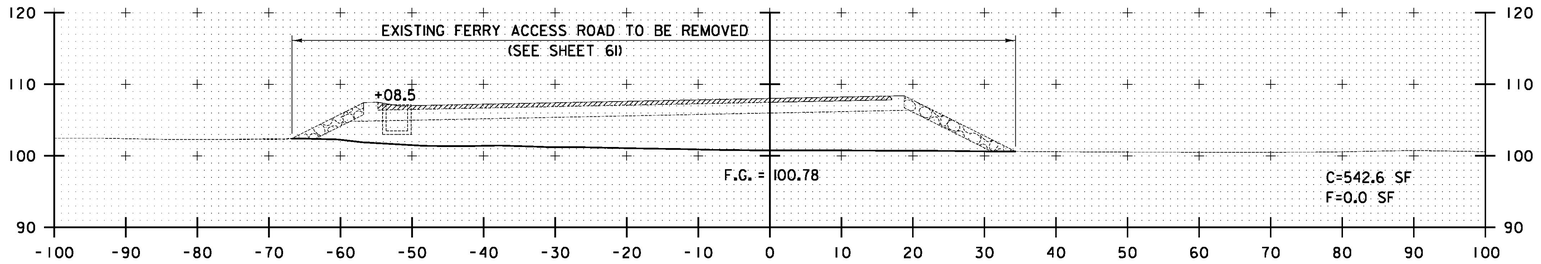
STA. CP 18+00 TO STA. CP 18+60

CROSS SECTION SHEET #4	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION PROJECT NUMBER: STP 032-1(18)
	FILE NAME: z12E008_xsec_01.dgn PROJECT LEADER: D.E.G. DESIGNED BY: B.T.H. DWG. NO.: XS-4
	PLOT DATE: 7/12/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 78 OF 100

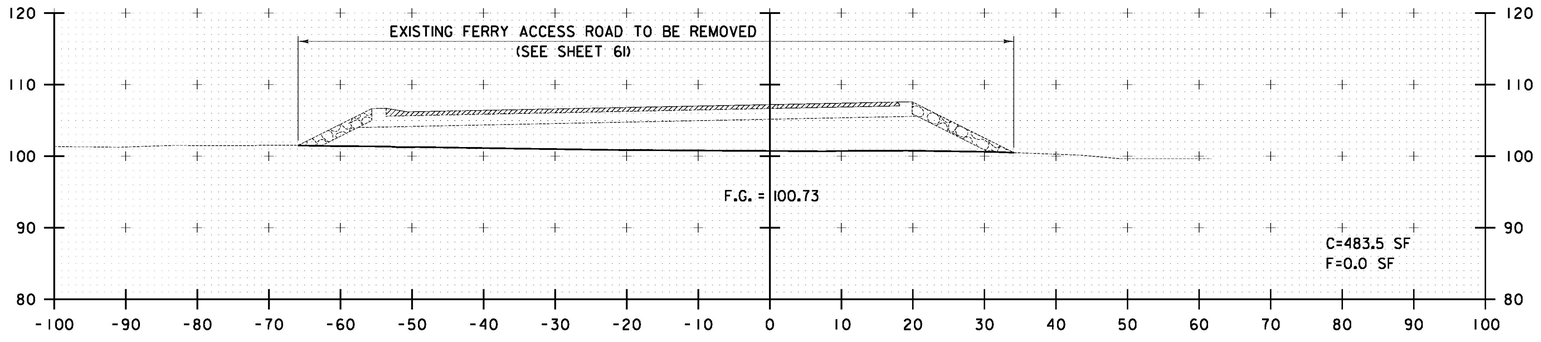
FILE NAME = U:\2012\CADD\MSTN\z12E008_xsec_01.dgn
DATE/TIME = 7/12/2012
USER = #266



VF 18+50



VF 18+00



VF 17+59

0 10 20
SCALE IN FEET

STA. VF 17+59 TO STA. VF 18+50

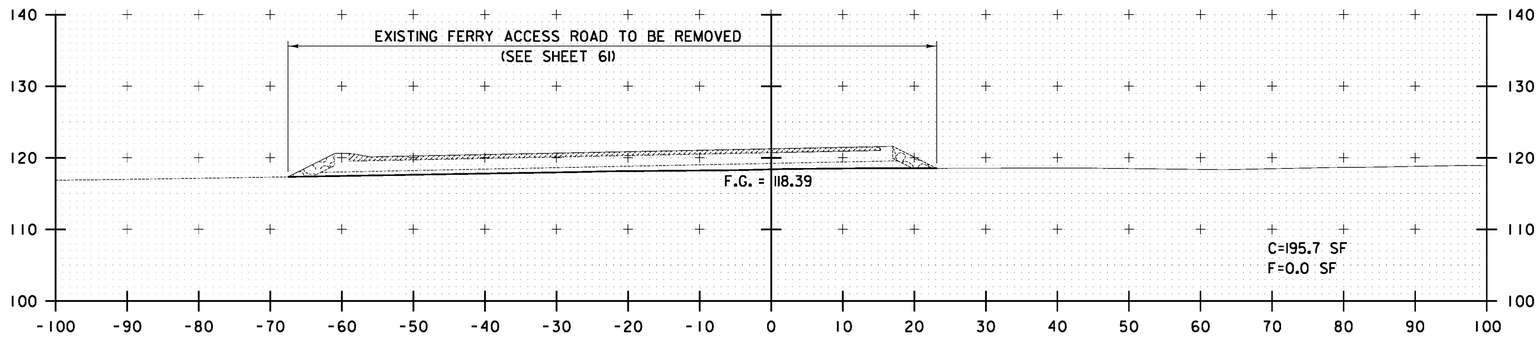
FILE NAME = U:\20330\CADD\MSTN\z12E008_xsec_02.dgn
DATE/TIME = 7/12/2012
USER = 4066

CROSS SECTION SHEET #5

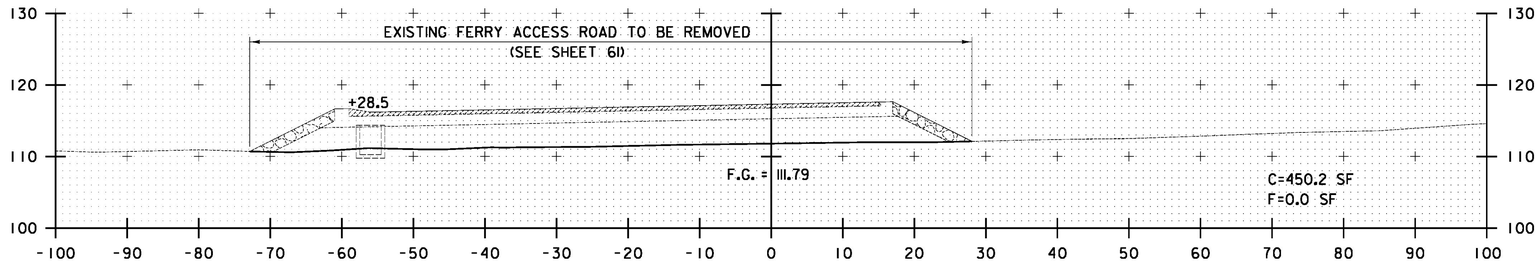
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-5

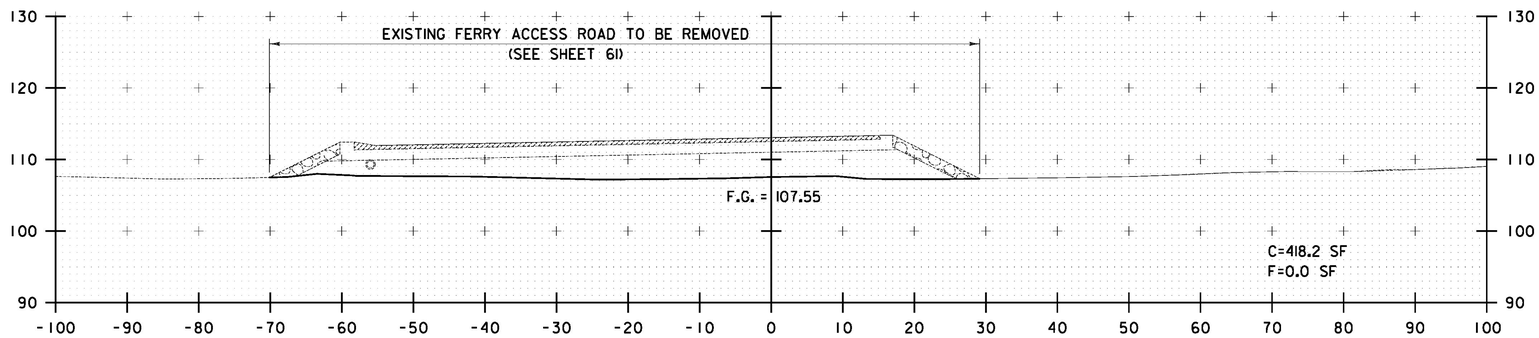
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 79 OF 100



VF 20+00



VF 19+50



VF 19+00

0 10 20
SCALE IN FEET

STA. VF 19+00 TO STA. VF 20+00

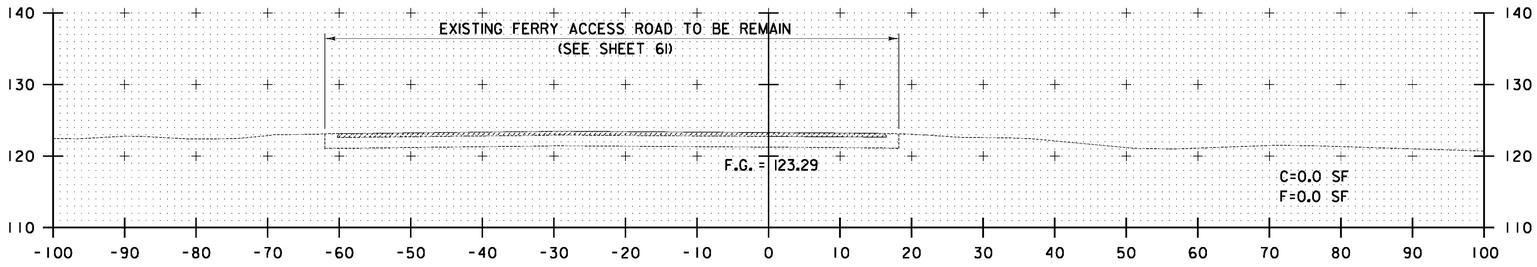
FILE NAME = U:\2033R\CADD\MSTN\z12E008_xsec_02.dgn
DATE/TIME = 7/12/2012
USER = 4086

CROSS SECTION SHEET #6

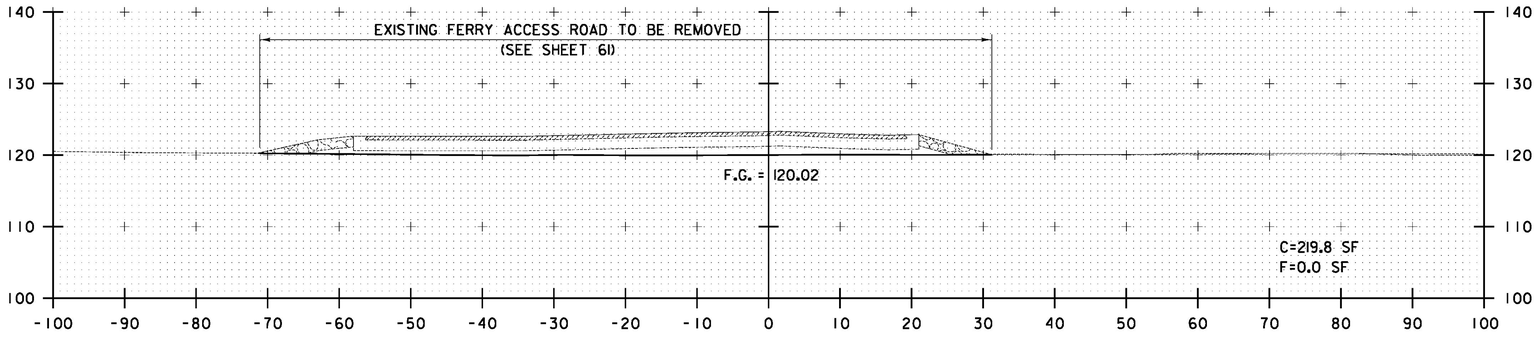
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-6

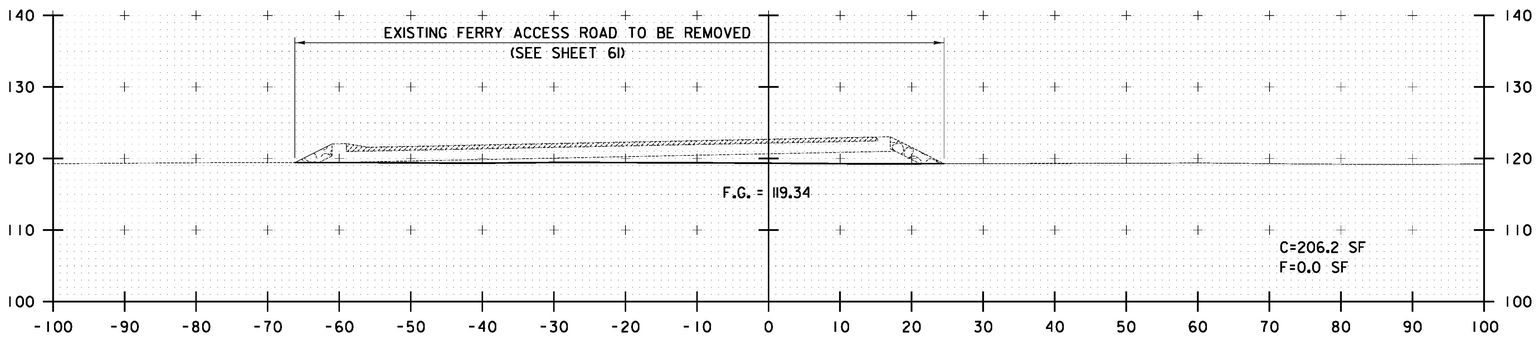
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 80 OF 100



VF 21+23



VF 21+00



VF 20+50

0 10 20
SCALE IN FEET

STA. VF 20+50 TO STA. VF 21+23

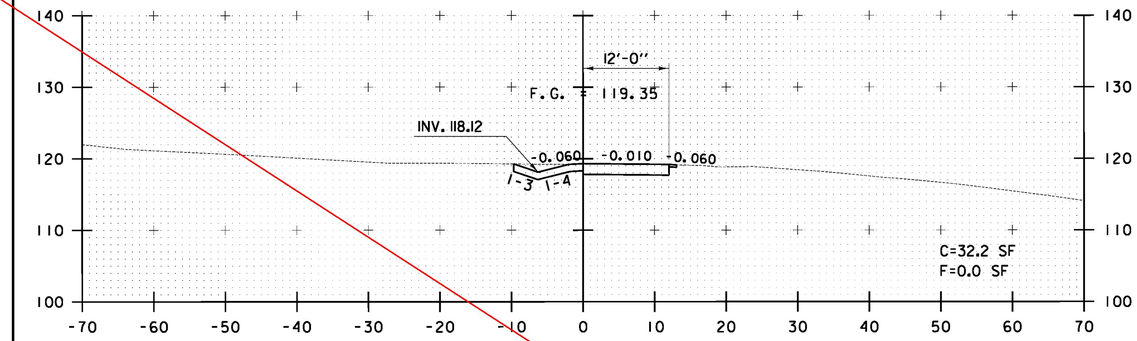
FILE NAME = U:\2833\CADD\MSTN\z12E008_xsec_02.dgn
DATE/TIME = 7/12/2012
USER = 4066

CROSS SECTION SHEET #7

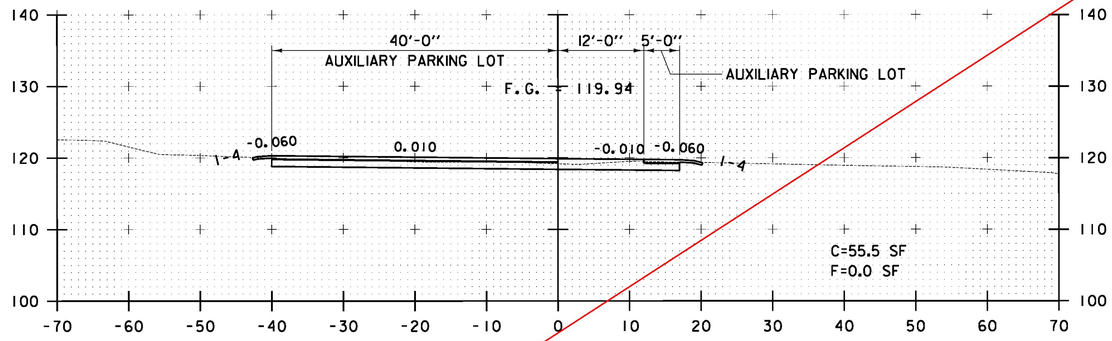
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_02.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-7

