

STATIONING LEGEND: KILLINGTON = K
 BRIDGEWATER = B
 WOODSTOCK = W

Record Plans
 Contractor: THE GORMAN GROUP, LLC
 Resident Engineer: RYAN DARLING
 Construction Began: JULY 5, 2016
 Construction Complete: JULY 27, 2017
 Record Plans By: RYAN DARLING & JESSE IVES

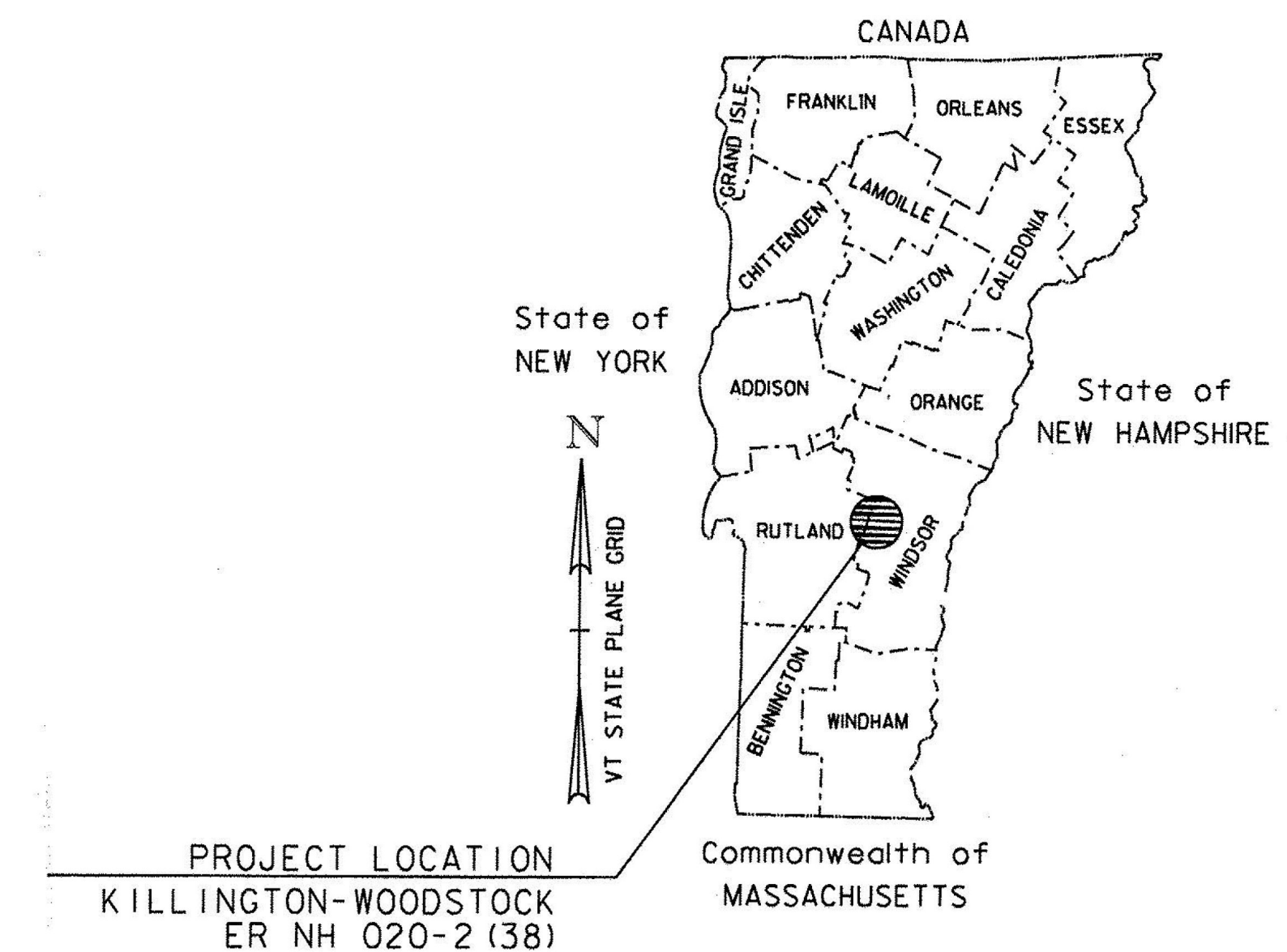
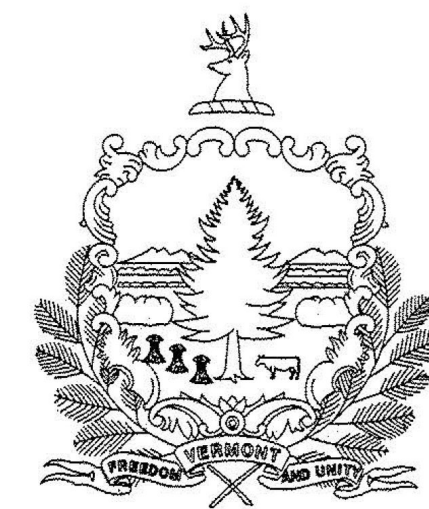
I hereby certify that all construction required by this set of drawings has been accomplished as indicated herein.

BY:  e-Signed by Ryan Darling on 2018-07-20 14:16:09 GMT Resident Engineer

Date: July 20, 2018

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

STATE OF VERMONT AGENCY OF TRANSPORTATION

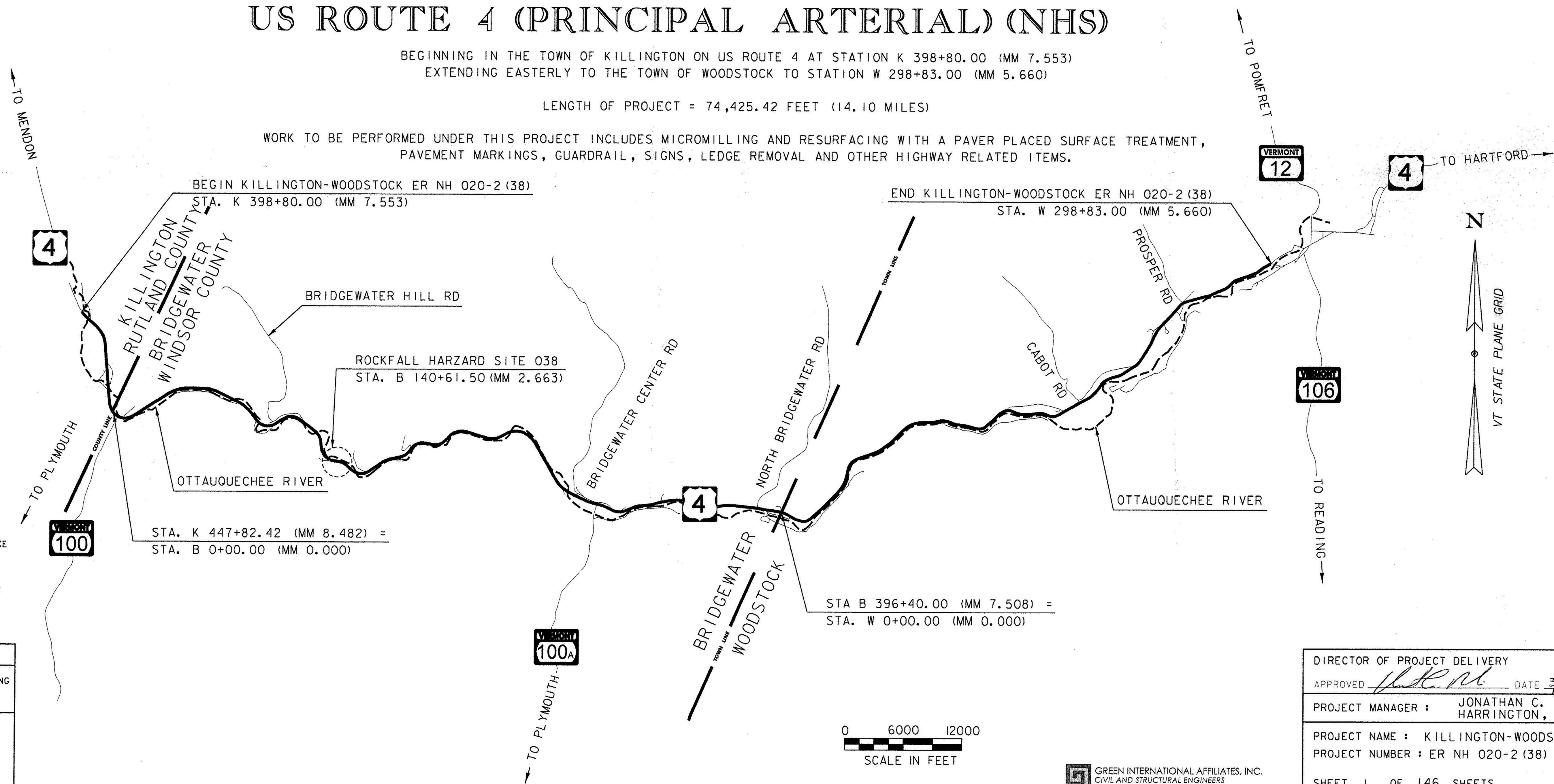


PROPOSED IMPROVEMENT TOWNS OF KILLINGTON, BRIDGEWATER & WOODSTOCK COUNTIES OF RUTLAND & WINDSOR US ROUTE 4 (PRINCIPAL ARTERIAL) (NHS)

BEGINNING IN THE TOWN OF KILLINGTON ON US ROUTE 4 AT STATION K 398+80.00 (MM 7.553)
 EXTENDING EASTERLY TO THE TOWN OF WOODSTOCK TO STATION W 298+83.00 (MM 5.660)

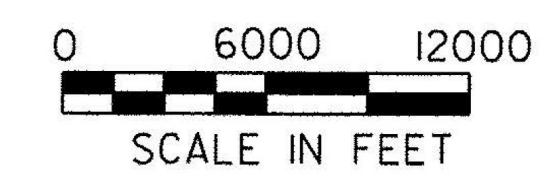
LENGTH OF PROJECT = 74,425.42 FEET (14.10 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES MICROMILLING AND RESURFACING WITH A PAVEMENT PLACED SURFACE TREATMENT, PAVEMENT MARKINGS, GUARDRAIL, SIGNS, LEDGE REMOVAL AND OTHER HIGHWAY RELATED ITEMS.

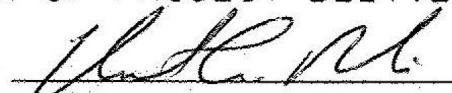


CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS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

QUALITY ASSURANCE PROGRAM : LEVEL I
SURVEYED BY : VERMONT SURVEY & ENGINEERING
SURVEYED DATE : 07/07/2014
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (2011)



GREEN INTERNATIONAL AFFILIATES, INC.
 CIVIL AND STRUCTURAL ENGINEERS

DIRECTOR OF PROJECT DELIVERY
APPROVED:  DATE 3/8/2016
PROJECT MANAGER : JONATHAN C. HARRINGTON, P.E.
PROJECT NAME : KILLINGTON-WOODSTOCK
PROJECT NUMBER : ER NH 020-2 (38)
SHEET 1 OF 146 SHEETS

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VAOT/VTRANS STANDARDS LIST

D-3	06/01/1994
D-15	06/01/1994
D-30	08/13/2007
E-121	08/08/1995
E-125	08/08/1995
E-128A	08/08/1995
E-128B	08/08/1995
E-136B	08/08/1995
E-136C	08/08/1995
E-141	09/20/1995
E-145A	12/23/1994
E-161	08/18/1995
E-162	05/20/1999
E-163	05/20/1999
E-191	02/01/1999
E-192	10/12/2000
E-193	08/18/1995
G-1	11/10/2015
G-1D	02/10/2014
G-19	11/15/2002
T-1	08/06/2012
T-2	02/12/2016
T-10	08/06/2012
T-17	08/06/2012
T-24	08/06/2012
T-28	08/06/2012
T-29	08/06/2012
T-30	08/06/2012
T-31	08/06/2012
T-35	08/06/2012
T-36	08/06/2012
T-40	01/02/2013
T-42	04/09/2014
T-44	04/09/2014
T-45	01/02/2013
T-56	10/26/2015
T-80	02/12/2016
T-81	02/12/2016
T-82	02/16/2016
T-92	10/26/2015
T-93	10/26/2015
T-94	02/12/2016

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LIFE ESAL (DESIGN LANE)	1,872,640
DESIGN NUMBER OF GYRATIONS	80
PERFORMANCE GRADED ASPHALT BINDER	PG 70-28

US ROUTE 4 TRAFFIC DATA

LOCATION	AADT		DHV		ADTT		% T		% D		ESAL'S	
	2014	2034	2014	2034	2014	2034	2014	2034	2014	2034	2014-2034	2014-2054
BEGIN PROJECT TO COX DISTRICT ROAD	5500	5800	620	650	530	800	8.0	11.6	56	56	3,344,000	7,387,000
COX DISTRICT ROAD TO END PROJECT	8000	8500	900	960	370	580	3.3	4.9	55	55	3,096,000	7,227,000

STRUCTURAL DETAIL SHEET

SD-366.00	02/10/2014
SD-516.10	08/29/2011

HIGHWAY SAFETY AND DESIGN DETAIL SHEET

HSD-213.02	02/04/2016
HSD-621.01	06/09/2015
HSD-621.06	11/03/2015

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92frm.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
INDEX OF SHEETS	
PLOT DATE:	3/7/2016
DRAWN BY:	C. MORIN
CHECKED BY:	E. ATKINS
SHEET	2 OF 146

GENERAL INFORMATION

SYMBOLGY LEGEND NOTE

THE SYMBOLGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLGY. THE SYMBOLGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT	CODE	DESCRIPTION
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
■	BNDNS	BOUND SET
▣	BNDNS	BOUND TO BE SET
●	IPNS	IRON PIN SET
◎	IPNS	IRON PIN TO BE SET
⊠	CALC	EXISTING ROW POINT
○	PROW	PROPOSED ROW POINT
[LENGTH]		LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
⊠	APL	BOUND APPARENT LOCATION
□	BM	BENCHMARK
▣	BND	BOUND
▣	CB	CATCH BASIN
⊕	COMB	COMBINATION POLE
▣	DITHR	DROP INLET THROATED DNC
⊕	EL	ELECTRIC POWER POLE
○	FPOLE	FLAGPOLE
○	GASFIL	GAS FILLER
○	GP	GUIDE POST
×	GSO	GAS SHUT OFF
○	GUY	GUY POLE
○	GUYW	GUY WIRE
×	GV	GATE VALUE
⊕	H	TREE HARDWOOD
△	HCTRL	CONTROL HORIZONTAL
△	HVCTRL	CONTROL HORIZ. & VERTICAL
◇	HYD	HYDRANT
●	IP	IRON PIN
●	IPIPE	IRON PIPE
⊕	LI	LIGHT - STREET OR YARD
⊕	MB	MAILBOX
○	MH	MANHOLE (MH)
○	MM	MILE MARKER
●	PM	PARKING METER
▣	PMK	PROJECT MARKER
○	POST	POST STONE/WOOD
⊕	RRSIG	RAILROAD SIGNAL
⊕	RRSL	RAILROAD SWITCH LEVER
⊕	S	TREE SOFTWOOD
⊕	SAT	SATELLITE DISH
⊕	SHRUB	SHRUB
⊕	SIGN	SIGN
⊕	STUMP	STUMP
⊕	TEL	TELEPHONE POLE
○	TIE	TIE
⊕	TSIGN	SIGN W/DOUBLE POST
⊕	VCTRL	CONTROL VERTICAL
○	WELL	WELL
×	WSO	WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLGY

UNDERGROUND UTILITIES

— UGU —	UTILITY (GENERIC-UNKNOWN)
— UT —	TELEPHONE
— UE —	ELECTRIC
— UC —	CABLE (TV)
— UEC —	ELECTRIC+CABLE
— UET —	ELECTRIC+TELEPHONE
— UCT —	CABLE+TELEPHONE
— UECT —	ELECTRIC+CABLE+TELEP.
— G —	GAS LINE
— W —	WATER LINE
— S —	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

— AGU —	UTILITY (GENERIC-UNKNOWN)
— T —	TELEPHONE
— E —	ELECTRIC
— C —	CABLE (TV)
— EC —	ELECTRIC+CABLE
— ET —	ELECTRIC+TELEPHONE
— AER E&T —	ELECTRIC+TELEPHONE
— CT —	CABLE+TELEPHONE
— ECT —	ELECTRIC+CABLE+TELEP.
—	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLGY

PROJECT DESIGN & LAYOUT SYMBOLGY

— — — CZ — — —	CLEAR ZONE
—————	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