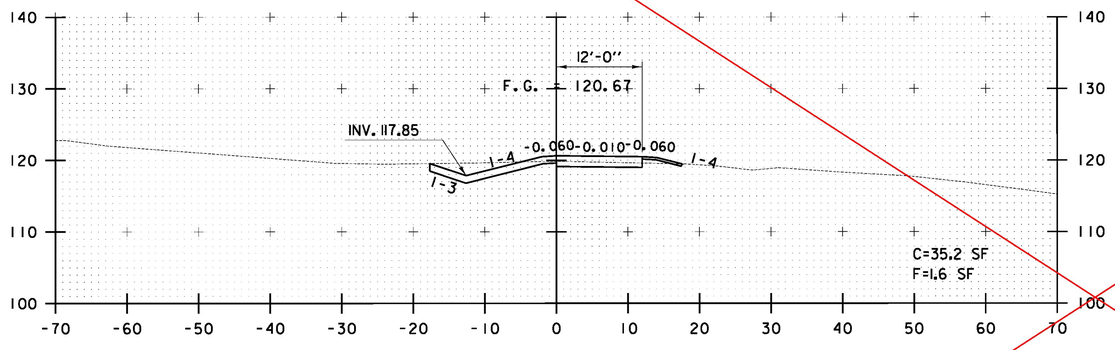
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 81 OF 100



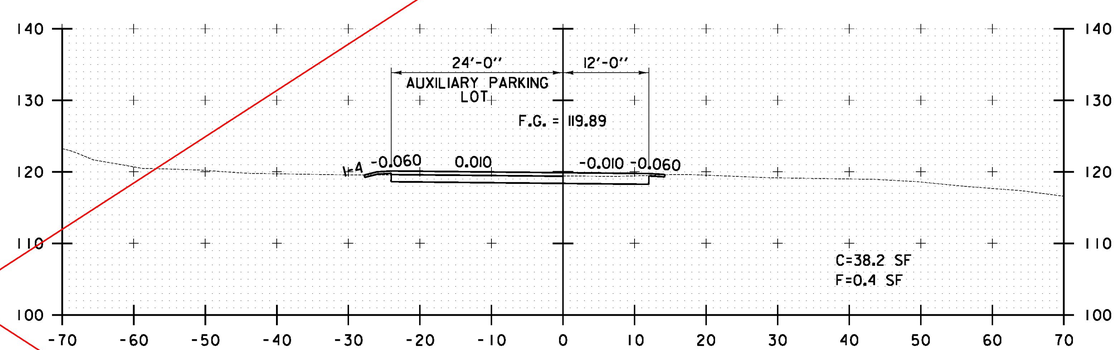
P 11+00



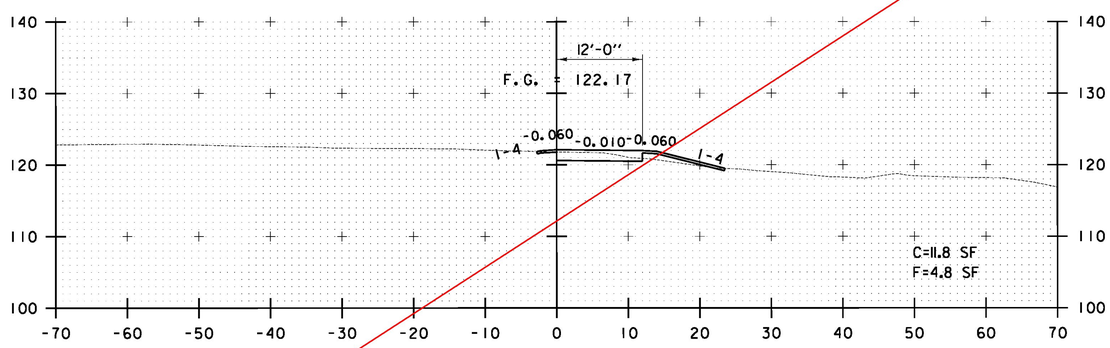
P 12+50



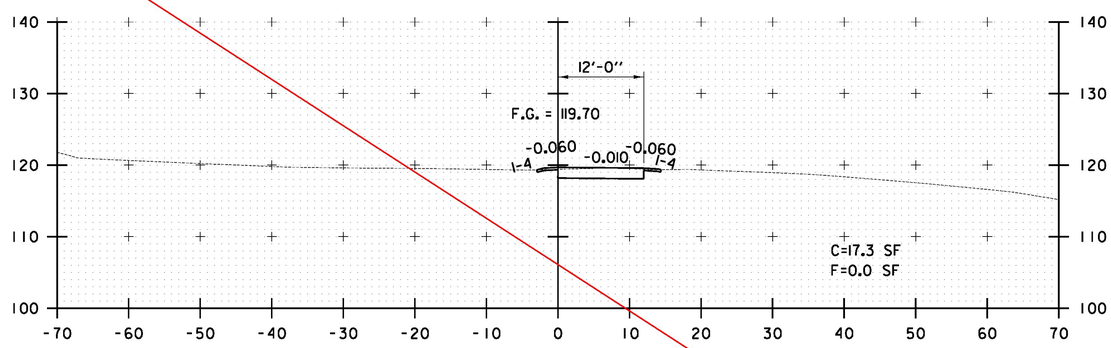
P 10+50



P 12+00



P 10+00



P 11+50

SEE REVISED SHEET 82A

0 10 20
SCALE IN FEET

STA. P 10+00 TO STA. P 12+50

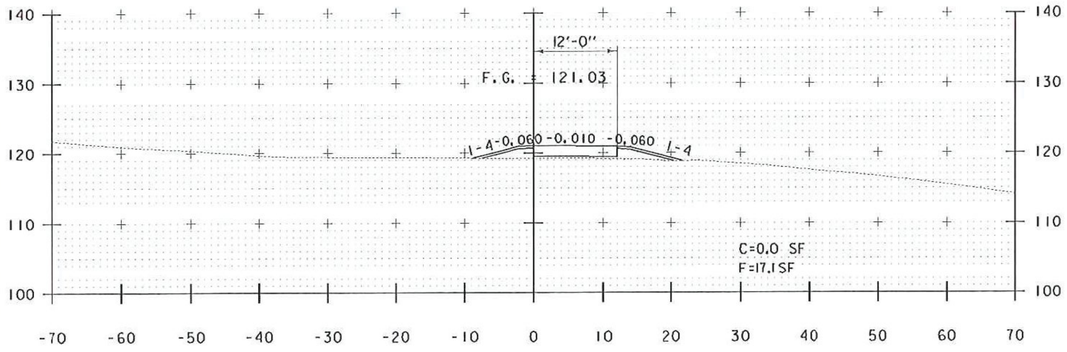
FILE NAME = U:\2033A\CADD\MSTN\z12E008_xsec_03.dgn
DATE/TIME = 7/12/2012
USER = 4866

CROSS SECTION SHEET #8

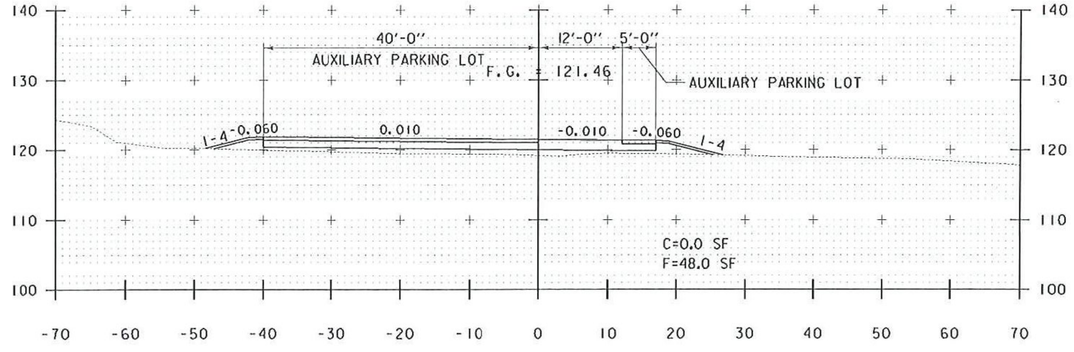
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-8

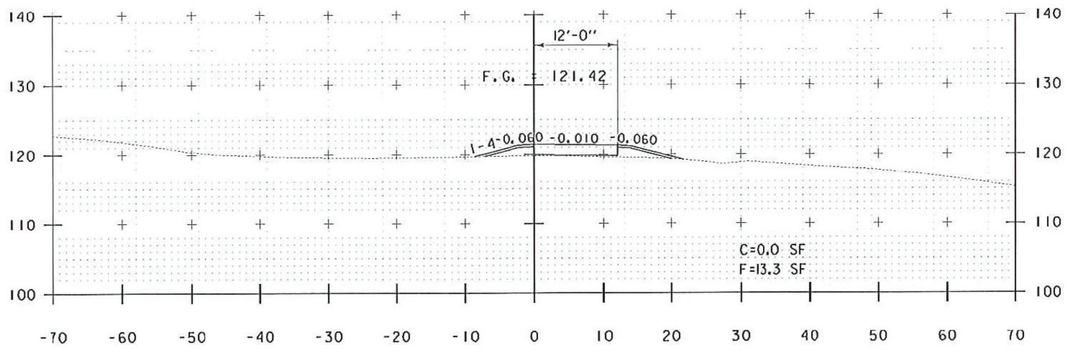
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 82 OF 100



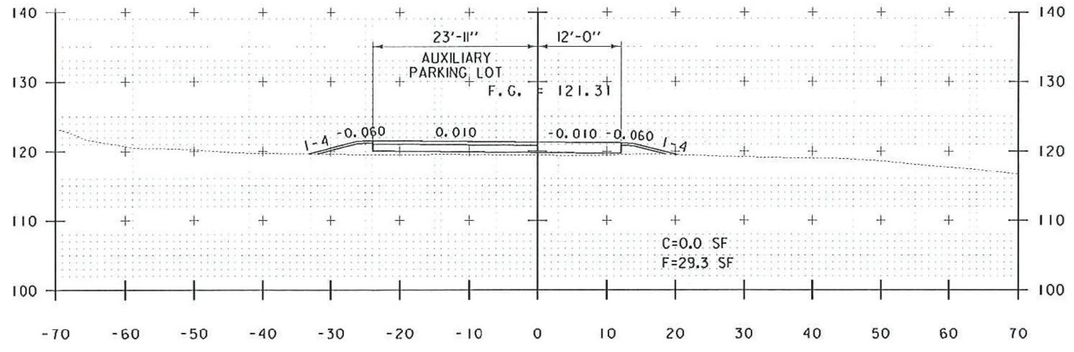
P 11+00



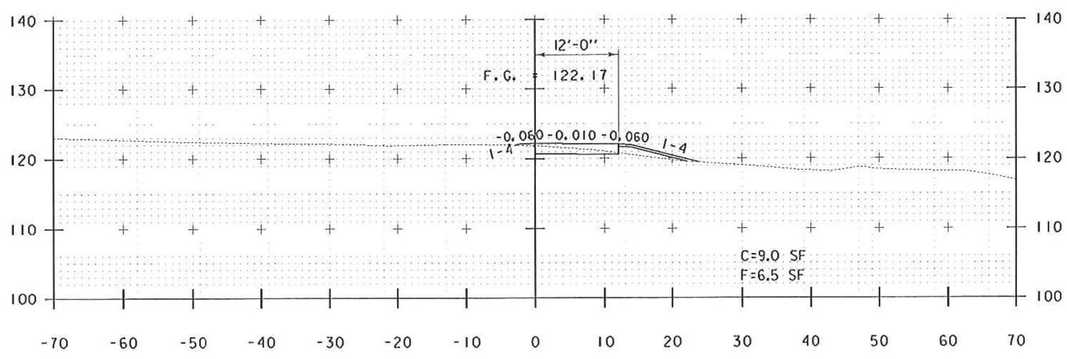
P 12+50



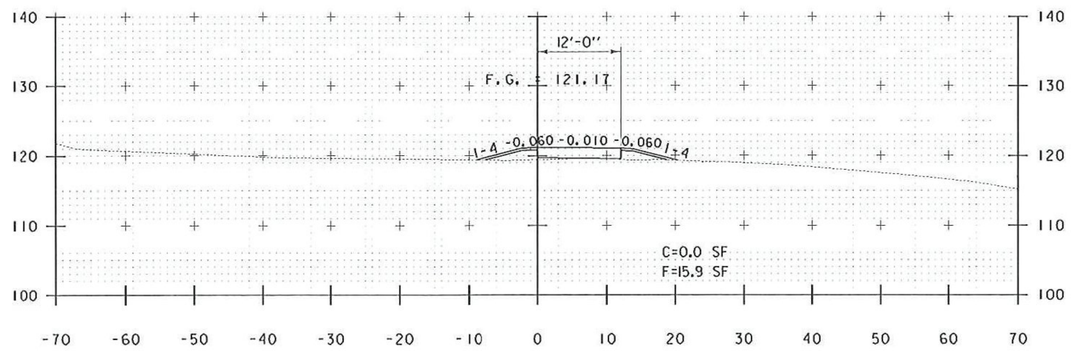
P 10+50



P 12+00



P 10+00



P 11+50

0 10 20
SCALE IN FEET

REVISED APRIL 1, 2013

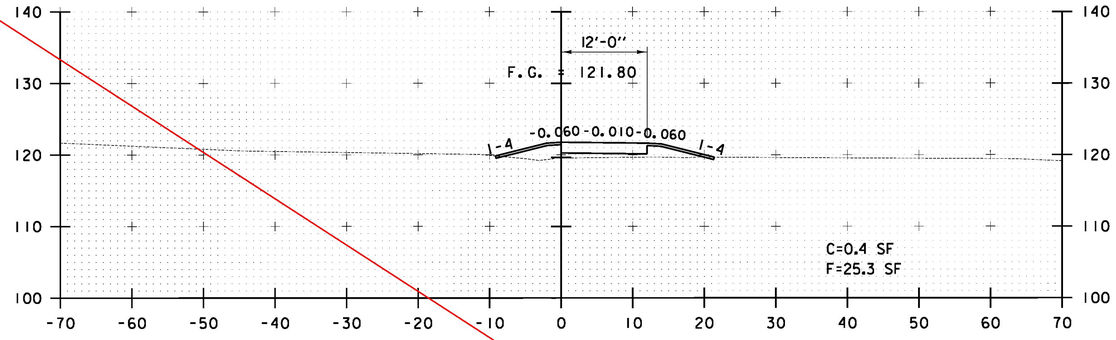
CROSS SECTION SHEET #8

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

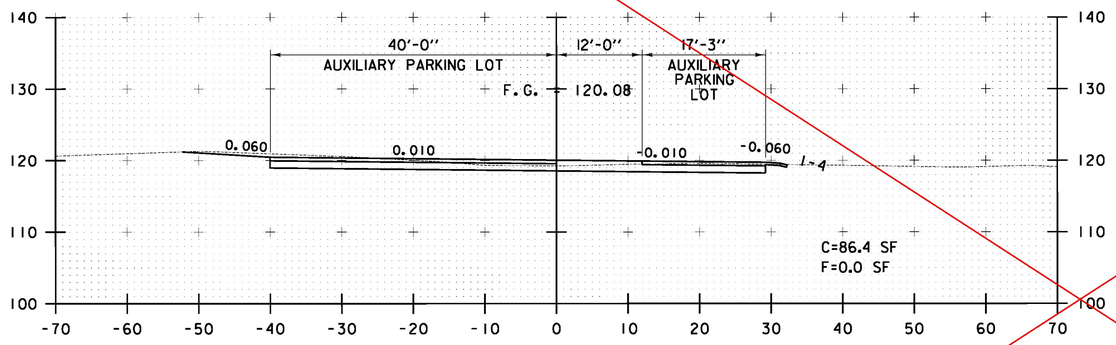
FILE NAME: zl2E008_xsec_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-8

PLOT DATE: 4/3/2013
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 82A OF 100

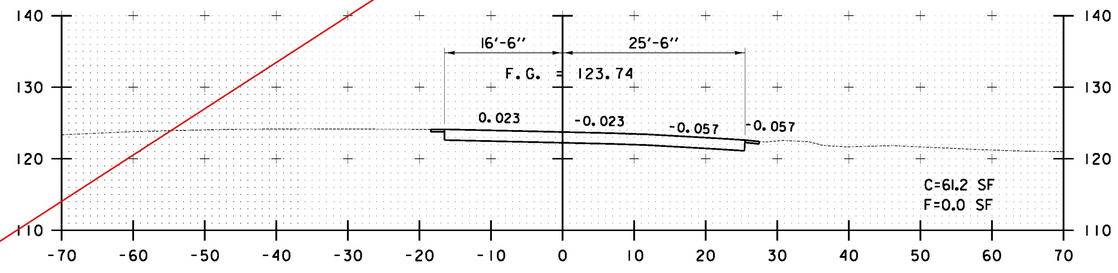
FILE NAME = U:\2013\CADD\MGTV\April 2013 Revisions\zl2E008_xsec_03.dgn
DATE/TIME = 4/3/2013
USER = ADS



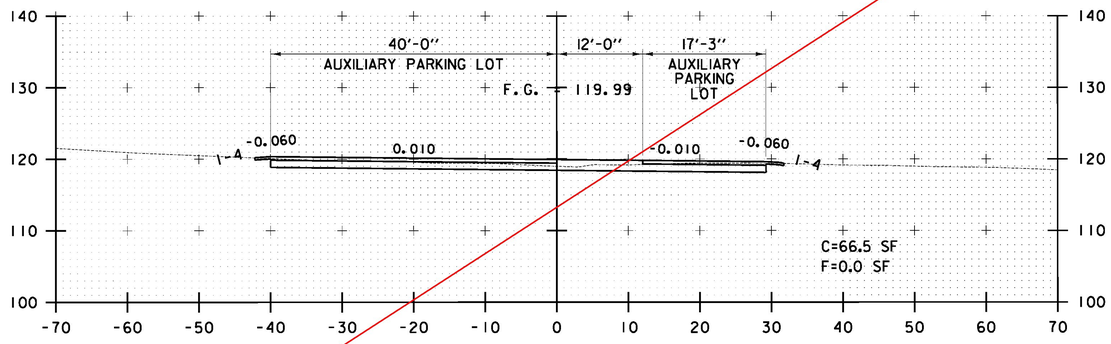
P 14+00



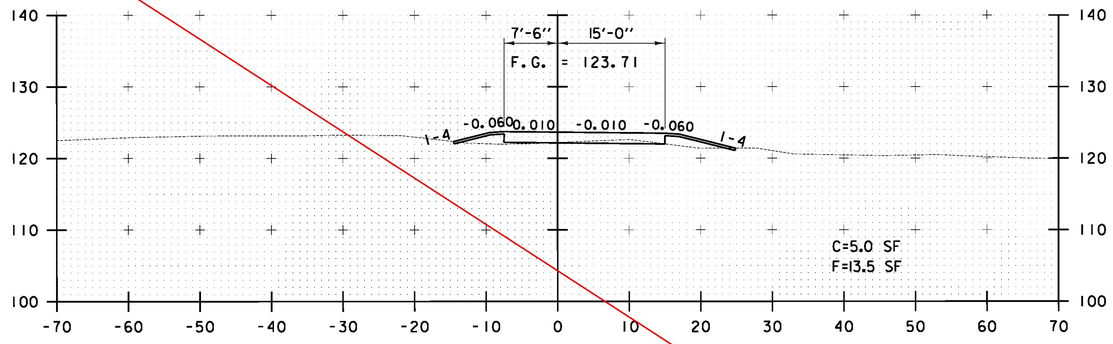
P 13+50



P 14+60



P 13+00



P 14+50

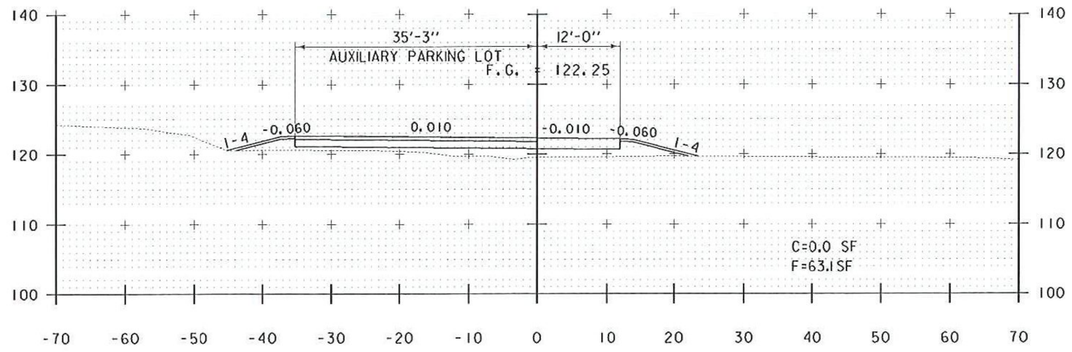
SEE REVISED SHEET 83A

0 10 20
SCALE IN FEET

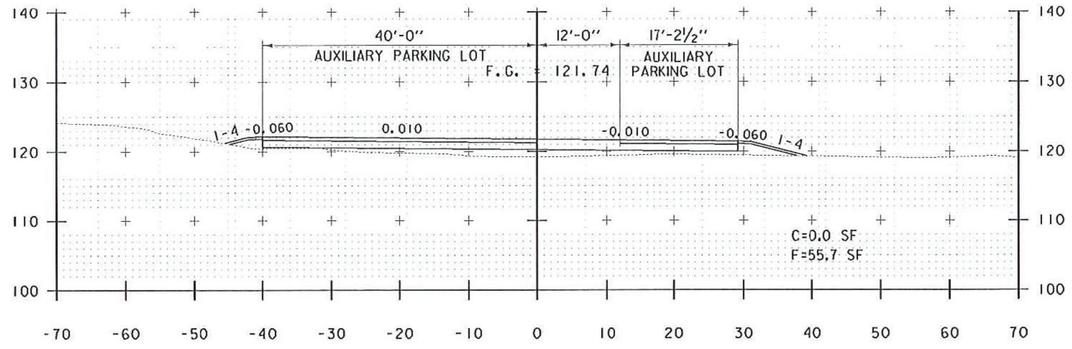
STA. P 13+00 TO STA. P 14+60

CROSS SECTION SHEET #9	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION PROJECT NUMBER: STP 032-1(18)
	FILE NAME: z12E008_xsec_03.dgn PROJECT LEADER: D.E.G. DESIGNED BY: B.T.H. DWG. NO.: XS-9 PLOT DATE: 7/12/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 83 OF 100

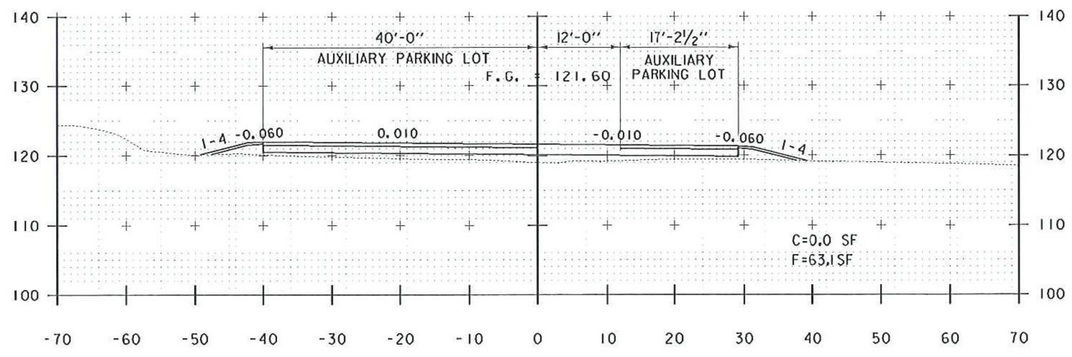
FILE NAME = U:\20330\CADD\MSTN\z12E008_xsec_03.dgn
DATE/TIME = 7/12/2012
USER = 4066



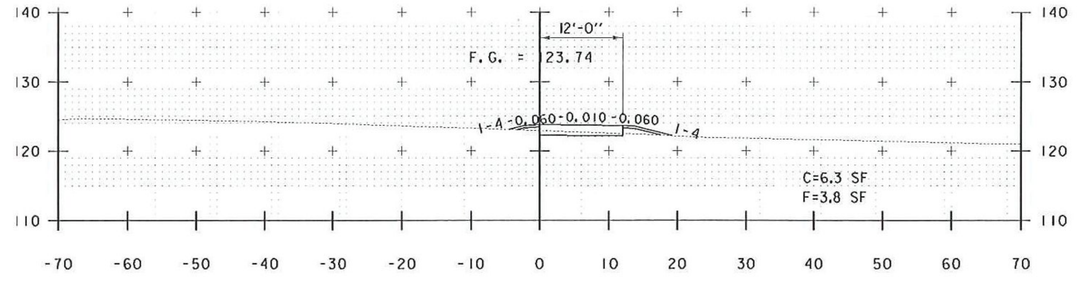
P 14+00



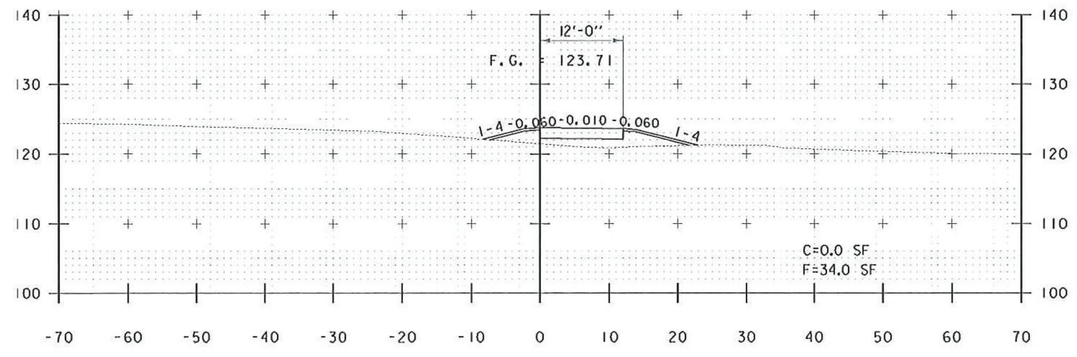
P 13+50



P 13+00



P 14+60



P 14+50

0 10 20
SCALE IN FEET

REVISED APRIL 1, 2013

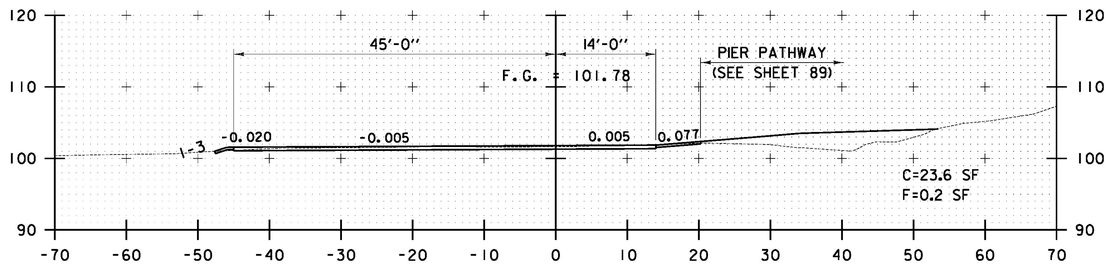
CROSS SECTION SHEET #9

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

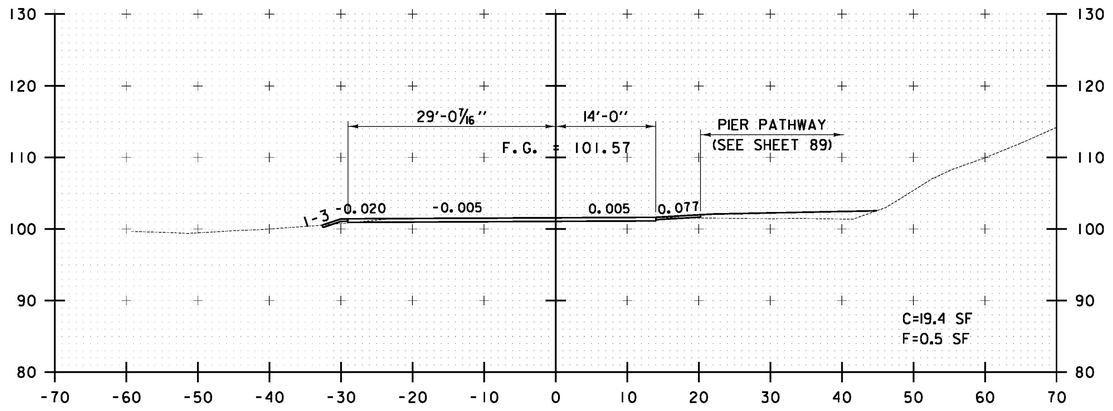
FILE NAME: zl2E008_xsec_03.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-9

PLOT DATE: 4/3/2013
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 83A OF 100

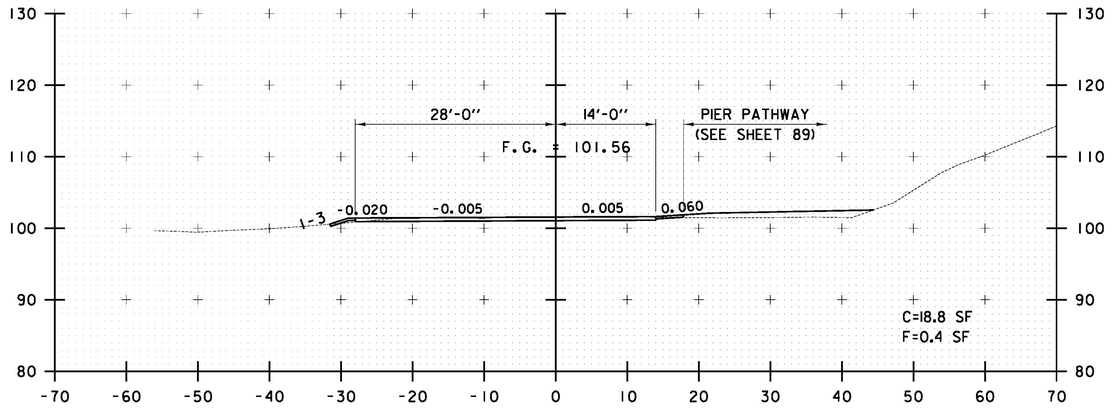
FILE NAME = U:\2013\CADD\MSTV\April 2013 Revisions\zl2E008_xsec_03.dgn
DATE/TIME = 4/3/2013
USER = 4866



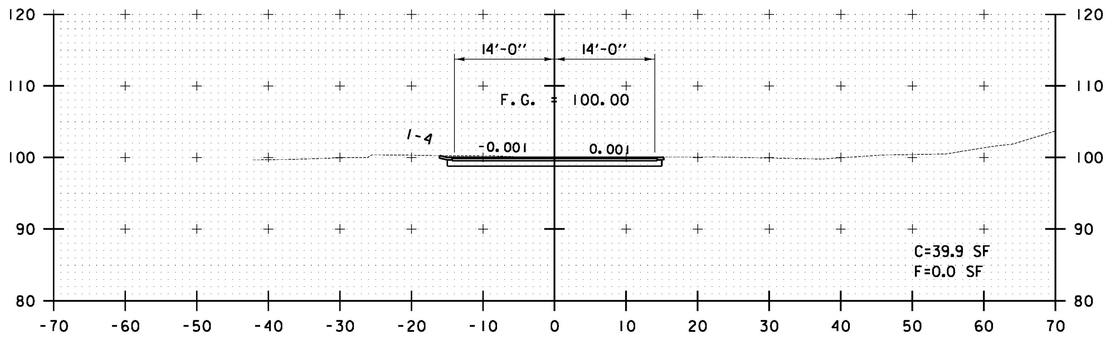
VB 4+50



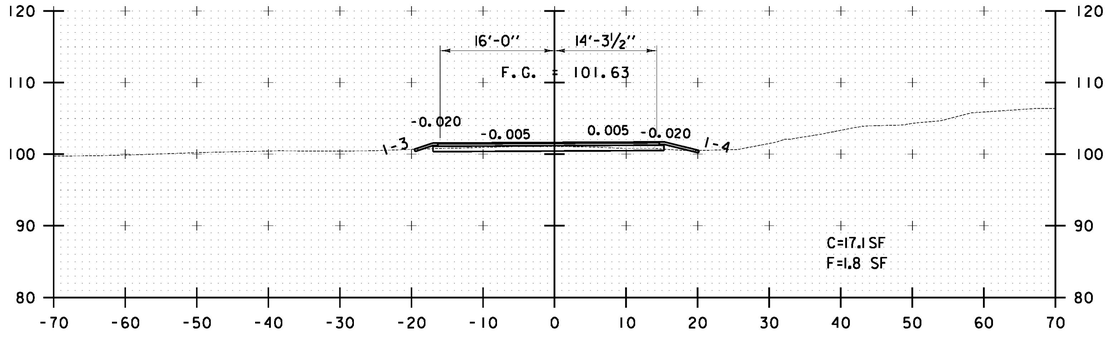
VB 4+00



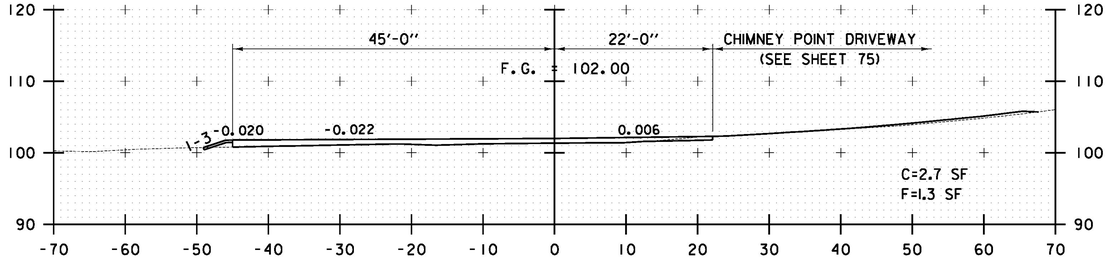
VB 3+98



VB 5+75



VB 5+50



VB 5+00

0 10 20
SCALE IN FEET

STA. VB 3+98 TO STA. VB 5+75

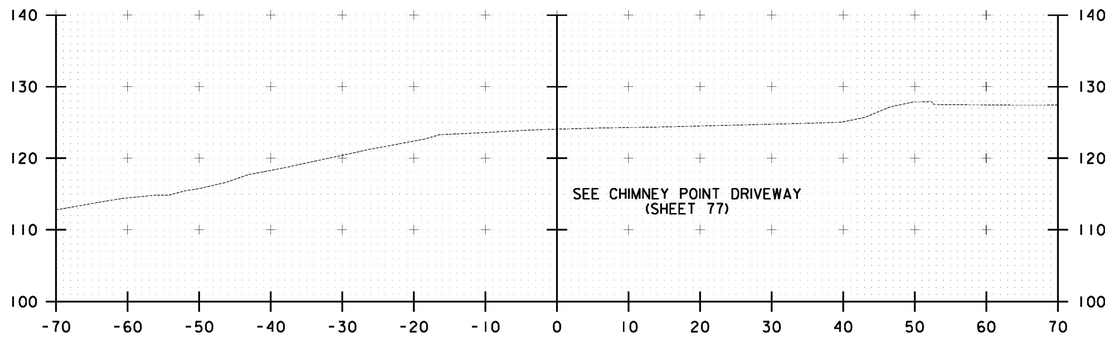
FILE NAME = U:\20330\CADD\MSTN\z12E008_xsec_04.dgn
DATE/TIME = 7/12/2012
USER = 4066