▲ —▲—▲—▲—▲	TOP OF CUT SLOPE
⊕ —⊕—⊕—⊕—⊕	TOE OF FILL SLOPE
⊕ ⊕ ⊕ ⊕ ⊕ ⊕	STONE FILL
-----	BOTTOM OF DITCH
-----	CULVERT PROPOSED
-----	STRUCTURE SUBSURFACE
PDF — PDF —	PROJECT DEMARCATION FENCE
BF — x — x — BF — x — x —	BARRIER FENCE
XXXXXXXXXXXXXXXXXXXX	TREE PROTECTION ZONE (TPZ)
//////	STRIPING LINE REMOVAL
~~~~~	SHEET PILES

**CONVENTIONAL BOUNDARY SYMBOLGY**

**BOUNDARY LINES**

—————	TOWN BOUNDARY LINE
—————	COUNTY BOUNDARY LINE
—————	STATE BOUNDARY LINE
———	PROPOSED STATE R.O.W. (LIMITED ACCESS)
———	PROPOSED STATE R.O.W.
———	STATE ROW (LIMITED ACCESS)
———	STATE ROW
———	TOWN ROW
-----	PERMANENT EASEMENT LINE (P)
-----	TEMPORARY EASEMENT LINE (T)
-----	SURVEY LINE
— P —	PROPERTY LINE (P/L)
— L —	PROPERTY LINE (P/L)
— SR —	SLOPE RIGHTS
— 6f —	6F PROPERTY BOUNDARY
— 4f —	4F PROPERTY BOUNDARY
— HAZ —	HAZARDOUS WASTE

**EPSC LAYOUT PLAN SYMBOLGY**

**EPSC MEASURES**

○●○○○○○○○	FILTER CURTAIN
— x — x — x — x —	SILT FENCE
— x — x — x — x —	SILT FENCE WOVEN WIRE
▶ —▶—▶—▶—▶	CHECK DAM
■	DISTURBED AREAS REQUIRING RE-VEGETATION
▣	EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLGY

**ENVIRONMENTAL RESOURCES**

———	WETLAND BOUNDARY
-----	RIPARIAN BUFFER ZONE
-----	WETLAND BUFFER ZONE
-----	SOIL TYPE BOUNDARY
——— T&E ———	THREATENED & ENDANGERED SPECIES
——— HAZ ———	HAZARDOUS WASTE AREA
——— AG ———	AGRICULTURAL LAND
——— HABITAT ———	FISH & WILDLIFE HABITAT
——— FLOOD PLAIN ———	FLOOD PLAIN
——— OHW ———	ORDINARY HIGH WATER (OHW)
———	STORM WATER
-----	USDA FOREST SERVICE LANDS
-----	WILDLIFE HABITAT SUIT/CONN

**ARCHEOLOGICAL & HISTORIC**

——— ARCH ———	ARCHEOLOGICAL BOUNDARY
——— HISTORIC DIST ———	HISTORIC DISTRICT BOUNDARY
——— HISTORIC ———	HISTORIC AREA
Ⓜ	HISTORIC STRUCTURE

**CONVENTIONAL TOPOGRAPHIC SYMBOLGY**

**EXISTING FEATURES**

-----	ROAD EDGE PAVEMENT
-----	ROAD EDGE GRAVEL
-----	DRIVEWAY EDGE
-----	DITCH
-----	FOUNDATION
x — x — x — x —	FENCE (EXISTING)
□ —□—□—□—□—	FENCE WOOD POST
○ —○—○—○—○—	FENCE STEEL POST
-----	GARDEN
-----	ROAD GUARDRAIL
	RAILROAD TRACKS
-----	CULVERT (EXISTING)
-----	STONE WALL
-----	WALL
-----	WOOD LINE
-----	BRUSH LINE
-----	HEDGE
-----	BODY OF WATER EDGE
-----	LEDGE EXPOSED

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92legend.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: N. GOTTIER  
 DESIGNED BY: T. BIGELOW CHECKED BY: E. ATKINS  
 CONVENTIONAL SYMBOLGY LEGEND SHEET SHEET 3 OF 146

**GENERAL NOTES:**

1. ALL PROPOSED WORK TO BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY.
2. THE EXISTING CONDITIONS SHOWN ON THE PLAN SHEETS FROM MISSION FARM ROAD TO THE KILLINGTON/BRIDGEWATER TOWN LINE WAS COMPLETED BASED ON A TOPOGRAPHICAL SURVEY. THE EXISTING CONDITIONS BETWEEN THE KILLINGTON/BRIDGEWATER TOWN LINE AND THE END OF PROJECT WAS COMPLETED USING AERIAL PHOTOGRAPHY, RECORD PLANS AND FIELD VERIFICATION. THEREFORE, THE LOCATION OF ALL TOPOGRAPHIC FEATURES SHOWN SHALL BE CONSIDERED APPROXIMATE.
3. THE PLAN SHEETS ARE NOT TO SCALE. THE US ROUTE 4 CENTERLINE SHOWN ON THE PLANS IS A GRAPHICAL REPRESENTATION OF THE CENTERLINE, EXCEPT AT ROCKFALL HAZARD SITE 038.
4. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL SECTIONS OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN AND END, AND AT ALL PAVED SIDE ROAD APPROACHES AS SHOWN ON THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. ALL SAW CUT JOINTS WILL BE CONSIDERED INCIDENTAL TO ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT.
5. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, AND CRACK SEALING SHALL BE PERFORMED FOLLOWING COLD PLANING AND PRIOR TO PAVING. THE PATCHING OF ALL CRACKS GREATER THAN 1.0" AND POT HOLE REPAIR SHALL BE COMPLETED WITH ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED.
6. GRASS GROWING ADJACENT TO THE PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT, WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE PAVEMENT, SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
7. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK, JOINTS OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE ENGINEER SHALL CONTACT THE VAOT CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONTRACTOR SHALL PERFORM THE RECOMMENDED REPAIRS AT NO ADDITIONAL COST TO THE STATE.
8. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)(PG 70-28)(SBS POLYMER)(3/4" +/- 1/8" LIFT THICKNESS), TOLERANCE =1/8" +/-
9. EMULSIFIED ASPHALT SHALL BE APPLIED ON THE COLD PLANED SURFACE AT A RATE OF 0.080 GAL/SY AND BETWEEN ALL PAVED SURFACES AT A RATE OF 0.025 TO 0.040 GAL/SY OR AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE OPTION ITEMS FOR EMULSIFIED ASPHALT. EMULSIFIED ASPHALT BETWEEN THE SUPERPAVE SURFACE AND THE PAVER PLACED SURFACE TREATMENT AND BETWEEN THE MICROMILLED SURFACE AND THE PAVER PLACED SURFACE TREATMENT WILL BE PAID FOR UNDER ITEM 900.675 SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)(PG 70-28)(SBS POLYMER)(3/4" +/- 1/8" LIFT THICKNESS).
10. THE WEARING COURSE SHALL BE SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)(PG 70-28)(SBS POLYMER)(3/4" +/- 1/8" LIFT THICKNESS) AND THE INTERMEDIATE COURSE SHALL BE TYPE III SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SUBSECTION 490.03(b), EXCEPT THAT GRADE OF PG BINDER SHALL BE PG 70-28.
11. ALL SIDE ROADS ARE TO BE PAVED 25 FEET FROM THE EDGE OF SHOULDER UNLESS OTHERWISE SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
12. ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT AND PAID UNDER THE AGGREGATE SHOULDER OPTION ITEMS.
13. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A FOUR FOOT PAVED APRON UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE NEW BITUMINOUS CONCRETE DRIVE SURFACE SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES). BITUMINOUS CONCRETE MATERIAL PLACED BY MECHANICAL METHODS AT THESE LOCATIONS IS EXCLUDED. ALL OTHER BITUMINOUS CONCRETE MATERIAL PLACED WITHIN THE PROJECT LIMITS, BY HAND OR MECHANICAL METHODS, WILL BE PAID UNDER THE APPROPRIATE CONTRACT PAY ITEM FOR SUPERPAVE BITUMINOUS CONCRETE PAVEMENT OR SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)(PG 70-28)(SBS POLYMER)(3/4" +/- 1/8" LIFT THICKNESS) AS APPLICABLE.

14. THE CONTRACT UNIT PRICE FOR ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED, ITEM 651.35 TOPSOIL AND THE AGGREGATE SHOULDER OPTION ITEMS SHALL INCLUDE COMPACTION, GRADING, AND CLEAN UP OF THE MATERIALS PLACED.
15. ITEMS 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I AND 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II ARE ESTIMATED ITEMS AND SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION MATCHES WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES CALLING FOR REHABILITATION HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.412 AND 604.415. FOR ESTIMATING PURPOSES THE DISTRIBUTION IS AS FOLLOWS: 604.412 80%, 604.415 20%.
16. AN ESTIMATED QUANTITY OF ITEM 608.15 POWER GRADER RENTAL HAS BEEN INCLUDED FOR REMOVING BUILT UP SAND, SOD ETC. ADJACENT TO THE SHOULDER, IN NON-GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
17. ITEM 203.40 SHOULDER BERM REMOVAL HAS BEEN INCLUDED FOR THE REMOVAL OF BUILT UP SAND, SOD, ETC ADJACENT TO THE SHOULDER, IN GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
18. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.
19. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT. WOOD OR SYNTHETIC OFFSET BLOCKS SHALL BE USED. ALL EXISTING GUARDRAIL SHALL BE RETAINED UNLESS OTHERWISE NOTED.
20. A 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH SIX FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN EIGHT FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED, AND ITEM 621.75 REMOVE AND RESET GUARDRAIL.
21. ESTIMATED QUANTITIES OF ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES. 25 CUBIC YARDS OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR FLARE CONSTRUCTION. THE GUARDRAIL FLARES SHALL BE CAPPED WITH TWO INCHES OF TOPSOIL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
22. PAVEMENT MARKINGS ARE OPTIONED FOR THIS PROJECT. THE CONTRACTOR SHALL BID THE SAME PAVEMENT MARKING MATERIAL FOR ALL DURABLE 4 INCH WHITE, DURABLE 4 INCH YELLOW, DURABLE 8 INCH WHITE, DURABLE 4 INCH YELLOW AND DURABLE 24 INCH STOP BAR ITEMS. ALL PAVEMENT MARKINGS ARE PICTORIAL ONLY, ACTUAL SIZES SHOULD MATCH STANDARD DETAILS.
23. ITEM 646.76 LINE STRIPING TARGETS SHALL BE PLACED AS SPECIFIED IN THE CONTRACT DOCUMENTS FOR THE PLACEMENT OF THE WHITE EDGE LINES AND YELLOW CENTER LINES.
24. AN ESTIMATED QUANTITY OF ITEM 676.10 DELINEATOR WITH STEEL POST HAS BEEN INCLUDED TO REPLACE DELINEATORS FOUND TO BE MISSING OR IN NEED OF REPLACING.
25. ALL RUMBLE STRIPS SHALL RECEIVE TWO APPLICATIONS OF ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT) AT A RATE OF 0.15 GAL/SY WITH A TOLERANCE OF +/- 0.05 GAL/SY OR AS DIRECTED BY THE ENGINEER.

**TRAFFIC SIGN NOTES:**

26. ALL SIGNS SHALL BE DESIGNED IN ACCORDANCE WITH THE 2009 MUTCD, THE VAOT STANDARDS DRAWINGS AND AS DETAILED IN THE PLANS. IN THE EVENT OF A CONFLICT IN THE GUIDELINES, THE SIGNS SHALL BE DESIGNED AS DIRECTED BY THE ENGINEER.
27. ALL LETTERS AND NUMBERS USED FOR ALL SIGNS SHALL CONFORM TO THE APPLICABLE FONT AS DEFINED AND DETAILED IN THE 2004 SHSM AND THE 2012 SUPPLEMENT.
28. ALL ARROWS AND SYMBOLS SHALL CONFORM TO THE 2004 SHSM AND THE 2012 SUPPLEMENT UNLESS OTHERWISE DETAILED IN THE PLANS.
29. COLORS USED ON ALL SIGNS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1A.12 OF THE MUTCD, UNLESS OTHERWISE NOTED IN THE PLANS.
30. SIGN SHEETING OF FLUORESCENT YELLOW AND FLUORESCENT YELLOW GREEN SHALL BE AASHTO M268 (ASTM D4956) TYPE IX. ALL OTHER SIGN SHEETING SHALL BE TYPE III OR IV.

31. SHEETING TYPES AND MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHALL BE BY THE SAME MANUFACTURER AND BE CONSISTENT THROUGHOUT THE PROJECT UNLESS OTHERWISE DETAILED IN THE PLANS.
32. ALL NEW SIGN POSTS SHALL BE INSTALLED IN A NEW ANCHOR. ALL SIGNS INSTALLED IN PAVED OR CONCRETE ISLANDS SHALL ALSO BE INSTALLED WITH AN 18" SLEEVE. PAYMENT OF THE SLEEVE WILL BE CONSIDERED INCIDENTAL TO ITEM 675.341 SQUARE TUBE SIGN POST AND ANCHOR.
33. 1.75" SQUARE STEEL POSTS SHALL BE 14 GAUGE STEEL. 2.0" AND 2.5" SQUARE STEEL POSTS SHALL BE 12 GAUGE STEEL.
34. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
35. ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH VTRANS STANDARD E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROADS, UNLESS OTHERWISE NOTED.
36. ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY SHALL NOT BE ALLOWED EXCEPT AS NOTED ON THE PLANS.
37. OM3-R AND OM3-L OBJECT MARKERS SHALL BE INSTALLED USING BOLTS. RIVETS SHALL NOT BE ALLOWED FOR THE FASTENING OF OBJECT MARKERS.

**UTILITY NOTES:**

38. EXISTING UNDERGROUND AND AERIAL FACILITIES ARE LOCATED THROUGH THE ENTIRE PROJECT AREA. OWNERSHIP OF THESE FACILITIES INCLUDE OPERATIONAL UTILITY COMPANIES, MUNICIPALITIES AND INDIVIDUAL PROPERTY OWNERS. THE CONTRACTOR IS CAUTIONED TO PROTECT THESE FACILITIES FROM DAMAGE. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THESE UTILITIES AS A RESULT OF THE CONTRACTOR'S OPERATION AT NO COST TO THE STATE.
39. EXISTING UNDERGROUND AND AERIAL FACILITIES HAVE BEEN SHOWN ON THE PLANS WHERE TOPOGRAPHICAL SURVEY WAS OBTAINED. ALL OTHER UTILITIES HAVE BEEN SHOWN BASED ON RECORD PLANS.

ALL UTILITIES SHOWN ON THE PLANS HAVE BEEN PLOTTED TO QUALITY LEVEL "D", EXCEPT FOR THE FOLLOWING LOCATIONS, WHICH HAS BEEN PLOTTED TO QUALITY LEVEL "C": K 398+80 - B 6+00, 101+50 - B112+00, B 127+50 - B 143+50, B 164+50 - B 173+50, B 182+00 - B 192+50, B 206+50 - B 213+50, B 257+50 - B 267+50, W 20+00 - W 86+00.

UTILITY QUALITY LEVEL INFORMATION INDEX (SEE ASCE/CI 38-02):

**UTILITY QUALITY LEVEL A:**

PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT IS TYPICALLY USED TO MINIMIZE THE POTENTIAL FOR UTILITY DAMAGE. A PRECISE HORIZONTAL AND VERTICAL LOCATION, AS WELL AS OTHER UTILITY ATTRIBUTES, IS SHOWN ON PLAN DOCUMENTS. ACCURACY IS TYPICALLY SET TO 0.05 FEET (15-MM) VERTICAL AND TO APPLICABLE HORIZONTAL SURVEY AND MAPPING ACCURACY AS DEFINED OR EXPECTED BY THE PROJECT OWNER. INFORMATION IS ONLY VALID WITHIN THE VISIBLE LIMITS OF THE TEST HOLE.

**UTILITY QUALITY LEVEL B:**

INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

**UTILITY QUALITY LEVEL C:**

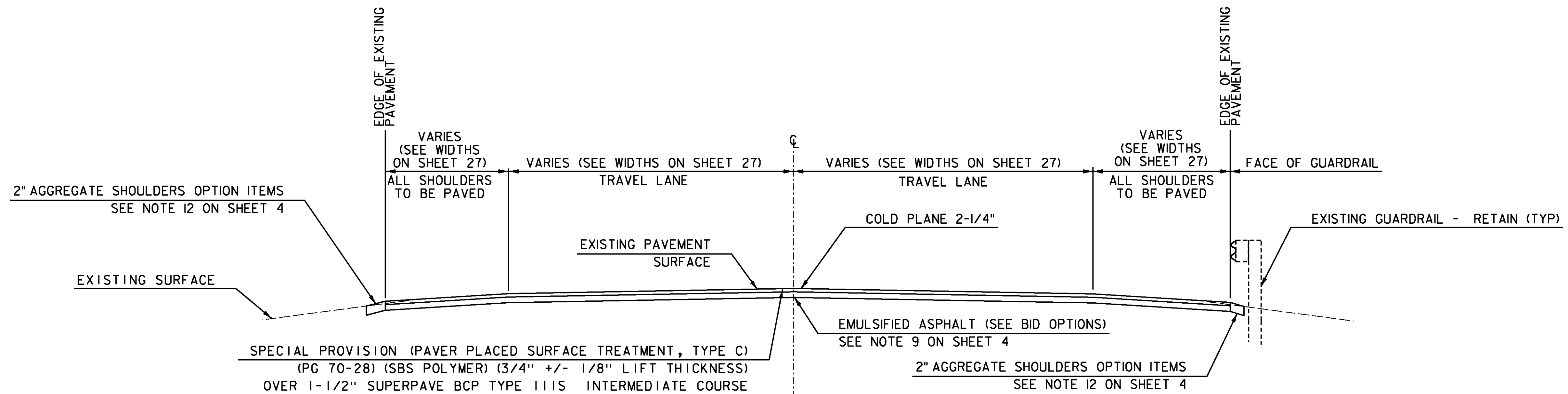
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

**UTILITY QUALITY LEVEL D:**

INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

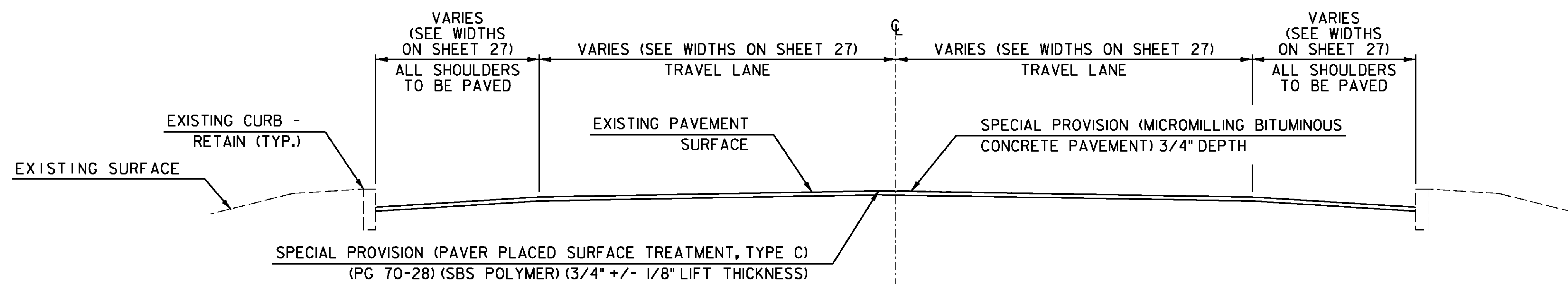
40. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT THE CONTRACTOR'S OPERATIONS SHALL IN NO WAY WEAKEN OR DAMAGE PROPERTY OF THE UTILITY. ANY DAMAGE TO THE PROPERTY OF THE UTILITY AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR TO THE FULL SATISFACTION OF THE OWNER OF THE UTILITY. SEE THE UTILITY SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92notes.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: N. INGRISAN
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
PROJECT NOTES SHEET	SHEET 4 OF 146



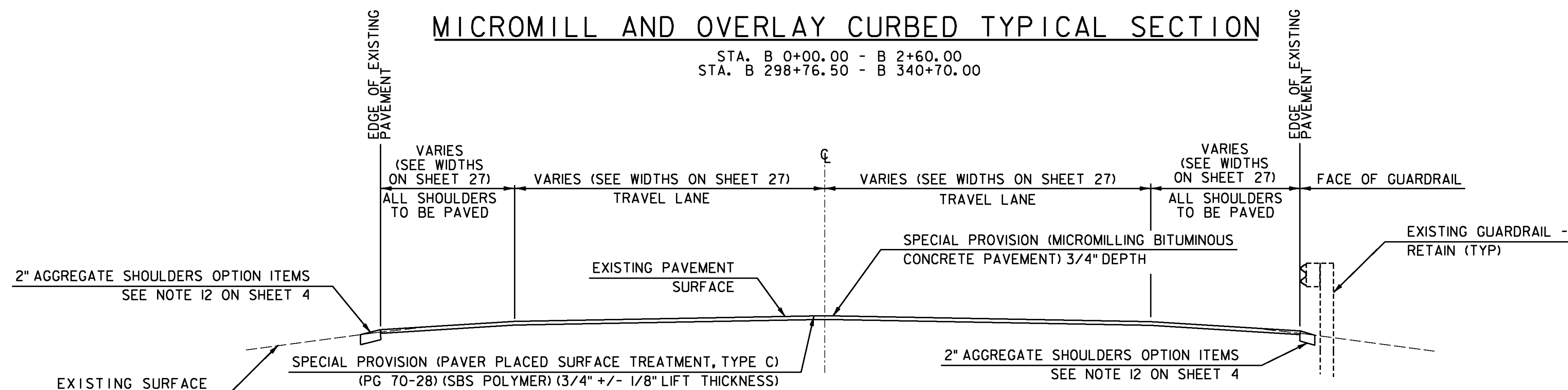
### COLD PLANE AND OVERLAY TYPICAL SECTION

STA. B 350+60.00 - W 12+70.00



### MICROMILL AND OVERLAY CURBED TYPICAL SECTION

STA. B 0+00.00 - B 2+60.00  
STA. B 298+76.50 - B 340+70.00



### MICROMILL AND OVERLAY TYPICAL SECTION

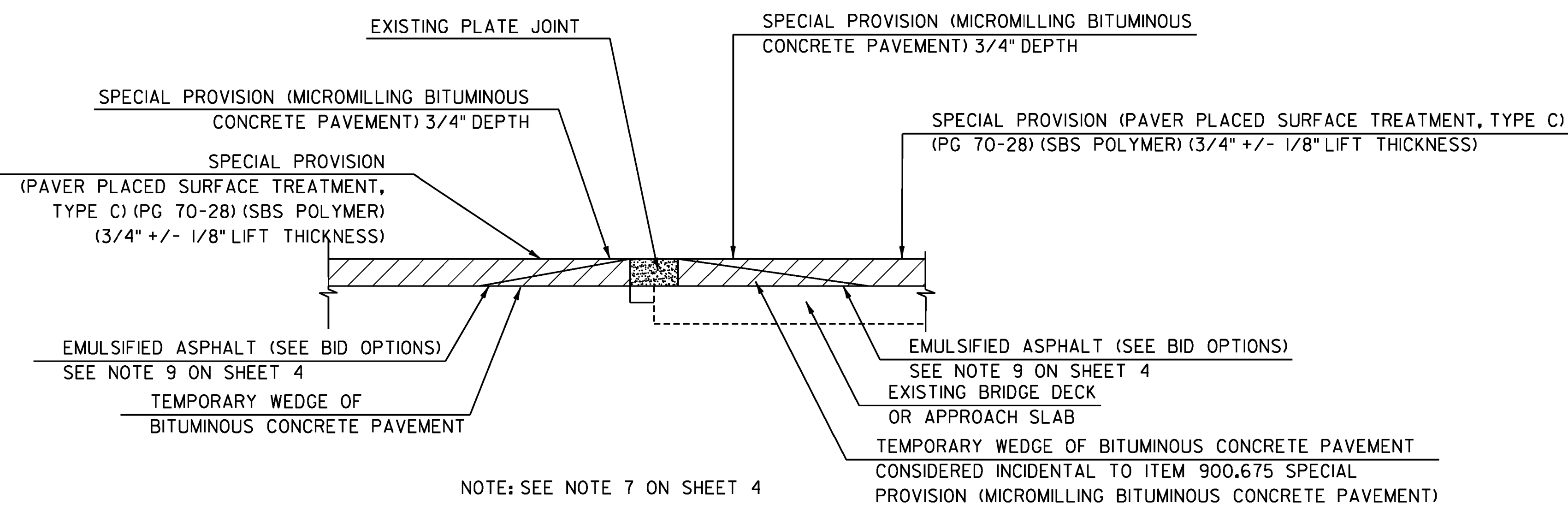
STA. K 398+80.00 - K 447+82.42 = B 0+00.00  
STA. B 6+65.00 - B 84+65.00  
STA. B 86+95.00 - B 118+40.00  
STA. B 120+85.00 - B 149+85.00  
STA. B 152+40.00 - B 298+76.50  
STA. B 340+70.00 - B 350+60.00  
STA. W 12+70.00 - W 298+83.00

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

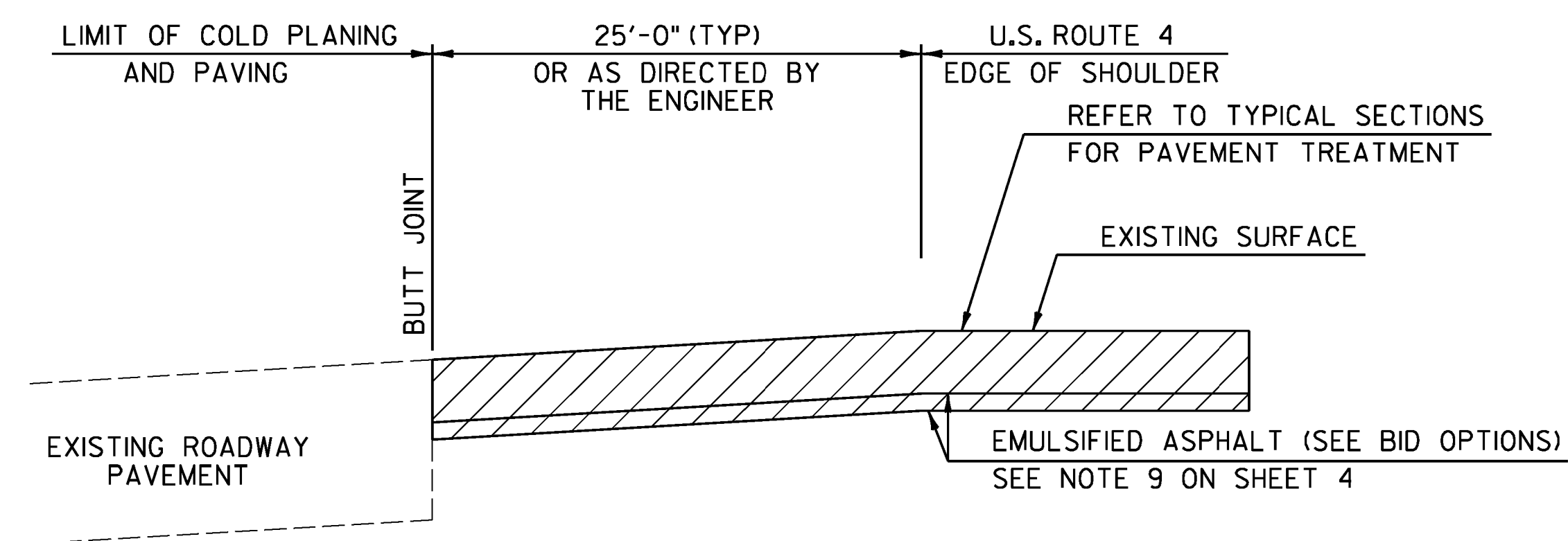
FILE NAME: z13bi92typ.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TYPICAL SECTION SHEET 1

PLOT DATE: 3/7/2016  
DRAWN BY: N.GOTTIER  
CHECKED BY: E. ATKINS  
SHEET 5 OF 146

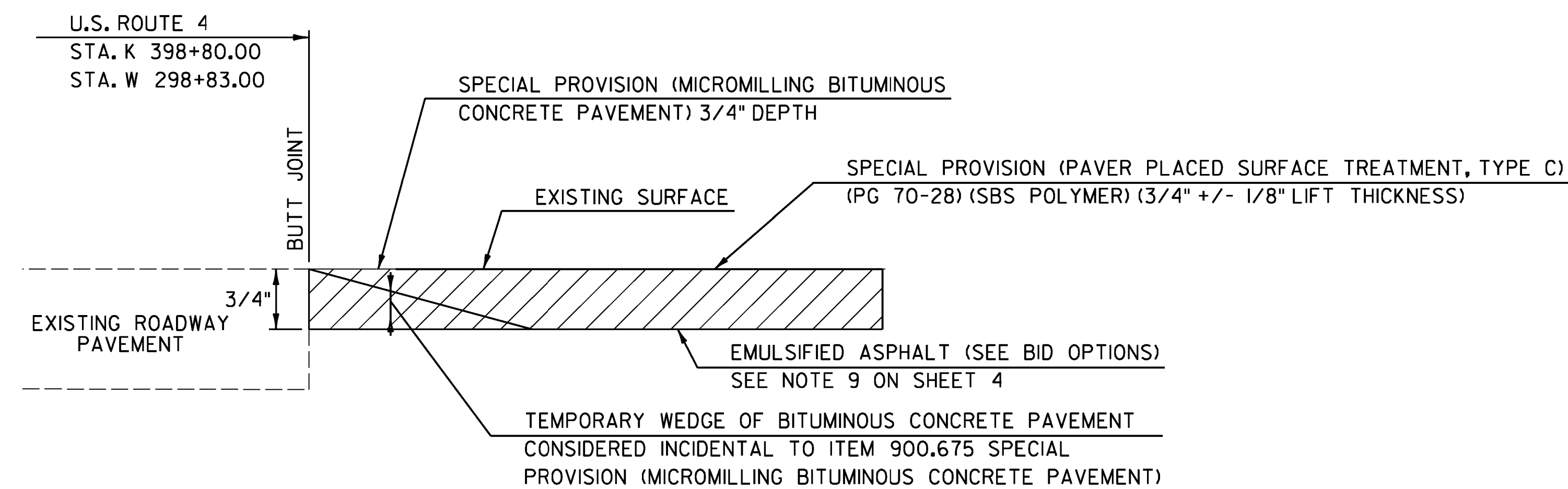
NOT TO SCALE



BRIDGE APPROACH & COLD PLANE DETAIL AT PLATE JOINTS



APPROACH AREA DETAIL ON SIDE ROADS



APPROACH AREA DETAIL ON US ROUTE 4

Station		Length (FT)
K 398+80	K 422+01	2321
K 422+41	K 425+41	300
K 425+81	K 432+54	673
<del>K 432+94</del>	<del>K 435+51</del>	<del>267</del>
K 436+01	<del>B 1+00</del> K 441+60	<del>559</del>
B 7+00	<del>B 17+00</del> B 16+77	<del>977</del>
<del>B 18+00</del>	<del>B 57+00</del>	<del>3900</del>
B 59+00	<del>B 60+00</del> B 66+50	<del>750</del>
B 70+20	B 83+80	1360
<del>B 84+20</del> B 86+95	B 93+30	<del>540</del> 635
B 93+70	B 109+00	1530
B 124+00	B 134+00	1000
B 139+00	<del>B 150+00</del> B 149+85	<del>1700</del> 1085
<del>B 160+00</del> B 167+00	B 175+80	<del>380</del> 880
B 176+20	B 200+00	2380
B 202+00	B 210+55	855
B 210+95	B 233+00	2205
B 248+00	B 256+00	800
B 259+00	B 279+00	2000
<del>B 281+00</del>	<del>B 287+00</del>	<del>600</del>
B 323+00	B 334+50	1150
B 336+00	<del>B 351+00</del> B 350+15	<del>1500</del> 1415
<del>W 28+00</del>	<del>W 33+00</del>	<del>500</del>
<del>W 36+00</del>	<del>W 45+51</del>	<del>854</del>
W 45+91	W 71+00	2509
W 86+00	W 102+00	1600
<del>W 104+00</del>	<del>W 102+00</del>	<del>2800</del>
W 136+00	W 141+00	500
W 145+00	W 158+00	1300
W 160+00	<del>W 164+00</del> W 162+00	<del>400</del> 200
W 186+00	<del>W 212+00</del> W 210+57	<del>2600</del>
TOTAL		<del>42997</del> 37394

STATION		LENGTH (FT)
B 19+24	B 29+00	976
B 35+45	B 57+00	2155
B 152+40	B 156+00	360
W 104+50	W 120+80	1630
W 123+68	W 132+22	832

CENTER LINE RUMBLE STRIP TABLE

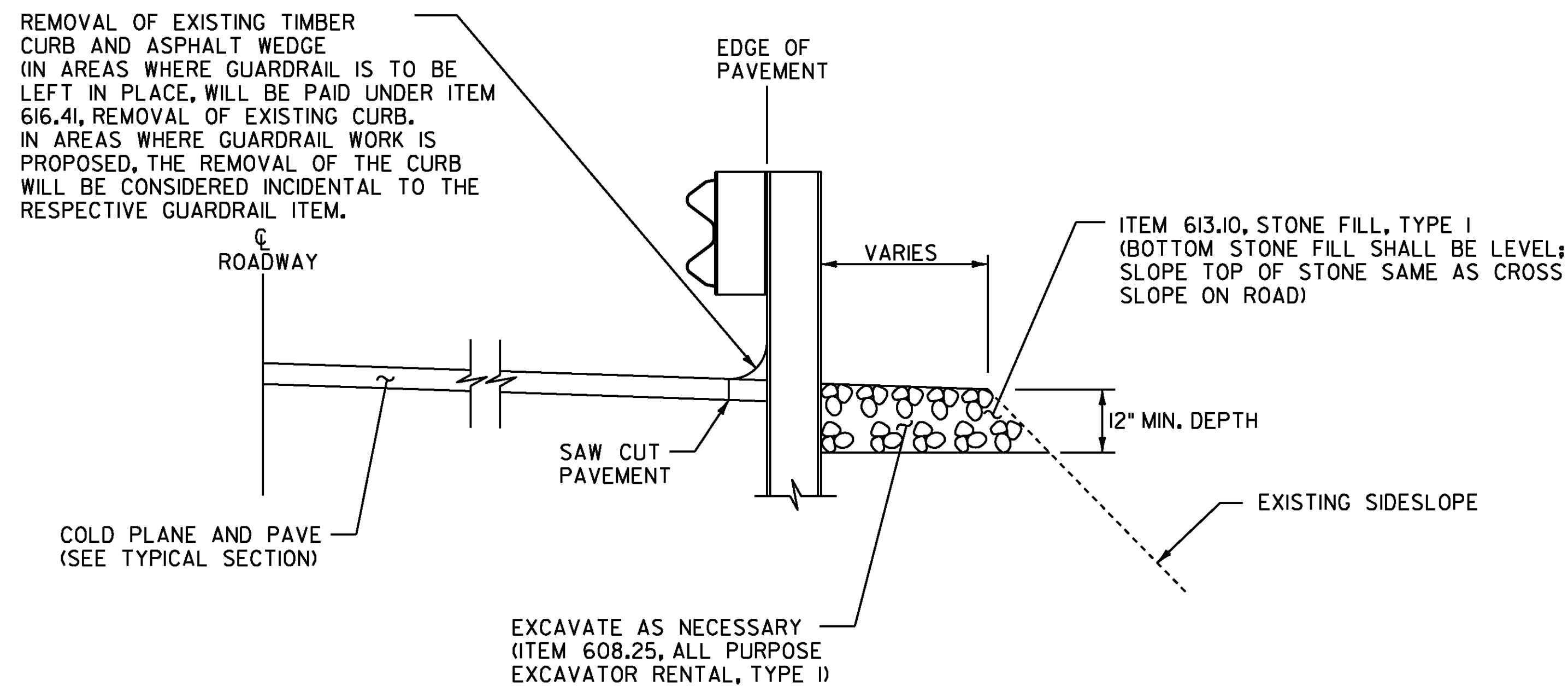
BRIDGE NO.	NO. OF JOINTS	LENGTH OF JOINTS	TOTAL LENGTH
BRIDGE 34	4	60'	240'
BRIDGE 38	2	43'	86'
BRIDGE 44	<del>2</del>	<del>50'</del> 46'+42.5'	<del>300'</del> 88.5'
BRIDGE 45	2	<del>38'</del> 35.1'+35.5'	<del>78'</del> 70.6'
TOTAL	<del>10</del>		<del>698'</del> 485.1'

NOTE: ALL ASPHALTIC PLUG JOINTS SHALL BE CONSTRUCTED AS SHOWN SD-516.10 AND AS SPECIFIED ON THE PROJECT NOTES SHEET.

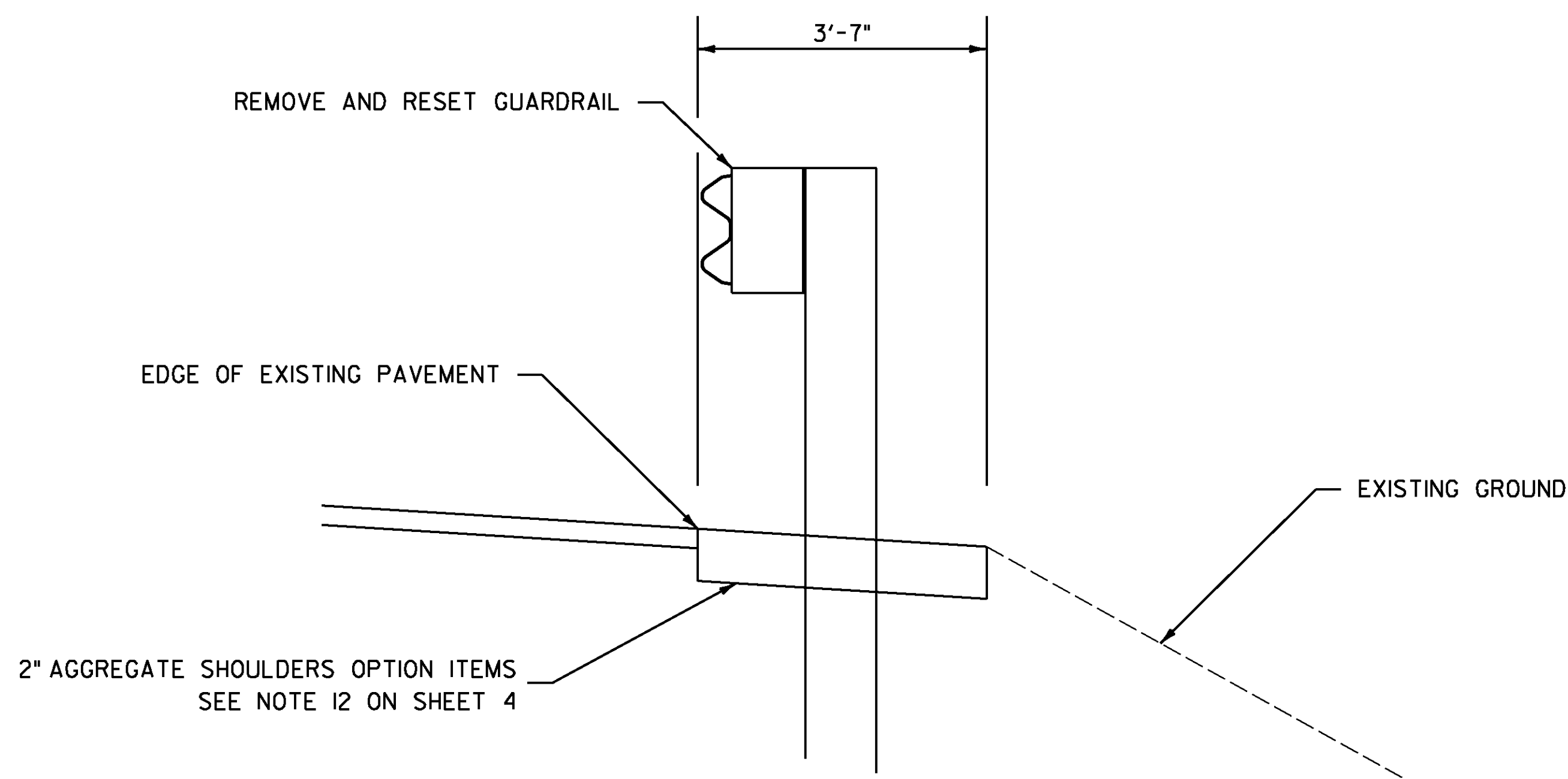
ASPHALTIC PLUG JOINTS

NOT TO SCALE

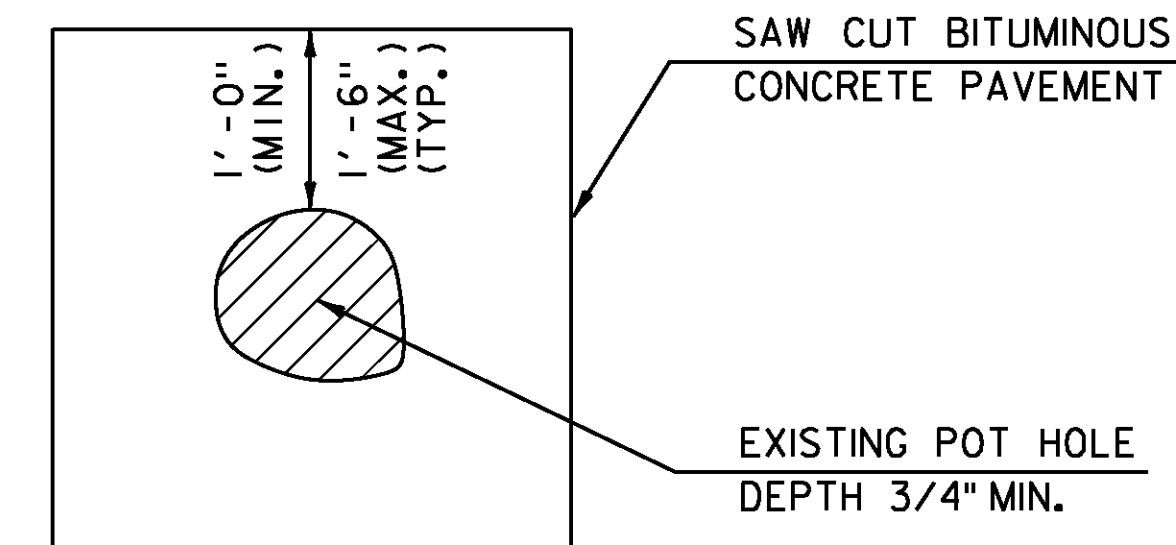
PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192+typ.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
TYPICAL DETAILS SHEET I	
PLOT DATE:	3/7/2016
DRAWN BY:	N.GOTTIER
CHECKED BY:	E. ATKINS
SHEET	6 OF 146



**CURB REMOVAL AND STONE FILL BACKING DETAIL**

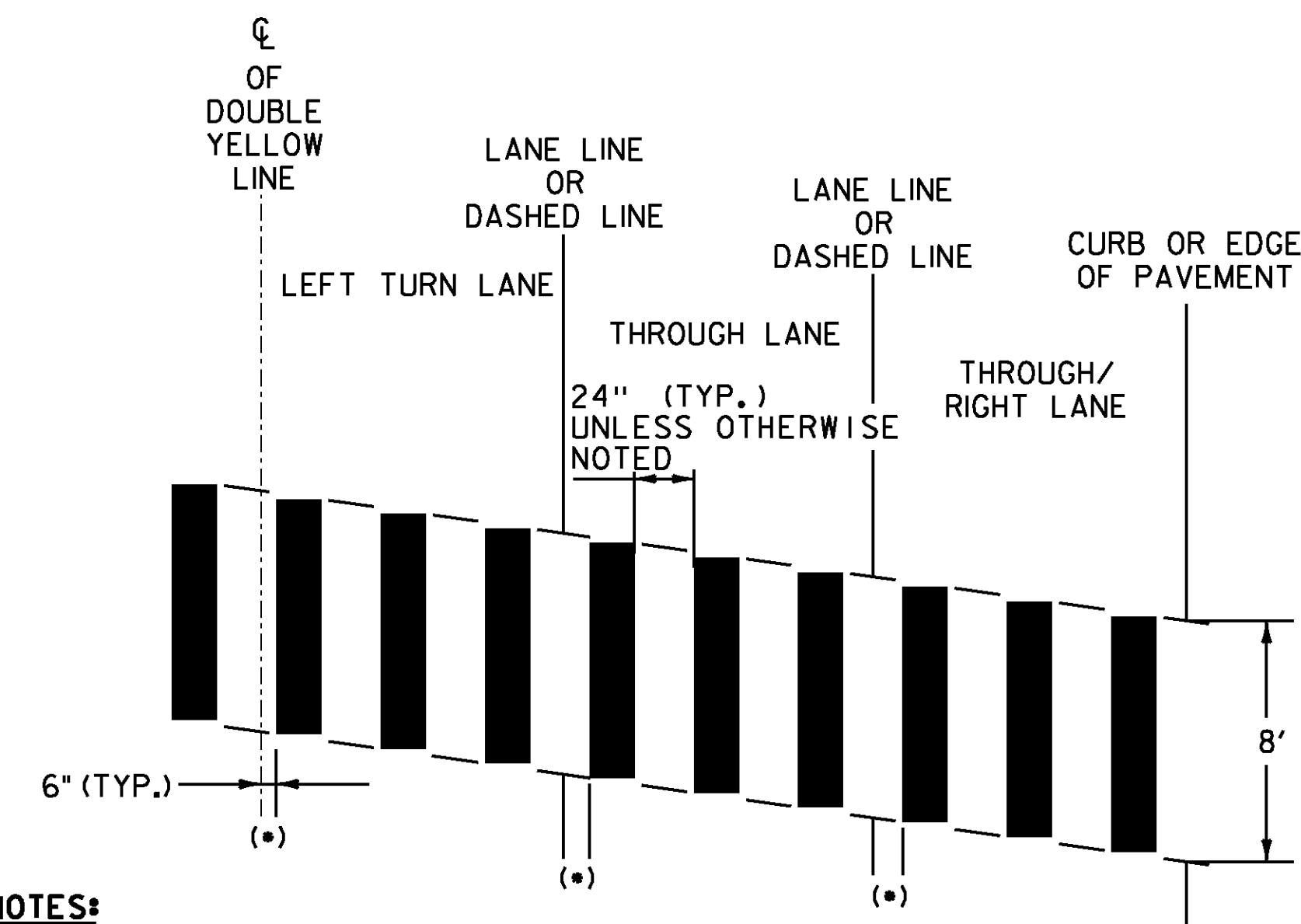


**REMOVE AND RESET GUARDRAIL DETAIL**



**TYPICAL POT HOLE REPAIR**

NOTE: EMULSIFIED ASPHALT SHALL BE APPLIED AT ALL PATCH INTERFACES AT A RATE OF 0.25 - 0.50 GAL/SY. THE COST ASSOCIATED WITH THE APPLICATION OF EMULSIFIED ASPHALT WILL BE PAID UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SURFACE PREPARATION, TYPE 1).



**NOTES:**

1. THIS DETAIL IS CONFIGURED FOR AN 11 FOOT LANE.
2. MARK LIGHT STRING LINE ON PAVEMENT ACROSS ROADWAY (CURB TO CURB).
3. ESTABLISH THE CENTER LINE OF THE ROADWAY (DOUBLE YELLOW LINE OR LANE LINE).
4. BLOCKS ARE PARALLEL TO THE CENTERLINE (DOUBLE YELLOW LINE OR LANE LINE). (OFFSET BLOCKS VERTICALLY TO ACHIEVE REQUIRED SKEW).
5. ALWAYS START MEASURING FROM THE CENTERLINE OR LANE LINE RIGHT, WITH THE FLOW OF TRAFFIC.
6. PAINTED BLOCKS ARE 24" (TYP.).
- (*) 7. THIS DISTANCE WILL INCREASE TO 12" FOR A 12 FOOT LANE.

**BLOCK PATTERN CROSSWALK DETAIL**

SEE PLAN SHEET 45 FOR LOCATIONS.

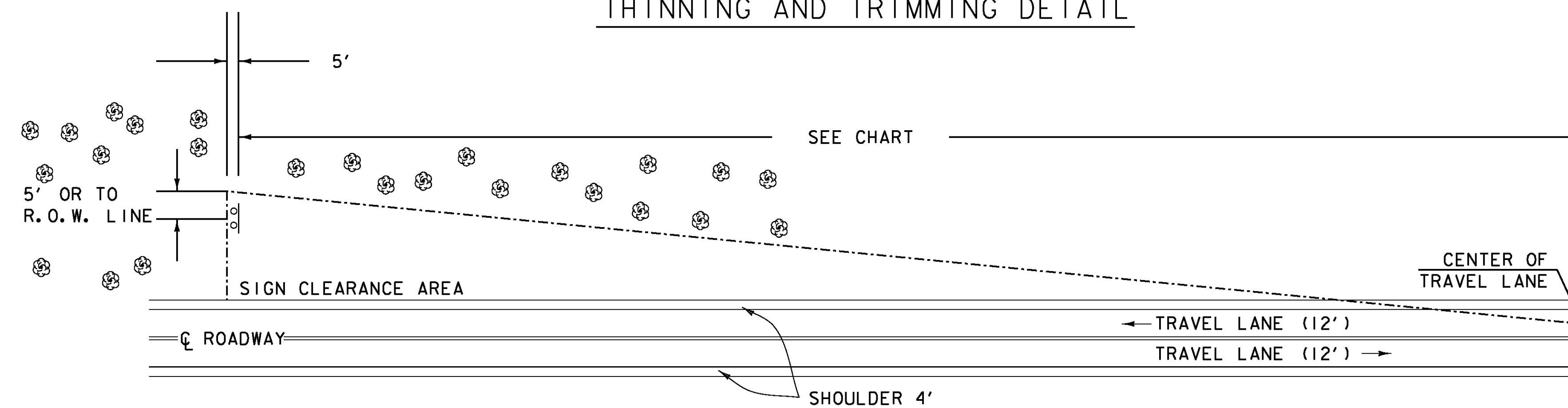
PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92+typ.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TYPICAL DETAILS SHEET 2

PLOT DATE: 3/7/2016  
DRAWN BY: N. INGRISANI  
CHECKED BY: E. ATKINS  
SHEET 7 OF 146

NOT TO SCALE

THINNING AND TRIMMING DETAIL



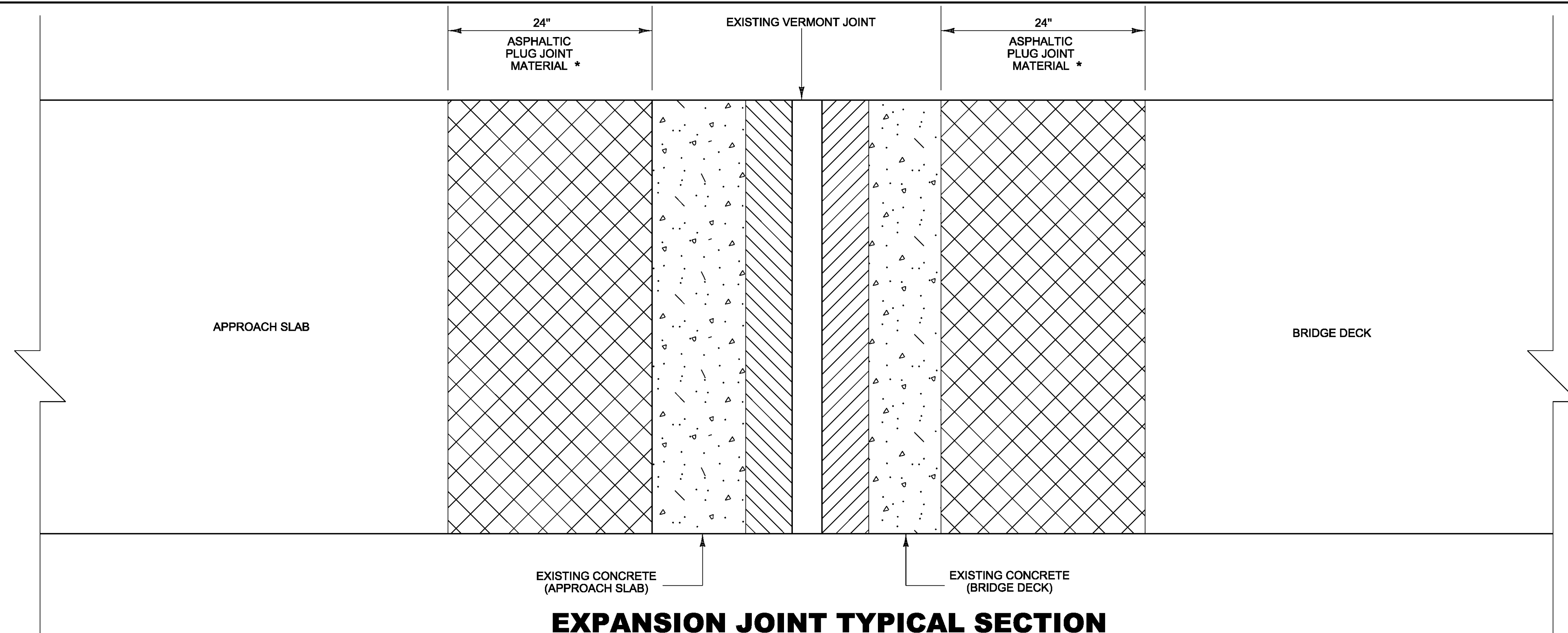
THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS, TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE ARE AND DOWN TO GROUND LEVEL. PAYMENT WILL BE MADE UNDER ITEM 201.31 THINNING AND TRIMMING FOR SIGNS AND PAID PER EACH. NO CHEMICALS (POISONS OR DEFOLIANTS) ALLOWED

MINIMUM SIGN SIGHT DISTANCE CHART

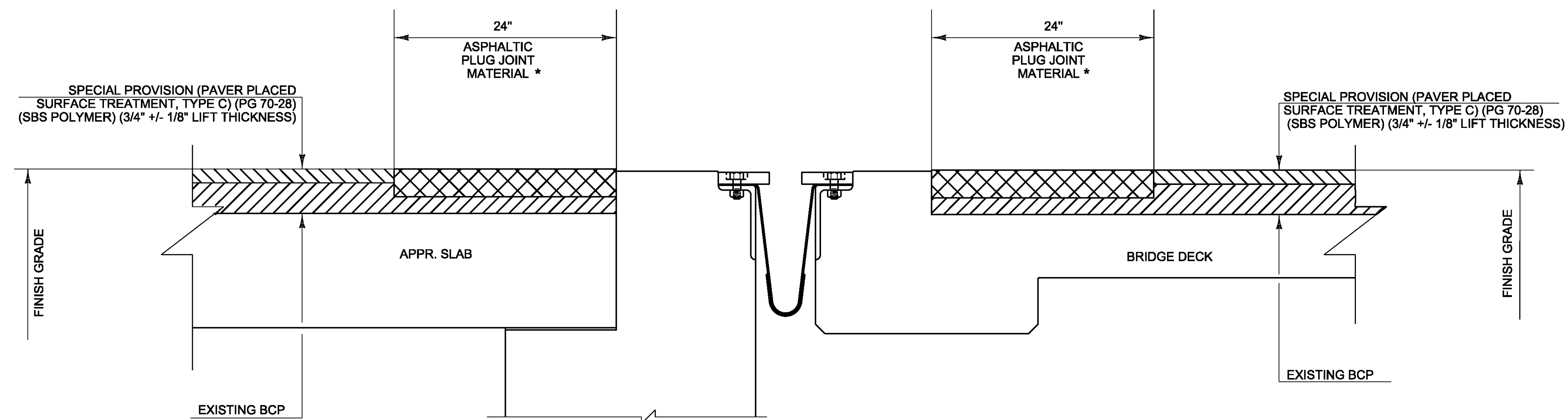
APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

NOT TO SCALE

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92+yp.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
THINNING AND TRIMMING FOR SIGNS DETAIL	SHEET 8 OF 146



**EXPANSION JOINT TYPICAL SECTION  
PLAN VIEW  
(VERMONT JOINT)**

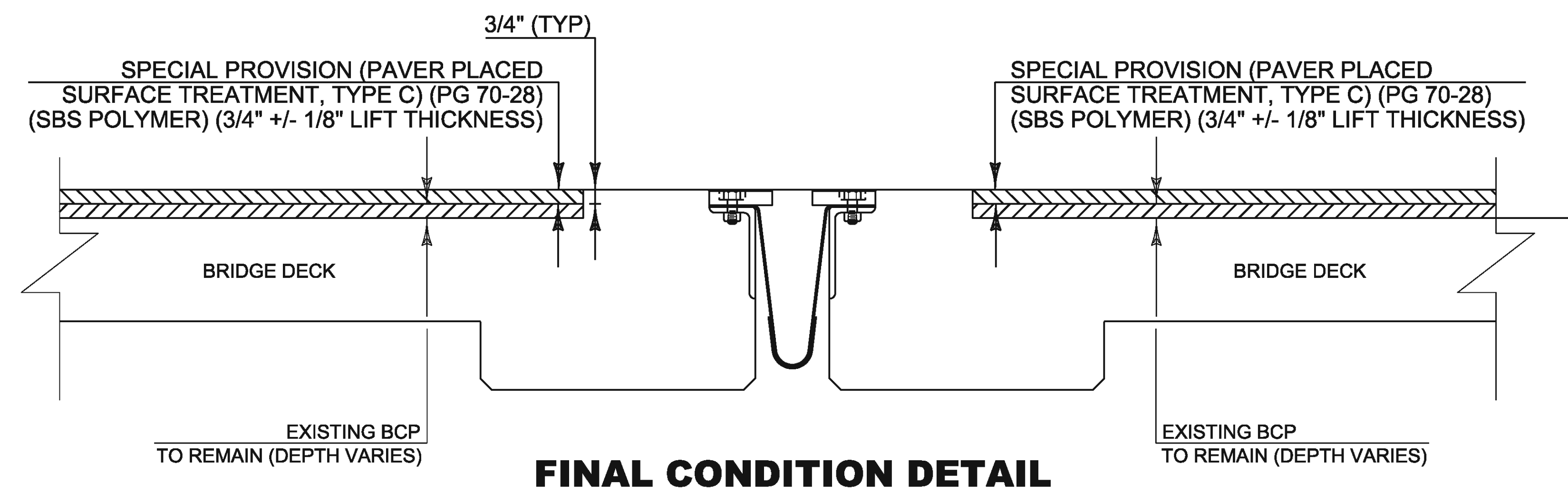
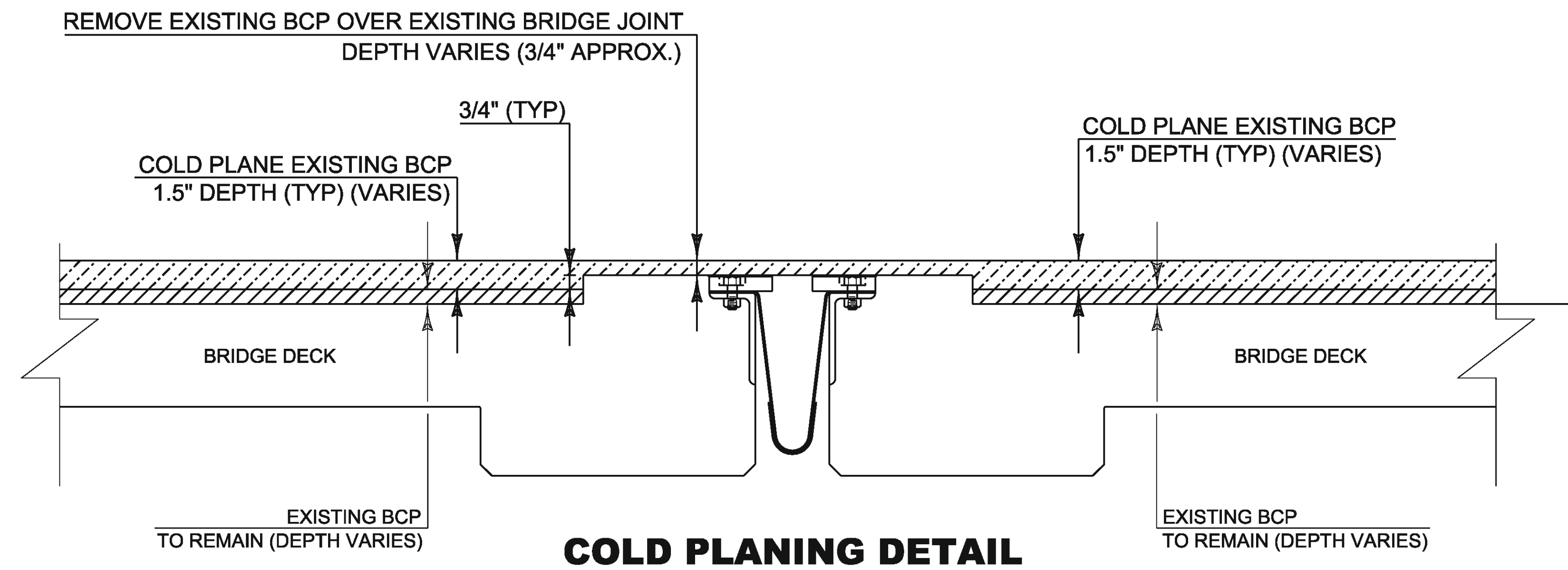


**EXPANSION JOINT COLD PLANING DETAIL  
CROSS SECTION  
(VERMONT JOINT)**

* 2" MINIMUM THICKNESS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME: z13bi92expJnt.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: K. SINGH
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
EXPANSION JOINT (VERMONT JOINT) DETAILS	SHEET 9 OF 146

NOT TO SCALE



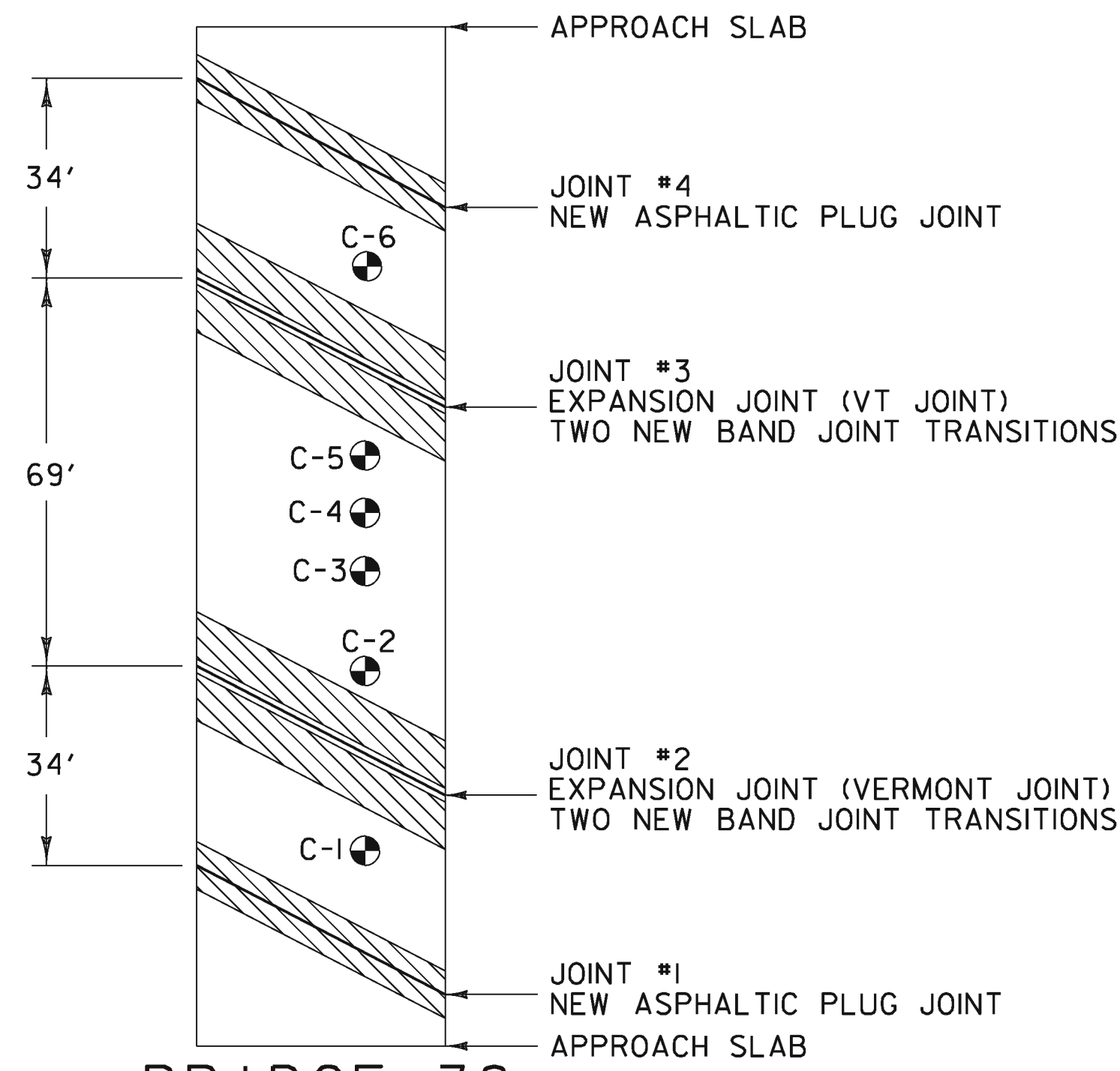
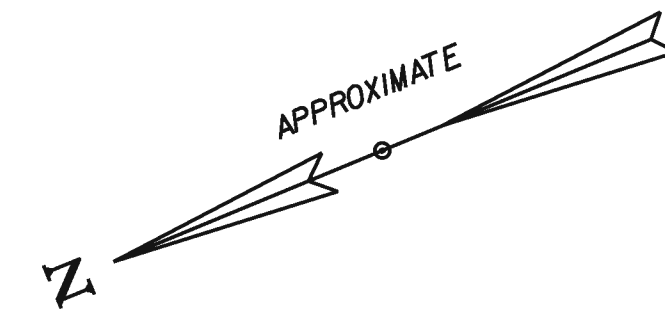
**PAVED OVER EXPANSION JOINT REPAIR DETAIL  
BRIDGE 38 AND BRIDGE 45  
CROSS SECTION**

**NOTES:**

1. THERE IS APPROXIMATELY 3/4" OF BITUMINOUS CONCRETE PAVEMENT OVER THE EXISTING EXPANSION JOINTS ON BRIDGE 38 AND BRIDGE 45. THE CONTRACTOR SHALL REMOVE THE EXISTING PAVEMENT OVER THE JOINTS AND COLD PLANE THE PAVEMENT ON THE BRIDGE TO THE DEPTHS SHOWN ON THE DETAILS ABOVE. THE CONTRACTOR SHALL RESURFACE THE BRIDGE WITH SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) (PG 70-28) (SBS POLYMER) (3/4" +/- 1/8" LIFT THICKNESS) SO THAT FINISHED GRADE IS FLUSH WITH THE TOP OF THE EXPANSION JOINT AS DEPICTED IN THE FINAL CONDITION DETAIL.
2. THE MEMBRANE ON BRIDGE 38 APPEARS TO BE COMPROMISED IN ITS CURRENT STATE. IF FURTHER DAMAGE OCCURS THROUGH THE COLD PLANE PROCESS, ALL REPAIRS SHALL BE MADE BY APPLYING CRS-1P EMULSION, AS SPECIFIED IN SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) (PG 70-28) (SBS POLYMER) (3/4" +/- 1/8" LIFT THICKNESS) AND AS DIRECTED BY THE ENGINEER. THE COST OF THE REPAIR SHALL BE CONSIDERED INCIDENTAL TO SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) (PG 70-28) (SBS POLYMER) (3/4" +/- 1/8" LIFT THICKNESS).
3. THE CONTRACTOR SHALL PROVIDE A 50-FOOT COLD PLANE TRANSITION OFF THE BRIDGE.

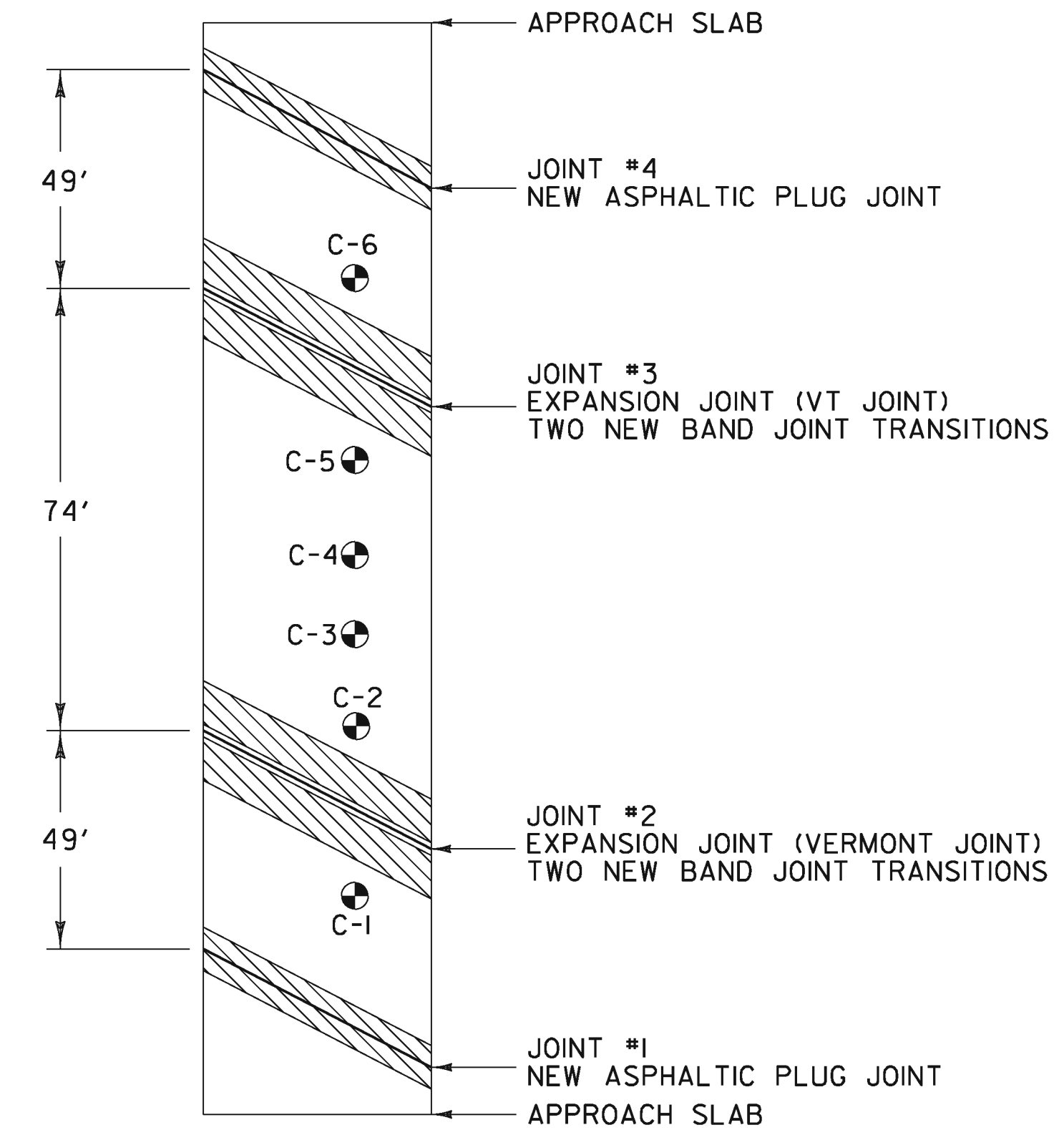
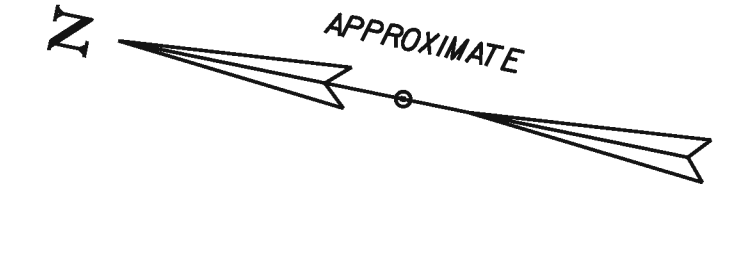
NOT TO SCALE

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92expJnt.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
PAVED OVER EXPANSION JOINT DETAIL	CHECKED BY: E. ATKINS
	PLOT DATE: 3/7/2016
	DRAWN BY: I. KHALID
	SHEET 10 OF 146



**BRIDGE 38**

STA. B 67+52.8 BRIDGEWATER  
MM 1.279



**BRIDGE 45**

STA. B 283+32.0 BRIDGEWATER  
MM 5.366

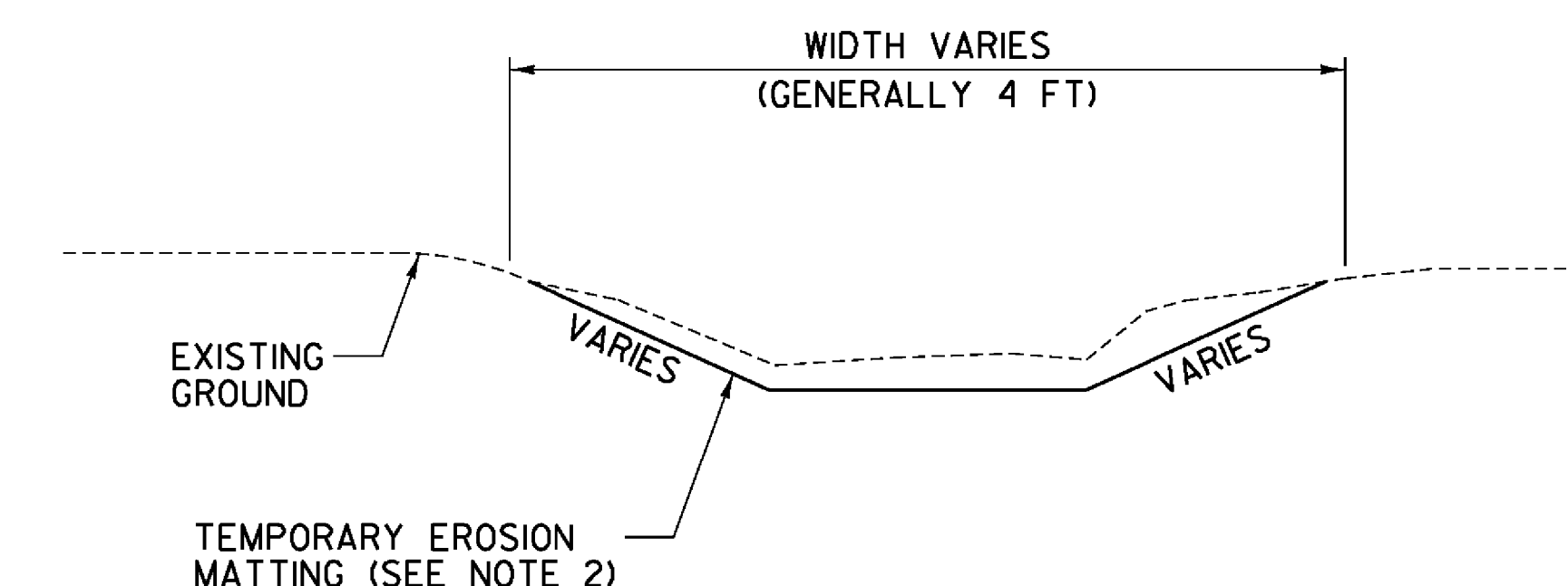
Project Name and Number: 13b192 KILLINGTON- WOODSTOCK ER NH 020-2(38)												DATE: 10/3/2015	
#	TOWN	ROUTE	DIR/OS	LOCATION	DEPTH IN.	PCC UNDER	OVER ASPHALTED	DRAINABLE BASE	SOLID CORE	STRIPPED? WHERE?	SHOULDER CORE?	COMMENTS	
BR 38	BRIDGEWATER	US4	EAST	ALL CORES WERE TAKEN IN THE EAST BOUND LANE									
1	"	"	"	7.9' OFF FACE OF CURB & 66" WEST, OFF CENTER OF JOINT.	3.0"	Y	Y	N	Y	N	N	1.5" OF PAVEMENT IS ON TOP OF THE JOINT. BOTTOM 1" WAS OVER ASPHALTED. NO MEMBRANE.	
2	"	"	"	8.0' OFF FACE OF CURB & 75" EAST, OFF CENTER OF JOINT.	3.0"	Y	Y	N	Y	N	N	1.5" OF PAVEMENT IS ON TOP OF THE JOINT. BOTTOM 1" WAS OVER ASPHALTED. NO MEMBRANE.	
3	"	"	"	8.1' OFF FACE OF CURB & 18.5" EAST OF WESTERLY JOINT.	3.0"	Y	Y	N	Y	N	N	BOTTOM 1" WAS OVER ASPHALTED. NO MEMBRANE.	