CROSS SECTION SHEET #10

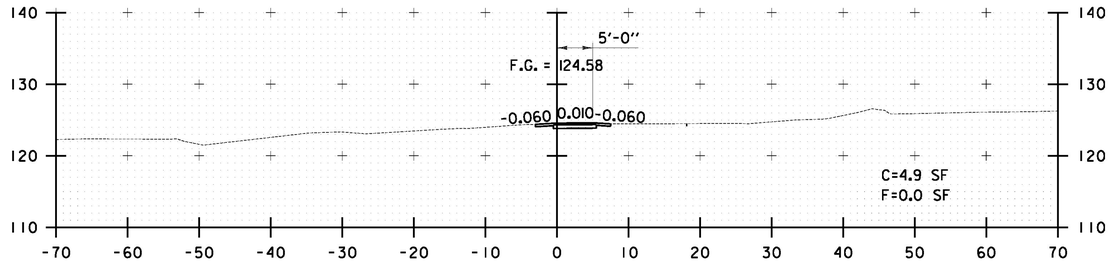
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_04.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-10

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 84 OF 100



NF 11+00



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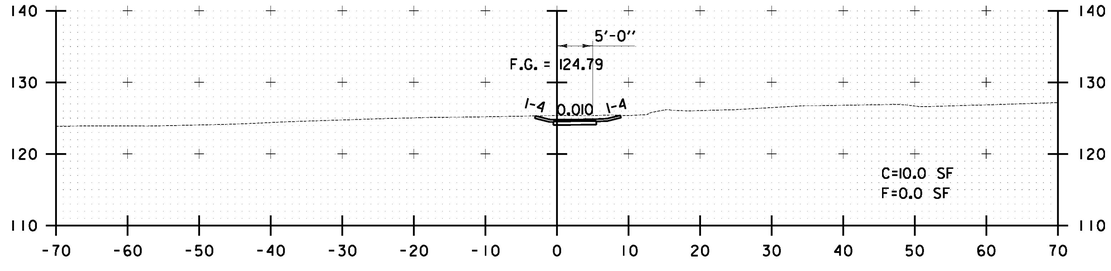
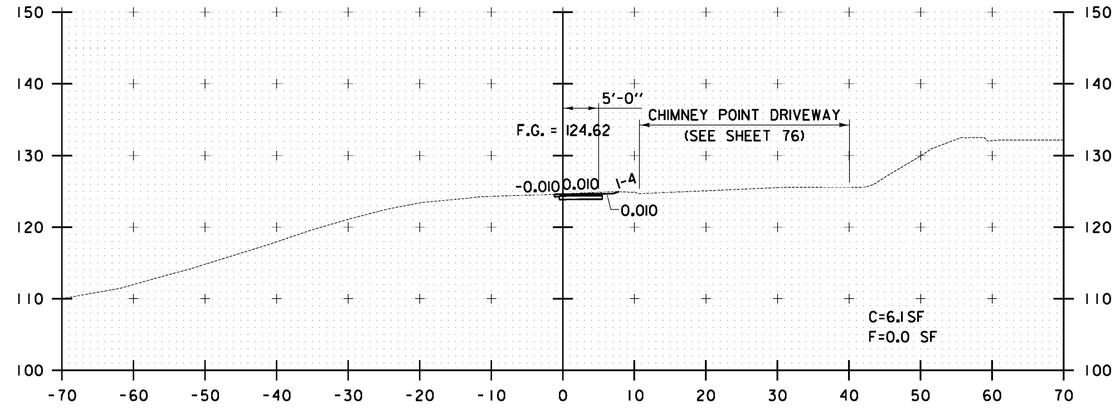
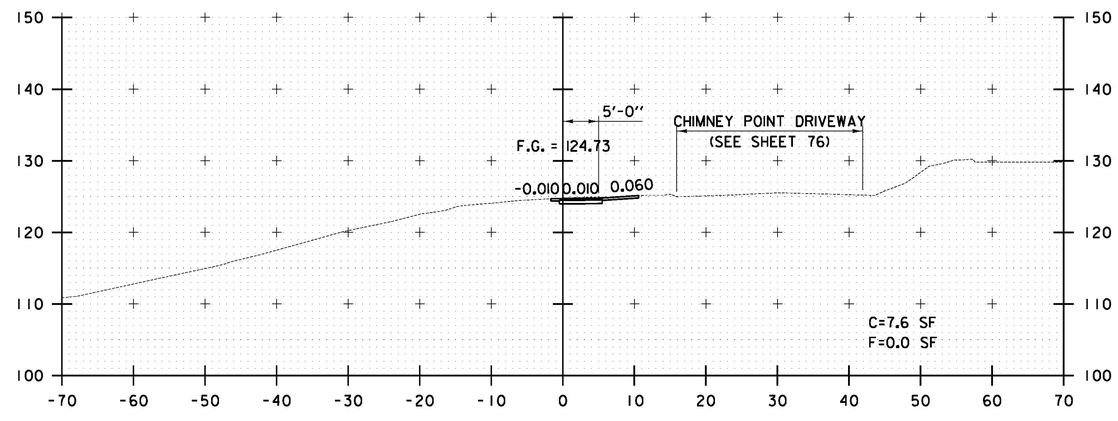


NF 10+00



NF 12+00



NF 11+50

0 10 20
SCALE IN FEET

STA. NF 10+00 TO STA. NF 12+00

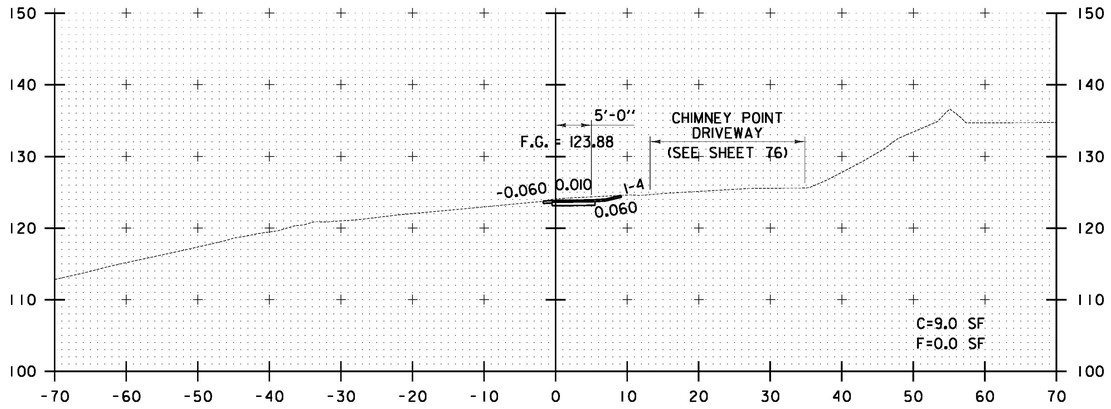
FILE NAME = U:\20330\CADD\MSTN\z12E008_xsec_05.dgn
DATE/TIME = 7/12/2012
USER = 4666

CROSS SECTION SHEET #11

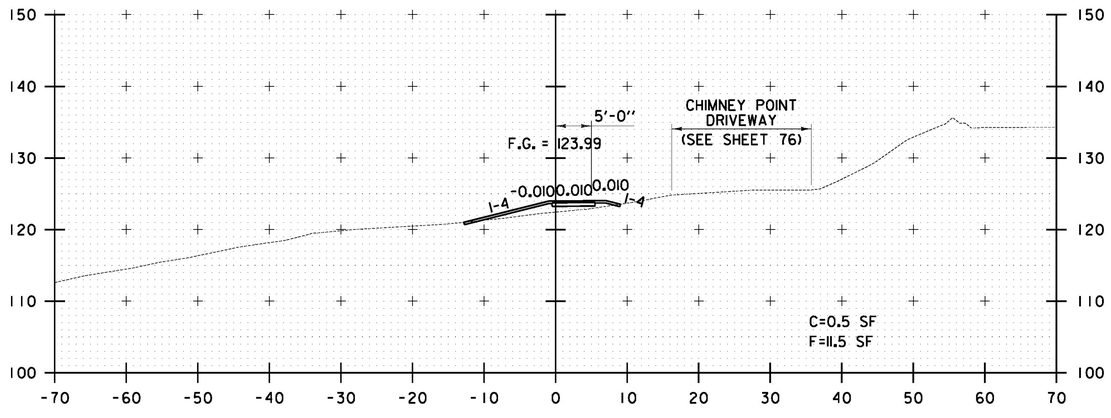
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_05.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-11

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 85 OF 100



NF 12+59



NF 12+50

0 10 20
SCALE IN FEET

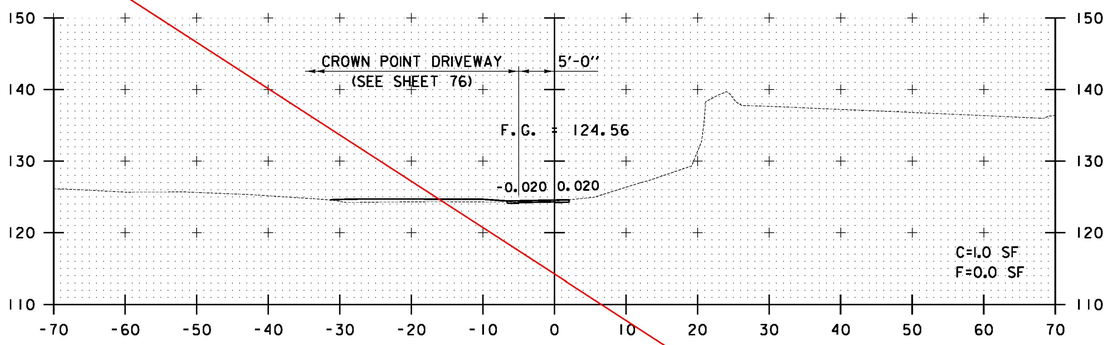
STA. NF 12+50 TO STA. NF 12+59

FILE NAME = U:\20330\CADD\MSTN\z12E008_xsec_05.dgn
DATE/TIME = 7/12/2012
USER = 4066

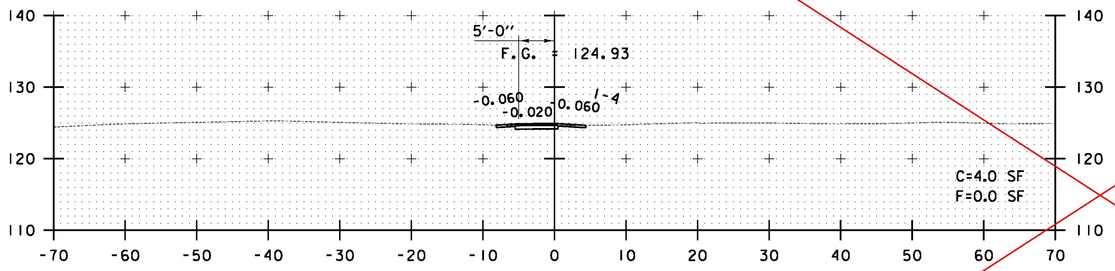
CROSS SECTION SHEET #12

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

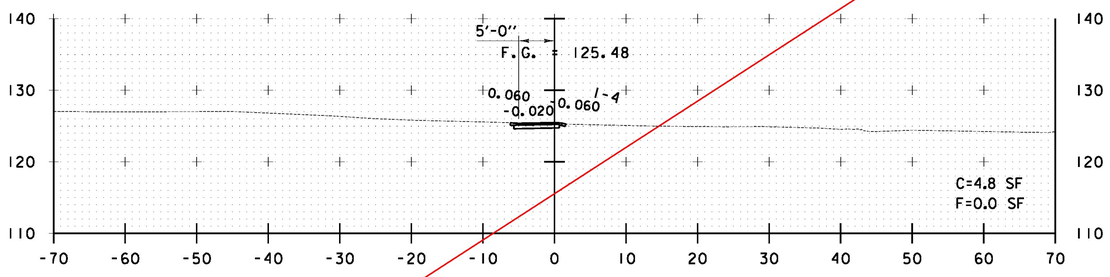
FILE NAME: z12E008_xsec_05.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: XS-12	SHEET 86 OF 100



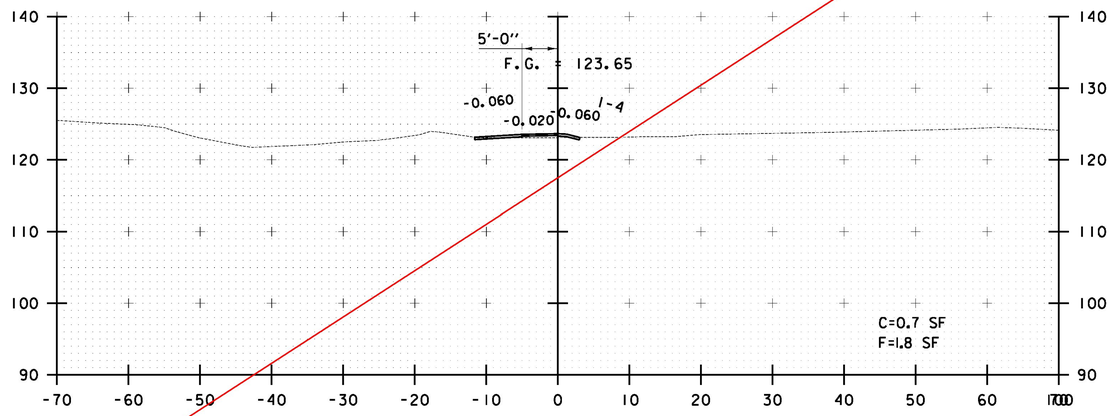
M 1+50



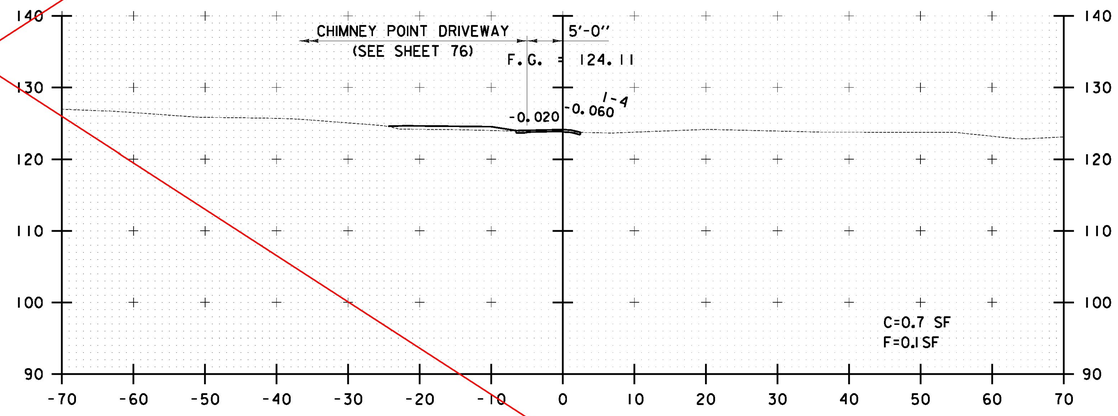
M 1+25



M 1+00



M 2+00



M 1+75

0 10 20
SCALE IN FEET

STA. M 1+00 TO STA. M 2+00

SEE REVISED SHEET 87A

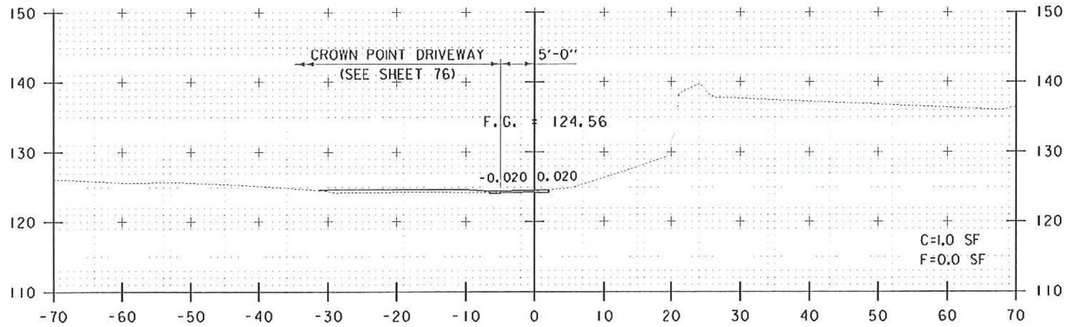
FILE NAME = U:\2033R\CADD\MSTN\z12E008_xsec_06.dgn
DATE/TIME = 7/12/2012
USER = 4266