4	"	"	"	OFF FACE OF CURB & 22.0" WEST OF EASTERLY JOINT.	3.0"	Y	Y	N	Y	N	N	BOTTOM 1" WAS OVER ASPHALTED. NO MEMBRANE.	
5	"	"	"	6.75' OFF FACE OF CURB & 75" WEST, OFF CENTER OF JOINT.	2.875"	Y	Y	N	Y	N	N	1.5" OF PAVEMENT IS ON TOP OF THE JOINT. BOTTOM 1" WAS OVER ASPHALTED. NO MEMBRANE.	
6	"	"	"	4.0' OFF FACE OF CURB & 6.25" EAST, OFF CENTER OF JOINT.	2.75"	Y	Y	N	Y	N	N	1.5" OF PAVEMENT IS ON TOP OF THE JOINT. BOTTOM 1" WAS OVER ASPHALTED. NO MEMBRANE.	

Project Name and Number: 13b192 KILLINGTON- WOODSTOCK ER NH 020-2(38)												DATE: 10/3/2015	
#	TOWN	ROUTE	DIR/OS	LOCATION	DEPTH IN.	PCC UNDER	OVER ASPHALTED	DRAINABLE BASE	SOLID CORE	STRIPPED? WHERE?	SHOULDER CORE?	COMMENTS	
BR 45	BRIDGEWATER	US4	EAST	ALL CORES WERE TAKEN IN THE EAST BOUND LANE									
1	"	"	"	4.8' OFF FACE OF CURB & 9.4" WEST, OFF CENTER OF JOINT.	1.875"	Y	N	N	Y	N	N	WITH MEMBRANE	
2	"	"	"	3.6' OFF FACE OF CURB & 9.7" EAST, OFF CENTER OF JOINT.	1.5"	Y	N	N	Y	N	N	WITH MEMBRANE	
3	"	"	"	9.5' OFF FACE OF CURB & 22.0" EAST OF WESTERLY JOINT.	2.5"	Y	N	N	Y	N	N	WITH MEMBRANE	
4	"	"	"	9.4' OFF FACE OF CURB & 22.0" WEST OF EASTERLY JOINT.	2.375"	Y	Y	N	Y	N	N	BOTTOM 0.375" ARE OVER ASPHALTED. WITH MEMBRANE.	
5	"	"	"	6.75' OFF FACE OF CURB & 75" WEST, OFF CENTER OF JOINT.	2.5"	Y	Y	N	Y	N	N	BOTTOM 0.5" ARE OVER ASPHALTED. WITH MEMBRANE.	
6	"	"	"	9.0' OFF FACE OF CURB & 3.4" EAST, OFF CENTER OF JOINT.	1.75"	Y	N	N	Y	N	N	WITH MEMBRANE	

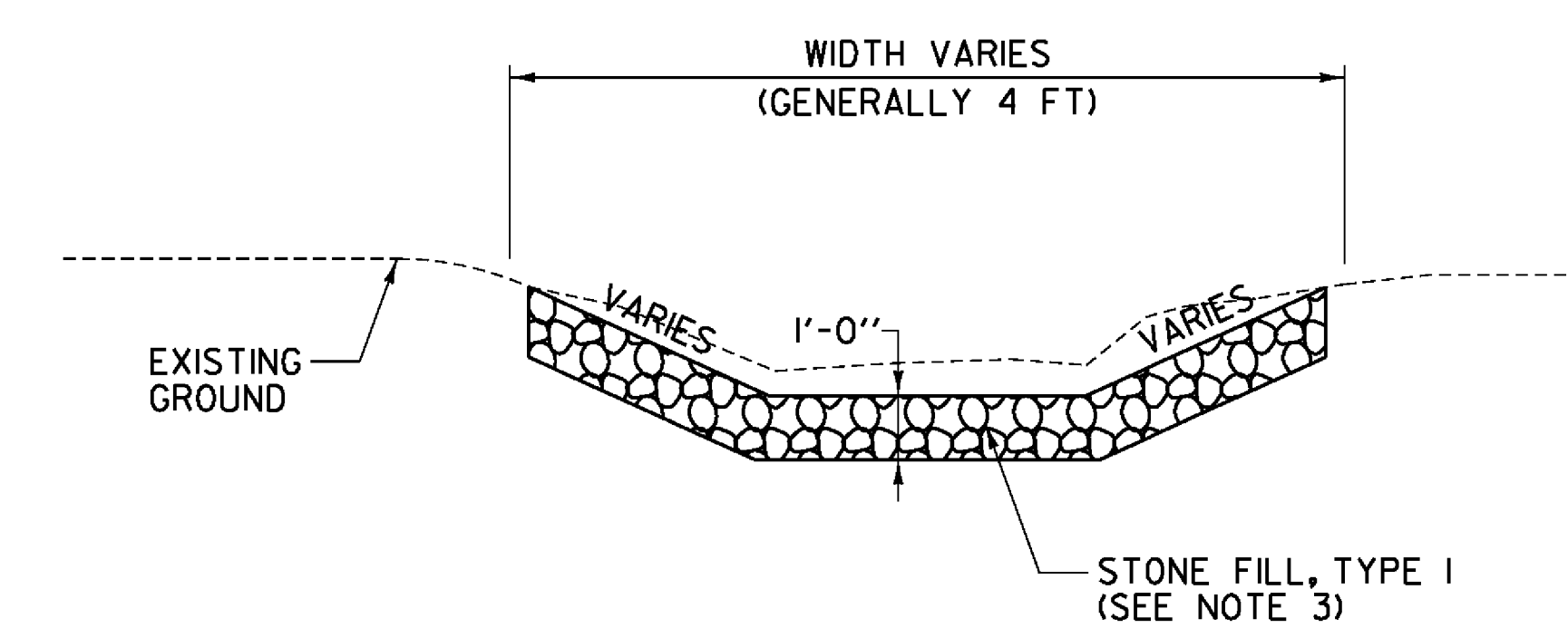
PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192expjnt.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: I. KHALID  
 DESIGNED BY: T. BIGELOW CHECKED BY: E. ATKINS  
 BRIDGE EXPANSION JOINT DETAIL SHEET SHEET II OF 146

NOT TO SCALE

LOCATION				FEET OF DITCHING			MISC. ITEMS				REMARKS	LOCATION				FEET OF DITCHING			MISC. ITEMS				REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE			STONE FILL, TYPE I	SEED	TEMP. EROS. MATT.	GEO. UNDER STONE FILL		SITE	STATION	STATION	POS.	PERCENT GRADE			STONE FILL, TYPE I	SEED	TEMP. EROS. MATT.		
				0-2.5	2.5-10	>10										0-2.5	2.5-10	>10					
US. ROUTE 4							CY	LB	SY	SY	KILLINGTON:							CY	LB	SY			
<del>KILLINGTON:</del>											<del>KILLINGTON:</del>												
<del>BRIDGEWATER:</del>											<del>BRIDGEWATER:</del>												
<del>WOODSTOCK:</del>											<del>WOODSTOCK:</del>												
KILLINGTON:											KILLINGTON:												
K	436+60	K 442+15	RT		555		82				K	437+55	K441+91	RT		436		113			STONE FILL		
B	79+20	B 80+78	RT	158			2	70			K	440+25		LT	10		2.6				CULVERT OUTLET		
B	176+88	B 182+16	LT	528			6	235			K	441+75		LT	5.5		1.5				CULVERT OUTLET		
B	266+64	B 280+37	RT	1373			15	610			BRIDGEWATER:												
B	294+09	B 298+85	LT	476			5	212			B	78+25	B83+00	RT	475						DITCHING		
B	314+69	B 335+28	LT	2059			23	915			B	127+22	B132+07	LT	485		101.3				STONE FILL BACKING STABILIZE SLOPE		
B	346+90	B 352+18	LT	528			6	235			B	143+50	B144+65	RT	115		119.8				DITCHING		
B	362+74	B 367+49	LT	475			5	211			B	156+80	B157+25	LT	45						DITCHING		
B	386+50	B 391+25	LT	475			5	211			B	162+60		LT	0		2.9				STABILIZE SLOPE		
W	7+92	W 13+73	LT	581			6	258			B	176+70	B182+30	LT	560						DITCHING		
W	47+52	W 59+13	LT	1162			13	516			B	268+50	B272+80	RT	430						DITCHING		
W	66+53	W 71+28	LT	475			5	211			B	315+15	B322+05	LT	690						DITCHING		
W	95+57	W 116+16	LT	2059			23	915			B	327+18	B328+68	LT	150		50.0				STABILIZE SLOPE		
W	133+58	W 138+86	LT	528			6	235			B	329+28	B340+33	LT	1105						DITCHING		
W	157+87	W 165+26	LT	739			8	328			B	354+35	B359+75	LT	540						DITCHING		
W	179+52	W 215+42	LT	3590			39	1596			B	356+20	B356+60	LT	40						DITCHING		
W	268+22	W 274+42	LT	634			7	282			B	362+60	B367+25	LT	465						DITCHING		
W	280+37	W 295+68	LT	1531			17	680			WOODSTOCK:												
											W	11+50	W13+25	LT	175						DITCHING		
											W	47+67	W49+72	LT	205						DITCHING		
											W	49+88	W50+50	LT	62		8.6				STONE SWALE		
											W	51+43	W52+25	LT	82						DITCHING		
											W	98+00	W101+50	LT	350						DITCHING		
											W	135+45	W138+60	LT	315						DITCHING		
											W	161+12	W165+75	LT	463						DITCHING		
											W	180+50	W215+00	LT	3450						DITCHING		
											W	268+55	W272+19	LT	364						DITCHING		
											W	285+50	W295+90	LT	1040						DITCHING		
ROUNDING:				29	5		3	9	80														
TOTALS:				17400	560		85	200	7800														



**DITCH DETAIL**



**STONE DITCH DETAIL**

- NOTES:**
- PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
  - ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING AND SEED HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE ENGINEER.
  - ESTIMATED QUANTITIES OF STONE FILL TYPE I HAVE BEEN INCLUDED AS NEEDED. STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2.5 AND 10 PERCENT OR AS DIRECTED BY THE ENGINEER.

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192d1tch.dgn
PLOT DATE:	3/7/2016
PROJECT LEADER:	E. ATKINS
DRAWN BY:	D. FRANZESE
DESIGNED BY:	T. BIGELOW
CHECKED BY:	E. ATKINS
DITCH CLEANING SHEET	SHEET 12 OF 146

GUARDRAIL REPLACEMENT GUIDELINES

DAMAGE TYPE	REPAIR THRESHOLD	RELATIVE PRIORITY	MEASUREMENT
POST AND RAIL DEFLECTION	ONE OR MORE OF THE FOLLOWING THRESHOLDS:  <ul style="list-style-type: none"> <li>MORE THAN 9 IN. OF LATERAL DEFLECTION ANYWHERE OVER A 25 FT LENGTH OF RAILTOP OF RAIL</li> <li>HEIGHT 2 OR MORE IN. LOWER THAN ORIGINAL TOP OF RAIL HEIGHT</li> </ul>	HIGH	
	6 - 9 IN. LATERAL DEFLECTION ANYWHERE OVER A 25-FT LENGTH OF RAIL	MEDIUM	
	LESS THAN 6 IN. OF LATERAL DEFLECTION OVER A 25-FT LENGTH OF RAIL	LOW	(WEAK POST W-BEAM SHOWN ONLY FOR CLARITY. EACH MEASUREMENT TAKEN AT THE RAIL'S MIDDLE FOLD)
RAIL DEFLECTION ONLY	6 - 9 IN. OF LATERAL DEFLECTION BETWEEN ANY TWO ADJACENT POSTS.  NOTE: FOR DEFLECTION OVER 9 IN., USE POST/RAIL DEFLECTION GUIDELINES	MEDIUM	
	LESS THAN 6 IN. OF LATERAL DEFLECTION BETWEEN ANY TWO ADJACENT POSTS	LOW	
RAIL FLATTENING	ONE OR MORE OF THE FOLLOWING THRESHOLDS:  <ul style="list-style-type: none"> <li>RAIL CROSS SECTION HEIGHT MORE THAN 17 IN. (SUCH AS MAY OCCUR IF RAIL IS FLATTENED)</li> <li>RAIL CROSS SECTION HEIGHT LESS THAN 9 IN. (SUCH AS A DENT TO TOP EDGE)</li> </ul>	MEDIUM	
	RAIL CROSS SECTION HEIGHT BETWEEN 9 AND 17 IN.	LOW	
POSTS SEPARATED FROM RAIL	<ul style="list-style-type: none"> <li>2 OR MORE POSTS WITH BLOCKOUT ATTACHED WITH POST/RAIL SEPARATION LESS THAN 3 IN.</li> <li>1 OR MORE POSTS WITH POST/RAIL SEPARATION WHICH EXCEEDS 3 IN.</li> </ul>	MEDIUM	
	<ul style="list-style-type: none"> <li>1 POST, WITH BLOCKOUT ATTACHED, WITH POST/RAIL SEPARATION LESS THAN 3 IN.</li> </ul>	LOW	NOTE: 1. IF THE BLOCKOUT IS NOT FIRMLY ATTACHED TO THE POST, USE THE MISSING BLOCKOUT GUIDELINES. 2. DAMAGE SHOULD ALSO BE EVALUATED AGAINST POST/RAIL DEFLECTION GUIDELINES.

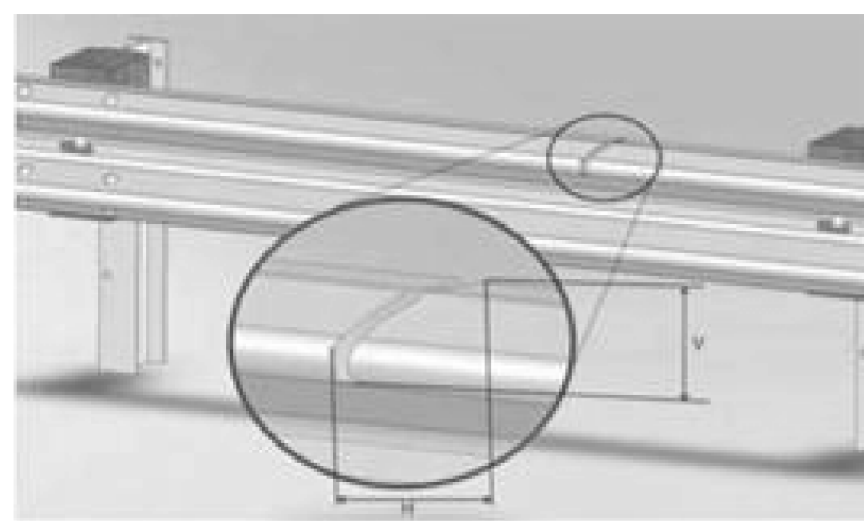
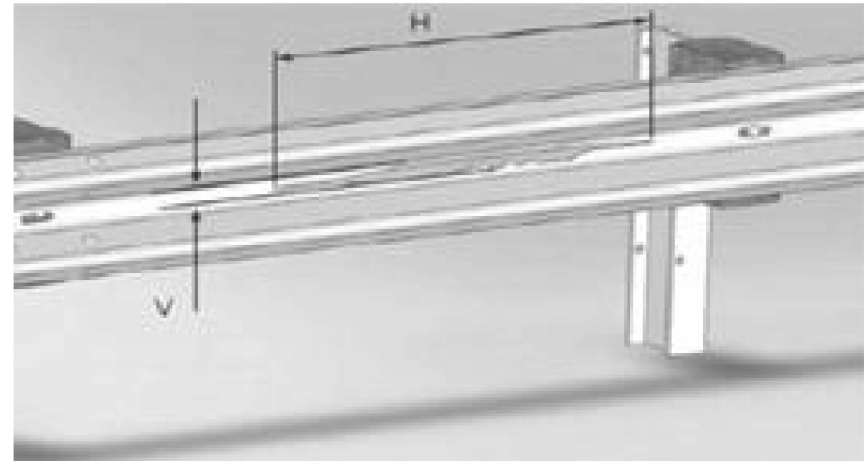
DAMAGE TYPE	REPAIR THRESHOLD	RELATIVE PRIORITY	MEASUREMENT
MISSING/BROKEN POSTS	1 OR MORE POSTS  <ul style="list-style-type: none"> <li>MISSING</li> <li>CRACKED ACROSS THE GRAIN</li> <li>BROKEN</li> <li>ROTTED</li> <li>WITH METAL TEARS</li> </ul>	HIGH	
MISSING BLOCKOUT	ANY BLOCKOUTS  <ul style="list-style-type: none"> <li>MISSING</li> <li>CRACKED FROM TOP OR BOTTOM OF BLOCKOUT THROUGH POST BOLT HOLE</li> <li>ROTTED</li> </ul>	MEDIUM	
TWISTED BLOCKOUTS	ANY MISALIGNED BLOCKOUTS, TOP EDGE OF BLOCK 6 IN. OR MORE FROM BOTTOM EDGE  NOTE: REPAIRS OF TWISTED BLOCKOUT ARE RELATIVELY QUICK AND INEXPENSIVE	LOW	
DAMAGE AT A RAIL SPLICE	MORE THAN 1 SPLICE BOLT: <ul style="list-style-type: none"> <li>MISSING</li> <li>DAMAGED</li> <li>VISIBLY MISSING ANY UNDERLYING RAIL</li> <li>TORN THROUGH RAIL</li> </ul>	HIGH	
	1 SPLICE BOLT: <ul style="list-style-type: none"> <li>MISSING</li> <li>DAMAGED</li> <li>VISIBLY MISSING ANY UNDERLYING RAIL</li> <li>TORN THROUGH RAIL</li> </ul>	MEDIUM	
NON-MANUFACTURED HOLE  (SUCH AS CRASH-INDUCED HOLES, LUG-NUT DAMAGE, OR HOLES RUSTED-THROUGH THE RAIL)	<ul style="list-style-type: none"> <li>MORE THAN 2 HOLES LESS THAN 1IN. HEIGHT IN A 12.5-FT LENGTH OF RAIL</li> <li>ANY HOLES GREATER THAN 1IN. IN HEIGHT</li> <li>ANY HOLE WHICH INTERSECTS EITHER THE TOP OR BOTTOM EDGE OF THE RAIL</li> </ul>	HIGH	
	1 - 2 HOLES LESS THAN 1IN. IN HEIGHT IN A 12.5-FT LENGTH OF RAIL	MEDIUM	


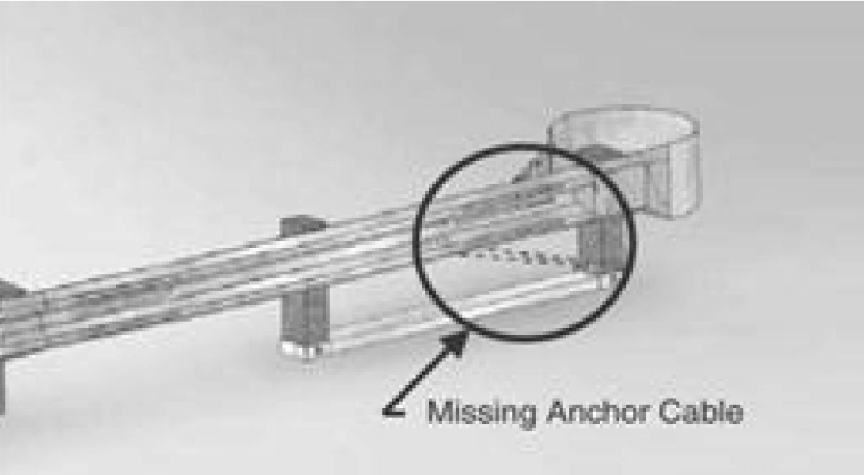
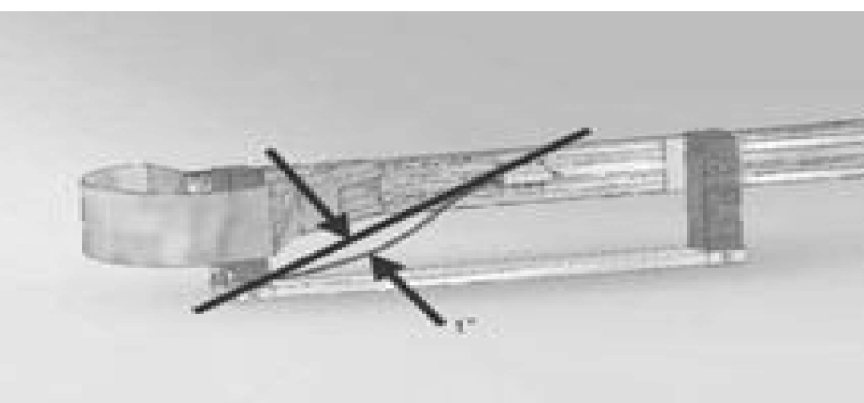
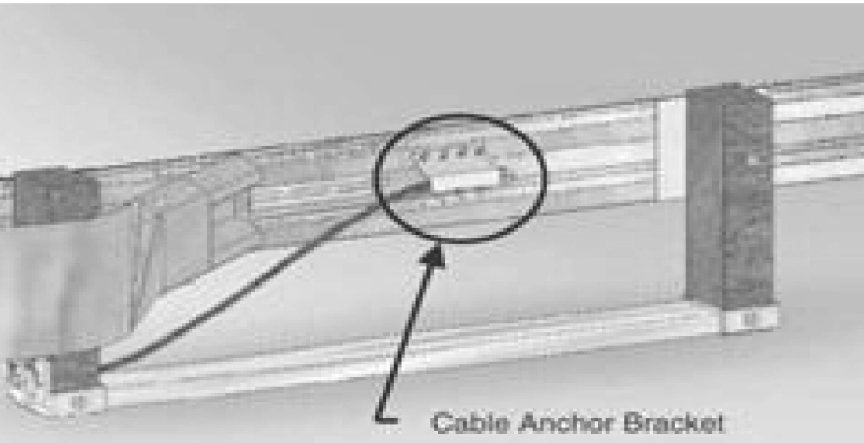
NOTES:

- THESE ARE GUIDELINES FOR THE EVALUATION OF EXISTING GUARDRAIL. THESE ARE GUIDELINES ONLY AND THE CONTRACTOR SHALL REPLACE GUARDRAIL AS DIRECTED BY THE ENGINEER.
- GUIDELINES ARE FROM THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 656, "CRITERIA FOR RESTORATION OF LONGITUDINAL BARRIERS", COPYRIGHT 2010.

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92grgulde.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
GUARDRAIL REPLACEMENT GUIDELINES SHEET 1	SHEET 13 OF 146
PLOT DATE:	3/7/2016
DRAWN BY:	K.SINGH
CHECKED BY:	E. ATKINS

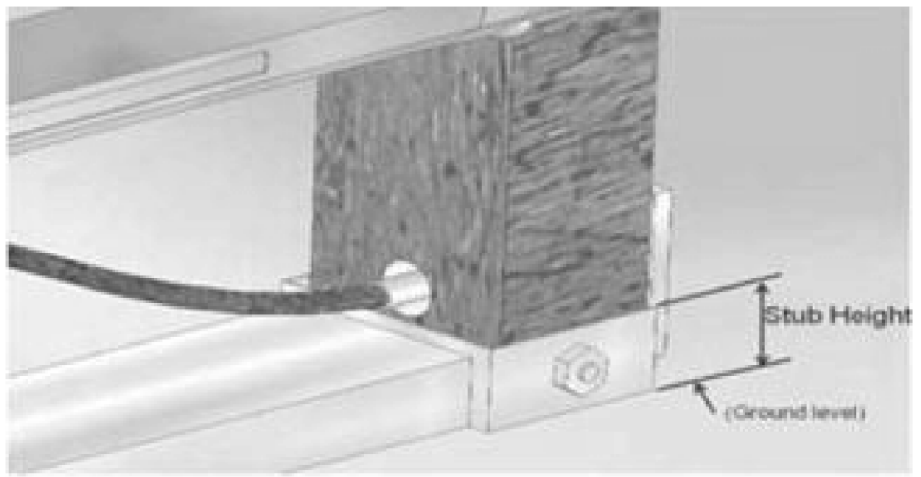
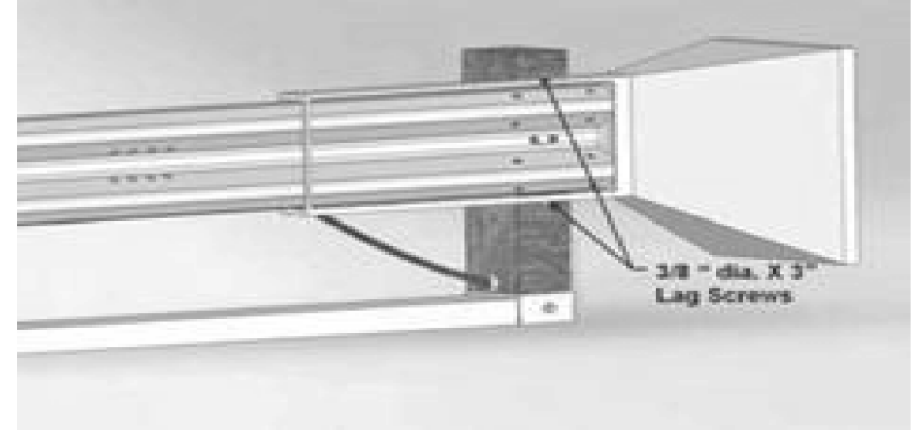
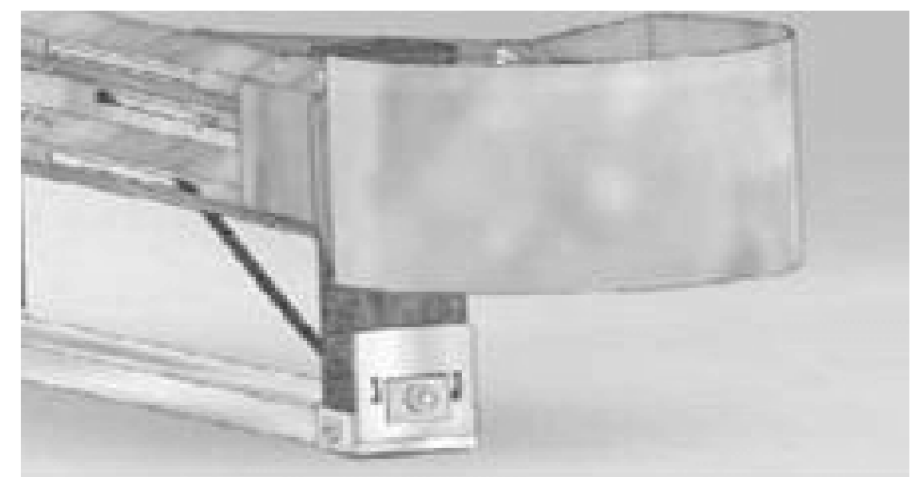
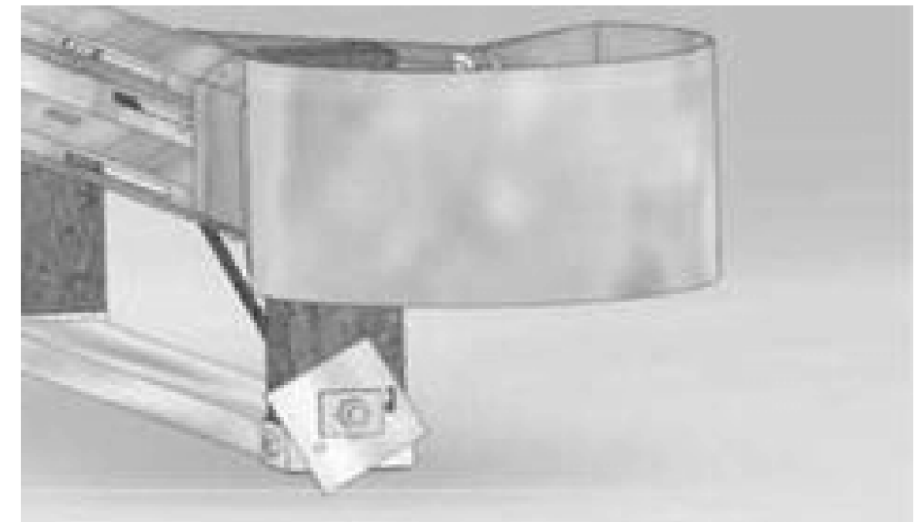

GUARDRAIL REPLACEMENT GUIDELINES

DAMAGE TYPE	REPAIR THRESHOLD	RELATIVE PRIORITY	MEASUREMENT
VERTICAL TEAR	ANY LENGTH VERTICAL (TRANSVERSE) TEAR	HIGH	
HORIZONTAL TEAR	HORIZONTAL (LONGITUDINAL) GREATER THAN 12 IN. LONG AND GREATER THAN 0.5 IN. WIDE  NOTE: FOR HORIZONTAL TEARS LESS THAN 12 IN. IN LENGTH OR LESS THAN 0.5 IN. IN HEIGHT, USE THE NON-MANUFACTURED HOLES GUIDELINES	MEDIUM	

DAMAGE	REPAIR THRESHOLD	RELATIVE PRIORITY	MEASUREMENT
DAMAGED END POST	NOT FUNCTIONAL (SHEARED, ROTTED, CRACKED ACROSS THE GRAIN)	HIGH	
ANCHOR CABLE	MISSING	HIGH	
ANCHOR CABLE	LOOSE - MORE THAN 1IN. OF MOVEMENT WHEN PUSHED DOWN BY HAND	MEDIUM	
CABLE ANCHOR BRACKET	LOOSE OR NOT FIRMLY SEATED IN RAIL	MEDIUM	

NOTES:

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DAMAGE	REPAIR THRESHOLD	RELATIVE PRIORITY	MEASUREMENT
STUB HEIGHT	HEIGHT WHICH EXCEEDS 4 IN.	MEDIUM	
LAG SCREWS (ENERGY ABSORBING TERMINALS ONLY)	MISSING OR FAILED LAG SCREWS	HIGH	
BEARING PLATE	LOOSE OR MISALIGNED	MEDIUM	
			
	MISSING BEARING PLATE	HIGH	

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92grgulde.dgn
PLOT DATE:	3/7/2016
PROJECT LEADER:	E. ATKINS
DRAWN BY:	K. SINGH
DESIGNED BY:	T. BIGELOW
CHECKED BY:	E. ATKINS
GUARDRAIL REPLACEMENT GUIDELINES SHEET 2 SHEET 14 OF 146	

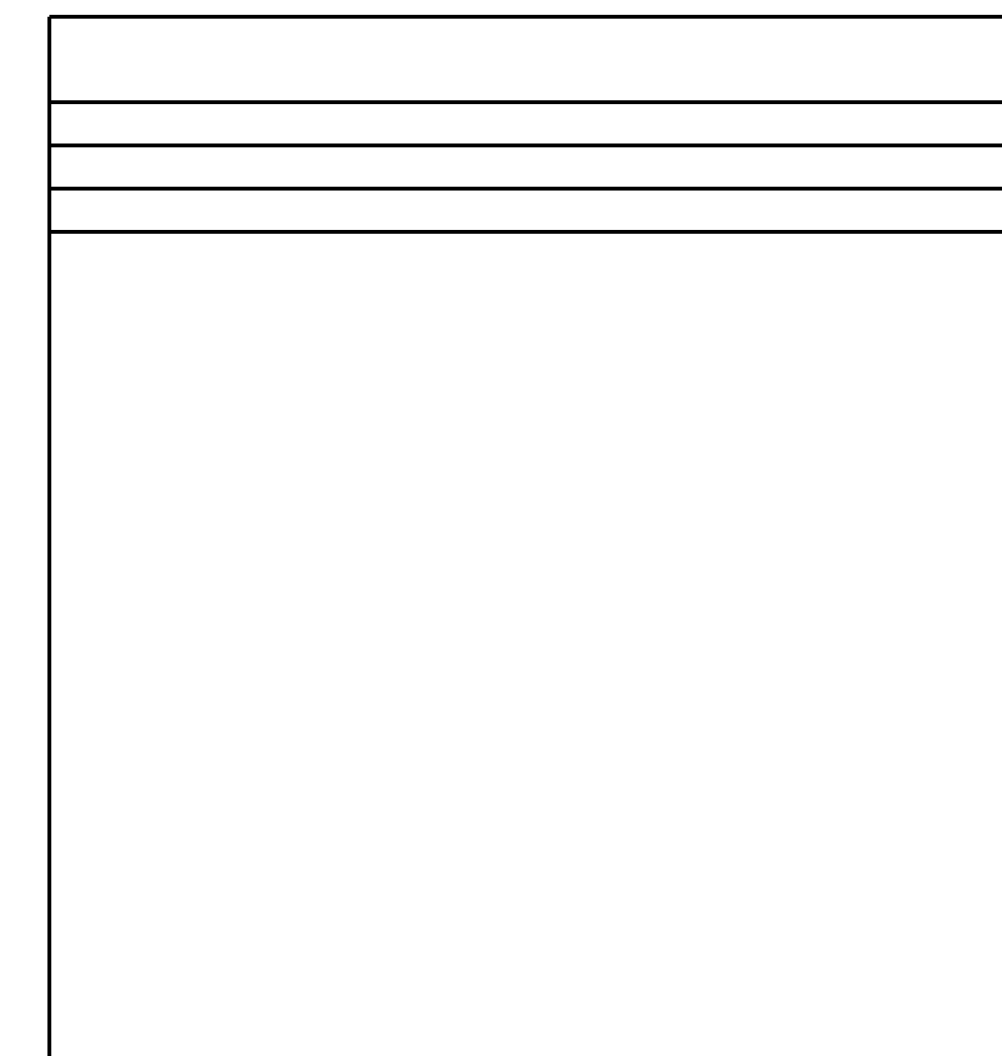
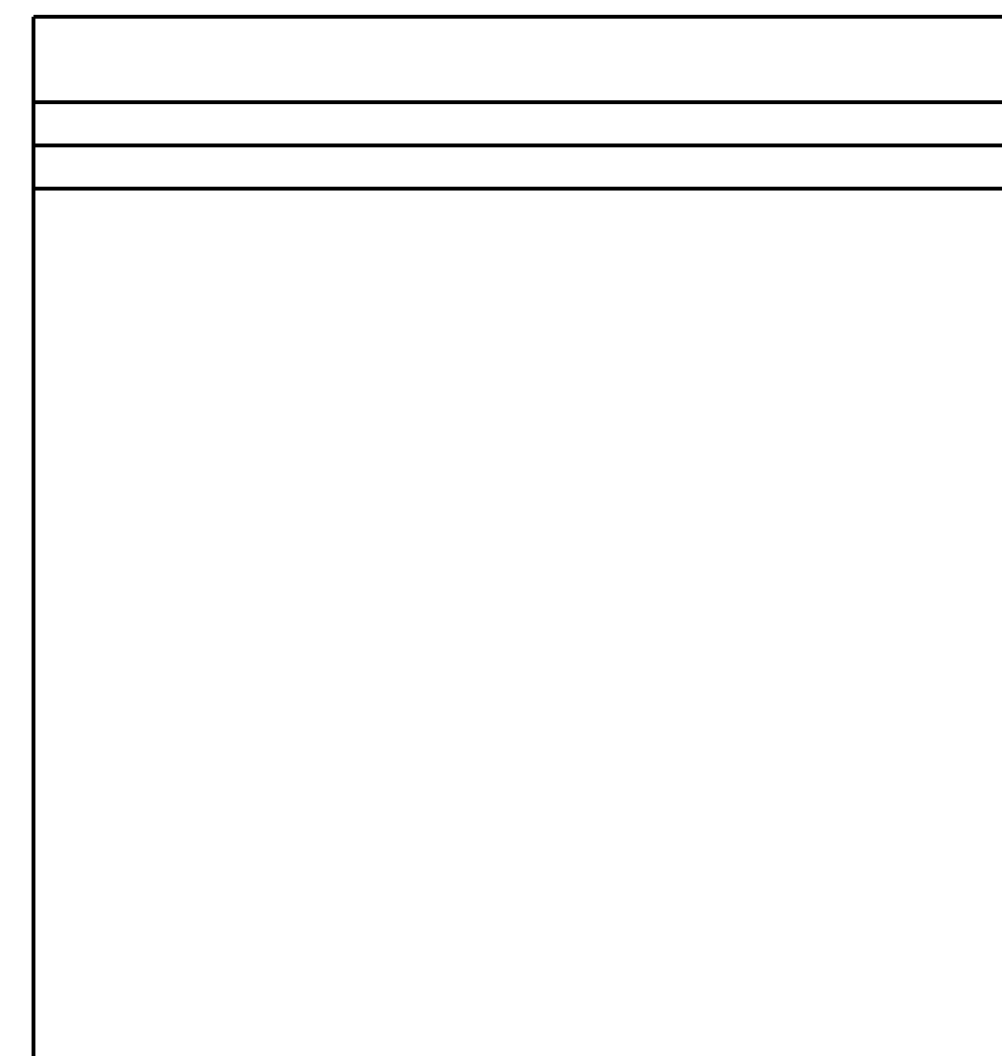
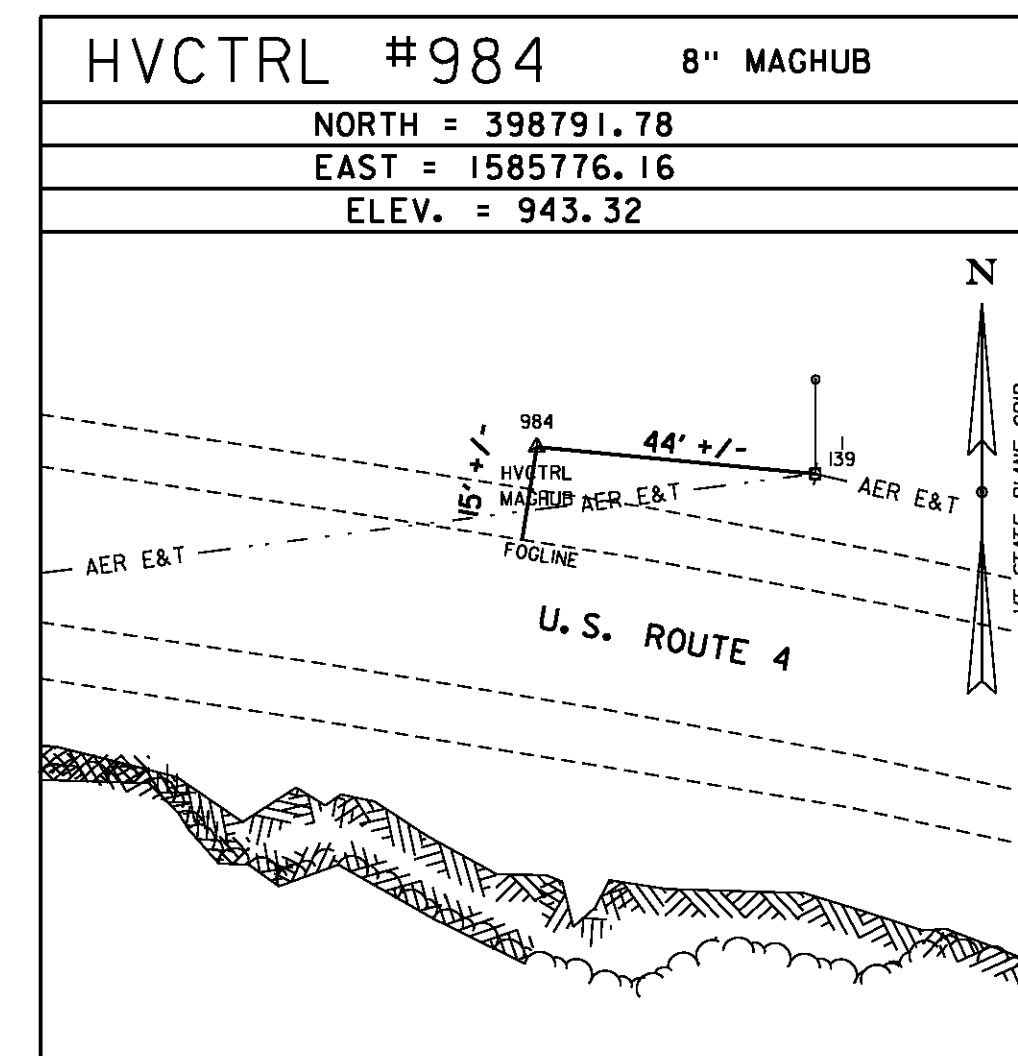
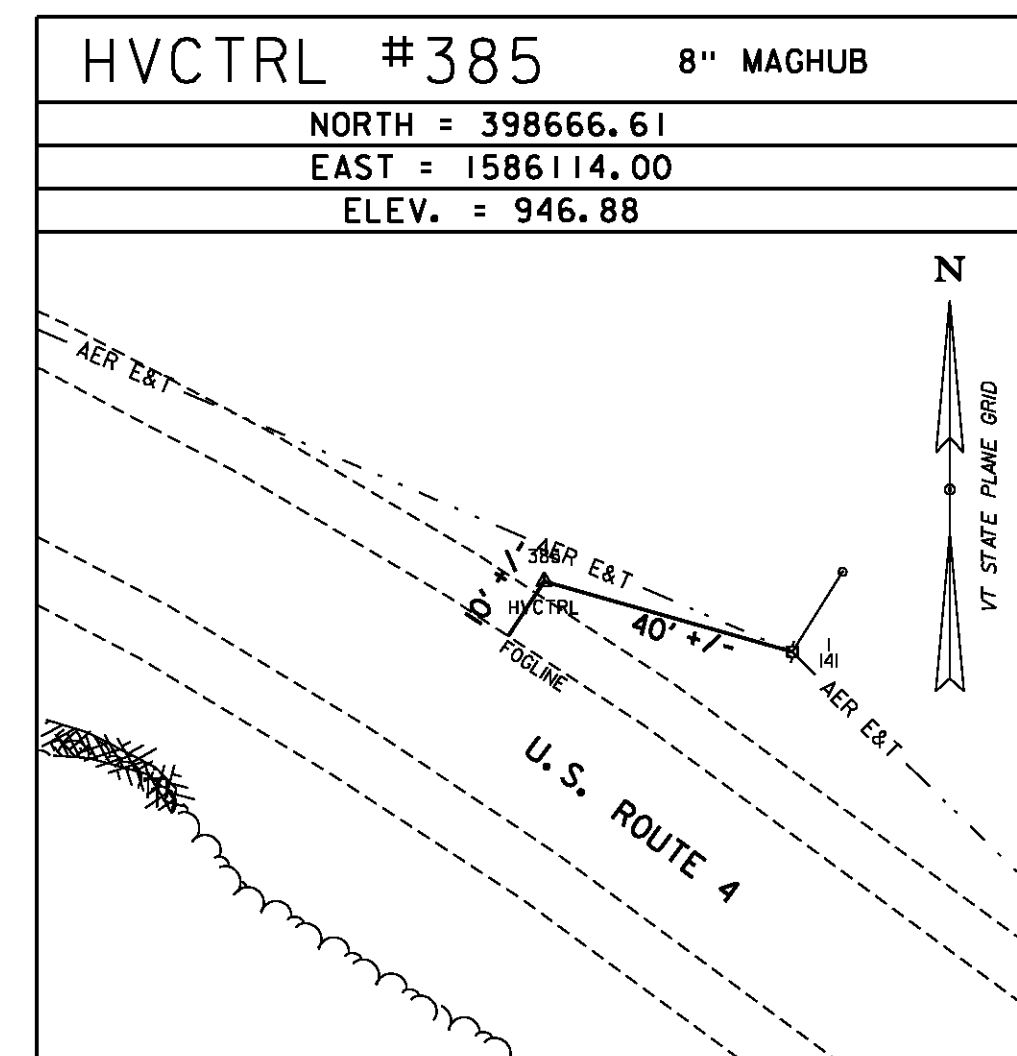
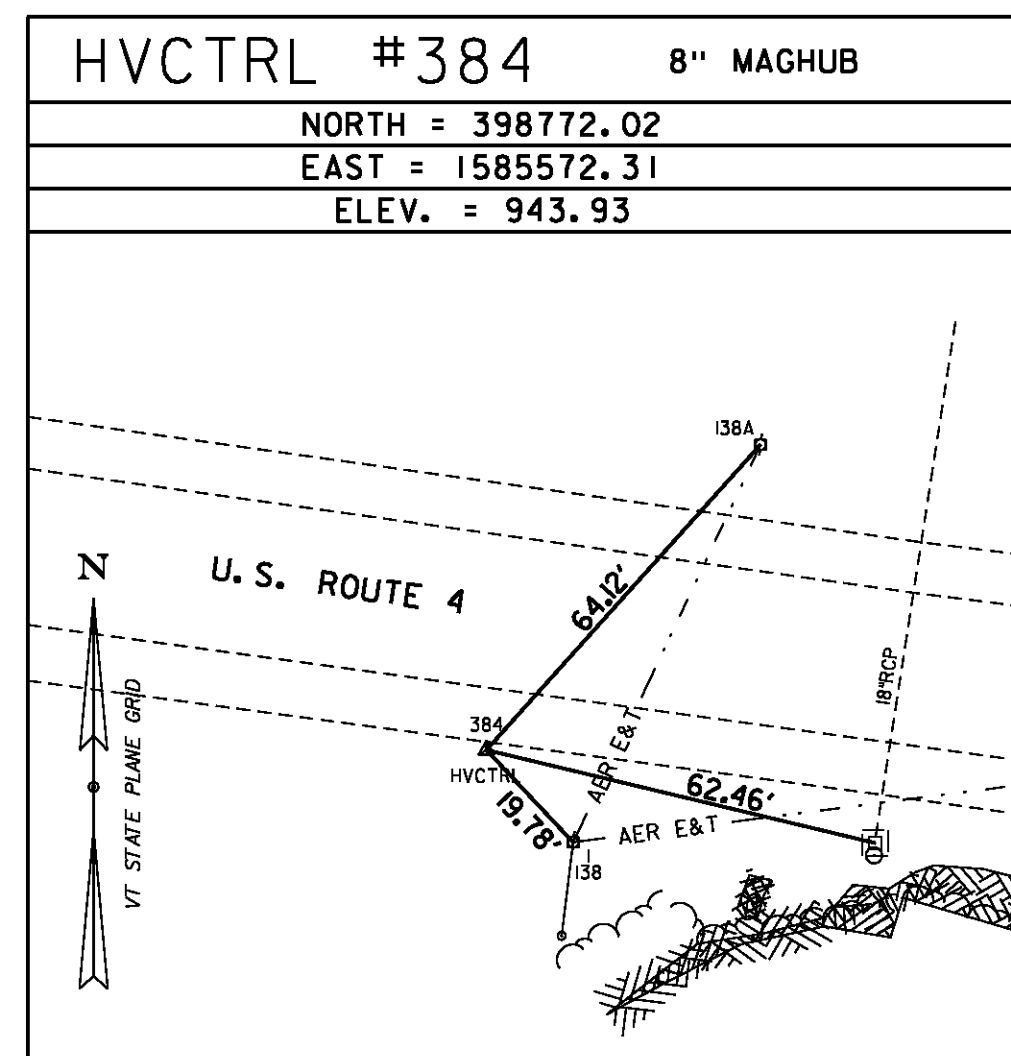
GPS/NGS CONTROL POINTS

B94034

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 E = 1586637.14  
 ELEV. = 945.59

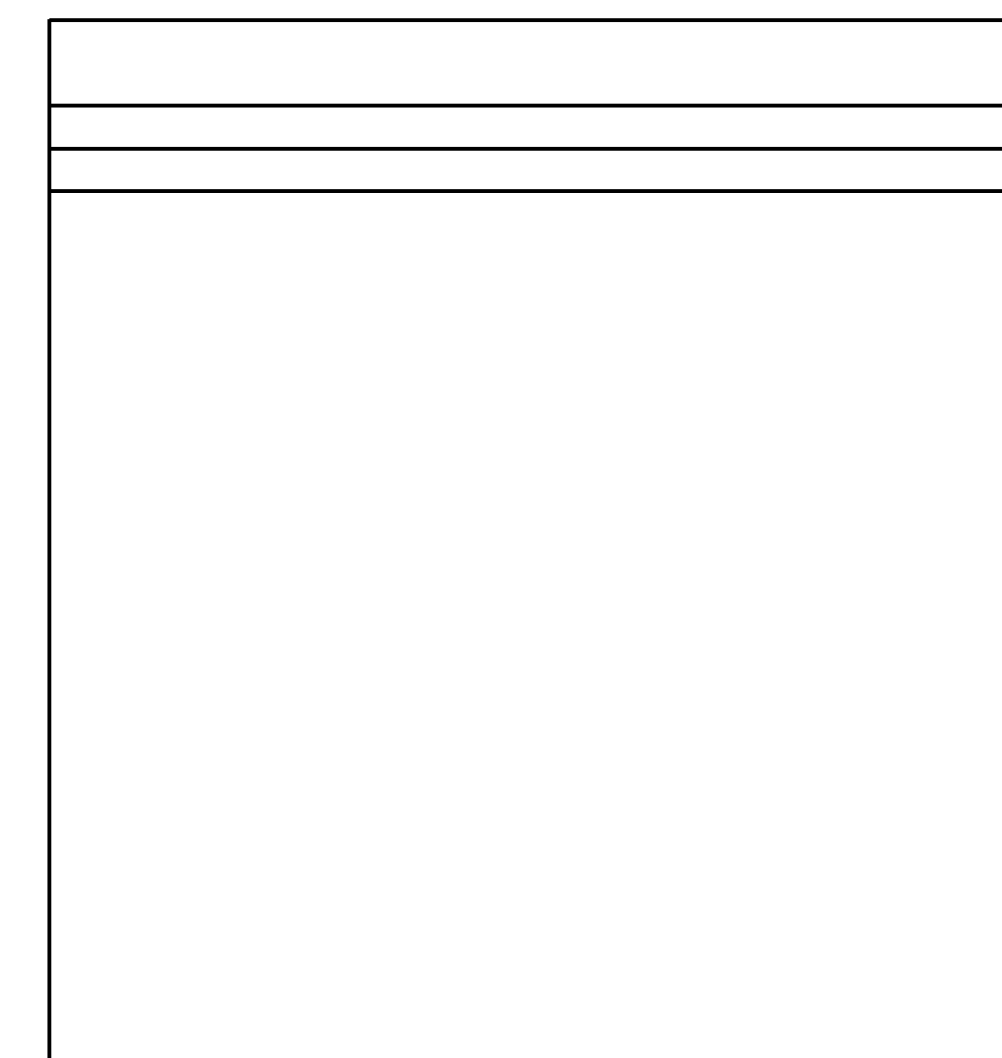
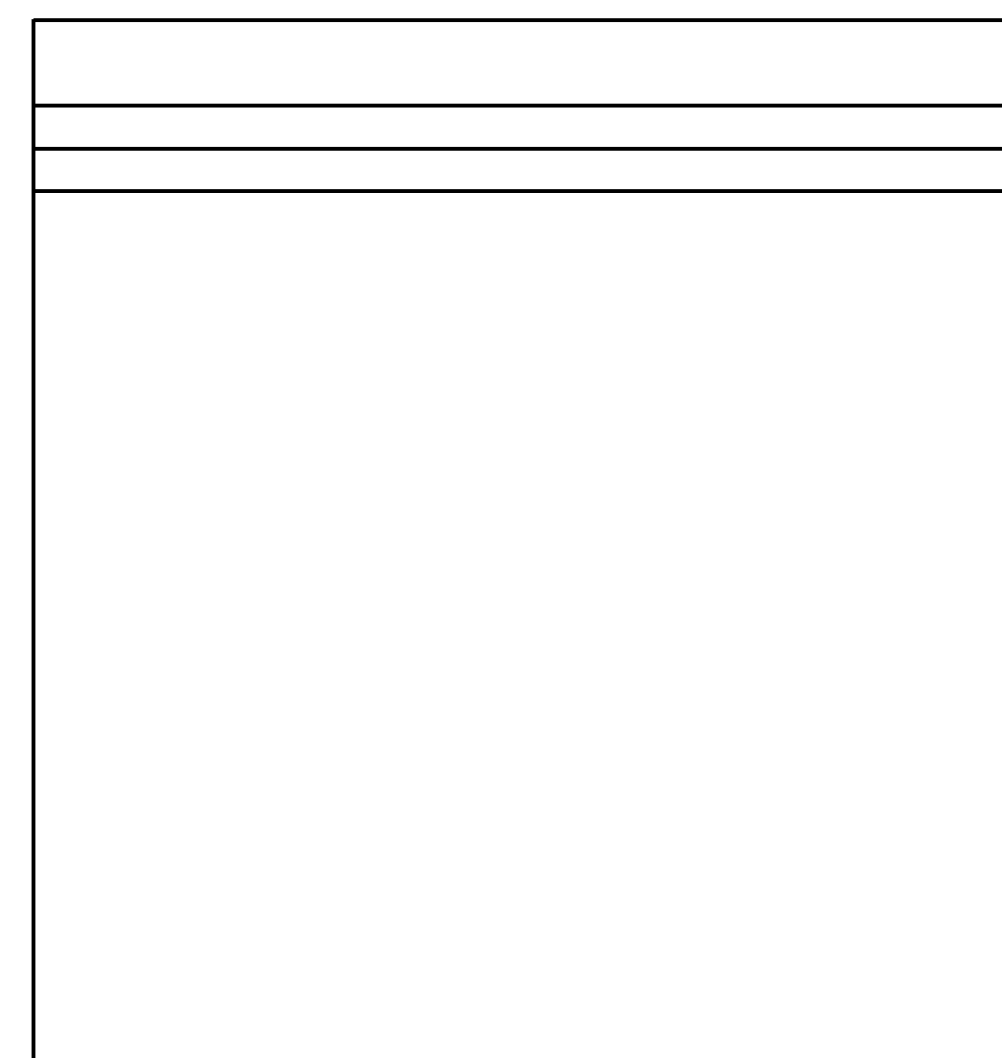
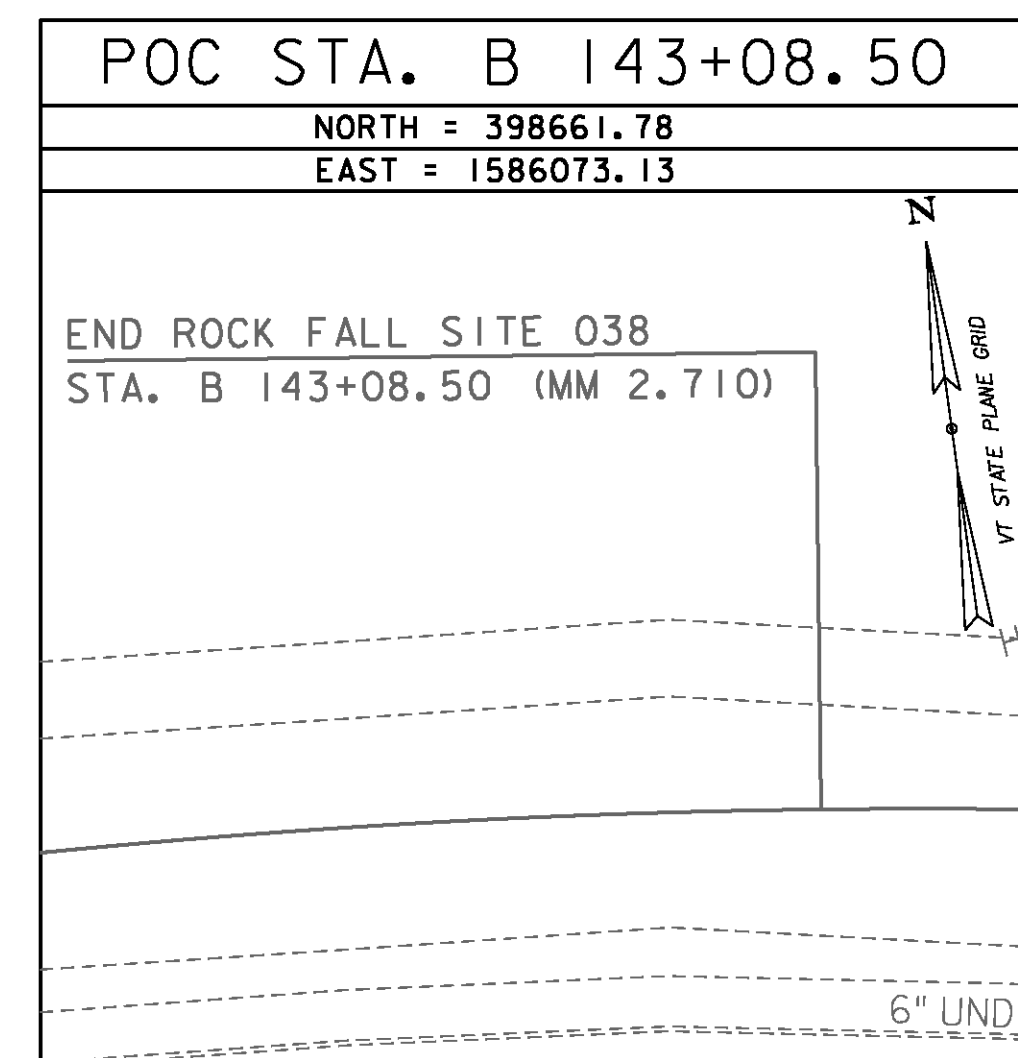
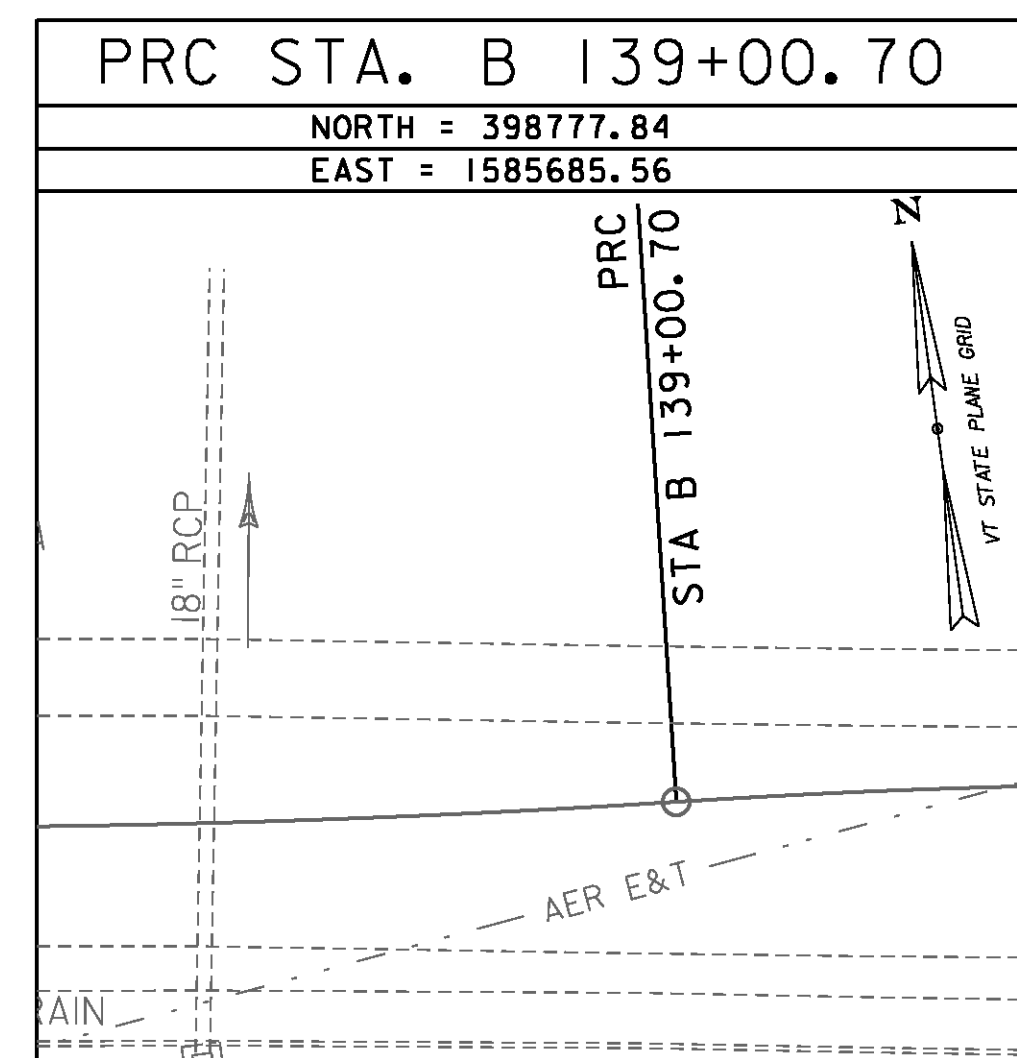
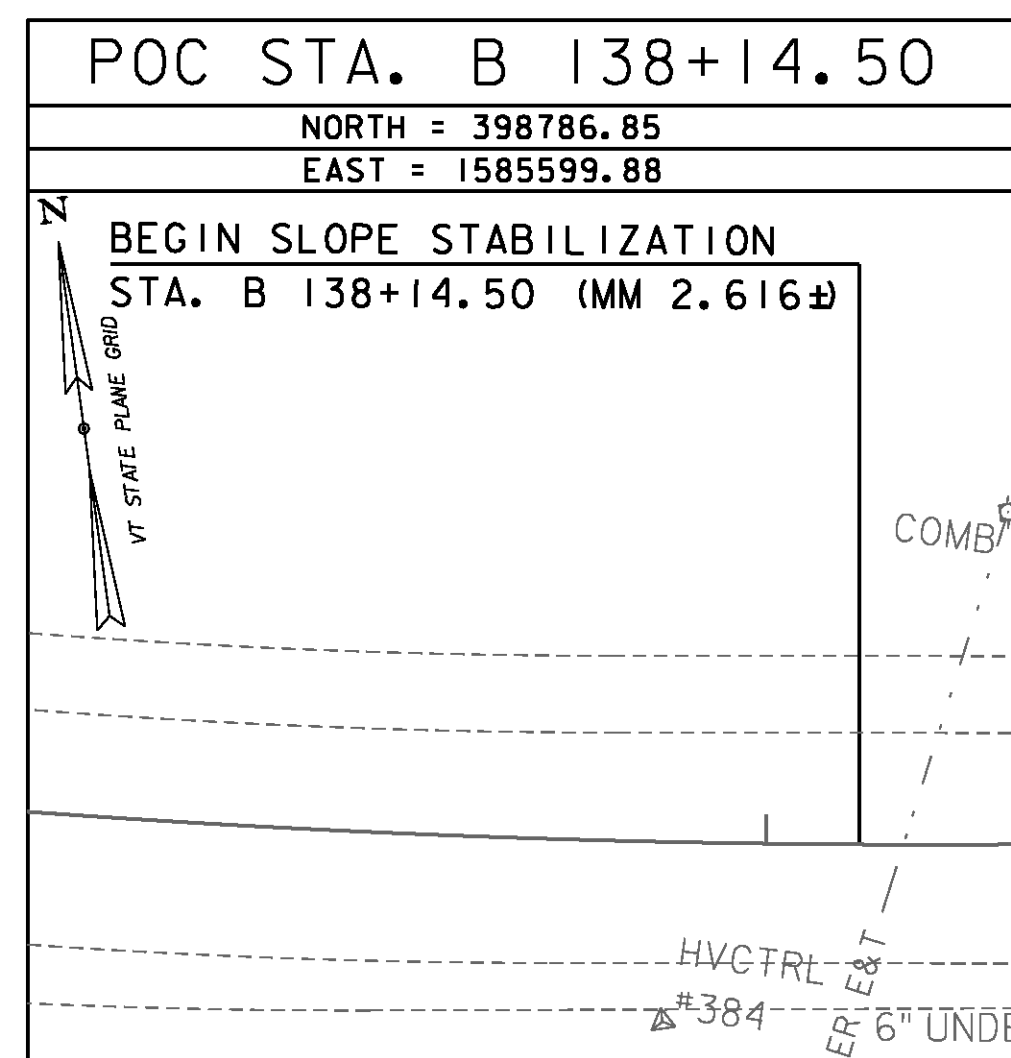
DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1994 (CHR). GENERAL LOCATION, BRIDGEWATER, ABOUT 13.5 MI (21.7 KM) EAST OF RUTLAND, ABOUT 9.5 MI (15.3 KM) WEST OF WOODSTOCK. TO REACH FROM THE INTERSECTION OF U.S. ROUTE 4 AND VT ROUTE 100 SOUTH IN WEST BRIDGEWATER GO EAST ALONG U.S. ROUTE 4 FOR 2.7 MI (4.3 KM) TO THE WEST END OF THE U.S. ROUTE 4 BRIDGE OVER THE OTTAUQUECHEE RIVER AND THE MARK ON THE RIGHT IN THE TOP OF THE ABUTMENT AT THE SOUTHWEST CORNER OF THE BRIDGE. THE MARK IS 3.0 M (9.8 FT) EAST OF THE WEST END OF THE ABUTMENT, 0.2 M (0.7 FT) NORTH OF THE SOUTH FACE OF THE ABUTMENT, AND 4.3 M (14.1 FT) EAST OF A FIBERGLASS WITNESS POST.

TRAVERSE TIES



* SURVEY COMPLETED: JULY 7, 2014 BY VSE, T. CATTANEO-PC, T. COMSTOCK

ALIGNMENT TIES



DATUM  
 VERTICAL NAVD 88  
 HORIZONTAL NAD 83(2011)  
 ADJUSTMENT LSQ

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92+1_RFO38.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: T. BIGELOW
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
TIE SHEET	SHEET 15 OF 146



**STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC  
**TESTED BY:** J.Touchette, J. Staab

**SITE:** US-4  
**DATE:** 4/5 - 5/8/2013  
**REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
							SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT
B-166	4/9/13	7.50	9.0 R	0.71	A	Asphalt Pavement								
				0.71-5.0	A	Gr Si Sa, Br, Moist	10.0	A-2-4	Si Sa	17.1	53.7	29.2		
				NLTD										
B-167	4/9/13	7.50	8.0 L	0.72	A	Asphalt Pavement								
				0.72-5.0	A	Gr Si Sa, Br, Moist	9.4	A-2-4	Gr Si Sa	20.8	49.8	29.4		
				NLTD										
B-168	4/9/13	7.80	13.0 L	0.66	A	Asphalt Pavement								
				0.66-2.0	A	Si Gr Sa, Gry, Moist	1.4	A-2-4	Si Sa Gr	41.2	30.7	28.1		
				2.0-5.0	A	Si Sa, Br, Moist	7.3	A-2-4	Si Sa	0.9	67.6	31.5		
B-169	4/9/13	8.10	12.8 R	0.64	A	Asphalt Pavement								
				0.64-5.0	A	Gr Si Sa, Br, Moist	8.6	A-4	Si Sa	19.4	43.3	37.3		
				NLTD										
B-170	4/9/13	8.20	5.0 R	0.71	A	Asphalt Pavement								
				0.71-3.0	A	Gr Si Sa, Gry, Moist	1.5	A-2-4	Gr Si Sa	31.8	35.7	32.4		
				3.0-5.0	A	Gr Si Sa, Br, Moist	7.7	Visual Description: Gr Si Sa Similar to 0.71-3.0 but darker color						
B-171	4/9/13	8.30 +140'	5.1 L	0.58	A	Asphalt Pavement								
				0.58-5.0	A	Gr Si Sa, Br, Moist	9.2	A-2-4	Si Sa	18.6	50.0	31.4		
				NLTD										
B-172	4/9/13	8.40	13.5 L	0.57	A	Asphalt Pavement								
				0.57-3.0	A	Si Gr Sa, Br, Moist	13.7	A-2-4	Si Sa	14.7	53.5	31.8		
				3.0-5.0	A	Gr Si Sa, Br, Mtw	9.1	A-2-4	Si Sa	18.0	47.4	34.7		
B-173	4/9/13	0.10	14.1 R	0.67	A	Asphalt Pavement								
				0.67-3.0	A	Gr Si Sa, Gry, Moist	6.3	A-2-4	Gr Si Sa	29.6	38.5	31.9		
				3.0-5.0	A	Si Sa Gr, Br, Moist	10.9	A-2-4	Gr Si Sa	22.1	44.1	33.8		
B-174	4/9/13	0.40	5.2 R	0.78	A	Asphalt Pavement								
				0.78-3.0	A	Si Gr Sa, Gry, Moist	2.0	A-2-4	Si Gr Sa	30.4	40.6	29.0		
				3.0-5.0	A	Si Gr Sa, Br, Moist	5.5	A-2-4	Gr Si Sa	25.0	44.3	30.7		



**STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC  
**TESTED BY:** J.Touchette, J. Staab

**SITE:** US-4  
**DATE:** 4/5 - 5/8/2013  
**REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
							SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT
B-175	4/9/13	0.60	6.0 L	0.64	A	Asphalt Pavement								
				0.64-5.0	A	Gr Si Sa, Br, Moist	6.5	A-4	Si Sa	19.6	44.6	35.8		
				NLTD										
B-176	4/9/13	0.70	13.5 L	0.61	A	Asphalt Pavement								
				0.61-3.0	A	Si Gr Sa, Gry, Moist	5.6	A-4	Gr Sa Si	21.5	36.8	41.7		
				3.0-5.0	A	Gr Si Sa, Br, Moist	5.4	Visual Description: Gr Si Sa, Similar to 0.61-3.0 but darker color						
B-177	4/9/13	0.80	14.3 R	0.54	A	Asphalt Pavement								
				0.54-1.0	A	Si Gr Sa, Gry, Moist	2.8	A-1-b	Si Sa Gr	53.4	24.8	21.9		
				1.0-3.0	A	Gr Si Sa, Br, Moist	5.5	A-1-b	Si Gr Sa	33.5	44.7	21.8		
B-178	4/9/13	1.05	4.0 R	0.65	A	Asphalt Pavement								
				0.65-5.0	A	Gr Si Sa, Br, Moist	9.3	A-2-4	Si Sa	18.4	46.2	35.4		
				NLTD										
B-180	4/9/13	1.30	15.1 L	0.49	A	Asphalt Pavement								
				0.49-5.0	A	Si Gr Sa, Br, Moist	5.6	A-2-4	Gr Si Sa	23.3	43.9	32.7		
				NLTD										
B-181	4/9/13	1.30	17.0 R	0.52	A	Asphalt Pavement								
				0.52-1.50	A	Si Gr Sa, Br, Moist	5.4	A-2-4	Gr Si Sa	22.5	44.0	33.4		
				1.50-5.0	A	Gr Si Sa, Gry, Moist	3.2	A-2-4	Gr Si Sa	29.4	41.0	29.6		
B-182	4/9/13	1.60	8.8 R	0.44	A	Asphalt Pavement								
				0.44-5.0	A	Gr Si Sa, Br, Moist	6.6	A-4	Si Sa	15.2	45.0	39.8		
				NLTD										
B-183	4/9/13	1.90	5.0 L	0.76	A	Asphalt Pavement								
				0.76-5.0	A	Gr Si Sa, Br, Moist	2.9	A-4	Gr Si Sa	21.3	40.2	38.5		
				NLTD										
B-184	4/9/13	2.00	16.0 L	0.48	A	Asphalt Pavement								
				0.48-5.0	A	Si Sa Gr, Br, Moist	2.6	A-1-b	Si Sa Gr	50.6	27.9	21.5		
				NLTD										

**PROJECT NAME:** KILLINGTON-WOODSTOCK  
**PROJECT NUMBER:** ER NH 020-2(38)

FILE NAME: z13bi92bor.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
BORING SHEET 1

PLOT DATE: 3/7/2016  
DRAWN BY: N. GOTTIER  
CHECKED BY: E. ATKINS  
SHEET 16 OF 146



**STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC **SITE:** US-4 **DATE:** 4/5 - 5/8/2013  
**TESTED BY:** J. Touchette, J. Staab **REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
							SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT
B-185	4/9/13	2.10	14.2 R	0.80	A	Asphalt Pavement								
				0.80-3.5	A	Gr Si Sa, Br, Moist	3.1	A-1-b	Si Sa Gr	48.3	27.6	24.1		
				3.5-5.0	A	Gr Si Sa, Br, Moist	5.3	Visual Description: Si Sa Gr, Similar to 0.8-3.5 sample						
				NLTD										
B-186	4/9/13	2.40	4.6 R	0.75	A	Asphalt Pavement								
				0.75-5.0	A	Si Gr Sa, Br, Moist	8.7	A-4	Si Sa	17.6	45.4	37.1		
				NLTD										
B-187	4/9/13	2.40	8.0 L	0.68	A	Asphalt Pavement								
				0.68-5.0	A	Gr Si Sa, Br, Moist	7.2	A-4	Sa Si	16.1	40.1	16.1		
				NLTD										
B-188	4/9/13	2.70	13.0 L	0.55	A	Asphalt Pavement								
				0.55-5.0	A	Si Gr Sa, Br, Moist	7.0	A-2-4	Gr Si Sa	28.7	36.8	34.4		
				NLTD										
B-189	4/9/13	3.00	14.7 R	0.62	A	Asphalt Pavement								
				0.62-5.0	A	Gr Si Sa, Br, Moist	7.2	A-4	Si Sa	17.9	45.0	37.1		
				NLTD										
B-190	4/9/13	3.00	5.9 R	0.99	A	Asphalt Pavement								
				0.99-5.0	A	Gr Si Sa, Br, Moist	8.0	A-2-4	Si Sa	16.2	51.2	32.6		
				NLTD										
B-191	4/9/13	3.20	4.6 L	0.74	A	Asphalt Pavement								
				0.74-5.0	A	Gr Si Sa, Br, Moist	8.3	A-4	Sa Si	11.3	39.7	48.9		
				NLTD										
B-192	4/9/13	3.20	16.2 L	0.42	A	Asphalt Pavement								
				0.42-5.0	A	Si Gr Sa, Br, Moist	8.7	A-4	Sa Si	14.0	42.0	44.1		
				NLTD										
B-193	4/8/13	3.50	12.8 R	0.91	A	Asphalt Pavement								
				0.91-5.0	A	Si Gr Sa, Dk Br, Mtw	7.1	A-1-b	Si Sa Gr	38.9	38.0	23.0		
				NLTD										
B-194	4/8/13	3.50	4.0 R	1.15	A	Asphalt Pavement								
				1.15-5.0	A	Si Gr Sa, Br, Moist	7.4	A-4	Si Sa	17.8	42.8	39.4		
				NLTD										
B-195	4/8/13	3.80	6.3 L	0.68	A	Asphalt Pavement								
				0.68-5.0	A	Gr Si Sa, Lt Br, Moist	1.6	A-2-4	Gr Si Sa	27.1	39.6	33.3		
				NLTD										



**STATE OF VERMONT  
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MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC **SITE:** US-4 **DATE:** 4/5 - 5/8/2013  
**TESTED BY:** J. Touchette, J. Staab **REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
							SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT
B-196	4/8/13	3.90	15.2 L	0.43	A	Asphalt Pavement								
				0.43-5.0	A	Si Gr Sa, Br, Moist	7.4	A-2-4	Si Gr Sa	29.2	43.2	27.6		
				NLTD										
Cont.														
B-197	4/8/13	4.00	15.5 R	0.92	A	Asphalt Pavement								
				0.92-5.0	A	Wood Sa Gr, Br, Moist	13.3	A-1-b	Si Sa Gr	43.7	32.0	24.3		
				NLTD										
							** Lab note: Large pieces of wood were within sample							
B-198	4/8/13	4.10	8.2 R	0.75	A	Asphalt Pavement								
				0.75-5.0	A	Gr Si Sa, Br, Moist	7.0	A-4	Si Sa	19.7	41.4	39.0		
				NLTD										
B-199	4/8/13	4.30	7.8 L	0.95	A	Asphalt Pavement								
				0.95-3.5	A	Gr Si Sa, Br, Moist	12.0	A-4	Sa Si	6.5	33.6	59.9		
				3.5-5.0	A	Sa Si, Gry, Mtw	13.5	A-4	Sa Si	4.0	22.8	73.2		
				NLTD										
B-200	4/8/13	4.50	18.6 L	0.34	A	Asphalt Pavement								
				0.34-5.0	A	Broken Rock Gr Si Sa, Br, Moist	5.2	A-2-4	Si Gr Sa	32.1	40.3	27.7		
				NLTD										
B-201	4/8/13	4.50	13.0 R	0.58	A	Asphalt Pavement								
				0.58-5.0	A	Si Gr Sa, Bn, Mtw	12.3	A-2-4	Gr Si Sa	28.8	40.2	31.0		
				NLTD										
B-202	4/8/13	4.90	7.2 R	0.97	A	Asphalt Pavement								
				0.97-5.0	A	Gr Si Sa, Br, Moist	6.5	A-4	Si Sa	18.8	43.3	37.9		
				NLTD										
B-203	4/8/13	4.90	5.7 L	0.76	A	Asphalt Pavement								
				0.76-5.0	A	Gr Si Sa, Br, Moist	10.5	A-4	Si Sa	18.6	43.5	37.8		
				NLTD										
B-204	4/8/13	5.20	14.5L	0.66	A	Asphalt Pavement								
				0.66-5.0	A	Gr Sa, Br, Moist	7.3	A-2-4	Si Sa	14.5	50.8	34.7		
				NLTD										
B-205	4/8/13	5.50	16.3 R	0.35	A	Asphalt Pavement								
				0.35-5.0	A	Gr Sa, Br, Moist	7.4	A-1-b	Si Gr Sa	36.7	37.9	25.4		
				NLTD										

**PROJECT NAME:** KILLINGTON-WOODSTOCK  
**PROJECT NUMBER:** ER NH 020-2(38)  
**FILE NAME:** z13bi92bor.dgn **PLOT DATE:** 3/7/2016  
**PROJECT LEADER:** E. ATKINS **DRAWN BY:** N. GOTTIER  
**DESIGNED BY:** T. BIGELOW **CHECKED BY:** E. ATKINS  
**BORING SHEET 2** **SHEET 17 OF 146**



**STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC  
**TESTED BY:** J.Touchette, J. Staab

**SITE:** US-4  
**DATE:** 4/5 - 5/8/2013  
**REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
							SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT
B-206	4/8/13	5.80	6.70 R	0.64	A	Asphalt Pavement								
				0.64-5.0	A	Gr Sa, Br, Moist	11.2	A-2-4	Si Sa	18.1	54.0	27.9		
				NLTD										
B-207	4/8/13	6.10	4.5 L	0.70	A	Asphalt Pavement								
				0.70-5.0	A	Gr Si Sa, Br, Moist	5.2	A-2-4	Gr Si Sa	20.1	47.1	32.8		
				NLTD										
B-208	4/8/13	6.40	14.0 L	0.57	A	Asphalt Pavement								
				0.57-5.0	A	Gr Si Sa, Br, Mtw	11.6	A-2-4	Si Gr Sa	28.6	44.5	27.0		
				NLTD										
B-209	4/8/13	6.70	11.3 R	0.72	A	Asphalt Pavement								
				0.72-5.0	A	Sa Gr, Dk Br, Mtw	6.4	A-1-b	Sa Gr	43.3	41.4	15.3		
				NLTD										
B-210	4/8/13	7.00	6.2 R	0.84	A	Asphalt Pavement								
				0.84-3.0		Gr Sa, Br, Moist	6.4	A-2-4	Si Gr Sa	30.8	41.6	27.6		
				3.0-5.0	A	Si Sa, Br, Moist	6.8	A-4	Si Sa	14.5	47.0	38.4		
B-211	4/8/13	7.3 -28'	5.3 L	0.65	A	Asphalt Pavement								
				0.65-2.0	A	Gr Sa, Br, Moist	5.2	A-2-4	Si Gr Sa	26.9	48.9	24.3		
				2.0-5.0	A	Si Gr Sa, Lt Br, Moist	4.1	A-2-4	Gr Si Sa	21.9	50.6	27.5		