CROSS SECTION SHEET #13

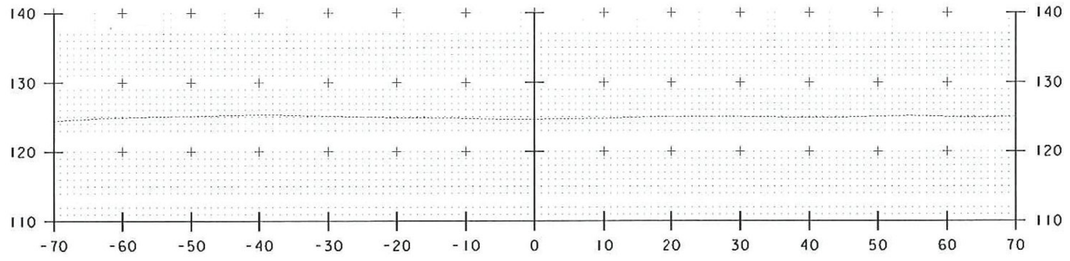
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_06.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-13

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 87 OF 100



M 1+50



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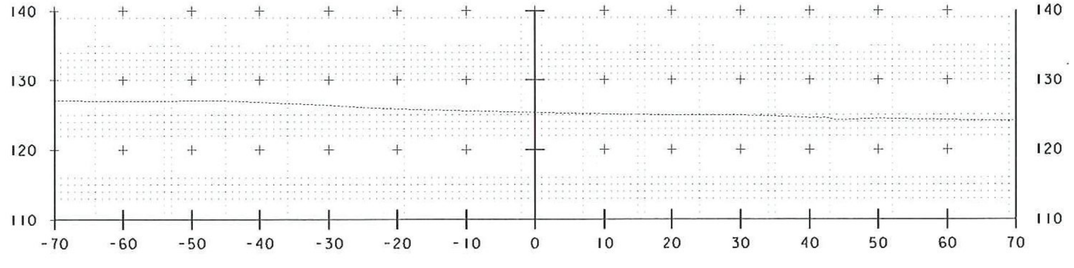

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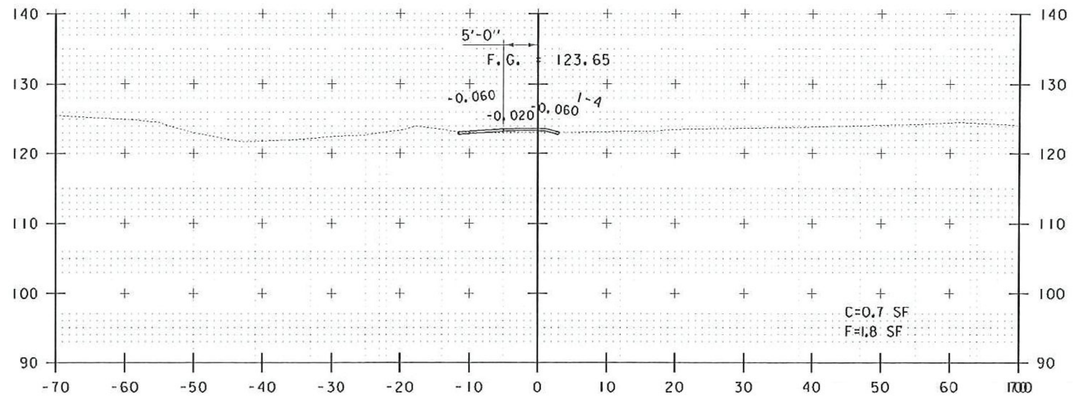

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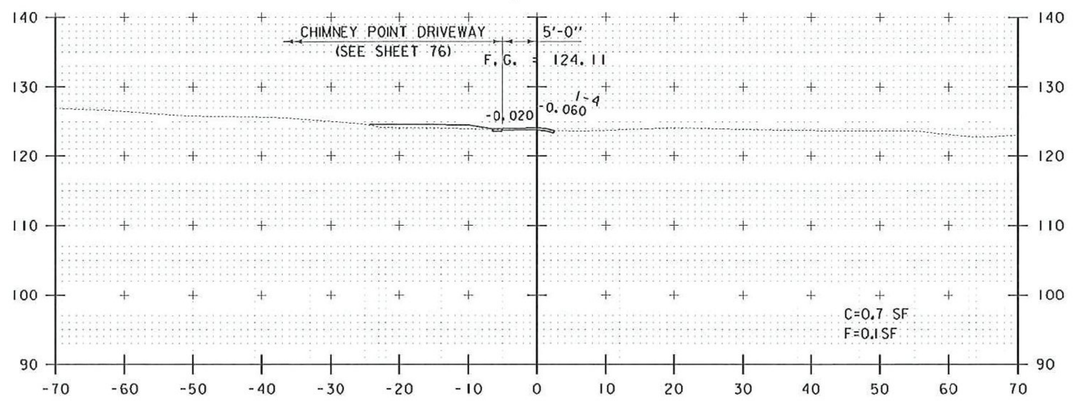


M 1+75

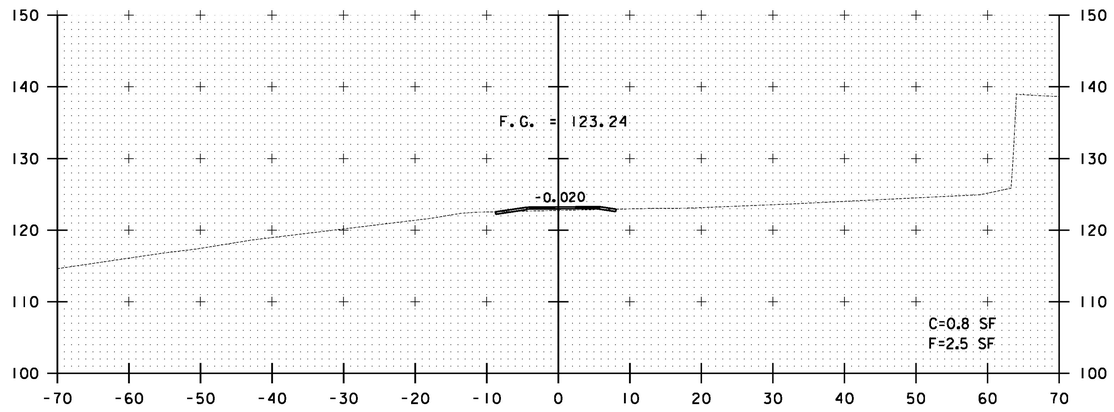
0 10 20
SCALE IN FEET

STA. M 1+00 TO STA. M 2+00

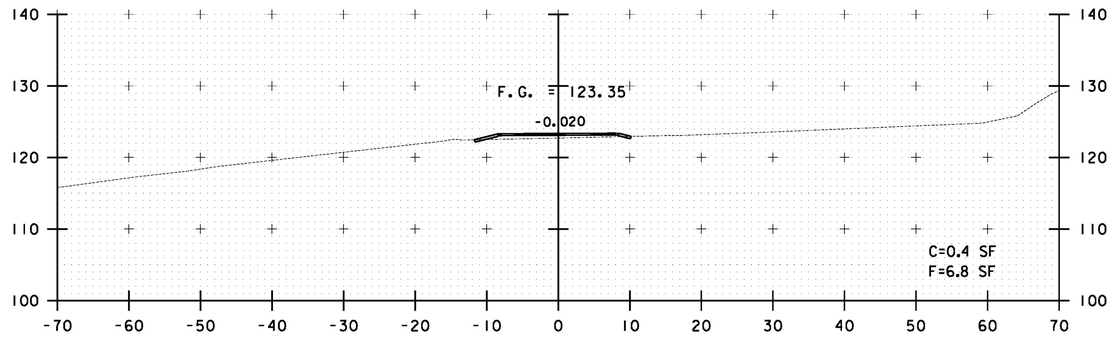
REVISED APRIL 1, 2013

CROSS SECTION SHEET #13	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
	PROJECT NUMBER: STP 032-I(18)
	FILE NAME: z12E008_xsec_06.dgn — PLOT DATE: 4/3/2013
	PROJECT LEADER: D.E.G. — DRAWN BY: W.G.P.
	DESIGNED BY: B.T.H. — CHECKED BY: D.E.G.
	DWG. NO.: XS-13 — SHEET 87A OF 100

FILE NAME = Us\28338\CADD\MSTN\April 2013 Revisions\z12E008_xsec_06.dgn
DATE/TIME = 4/2/2013
USER = 4866



M 2+23



M 2+17

0 10 20
SCALE IN FEET

STA. M 2+17 TO STA. M 2+23

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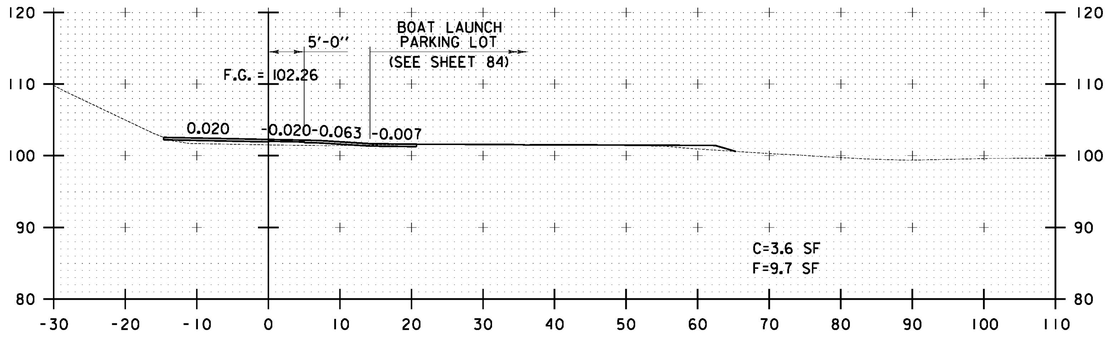
DATE/TIME = 7/12/2012
USER = 4066

CROSS SECTION SHEET #14

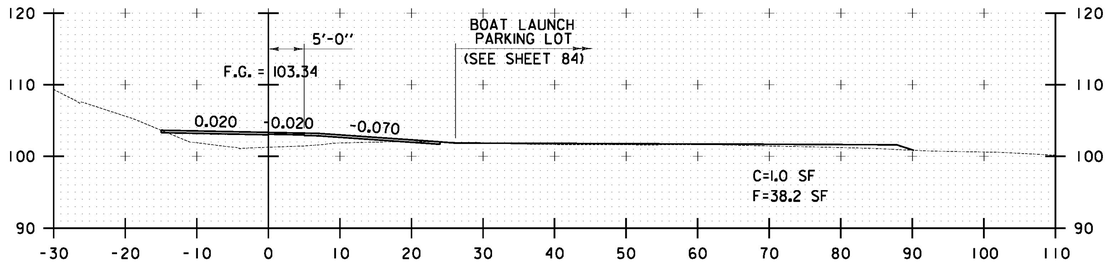
PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_06.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-14

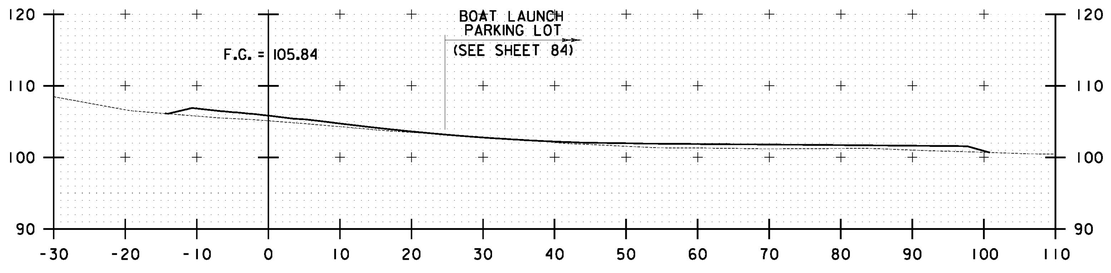
PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 88 OF 100



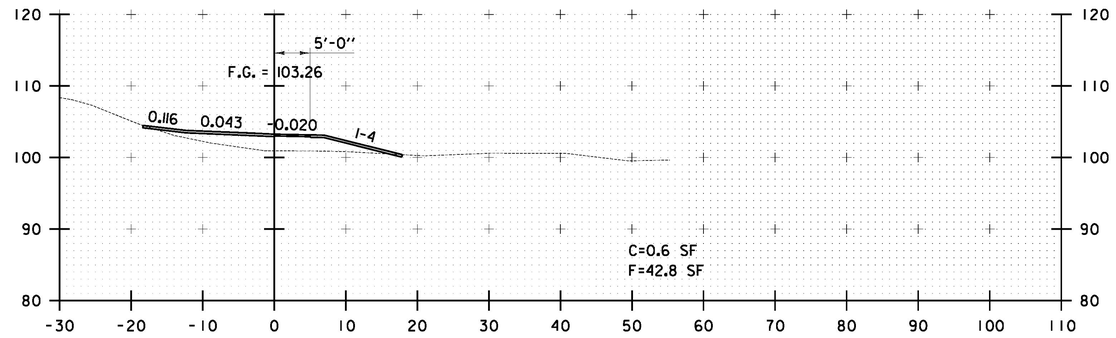
L 2+00



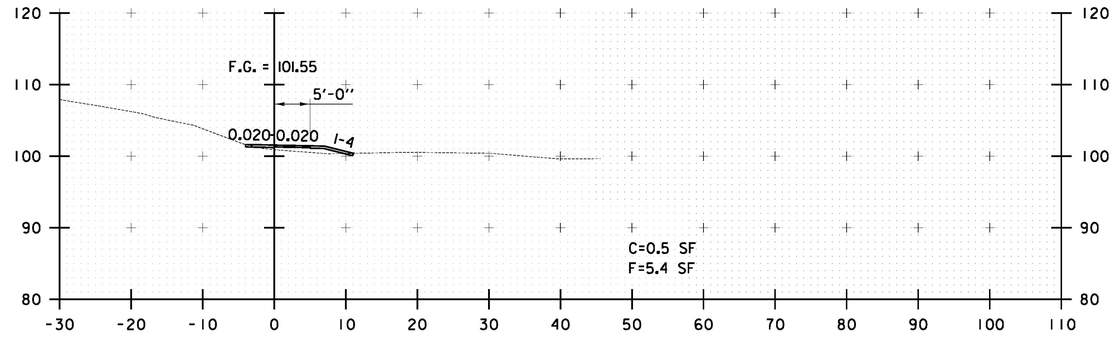
L 1+50



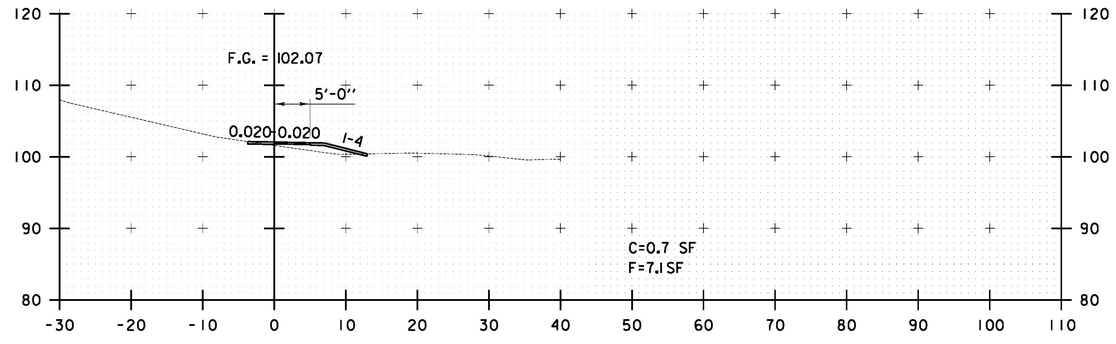
L 1+00



L 3+50



L 3+00



L 2+50

0 10 20
SCALE IN FEET

STA. L 1+00 TO STA. L 3+50

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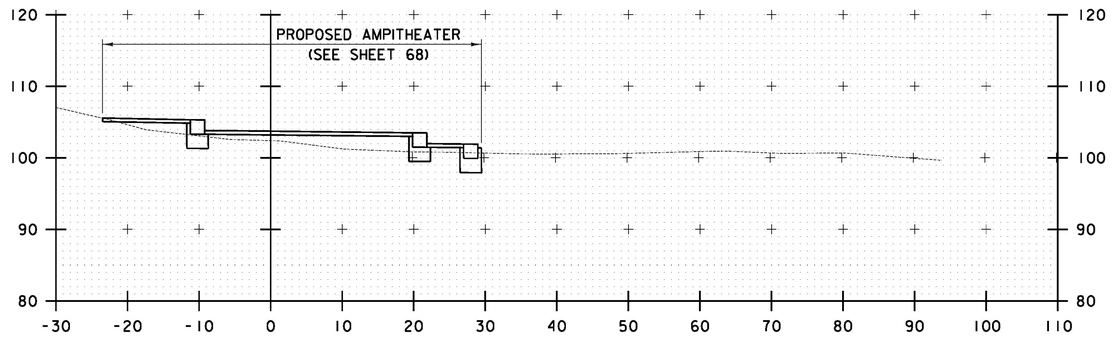
DATE/TIME = 7/12/2012
USER = wgp

CROSS SECTION SHEET #15

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_07.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: B.T.H.
DWG. NO.: XS-15

PLOT DATE: 7/12/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 89 OF 100



L 4+00

0 10 20
SCALE IN FEET

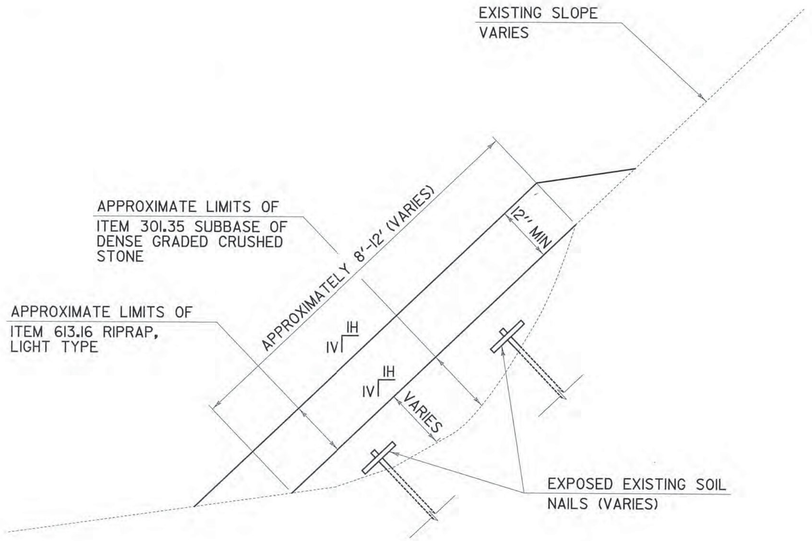
STA. L 4+00 TO STA. L 4+00

FILE NAME = U:\20330\CADD\MSTN\z12E008_xsec_07.dgn
DATE/TIME = 7/12/2012
USER = 4066

CROSS SECTION SHEET #16

PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION
PROJECT NUMBER: STP 032-1(18)

FILE NAME: z12E008_xsec_07.dgn	PLOT DATE: 7/12/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: B.T.H.	CHECKED BY: D.E.G.
DWG. NO.: XS-16	SHEET 90 OF 100



SOIL NAIL SLOPE EROSION REPAIR DETAIL

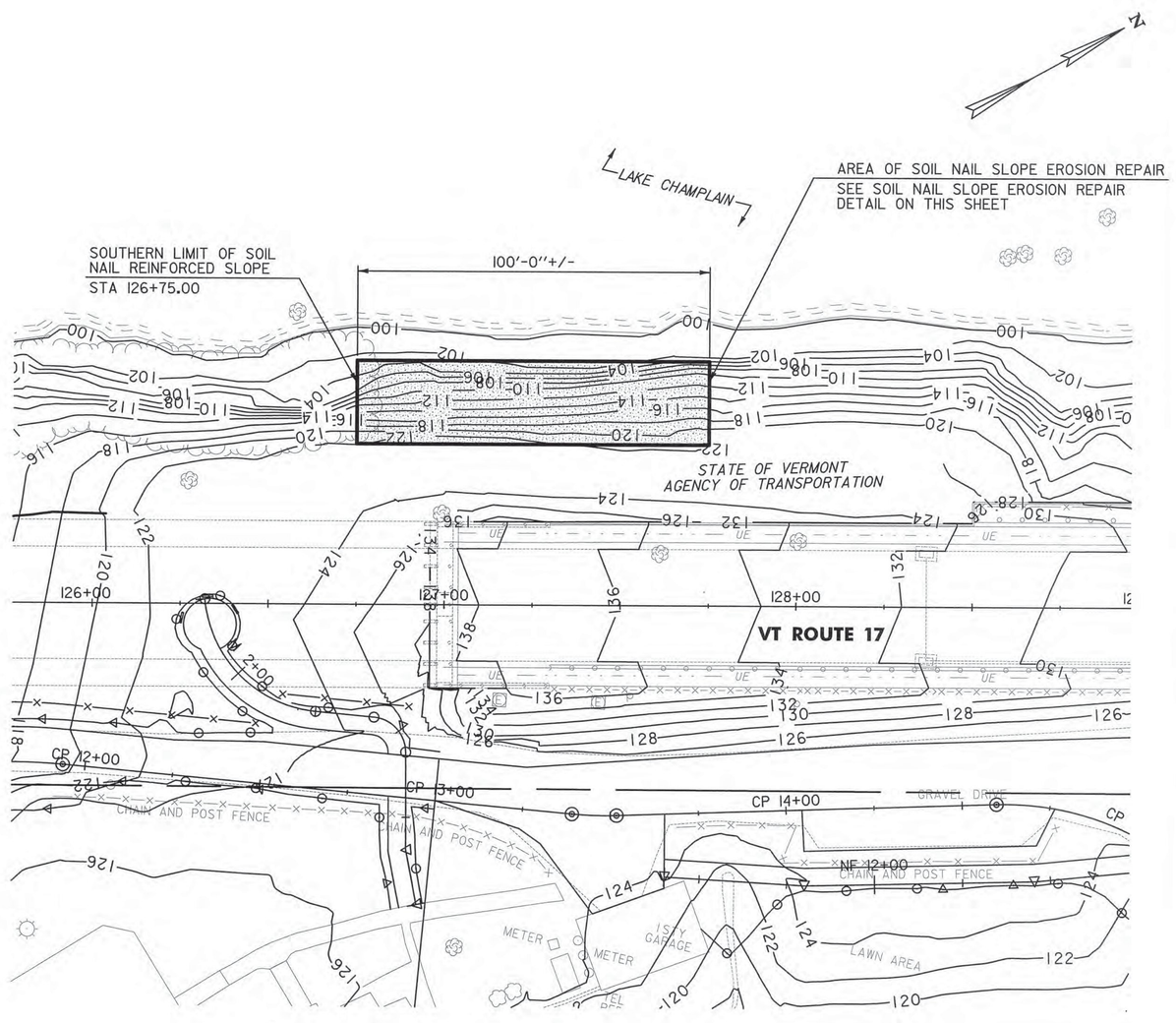
N.T.S.

ESTIMATED CONSTRUCTION QUANTITIES

ITEM NUMBER	DESCRIPTION	QUANTITY	UNITS
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	75	CY
613.16	RIPRAP, LIGHT TYPE	50	CY

NOTES:

1. SUBBASE OF DENSE GRADED CRUSHED STONE (ITEM 301.35) SHALL CONFORM TO SECTION 704.06 OF THE VTRANS 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION BOOK AND SHALL MEET THE GRADATION REQUIREMENTS OF TABLE 704.06A - DENSE GRADED CRUSHED STONE FOR SUBBASE.
2. RIPRAP, LIGHT TYPE (ITEM 613.16) SHALL CONFORM TO SECTION 706.03(B) OF THE VTRANS 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION BOOK.
3. THE AREAS TO BE PROTECTED SHALL BE CONSTRUCTED AS SHOWN ON THIS PLAN FROM THE SOUTHERN LIMIT OF THE EXISTING SOIL NAIL REINFORCEMENT AND SHALL EXTEND APPROXIMATELY 100 FEET TO THE NORTH OR AS DIRECTED BY THE ENGINEER.
4. THE SPECIFIED SUBBASE OF DENSE GRADED CRUSHED STONE SHALL BE PLACED IN ONE COURSE TO THE THICKNESS AS SHOWN ON THE PLAN, OR AS DIRECTED BY THE ENGINEER, IN A MANNER THAT WILL RESULT IN A REASONABLY WELL GRADED SURFACE. CARE SHOULD BE TAKEN IN PLACING TO AVOID THE UNDERLYING MATERIAL.
5. REARRANGEMENT OF THE STONE FILL BY HAND LABOR OR MECHANICAL EQUIPMENT MAY BE REQUIRED TO FILL IN ALL VOIDS AND OBTAIN AN EVENLY DISTRIBUTED WELL GRADED FILTER BLANKET LAYER.
6. RIPRAP, LIGHT TYPE (ITEM 631.16) SHALL BE PLACED ON THE PREPARED SLOPE OR FILTER BLANKET LAYER SO THERE WILL BE A MINIMUM OF SPACE BETWEEN STONES. THE VOIDS BETWEEN THE STONES SHALL BE CHINKED WITH SMALLER STONES TO PRODUCE A RELATIVELY SMOOTH AND UNIFORM SURFACE.
7. ALL STONE FILL SHALL BE PLACED FROM THE BOTTOM OR TOE OF SLOPE UPWARD.



SOIL NAIL SLOPE EROSION REPAIR

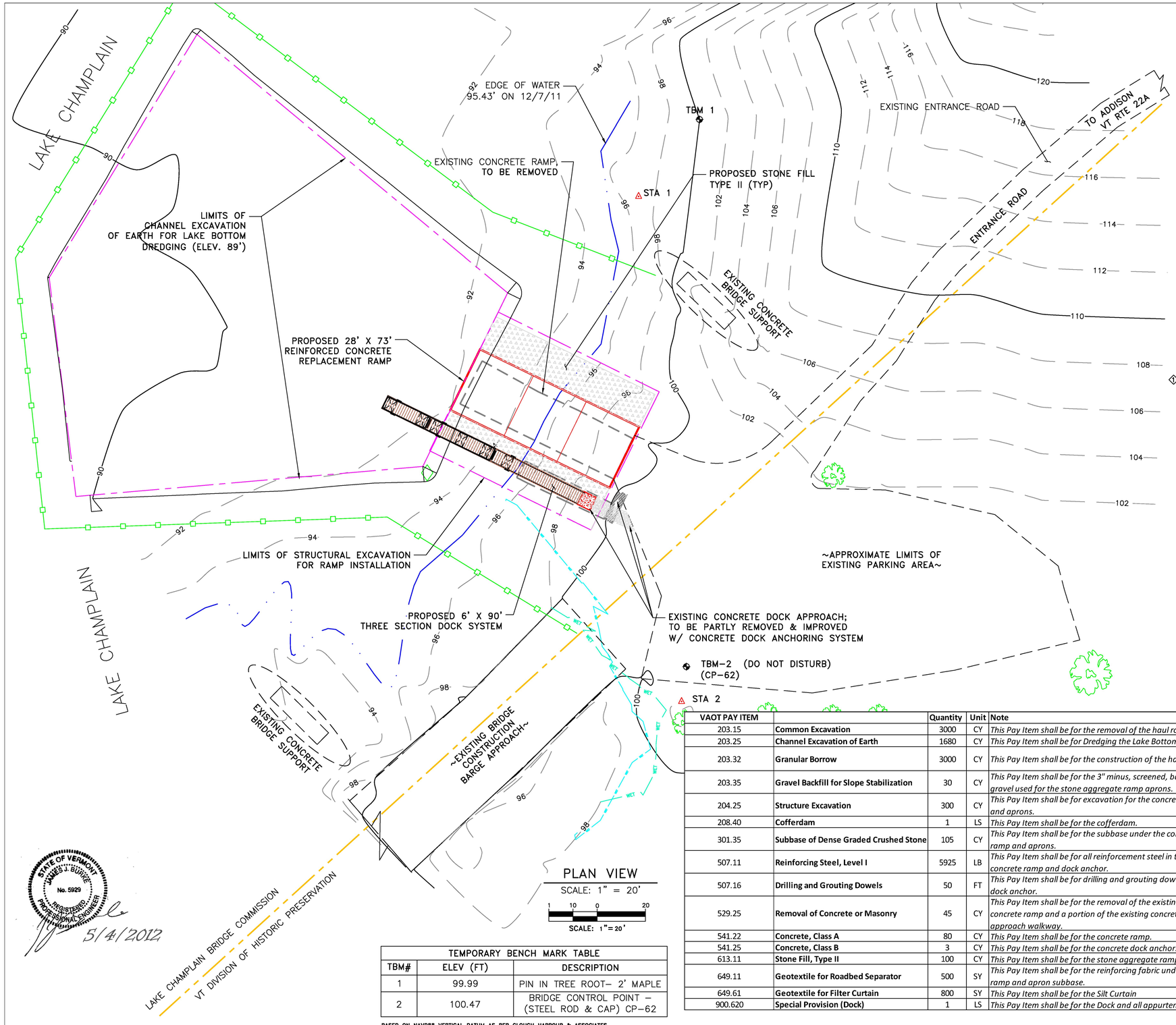
0 20 40

SCALE IN FEET

SLOPE REPAIR DETAIL SHEET #1	PROJECT NAME: LAKE CHAMPLAIN SITE RESTORATION PROJECT NUMBER: STP 032-1(18)	
	FILE NAME: z12E008_srd_01.dgn PROJECT LEADER: D.E.G. DESIGNED BY: B.M. DWG. NO.: SLD-1	PLOT DATE: 7/18/2012 DRAWN BY: W.G.P. CHECKED BY: M.R. SHEET 91 OF 100

STATE OF VERMONT ENGINEER LICENSED PROFESSIONAL ENGINEER

FILE NAME = U:\z0338\CADD\MSTN\z12E008_srd_01.dgn
DATE/TIME = 7/18/2012
USER = 4885



PLAN VIEW
SCALE: 1" = 20'
1 10 0 20
SCALE: 1"=20'

① WORK LOCATION: THE WORK IS LOCATED ON LAKE CHAMPLAIN AT THE EXISTING VERMONT FISH & WILDLIFE CHIMNEY POINT ACCESS AREA AT THE END OF VT ROUTE 17, APPROXIMATELY 7.5 MILES SOUTHWESTERLY FROM THE JUNCTION OF VT ROUTE 22A IN THE TOWN OF ADDISON.

WORK DESCRIPTION: THIS WORK IS THE REPLACEMENT OF A DETERIORATED CONCRETE BOAT RAMP WITH A NEW CONCRETE RAMP, AND CONSTRUCTION OF A NEW DOCK. THE WORK SHALL CONSIST OF THE CONSTRUCTION OF A SILT CURTAIN, A TEMPORARY HAUL ROAD, DREDGING THE LAKE BOTTOM AND REMOVAL OF THE HAUL ROAD, CONSTRUCTION OF A COFFERDAM, REMOVING THE OLD CONCRETE RAMP AND A PORTION OF THE OLD CONCRETE DOCK APPROACH WALKWAY, EXCAVATION FOR THE RAMP AND APRONS, REINFORCEMENT FABRIC, CRUSHED GRAVEL SUBBASE, STONE FILL AND GRAVEL APRONS, A NEW CONCRETE RAMP, A NEW CONCRETE DOCK ANCHOR, AND A NEW DOCK. THE WORK SHALL ALSO INCLUDE ALL INCIDENTALS WORK NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS, AS SPECIFIED HERE AND AS DIRECTED BY THE ENGINEER.