B-212	4/8/13	0.10	6.60 L	0.82	A	Asphalt Pavement								
				0.82-5.0	A	Si Gr Sa, Gy, Moist	8.7	A-2-4	Gr Si Sa	23.9	47.7	28.4		
				NLTD										
B-213	4/8/13	0.40	9.1 R	1.64	A	Asphalt Pavement								
				1.64-2.50	A	Gr Sa, Dk Br, Moist	6.1	A-2-4	Gr Si Sa	22.7	50.0	27.3		
				2.50-5.0	A	Si Sa, Dk Br, Moist	12.2	A-2-4	Si Sa	11.7	54.0	34.4		
B-214	4/8/13	0.60	5.8 R	.88	A	Asphalt Pavement								
				0.88-2.0	A	Gr Sa, Dk Br, Moist	5.4	A-2-4	Si Sa	16.8	54.9	28.3		
				2.0-5.0	A	Si Sa, Br, Moist	8.0	A-4	Si Sa	1.1	58.1	40.7		
B-215	4/8/13	0.80	4.3 L	1.12	A	Asphalt Pavement								
				1.12-5.0	A	Gr Sa, Dk Br, Moist	6.0	A-1-b	Si Gr Sa	26.4	48.7	24.9		
				NLTD										



**STATE OF VERMONT  
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MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC  
**TESTED BY:** J.Touchette, J. Staab

**SITE:** US-4  
**DATE:** 4/5 - 5/8/2013  
**REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
							SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT
B-216	4/8/13	1.00	10.4 L	0.90	A	Asphalt Pavement								
				0.90-5.0	A	Gr Sa, Dk Br, Moist	8.3	A-2-4	Si Sa	17.2	54.8	28.0		
				NLTD										
B-217	4/8/13	1.20	11.7 R	0.88	A	Asphalt Pavement								
				0.88-5.0	A	Gr Sa, Dk Br, Moist	6.5	A-1-b	Si Gr Sa	32.0	45.5	22.5		
				NLTD										
B-218	4/8/13	1.40	4.5 R	0.91	A	Asphalt Pavement								
				0.91-4.0	A	Gr Sa, Dk Br, Moist	6.7	A-2-4	Gr Si Sa	21.6	47.3	31.1		
				4.0-5.0	A	Si Sa, Dk Br, Mtw	15.8	A-4	Si Sa	6.1	54.5	39.4		
B-219	4/8/13	1.60	4.4 L	0.84	A	Asphalt Pavement								
				0.84-4.0	A	Gr Sa, Dk Br, Moist	10.3	A-1-b	Si Gr Sa	30.9	43.7	25.4		
				4.0-5.0	A	Gr Sa, Dk Br, Mtw	13.2	A-1-b	Si Gr Sa	38.1	39.7	22.2		
B-220	4/8/13	1.90	11.4 L	0.93	A	Asphalt Pavement								
				0.93-2.50	A	Sa Si, Br, Moist	12.5	A-4	Si Sa	4.3	53.3	42.4		
				2.50-5.0	A	Si Sa, Br, Mtw	13.2	A-4	Si Sa	6.8	56.5	36.7		
B-221	4/8/13	2.20	9.0 R	0.85	A	Asphalt Pavement								
				0.85-5.0	A	Gr Sa, Dk Br, Moist	8.8	A-2-4	Gr Si Sa	22.8	47.6	29.6		
				NLTD										
B-222	4/8/13	2.50	6.0 R	0.78	A	Asphalt Pavement								
				0.78-5.0	A	Gr Sa,Dk Br, Moist	6.9	A-2-4	Si Sa	16.7	54.5	28.9		
				NLTD										
B-223	4/5/13	2.7	6.7 L	1.06	A	Asphalt Pavement								
				1.06-2.5	A	Gr Sa, brn, Moist	3.1	A-1-b	Si Gr Sa	31.1	48.2	20.6		
				TLOB/ CNPE										

**Driller Noted Refusal at 2.5'

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bor.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
BORING SHEET	3
PLOT DATE:	3/7/2016
DRAWN BY:	N. GOTTIER
CHECKED BY:	E. ATKINS
SHEET	18 OF 146



**STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
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DRILLING NOTES**

**PROJECT NAME:** Rutland- Hartford  
**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC  
**TESTED BY:** J.Touchette, J. Staab

**SITE:** US-4  
**DATE:** 4/5 - 5/8/2013  
**REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
						SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-223A	4/5/13	2.7 +50'	6.3 L	0.94	A	Asphalt Pavement								
	4/5/13	2.7 +50'	6.3 L	0.94- 3.5	A	Gr Sa, brn, Moist	6.9	A-2-4	Gr Si Sa	24.6	50.4	25.0		
	4/5/13	2.7 +50'	6.3 L	3.5- 5.0		Si Sa, Dk/brn, MTW	39.3	A-2-4	Si Sa	15.7	55.6	28.7		
					NLTD									
B-223B	4/5/13	2.7 -50'	6.7 L	1.16	A	Asphalt Pavement								
	4/5/13	2.7 -50'	6.7 L	1.16- 3.5	A	Gr Si Sa, brn, M	12.2	A-2-4	Si Sa	16.8	56.0	27.2		
	4/5/13	2.7 -50'	6.7 L	3.5- 5.0	A	Si Sa, Dk/brn, MTW	17.3	A-4	Si Sa	7.8	50.8	41.4		
					NLTD									
B-224	4/5/13	2.9	12.0 L	0.98	A	Asphalt Pavement								
	4/5/13	2.9	12.0 L	0.98- 5.0	A	Si Sa, brn, MTW	16.1	A-2-4	Si Sa	2.2	63.5	34.3		
					NLTD									
B-225	4/5/13	3.2	0.0	0.95	A	Asphalt Pavement								
	4/5/13	3.2	0.0	0.95- 5.0	A	Sa Gr, Dk/brn, Moist	10.1	A-2-4	Gr Si Sa	20.7	56.4	22.9		
					NLTD									
B-226	4/5/13	3.50	7.9 R	0.0-1.18	A	Asphalt Pavement								
	4/5/13	3.50	7.9 R	1.18- 3.0	A	Broken Rock Gr Sa, brn, Moist	5.6	A-1-b	Si Gr Sa	29.8	48.3	21.9		
	4/5/13	3.50	7.9 R	3.0- 5.0	A	Gr Sa, Dk/brn, Moist	11.5	A-2-4	Si Sa	18.4	56.4	25.2		
B-227	4/5/13	3.80	4.3 R	0.94	A	Asphalt Pavement								
	4/5/13	3.80	4.3 R	0.94- 2.0	A	Gr Sa, brn, Moist	4.7	A-1-b	Gr Sa	28.5	54.0	17.5		
	4/5/13	3.80	4.3 R	2.0- 5.0	A	Gr Sa, brn, Moist	5.6	A-2-4	Si Gr Sa	24.6	54.2	21.2		
					NLTD									
B-228	4/5/13	4.1 -37	5.8 L	0.98	A	Asphalt Pavement								
	4/5/13	4.1 -37	5.8 L	0.98- 5.0	A	Gr Sa, brn, Moist	8.5	A-2-4	Gr Si Sa	20.6	55.3	24.1		
					NLTD									
B-229	4/5/13	4.4 -22	14.3 L	0.76	A	Asphalt Pavement								
	4/5/13	4.4 -22	14.3 L	0.76- 4.5	A	Broken Rock Gr Sa, brn, Moist	6.5	A-1-b	Gr Sa	29.1	54.5	16.4		
	4/5/13	4.4 -22	14.3 L	4.5- 5.0	A	Sa, brn, Moist	6.7	A-2-4	Si Sa	2.5	72.4	25.0		
					NLTD	**Moved due to intersection and underground utilities								
B-230	4/5/13	4.7	11.0 R	1.04	A	Asphalt Pavement								
	4/5/13	4.7	11.0 R	1.04-5.0	A	Sa Gr, brn, Moist	7.6	A-2-4	Gr Si Sa	20.7	55.7	23.6		
					NLTD									
B-231	4/5/13	5.00	4.8 R	0.81	A	Asphalt Pavement								
	4/5/13	5.00	4.8 R	0.81- 5.0	A	Gr Sa, brn, Moist	7.9	A-2-4	Si Sa	18.3	52.9	28.8		
					NLTD									



**STATE OF VERMONT  
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**BORING CREW:** Daigneault, Salisbury, Judkins

**PROJECT NUMBER:** NH020-2(35)SC  
**TESTED BY:** J.Touchette, J. Staab

**SITE:** US-4  
**DATE:** 4/5 - 5/8/2013  
**REVIEWED BY:** C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							
						SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-232	4/5/13	5.30	4.3 L	0.82	A	Asphalt Pavement								
	4/5/13	5.30	4.3 L	0.82- 5.0	A	Broken Rock Gr Sa, brn, Moist	5.5	A-1-b	Si Gr Sa	30.4	49.2	20.4		
					NLTD									
B-233	4/5/13	5.60	10.4 L	1.32	A	Asphalt Pavement								
	4/5/13	5.60	10.4 L	1.32- 5.0	A	Gr Sa, brn, Moist	8.9	A-2-4	Si Gr Sa	28.9	48.7	22.4		
					NLTD									

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME: z13bi92bor.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: N. GOTTIER
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
BORING SHEET 4	SHEET 19 OF 146

# QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES				
						ROADWAY	TRAINING	EROSION CONTROL	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
						1					1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	-			COLD PLANING, BITUMINOUS PAVEMENT
						60					<del>-60-</del>	9	EACH	THINNING AND TRIMMING FOR SIGNS	201.31	EST			1938721384 SY US ROUTE 4
						100					<del>-100-</del>	694.24	CY	COMMON EXCAVATION	203.15	12			842 990 SY US ROUTE 4 SIDEROADS
						8400					<del>8400</del>	13795.77	CY	SOLID ROCK EXCAVATION	203.16	219			609 SY ROUNDING
						1300					<del>1300</del>	635.48	CY	EARTH BORROW	203.30	EST			202293000 SY TOTAL
						34000					<del>34000</del>	3988	LF	SHOULDER BERM REMOVAL	203.40	EST			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
						250					<del>-250-</del>	238.78	CY	TRENCH EXCAVATION OF EARTH	204.20	11			484.971719 TON US ROUTE 4, TYPE III-S - INTERMEDIATE COURSE
						95					<del>-95-</del>	64.58	CY	TRENCH EXCAVATION OF ROCK	204.21	4			802.05 70 TON SIDEROADS, TYPE III-S - INTERMEDIATE COURSE
						1					<del>-1-</del>	38.51	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-			70 TON ROUNDING
						23000					<del>23000</del>	20229	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	689			2287.021875 TON TOTAL
						43200					<del>43200</del>	37394	LF	MILLED RUMBLE STRIPS (CENTERLINE)	213.10	203			
						280					<del>-200-</del>	0	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	12			
														BEGIN OPTION AA					
						150					<del>-150-</del>	0	CWT	EMULSIFIED ASPHALT	404.65	2			
						150					<del>-150-</del>	286.72	CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-1H OR CRS-1H)	900.683	2			
														END OPTION AA					
						1					<del>-1-</del>	22473.65	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-			
						1875					<del>1875-</del>	2287.02	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28)	490.30	78			
						1					<del>-1-</del>	0	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-			
						1					<del>-1-</del>	0	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-			
									720		<del>-720-</del>	485.10	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	22			
									50		<del>-50-</del>	11.64	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST			
						16					<del>-16-</del>	0	LF	18" RCP CLASS III	601.0815	8			
						2					2		EACH	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE	604.18	-			
						16					<del>-16-</del>	3	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST			
						4					<del>-4-</del>	0	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST			
						10					<del>-10-</del>	0	EACH	CHANGING ELEVATION OF SEWER MANHOLES	604.42	EST			
						480					<del>-480-</del>	476	LF	6 INCH UNDERDRAIN PIPE	605.10	12			
						25					<del>-25-</del>	24	LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	1			
						1					<del>-1-</del>	2	EACH	UNDERDRAIN FLUSHING BASIN	605.95	-			
						75					<del>-75-</del>	0	HR	POWER GRADER RENTAL	608.15	EST			
						385					<del>-385-</del>	93	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST			
						100					<del>-100-</del>	21	HR	POWER BROOM RENTAL, TYPE I	608.30	EST			
						100					<del>-100-</del>	0	HR	POWER BROOM RENTAL, TYPE II	608.31	EST			
						430					<del>-430-</del>	126.25	HR	TRUCK RENTAL	608.37	EST			
						50					<del>-50-</del>	0	HR	LOADER RENTAL, TYPE I	608.40	EST			
						85					<del>-85-</del>	399.70	CY	STONE FILL, TYPE I	613.10	3			
						400					<del>-400-</del>	415	LF	REMOVAL OF EXISTING CURB	616.41	10			
						100					<del>-100-</del>	49	EACH	YIELDING MARKER POSTS	619.17	EST			
						650					<del>-650-</del>	250	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	25			

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13b192q+y.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
QUANTITY SHEET 1  
PLOT DATE: 3/7/2016  
DRAWN BY: T. BIGELOW  
CHECKED BY: E. ATKINS  
SHEET 20 OF 146

# QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
						TRAINING	EROSION CONTROL	BRIDGE	FULL C.E. ITEMS	ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
										10	<del>-10</del>	6	EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-			
										2	2		EACH	MANUFACTURED TERMINAL SECTION, TANGENT	621.51	-			
										3	<del>-3</del>	0	EACH	ENERGY ABSORPTION ATTENUATOR	621.56	-			
										1	<del>-1</del>	0	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
										150	<del>-150</del>	637.5	LF	REMOVE AND RESET GUARDRAIL	621.75	25			
										26	<del>-26</del>	11.80	EACH	REPLACE GUARDRAIL POST ASSEMBLY	621.76	EST			
										200	<del>-200</del>	104	EACH	REPLACE GUARDRAIL BEAM UNIT	621.77	EST			
										10000	<del>-10000</del>	5587.50	LF	ADJUST HEIGHT OF GUARDRAIL	621.79	437.5			
										950	<del>-950</del>	325	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	25			
										650	<del>-650</del>	852	LF	TEMPORARY TRAFFIC BARRIER	621.90	10			
										2700	<del>-2700</del>	291.50	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST			
										4800	<del>-4800</del>	516.7	HR	FLAGGERS	630.15	EST			
									1		1		LS	FIELD OFFICE, ENGINEERS	631.10	-			
									1		1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
									3000		<del>3000</del>	1031.87	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-			
						520					<del>-520</del>	0	HR	EMPLOYEE TRAINEESHIP	634.10	-			
										1	1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
										1	1		LS	TRAFFIC CONTROL	641.10	-			
										6	6		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	EST			
														BEGIN OPTION BB					
										161	<del>-161</del>	0	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
										161	<del>-161</del>	0	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-			
										161	<del>-161</del>	162	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-			
														END OPTION BB					
														BEGIN OPTION CC					
										40	<del>-40</del>	0	LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	2			
										40	<del>-40</del>	0	LF	DURABLE CROSSWALK MARKING, EPOXY PAINT	646.503	2			
										40	<del>-40</del>	38	LF	DURABLE CROSSWALK MARKING, POLYUREA	646.504	2			
														END OPTION CC					
										296000	<del>-296000</del>	1586.73	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	2780			
										280000	<del>-280000</del>	2614.26	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	3667			
										600	<del>-600</del>	0	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	28			
										1200	<del>-1200</del>	0	LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	44			
										1200	<del>-1200</del>	636.50	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	28			
										322	<del>-322</del>	141	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
										80	<del>-80</del>	33	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	4			
										29800	<del>-29800</del>	297.72	EACH	LINE STRIPING TARGETS	646.76	EST			
										350	<del>-350</del>	859	LB	SEED	651.15	10			
										350	<del>-350</del>	0	LB	SEED, WINTER RYE	651.17	10			
										1500	<del>-1500</del>	353.7	LB	FERTILIZER	651.18	82			

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PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
QUANTITY SHEET 2  
PLOT DATE: 3/7/2016  
DRAWN BY: N. INGRISANI  
CHECKED BY: E. ATKINS  
SHEET 21 OF 146

# QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
					ROADWAY	TRAINING	EROSION CONTROL	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
							5.8			<del>-5.8</del>	14.08	TON	AGRICULTURAL LIMESTONE	651.20	0.1			
							5.8			<del>-5.8</del>	14.255	TON	HAY MULCH	651.25	0.1			
					1000					<del>1000</del>	289.08	CY	TOPSOIL	651.35	20			
							1			1		LS	EPSC PLAN	652.10	-			
							40			<del>-40</del>	8	HR	MONITORING EPSC PLAN	652.20	EST			
							1			<del>-1</del>	0	LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30	-			
							9000			<del>9000</del>	0	SY	TEMPORARY EROSION MATTING	653.20	452			
							40			<del>-40</del>	24.40	CY	VEHICLE TRACKING PAD	653.35	4			
							2			2		EACH	INLET PROTECTION DEVICE, TYPE I	653.40	-			
							650			<del>-650</del>	750	LF	PROJECT DEMARCATION FENCE	653.55	33			
					1650					<del>-1650</del>	1651.31	SF	TRAFFIC SIGNS, TYPE A	675.20	2			
					60					<del>-60</del>	56.50	SF	TRAFFIC SIGNS, TYPE B	675.21	4			
					3200					<del>3200</del>	2790.75	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	50			
					432					432		EACH	REMOVING SIGNS	675.50	-			
					39					<del>-39</del>	47	EACH	ERECTING SALVAGED SIGNS	675.60	-			
					30					<del>-30</del>	114	EACH	DELINEATOR WITH STEEL POST	676.10	EST			
					1100					<del>1100</del>	100	EACH	REMOVE AND REPLACE REFLECTOR UNIT	676.15	EST			
					1					<del>-1</del>	1516.46	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
					5					<del>-5</del>	4	EACH	SPECIAL PROVISION (CPM SCHEDULE)	900.620	EST			
					10					10		EACH	SPECIAL PROVISION (SOIL BEARING SLIP BASE) (2-1/2")	900.620	-			
													BEGIN OPTION DD					
					600					<del>-600</del>	0	LF	SPECIAL PROVISION (DURABLE 24 INCH STOP BAR, EPOXY PAINT) (28 MILS)	900.640	14			
					600					<del>-600</del>	697.50	LF	SPECIAL PROVISION (DURABLE 24 INCH STOP BAR, POLYUREA) (28 MILS)	900.640	14			
													END OPTION DD					
													BEGIN OPTION EE					
					148000					<del>148000</del>	0	LF	SPECIAL PROVISION (DURABLE 4 INCH WHITE LINE, EPOXY PAINT) (28 MILS)	900.640	1390			
					148000					<del>148000</del>	149015	LF	SPECIAL PROVISION (DURABLE 4 INCH WHITE LINE, POLYUREA) (28 MILS)	900.640	1390			
													END OPTION EE					
													BEGIN OPTION FF					
					140000					<del>140000</del>	0	LF	SPECIAL PROVISION (DURABLE 4 INCH YELLOW LINE, EPOXY PAINT) (28 MILS)	900.640	1834			
					140000					<del>140000</del>	137527	LF	SPECIAL PROVISION (DURABLE 4 INCH YELLOW LINE, POLYUREA) (28 MILS)	900.640	1834			
													END OPTION FF					
													BEGIN OPTION GG					
					300					<del>-300</del>	0	LF	SPECIAL PROVISION (DURABLE 8 INCH WHITE LINE, EPOXY PAINT) (28 MILS)	900.640	14			
					300					<del>-300</del>	225	LF	SPECIAL PROVISION (DURABLE 8 INCH WHITE LINE, POLYUREA) (28 MILS)	900.640	14			
													END OPTION GG					
													BEGIN OPTION HH					
					600					<del>-600</del>	0	LF	SPECIAL PROVISION (DURABLE 8 INCH YELLOW LINE, EPOXY PAINT) (28 MILS)	900.640	22			
					600					<del>600</del>	811	LF	SPECIAL PROVISION (DURABLE 8 INCH YELLOW LINE, POLYUREA) (28 MILS)	900.640	22			
													END OPTION HH					

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
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 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 QUANTITY SHEET 3  
 PLOT DATE: 3/7/2016  
 DRAWN BY: N. INGRISANI  
 CHECKED BY: E. ATKINS  
 SHEET 22 OF 146

# QUANTITY SHEET 4

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES				
						ROADWAY	TRAINING	EROSION CONTROL	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS	
						500					<del>-500-</del>	450	LF	SPECIAL PROVISION (ROCK DRAIN)	900.640	EST			SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONC. MATERIAL, DRIVES)	
						7000					<del>7000</del>	4001.80	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	198	4001.80-6992	SY	US ROUTE 4, DRIVEWAYS	
						308000					<del>900000</del>	275284	SY	SPECIAL PROVISION (MICROMILLING BITUMINOUS CONCRETE PAVEMENT)	900.675	3902	0	SY	ROUNDING	
						300000					<del>900000</del>	288552.70	SY	SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)(PG 70-28)(SBS POLYMER)(3/4" +/-1/8"LT)	900.675	2704	4001.80-7000	SY	TOTAL	
														BEGIN OPTION II					LT = LIFT THICKNESS	
						950					<del>-950-</del>	0	TON	SPECIAL PROVISION (AGGREGATE SHOULDERS)	900.680	20			SPECIAL PROVISION (MICROMILLING BITUMINOUS CONCRETE PAVEMENT)	
						950					<del>-950-</del>	2427.50	TON	SPECIAL PROVISION (AGGREGATE SHOULDERS, RAP)	900.680	20	2696029927	SY	US ROUTE 4	
														END OPTION II			6324	6474	SY	SIDERROADS
						50					<del>-50-</del>	200.25	TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680	EST	0	SY	ROUNDING	
						120					<del>-120-</del>	104.77	CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	EST			SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) (PG 70-28)(SBS POLYMER)	
																	28772	20292425	SY	US ROUTE 4
																	330.50	6474	SY	SIDERROADS
																	0	SY	ROUNDING	
																	288552.70	9000000	SY	TOTAL

PROJECT NAME: KILLINGTON-WOODSTOCK  
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 DESIGNED BY: T. BIGELOW  
 QUANTITY SHEET 4  
 PLOT DATE: 3/7/2016  
 DRAWN BY: N. INGRISANI  
 CHECKED BY: E. ATKINS  
 SHEET 23 OF 146

# ITEM DETAIL & DRAINAGE SHEET

LOCATION			EXCAVATION		DRAINAGE				UNDERDRAIN			GUARDRAIL										REMARKS	
			204.20	204.21	601.0815	604.18		604.412	604.415	605.10	605.20	605.95	621.20	621.50	621.51	621.60	621.75	621.76	621.77	621.79	621.80		676.10
STA.	STA.	POSITION	TRENCH EXCAVATION OF EARTH	TRENCH EXCAVATION OF ROCK	18" RCP CLASS III	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	6 INCH UNDERDRAIN PIPE	6 INCH UNDERDRAIN CARRIER PIPE	UNDERDRAIN FLUSHING BASIN	STEEL BEAM GUARDRAIL GALV.	MANUFACT. TERMINAL SECTION, FLARED	MANUFACT. TERMINAL SECTION, TANGENT	ANCHOR FOR STEEL BEAM RAIL	REMOVE AND RESET GUARDRAIL	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	ADJUST HEIGHT OF GUARDRAIL	REMOVAL & DISPOSAL OF GUARDRAIL	DELINEATOR WITH STEEL POST		
			CY	CY	LF	EACH	GRATE	EACH	EACH	LF	LF	EACH	LF	EACH	EACH	EACH	EA	EA	EA	EA	EA	EA	
B 81+18.0	B 81+30.5	LT										12.5										12.5	
B 82+15.9	B 82+40.9	LT										25.0										25.0	
B 93+79.3	B 94+01.5	RT										25.0										25.0	
B 109+55.0		LT																					
B 138+14.5	B 138+25.0	RT	11.4	-3.8-64.58					31.34							1						1	
B 138+45.4	B 138+49.4	RT	-2.2	-0.7						6													
B 138+50.5	B 138+50.8	RT	19.7	16.95		1	A																REMOVE EXISTING DI / INSTALL NEW DI CONNECT TO EXISTING WITH FLEXIBLE RUBBER COUPLING
B 138+50.5	B 138+50.8	LT	-2.3	-0.0																			
B 138+53.0	B 138+56.0	RT	-2.2	-0.7						6													
B 138+53.0	B 141+47.5	RT	109.6	124.63						29+294													
B 140+26.5		RT																					
B 141+53.2		RT	19.2	22.28		1	A																REMOVE EXISTING DI / INSTALL NEW DI CONNECT TO EXISTING WITH FLEXIBLE RUBBER COUPLING
B 141+53.2	B 141+53.0	LT	-3.2	-1.1																			
B 141+47.5	B 141+51.0	RT	-2.2	-0.0																			
B 141+54.7	B 141+58.4	RT	-2.2	-0.0																			
B 141+58.4	B 143+09.5	RT	65.2	83.84							146+148												
B 142+25.8	B 143+19.5	LT																					
B 143+19.5	B 143+57.0	LT																					
B 146+50.0	B 146+87.5	LT																					
B 146+87.5	B 147+50.0	LT																					
B 158+73.1	B 158+98.1	LT																					
B 179+00.0	B 179+37.5	RT																					
B 180+75.0	B 181+75.0	RT																					
B 267+56.6	B 269+99.7	LT																					
B 279+19.7	B 279+57.2	LT																					
B 280+64.3	B 281+01.8	LT																					
B 310+18.7	B 310+56.2	RT																					
B 310+56.2	B 333+31.2	RT																					
B 337+00.0	B 350+61.0	RT																					
B 350+61.0	B 350+98.5	RT																					