LEGEND

- CONTOUR – 10 FT INTERVAL
- CONTOUR – 2 FT INTERVAL
- EDGE OF EXISTING PARKING / ROAD
- WATER LEVEL 12/7/2011
- EXISTING TREES, WOODS BOUNDARY
- APPROX. PROPERTY BOUNDARY
- EDGE OF PROPOSED RAMP
- APPROX. LIMITS OF EXCAVATION
- SILT CURTAIN
- SURVEY STATION (DO NOT DISTURB)
- TBM (DO NOT DISTURB)
- WET — WET — WETLAND BOUNDARY LINE

TEMPORARY BENCH MARK TABLE		
TBM#	ELEV (FT)	DESCRIPTION
1	99.99	PIN IN TREE ROOT– 2' MAPLE
2	100.47	BRIDGE CONTROL POINT – (STEEL ROD & CAP) CP-62

BASED ON NAVD88 VERTICAL DATUM AS PER CLOUGH HARBOUR & ASSOCIATES

VAOT PAY ITEM		Quantity	Unit	Note
203.15	Common Excavation	3000	CY	*This Pay Item shall be for the removal of the haul road.*
203.25	Channel Excavation of Earth	1680	CY	*This Pay Item shall be for Dredging the Lake Bottom.*
203.32	Granular Borrow	3000	CY	*This Pay Item shall be for the construction of the haul road.*
203.35	Gravel Backfill for Slope Stabilization	30	CY	*This Pay Item shall be for the 3" minus, screened, bank-run gravel used for the stone aggregate ramp aprons.*
204.25	Structure Excavation	300	CY	*This Pay Item shall be for excavation for the concrete ramp and aprons.*
208.40	Cofferdam	1	LS	*This Pay Item shall be for the cofferdam.*
301.35	Subbase of Dense Graded Crushed Stone	105	CY	*This Pay Item shall be for the subbase under the concrete ramp and aprons.*
507.11	Reinforcing Steel, Level I	5925	LB	*This Pay Item shall be for all reinforcement steel in the concrete ramp and dock anchor.*
507.16	Drilling and Grouting Dowels	50	FT	*This Pay Item shall be for drilling and grouting dowels for the dock anchor.*
529.25	Removal of Concrete or Masonry	45	CY	*This Pay Item shall be for the removal of the existing concrete ramp and a portion of the existing concrete dock approach walkway.*
541.22	Concrete, Class A	80	CY	*This Pay Item shall be for the concrete ramp.*
541.25	Concrete, Class B	3	CY	*This Pay Item shall be for the concrete dock anchor.*
613.11	Stone Fill, Type II	100	CY	*This Pay Item shall be for the stone aggregate ramp aprons.*
649.11	Geotextile for Roadbed Separator	500	SY	*This Pay Item shall be for the reinforcing fabric under the ramp and apron subbase.*
649.61	Geotextile for Filter Curtain	800	SY	*This Pay Item shall be for the Silt Curtain*
900.620	Special Provision (Dock)	1	LS	*This Pay Item shall be for the Dock and all appurtenances.*

STATE OF VERMONT
JAMES J. BURKE JR.
No. 5929
REGISTERED PROFESSIONAL ENGINEER
5/4/2012

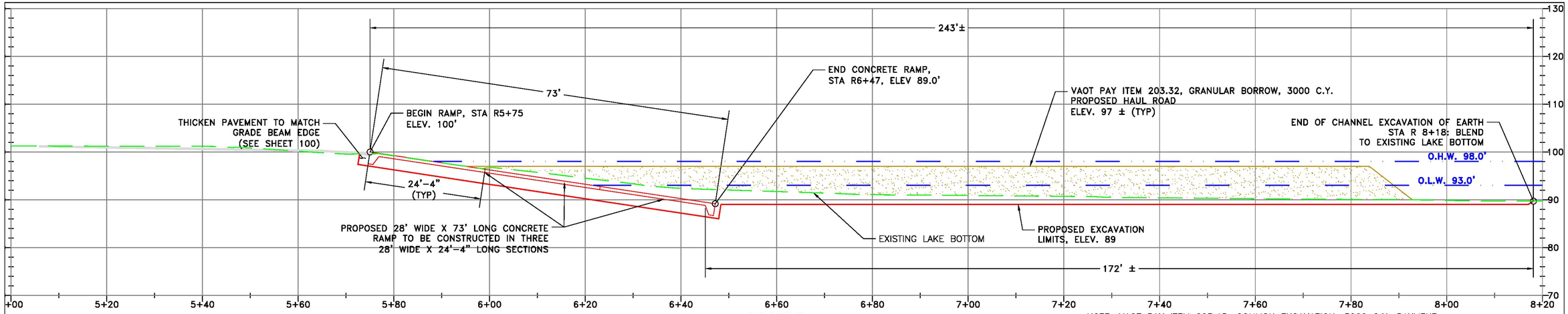
STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0511

REVISIONS	
1	CHANGE PROJECT TO WORK 7/19/12

DEPARTMENT: FISH & WILDLIFE
PROJECT: CHIMNEY POINT ACCESS AREA
PLAN VIEW
EXISTING & PROPOSED CONDITIONS
LOCATION: ADDISON, VERMONT

DESIGNED: JRG
DRAWN: BF/JR
CHECKED: JJB
SHEET: 97 OF 100
DRAWING NO.: 12711CP
SCALE: AS NOTED

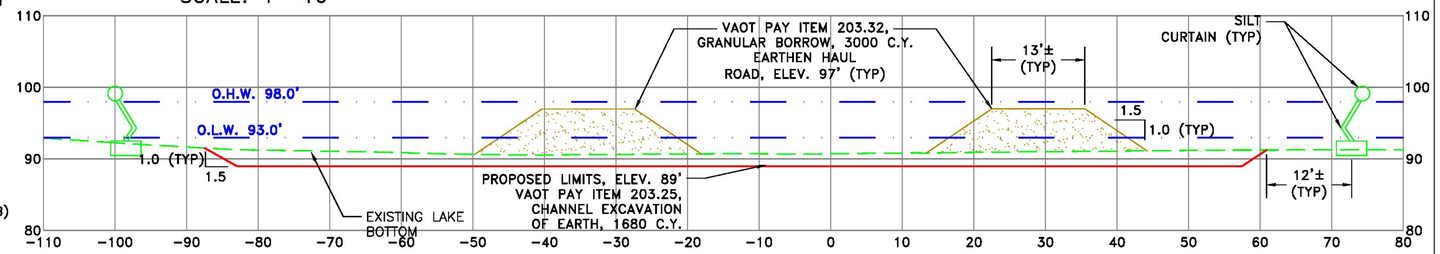
RECOMMENDED
APPROVED



PROFILE
ALIGNMENT R
SCALE: 1"=10'

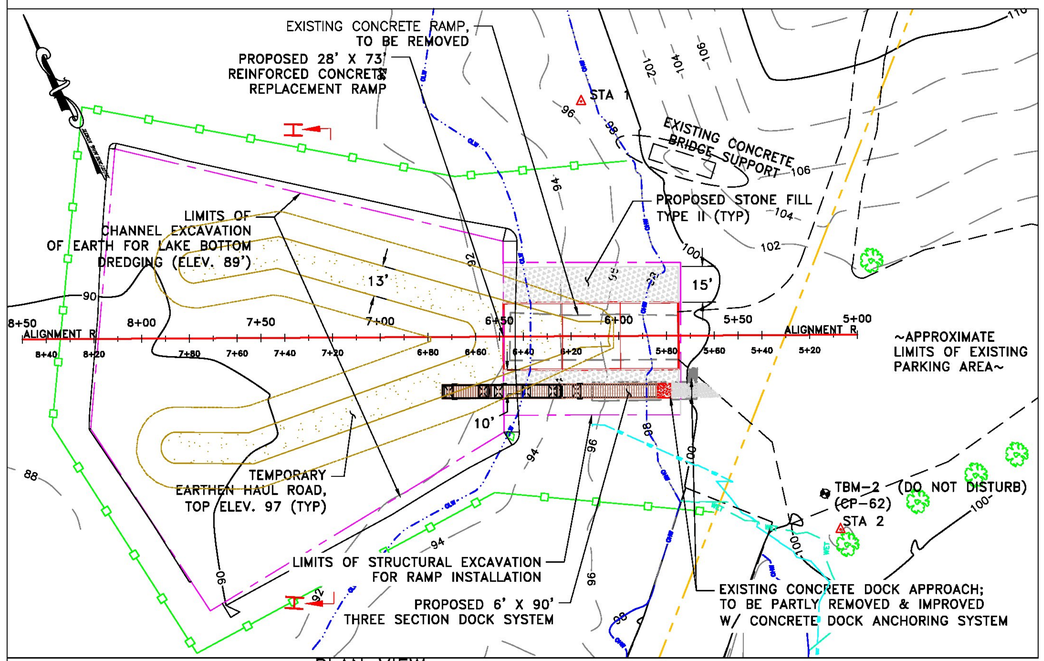
10 5 0 10
SCALE: 1"=10'

NOTE: VAOT PAY ITEM 203.15, COMMON EXCAVATION, 3000 C.Y. PAYMENT SHALL BE FOR THE REMOVAL OF THE HAUL ROAD, AND SHALL INCLUDE DISPOSAL. ALL WORK UNDER THIS PAY ITEM SHALL BE IN COMPLIANCE WITH ALL ASSOCIATED VAOT SPECIFICATIONS.



LEGEND

- CONTOUR – 10 FT INTERVAL
- CONTOUR – 2 FT INTERVAL
- EDGE OF EXISTING PARKING / ROAD
- WETLAND BOUNDARY LINE
- ORDINARY HIGH WATER (O.H.W.) ELEV. 98'
- ORDINARY LOW WATER (O.L.W.) ELEV. 93'
- EXISTING TREES, WOODS BOUNDARY
- APPROX. PROPERTY BOUNDARY
- EDGE OF PROPOSED RAMP
- APPROX. LIMITS OF EXCAVATION
- SILT CURTAIN
- SURVEY STATION (DO NOT DISTURB)
- TBM (DO NOT DISTURB)



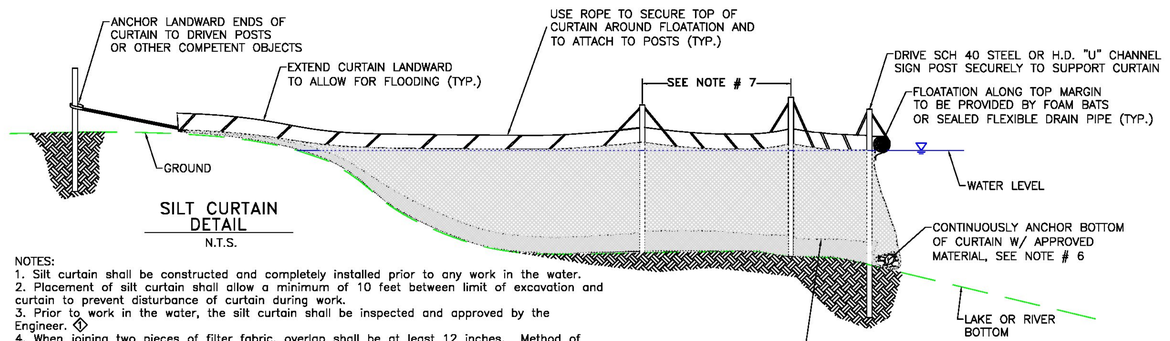
PLAN VIEW
PROPOSED RAMP IMPROVEMENTS
SCALE: 1" = 30'

30 15 0 30
SCALE: 1"=30'

SECTION H–H
SCALE: 1" = 10'

10 5 0 10
SCALE: 1"=10'

NOTE: VAOT PAY ITEM 203.25, CHANNEL EXCAVATION OF EARTH, 1680 C.Y. PAYMENT SHALL BE FOR DREDGING THE LAKE BOTTOM AND SHALL INCLUDE REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL. ALL WORK UNDER THIS PAY ITEM SHALL BE IN COMPLIANCE WITH ALL ASSOCIATED VAOT SPECIFICATIONS



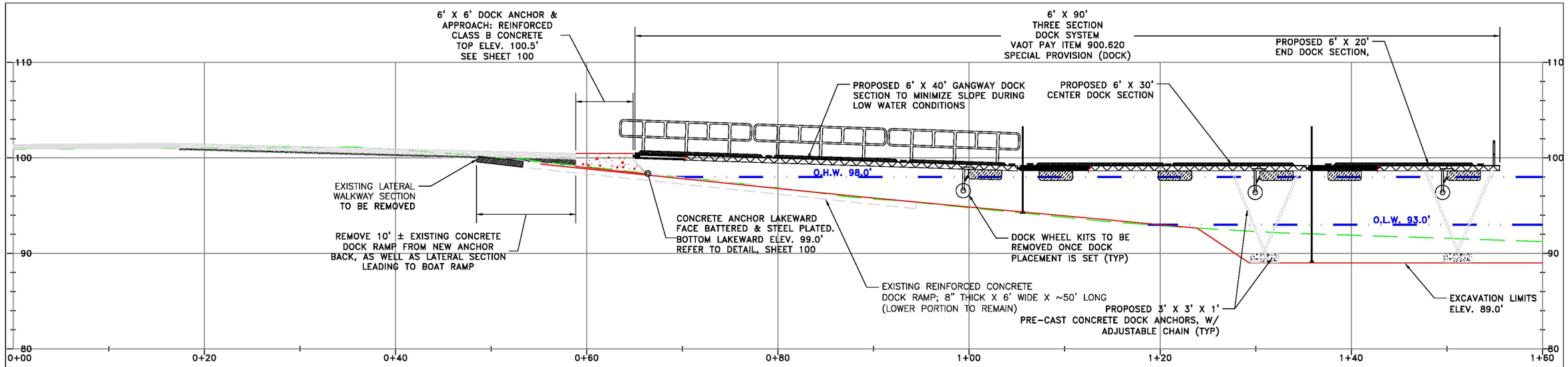
SILT CURTAIN DETAIL
N.T.S.

NOTES:
1. Silt curtain shall be constructed and completely installed prior to any work in the water.
2. Placement of silt curtain shall allow a minimum of 10 feet between limit of excavation and curtain to prevent disturbance of curtain during work.
3. Prior to work in the water, the silt curtain shall be inspected and approved by the Engineer. ①
4. When joining two pieces of filter fabric, overlap shall be at least 12 inches. Method of splicing shall be hand stitching, double row.
5. Continuous floatation along the top margin shall be provided by closed cell foam bats or flexible corrugated drain pipe sealed airtight, sized to account for wave and or current action.
6. Continuous sealing along the bottom margin shall be achieved by leaving excess fabric to be anchored with chain, short pieces of steel rod, cable and native material, as shown in the drawing. All non-native materials used for anchoring shall be completely removed after completion of the work.
7. The spacing of steel posts shall provide additional vertical and horizontal support to the curtain to accommodate for the forces of wind, wave and current.
8. After completion of the work in the water, the silt curtain shall remain in place until turbidity inside the curtain is equal to that outside.
9. VAOT pay item 649.61 geotextile for filter curtain, 800 s.y. Payment for this item shall be for the silt curtain complete in place and including all incidentals and removal. All work under this item shall be in conformance with all associated VAOT specifications.

STATE OF VERMONT
JAMES J. BURKE
No. 5929
REGISTERED PROFESSIONAL ENGINEER
5/4/2012

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0511

REVISIONS	DEPARTMENT	DESIGNED
① SILT CURTAIN DETAIL NOTES EDIT 7/10/12	FISH & WILDLIFE	JRG
	PROJECT	DRAWN
	CHIMNEY POINT ACCESS AREA	BF/JR
	RAMP PROFILE	CHECKED
	PLAN VIEW OF HAUL ROAD &	JJB
	CROSS SECTION H–H AT STA R7+20	SHEET 98 OF 100
	LOCATION	DRAWING NO.
	ADDISON, VERMONT	12711CP
RECOMMENDED	APPROVED	SCALE AS NOTED



PROFILE
ALIGNMENT D
SCALE: 1" = 10'

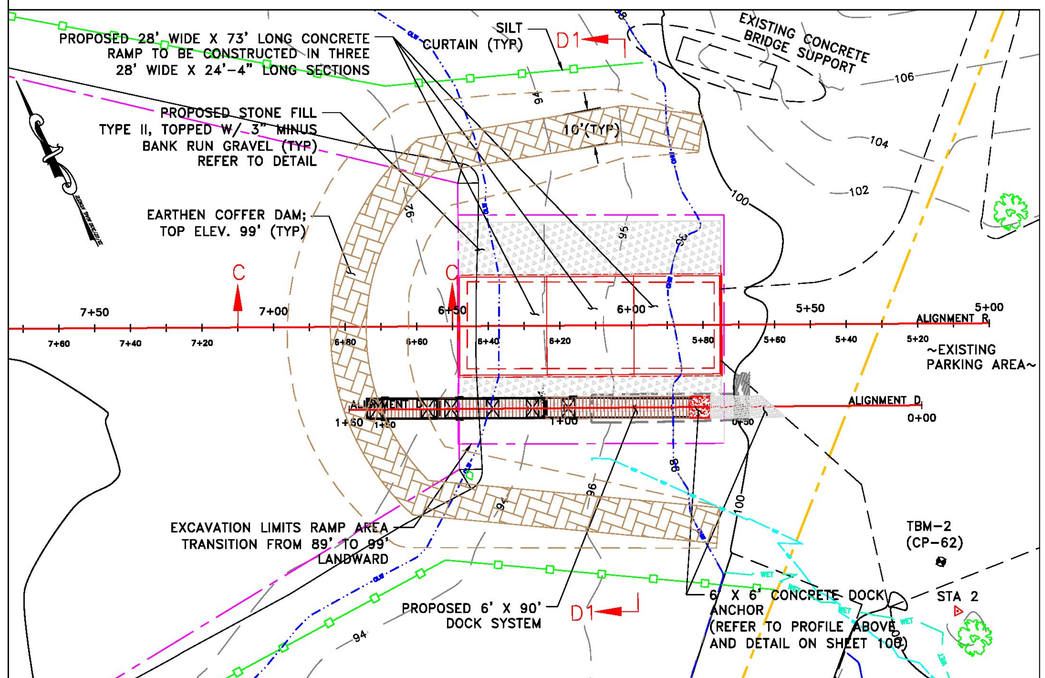
SCALE: 1"=10'

NOTES: VAOT PAY ITEM 900.620 SPECIAL PROVISION (DOCK). PAYMENT SHALL BE FOR THE DOCK IN PLACE AND SHALL INCLUDE DESIGN, CONSTRUCTION, ALL APPURTENANCES AND INCIDENTALS. PAYMENT FOR THE DOCK SHALL INCLUDE THE STEEL PLATE AND OTHER DOCK HARDWARE ASSOCIATED WITH THE CAST IN PLACE CONCRETE DOCK ANCHOR.

2. THE CONTRACTOR SHALL SUBMIT THE DOCK/DOCK SYSTEM DESIGN FOR APPROVAL BY THE VT FISH & WILDLIFE DEPARTMENT.

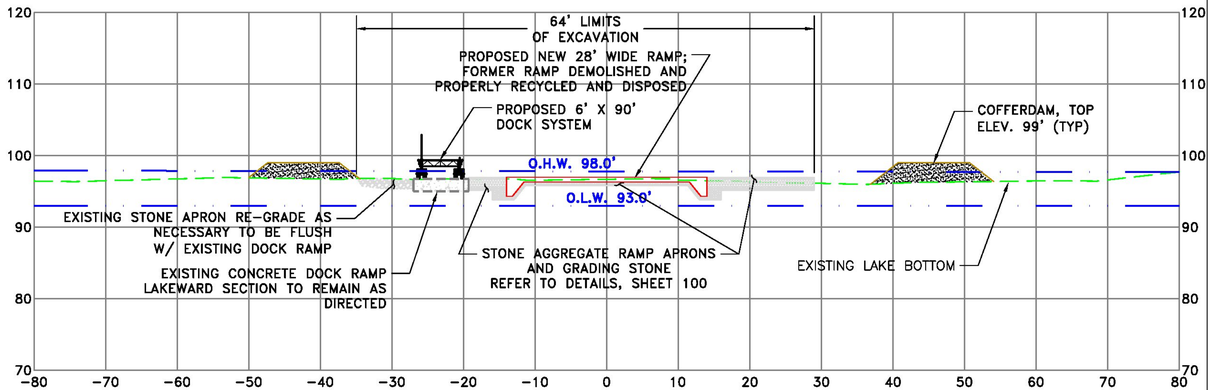
3.THE DOCK SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED BY A PROFESSIONAL DOCK/WATERFRONT SPECIALIST COMPANY. THE PROFESSIONAL DOCK/ WATERFRONT SPECIALIST COMPANY SHALL HAVE A MINIMUM OF 25 YEARS OF MARINE COMMERCIAL DOCK DESIGN, CONSTRUCTION AND INSTALLATION EXPERIENCE.

4. THE COMMERCIAL HEAVY DUTY DOCK SYSTEM SHALL INCLUDE AS A MINIMUM: REINFORCED DIAMOND TREAD PLATE, STRUCTURAL STEEL FRAMING FOR ALL SECTIONS, REMOVABLE SIDE RAILING ALONG ONE SIDE OF THE GANGWAY SECTION DESIGNED IN COMPLIANCE WITH APPLICABLE FEDERAL ACCESSIBILITY GUIDELINES, ADA CURBING, 8" MOORING CLEATS APPROPRIATELY SPACED AND BOLTED TO THE DOCK FRAMING, RUB RAILS WITH REFLECTIVE TAPE AND CONTINUOUS BUMPER FENDERS, WEATHER AND SPLINTER RESISTANT DECKING, PROPERLY SIZED PUNCTURE AND UV RESISTANT FLOATATION, HINGE DOCK CONNECTIONS WITH DAMPENING SYSTEM, REMOVABLE DOCK WHEEL KITS, SPUD POLES WITH FOOT PADS AND LOCKING MOUNTS TO MINIMIZE APPROACH SECTION SLOPE, A CONCRETE ANCHORING SYSTEM, END RAILING, AND ANY INCIDENTAL WORK NECESSARY TO COMPLETE THE DOCK AS SPECIFIED BY THE VERMONT FISH & WILDLIFE DEPARTMENT.



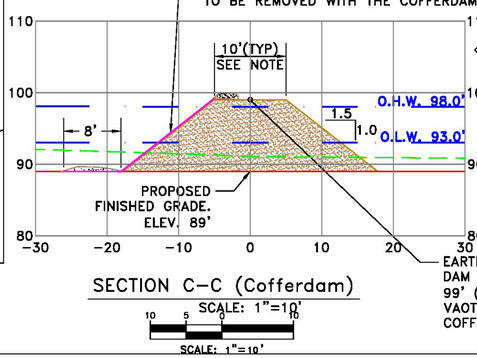
PLAN VIEW
COFFERDAM &
DOCK PLACEMENT
SCALE: 1" = 20'

SCALE: 1"=20'



SECTION D1-D1
SCALE: 1"=10'

SCALE: 1"=10'



SECTION C-C (Cofferdam)
SCALE: 1"=10'

SCALE: 1"=10'

NOTE: THE COFFERDAM PLAN AND CROSS SECTION ON THIS SHEET ARE FOR PERMIT PURPOSES. A STRUCTURAL COFFERDAM SHALL BE ALLOWED, IN ACCORDANCE WITH SECTION 208. ANY STRUCTURAL COFFERDAM PROPOSED BY ⚠1 THE CONTRACTOR SHALL BE APPROVED FOR USE BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, MAINTENANCE, INTEGRITY AND SAFETY OF THE COFFERDAM. VAOT PAY ITEM 208.40, COFFERDAM, LUMP SUM: PAYMENT SHALL BE FOR THE COFFERDAM COMPLETE AND IN PLACE AND SHALL INCLUDE DESIGN, DE-WATERING, ALL APPURTENANCES AND INCIDENTALS, REMOVAL AND DISPOSAL. ALL WORK UNDER THIS PAY ITEM SHALL BE IN CONFORMANCE WITH ALL ASSOCIATED VAOT SPECIFICATIONS.

STATE OF VERMONT
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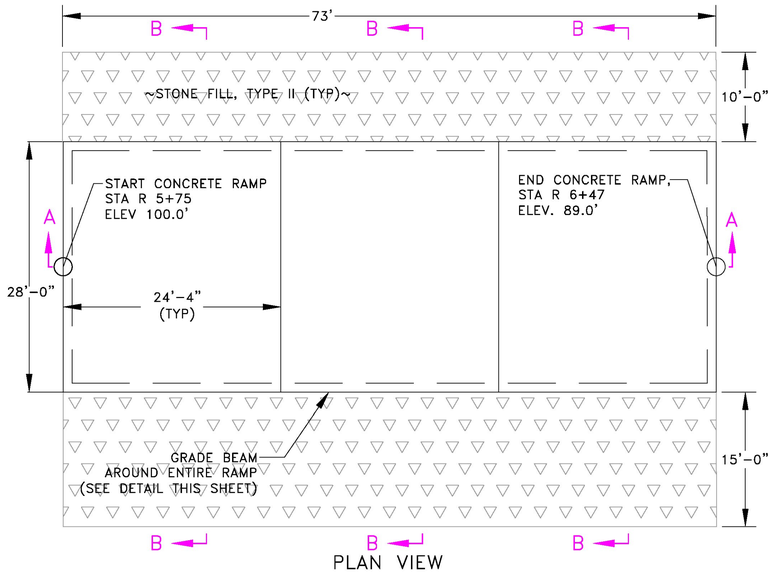
No. 5929
REGISTERED PROFESSIONAL ENGINEER
5/4/2012

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0511

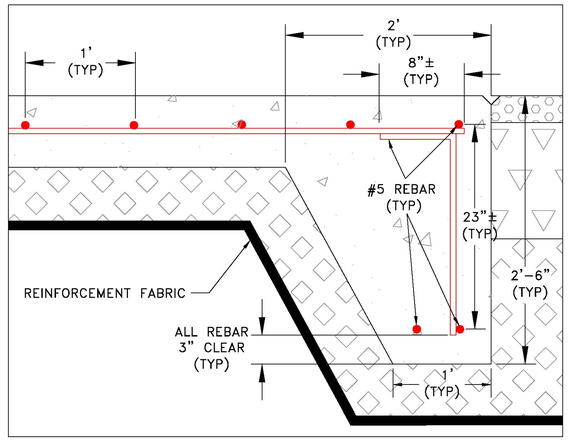
REVISIONS		DEPARTMENT	DESIGNED
1	COFFERDAM NOTE ADD 7/16/12	FISH & WILDLIFE	JRG
		PROJECT	DRAWN
		CHIMNEY POINT ACCESS AREA	BP/JR
		DOCK PROFILE & SECTION D-D	CHECKED
		PLAN VIEW & CROSS SECTION COFFERDAM	JJB
			SHEET 99 OF 100
		LOCATION	DRAWING NO.
		ADDISON, VERMONT	12711CP
RECOMMENDED		APPROVED	SCALE AS NOTED



PLAN VIEW
CONCRETE RAMP & GRADE BEAM

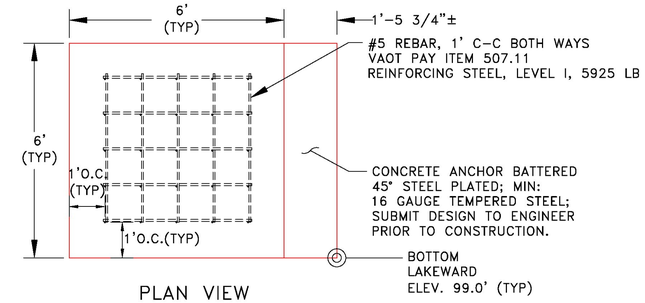
SCALE: 1"=8'-0"

SCALE 1" =8'



TYPICAL
GRADE BEAM
DETAIL

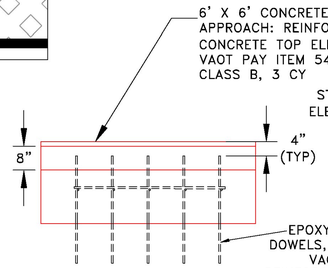
SCALE: N.T.S



PLAN VIEW
CONCRETE DOCK ANCHOR

SCALE: 1"=2'-0"

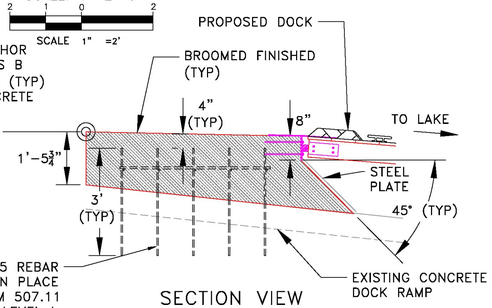
SCALE 1" =2'



FRONT ELEVATION
CONCRETE DOCK ANCHOR

SCALE: 1"=2'-0"

SCALE 1" =2'

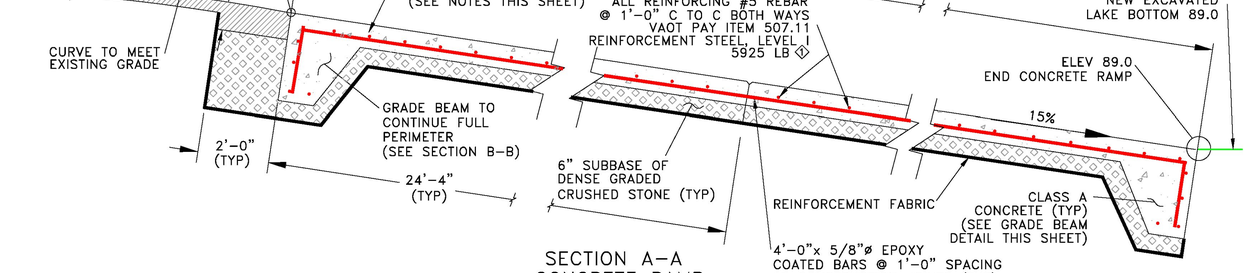


SECTION VIEW
CONCRETE DOCK ANCHOR

SCALE: 1"=2'-0"

SCALE 1" =2'

NOTE: DRILLING AND GROUTING FOR DOWELS SHALL BE PAID UNDER VAOT PAY ITEM 507.16, 50 FT



SECTION A-A
CONCRETE RAMP

SCALE: 1"=2'-0"

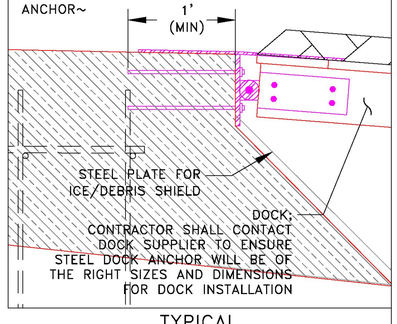
SCALE 1" = 2'

NOTES:
1. "V" GROOVE FINISH TO BE AS DIRECTED BY THE ENGINEER. IT IS CRITICAL THAT THE FINISH BE COMPLETED BEFORE CONCRETE STARTS TO SET.

2. The Contractor shall be responsible for placing all concrete at a smooth and straight grade line. Construction work shall not interfere with proper "V-Groove" finishing of the concrete, or otherwise leave a hole or protrusion in the finished surface that would present a hazard or nuisance during recreational use of the ramp.

3. The final surface of the concrete ramp shall be a V-groove finish as directed by the Engineer. A special V-groove finishing tool supplied by Facilities Engineering Dept. can be used to obtain the acceptable surface finish. It is critical that the contractor start finishing the surface as soon as the concrete has been screeded to assure proper depth of the "V-Groove" finish. Tool must be returned in the same condition or replaced at the contractor's expense. The contractor shall submit a mix design and finishing procedures for approval by the engineer. The use of retarding admixtures may be submitted for approval. A sidewalk edger shall be used to finish around the entire edge of each slab.

~PLANS, MEANS, AND METHODS OF ATTACHING STEEL DOCK ANCHOR PLATE & STEEL ICE/DEBRIS SHIELD TO BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE CONSTRUCTION OF THE CONCRETE DOCK ANCHOR~

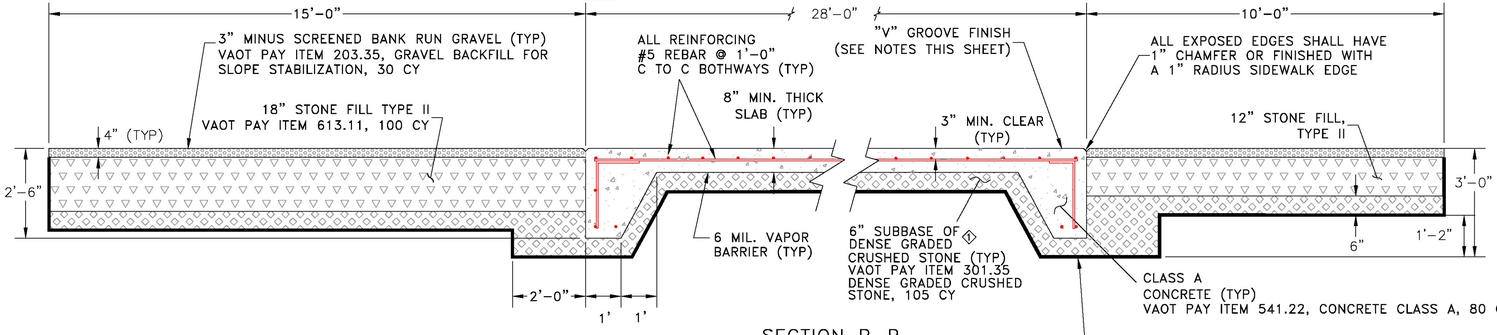


TYPICAL
STEEL DOCK ANCHOR PLATE
SIDE ELEVATION

SCALE: 1 1/2"=1'

SCALE 1-1/2" 1'

CHIM4.DWG



SECTION B-B
CONCRETE RAMP

SCALE: 1"=2'

SCALE 1" =2'

STATE OF VERMONT
JAMES J. BURKE
No. 5929
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5/4/2012

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0407

REVISIONS	DEPARTMENT	DESIGNED
① VT AOT PAY ITEM REVISION 7/19/12	FISH AND WILDLIFE	JRG
	PROJECT: CHIMNEY POINT ACCESS AREA RAMP REPLACEMENT RAMP DETAILS	DRAWN: BP / JR
		CHECKED: JBB
		SHEET: 100 OF 100
	LOCATION: ADDISON, VERMONT	DRAWING NO.: 12711CP
RECOMMENDED	APPROVED	SCALE: AS NOTED