W 19+01.0	W 19+38.5	RT																					
W 19+38.5	W 25+54.5	RT																					
W 25+54.5	W 25+92.0	RT																					
W 48+55.2	W 49+05.2	LT																					
W 49+05.2	W 49+80.2	LT																					
W 49+80.2	W 50+30.2	LT																					
W 63+63.0	W 116+65.0	RT																					
W 258+47.4	W 259+09.9	LT																					
W 273+47.4	W 273+84.9	RT																					
W 291+61.4	W 291+73.9	RT																					
ROUNDING			44.0	-4.0	-9.0	-	-	EST	EST	12.0	-1.0	-	25.0	-	-	-	25.0	EST	EST	-437.5	25.0	EST	
<b>TOTALS</b>			<b>238.78</b>	<b>64.58</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>476</b>	<b>24</b>	<b>2</b>	<b>250</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>637.5</b>	<b>11.8</b>	<b>104</b>	<b>5587.5</b>	<b>325</b>	<b>114</b>	

PROJECT NAME: KILLINGTON-WOODSTOCK	PLOT DATE: 3/7/2016
PROJECT NUMBER: ER NH 020-2(38)	DRAWN BY: I. KHALID
FILE NAME: z13bi921+em.dgn	CHECKED BY: E. ATKINS
PROJECT LEADER: E. ATKINS	SHEET 24 OF 146
DESIGNED BY: T. BIGELOW	
ITEM DETAIL AND DRAINAGE SHEET	

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# EARTHWORKS

																				SUMMARY AND BALANCES																
		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EARTH BORROW						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EARTH BORROW																				
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION TO STATION	TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EARTH BORROW C.Y.	EXCESSES		ACUMULATIVE EXCESSES		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.		FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.					CUT	FILL	CUT	FILL			
<b>US ROUTE 4</b>																																				
B 138+14.5		0		0		0		41																												
B 138+50	36	511	341	508	339	62	41																													
B 139+00	50	559	991	550	980	62	115																													
B 139+50	50	688	1155	671	1131	58	111																													
B 140+00	50	588	1181	585	1163	58	107																													
B 140+50	50	455	966	450	958	60	109																													
B 141+00	50	397	789	395	782	59	110																													
B 141+50	50	373	713	372	710	58	108																													
B 142+00	50	379	712	377	707	57	112																													
B 142+50	50	390	712	387	707	64	117																													
B 143+00	9	334	670	329	663	62	110																													
B 143+08.5		0		0		0																														
SUBTOTALS			<b>6269</b>		<b>8181</b>		<b>1048</b>																													
			<b>694.24</b>		<b>13795.77</b>		<b>635.48</b>																													

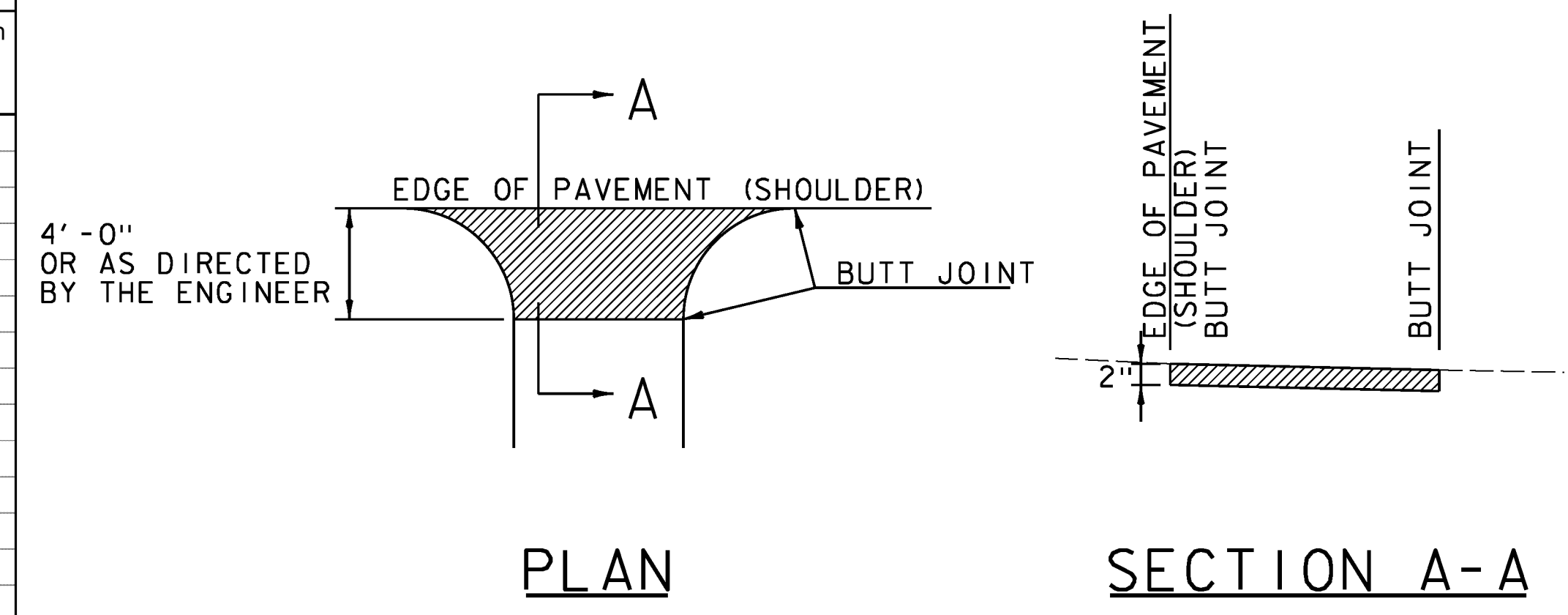
  

REMARKS (CASE II)		
EARTH AND ROCK EXCAVATION		8269
SOLID ROCK EXCAVATION		8181
EARTH EXCAVATION		88
PLANIMETERED FILL		1048
LESS FACTORED SOLID ROCK		1048
LESS DISPLACEMENT OF ANY LARGE STRUCTURES		
NET PLANIMETERED FILL		1048
FACTOR		1
PLANIMETERED FILL INCLUDING FACTOR		1048
MATERIALS AVAILABLE FOR FILLS		
EARTH EXCAVATION		88
CHANNEL EXCAVATION		-
UNDERDRAIN EXCAVATION		195
STRUCTURE EXCAVATION		-
DRAINAGE EXCAVATION		45
TOTAL MATERIAL AVAILABLE FOR FILL		328
TOTAL FILL INCLUDING FACTOR		1048
TOTAL MATERIAL FOR FILL		328
BORROW		
EXCESS EXCAVATION		8989

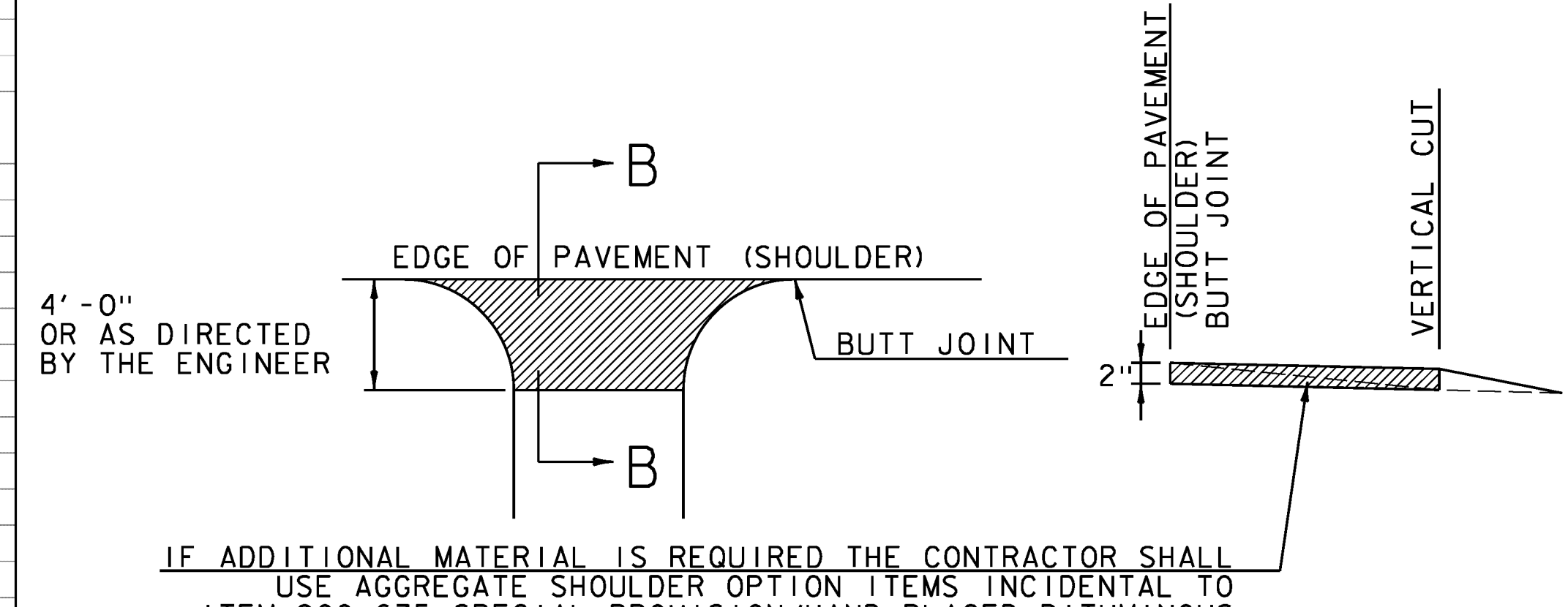
PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192ewqty.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
EARTHWORK SHEET	
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS
SHEET	25 OF 146

# LOCATION OF DRIVES

Station	Position	Item 900.675 Special Provision Hand-Placed Bituminous Concrete Material, Drives (SY)	Station	Position	Item 900.675 Special Provision Hand-Placed Bituminous Concrete Material, Drives (SY)	Station	Position	Item 900.675 Special Provision Hand-Placed Bituminous Concrete Material, Drives (SY)	Station	Position	Item 900.675 Special Provision Hand-Placed Bituminous Concrete Material, Drives (SY)
<b>KILLINGTON</b>			B 355+98	LT	14	W 45+00	RT	118	W 253+99	LT	20
K 405+02	RT	198	B 356+75	LT	11	W 62+45	LT	27	W 254+55	LT	22
K 422+35	RT	25	B 357+30	LT	11	W 66+26	LT	24	W 255+38	LT	17
K 424+01	RT	21	B 358+06	LT	26	W 72+16	LT	26	W 256+40	RT	14
K 437+62	LT	17	B 358+98	LT	21	W 73+80	LT	110	W 256+71	LT	8
K 445+31	RT	49	B 359+88	LT	13	W 77+71	LT	15	W 259+02	RT	31
K 445+58	LT	23	B 360+20	RT	14	W 80+50	RT	280	W 261+15	RT	95
K 447+14	RT	29	B 360+59	LT	20	W 80+88	RT	231	W 263+69	RT	259
K 447+91	RT	28	B 361+39	RT	16	W 82+05	LT	12	W 264+58	LT	19
<b>KILLINGTON SUBTOTAL</b>			B 361+95	LT	7	W 84+11	LT	16	W 266+61	RT	186
			B 364+02	LT	16	W 85+31	LT	32	W 268+09	LT	44
			B 364+03	RT	14	W 92+13	LT	23	W 273+06	LT	40
<b>BRIDGEWATER</b>			B 364+52	RT	10	W 93+83	LT	14	W 275+48	LT	19
B 0+40	LT	39	B 365+66	RT	17	W 100+50	RT	86	W 278+04	LT	10
B 0+56	RT	20	B 369+40	RT	20	W 104+02	LT	39	W 282+74	LT	15
B 01+29	RT	27	B 369+47	LT	20	W 107+00	RT	11	W 283+69	LT	12
B 10+04	LT	18	B 371+30	RT	13	W 116+62	LT	26	W 284+18	RT	11
B 14+92	LT	25	B 371+94	LT	10	W 118+64	LT	10	W 297+50	LT	105
B 16+01	LT	21	B 372+49	LT	12	W 122+95	LT	14			
B 17+50	RT	47	B 374+00	LT	65	W 127+62	LT	25	<b>WOODSTOCK SUBTOTAL</b>		3502
B 21+50	RT	370	B 374+83	RT	9	W 132+90	RT	93	<b>KILLINGTON SUBTOTAL</b>		390
B 30+01	RT	22	B 375+94	LT	15	W 133+12	LT	21	<b>BRIDGEWATER SUBTOTAL</b>		2910
B 31+02	RT	45	B 376+08	RT	22	W 134+14	LT	12	<b>WOODSTOCK SUBTOTAL</b>		3502
B 32+31	RT	28	B 377+19	RT	80	W 139+04	LT	26	<b>PROJECT SUBTOTAL</b>		6802
B 34+60	LT	30	B 378+07	LT	9	W 152+00	LT	9	<b>ROUNDING</b>		198
B 58+17	LT	16	B 378+77	LT	8	W 155+17	LT	21	<b>PROJECT TOTAL</b>		7000
B 70+21	LT	31	B 380+04	LT	7	W 158+33	LT	19			
B 80+11	LT	24	B 380+61	RT	41	W 166+78	LT	11			
B 97+38	LT	176	B 381+28	LT	8	W 167+54	LT	11			
B 114+88	LT	7	B 382+13	LT	13	W 168+57	RT	14			
B 115+59	RT	20	B 386+15	LT	21	W 169+39	RT	13			
B 116+46	LT	24	B 389+38	LT	18	W 171+74	RT	16			
B 120+49	LT	28	B 391+27	LT	17	W 176+50	LT	16			
B 125+83	LT	20	B 392+45	LT	14	W 179+64	RT	73			
B 136+89	LT	44	B 393+50	LT	13	W 182+70	RT	27			
B 145+04	LT	129	B 394+19	LT	12	W 185+95	LT	230			
B 154+46	LT	13	B 395+88	LT	17	W 213+01	RT	12			
B 156+50	LT	33				W 213+61	RT	21			
B 157+46	LT	18				W 215+41	RT	18			
B 164+63	LT	38	<b>BRIDGEWATER SUBTOTAL</b>		2910	W 218+22	LT	26			
B 200+46	RT	27				W 218+49	RT	14			
B 201+21	RT	30	<b>WOODSTOCK</b>			W 218+98	LT	24			
B 233+45	RT	12	W 0+91	LT	14	W 220+66	LT	13			
B 235+59	RT	12	W 1+81	LT	9	W 222+08	RT	24			
B 236+39	LT	17	W 3+15	LT	10	W 222+98	RT	13			
B 237+36	LT	26	W 3+43	LT	8	W 223+85	LT	19			
B 240+82	LT	12	W 4+78	LT	12	W 224+77	LT	13			
B 246+02	LT	14	W 5+84	LT	7	W 225+08	RT	14			
B 246+95	LT	12	W 7+25	RT	18	W 226+15	RT	18			
B 253+09	RT	17	W 8+14	LT	18	W 227+19	RT	9			
B 257+75	RT	42	W 8+99	LT	18	W 227+51	RT	8			
B 261+75	RT	25	W 9+66	RT	16	W 228+11	RT	8			
B 272+88	LT	13	W 10+44	RT	7	W 228+38	RT	10			
B 280+09	LT	150	W 10+99	RT	7	W 230+40	RT	21			
B 280+70	RT	42	W 11+23	RT	7	W 244+99	LT	12			
B 292+35	RT	24	W 11+41	LT	17	W 247+35	RT	16			
B 300+91	LT	8	W 11+73	RT	7	W 247+87	LT	11			
B 301+82	LT	16	W 11+96	RT	7	W 248+23	LT	11			
B 302+94	RT	16	W 12+47	RT	8	W 248+65	RT	25			
B 303+34	LT	100	W 16+29	LT	31	W 248+80	LT	11			
B 303+47	RT	11	W 18+25	LT	8	W 249+25	LT	9			
B 320+01	LT	15	W 18+99	LT	15	W 249+88	LT	11			
B 321+83	LT	13	W 21+09	LT	47	W 250+06	RT	24			
B 348+81	RT	214	W 26+78	LT	16	W 250+98	RT	14			
B 352+81	LT	26	W 27+76	LT	8	W 251+65	LT	12			
B 353+59	LT	18	W 33+90	LT	17	W 252+60	LT	29			
B 354+63	LT	11	W 35+14	LT	13	W 253+55	RT	9			



### HANDWORK DETAILS FOR PAVED DRIVES



### HANDWORK DETAILS FOR GRAVEL DRIVES

- NOTES:**
- PAVING LIFT NOT TO EXCEED 2 INCHES.
  - THE COST OF PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES AT LEAST 24 HOURS BEFORE PAVING, SHALL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
  - EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.675 SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

**LEGEND:**  
 ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92drv+ble.dgn PLOT DATE: 3/7/2016  
PROJECT LEADER: E. ATKINS DRAWN BY: N. INGRISANI  
DESIGNED BY: T. BIGELOW CHECKED BY: E. ATKINS  
HANDWORK DETAIL SHEET SHEET 26 OF 146

# PAVEMENT LIMITS AND WIDTHS

TOWN	BEGIN STATION	END STATION	LEFT SHOULDER (MIN)	LEFT LANE (TYP)	LEFT TURN LANE (TYP)	RIGHT LANE (TYP)	RIGHT SHOULDER (MIN)	WEARING DEPTH (IN)	INTERMEDIATE DEPTH (IN)	NOTES
								(TYPE C) (3/4")	TYPE III	
<b>KILLINGTON</b>	K 398+80.00	K 433+10.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		MICROMILLING AND PAVER PLACED SURFACE TREATMENT
<b>US ROUTE 4</b>	K 433+10.00	K 436+52.00	3.0'	12.0'	NA	12.0'	3.0'	3/4"		
	K 436+52.00	B 0+00.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
<b>BRIDGEWATER</b>	B 0+00.00	B 1+00.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
<b>US ROUTE 4</b>	B 1+00.00	B 6+39.00	5.0'	12.0'	NA	12.0'	5.0'	3/4"		
	B 6+39.00	B 66+11.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 66+11.00	B 69+69.00	5.0'	12.0'	NA	12.0'	5.0'	3/4"		
	B 69+69.00	B 83+02.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 83+02.00	B 87+78.00	5.0'	12.0'	NA	12.0'	5.0'	3/4"		
	B 87+78.00	B 99+16.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 99+16.00	B 118+07.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 118+07.00	B 120+43.00	4.0'	12.0'	NA	12.0'	4.0'	3/4"		
	B120+43.00	B126+12.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 126+12.00	B 134+80.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 134+80.00	B 148+25.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 148+25.00	B 192+88.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 192+88.00	B 200+10.00	9.0'	12.0'	NA	12.0'	9.0'	3/4"		
	B 200+10.00	B 206+25.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 206+25.00	B 215+30.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 215+30.00	B 236+00.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 236+00.00	B 240+25.00	7.0'	12.0'	NA	12.0'	7.0'	3/4"		
	B 240+25.00	B 242+32.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 242.32.00	B 252+25.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 252+25.00	B 257+70.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 257+70.00	B 265+12.00	4.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 265+12.00	B 268+82.00	8.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 268+82.00	B 273+27.00	10.0'	12.0'	NA	12.0'	8.0'	3/4"		
	B 273+27.00	B 279+47.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 279+47.00	B 285+75.00	3.0'	12.0'	NA	12.0'	3.0'	3/4"		
	B 285+75.00	B 317+94.00	10.0'	12.0'	NA	12.0'	10.0'	3/4"		
	B 317+94.00	B 322+75.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	B 322+75.00	B 332+00.00	7.0'	11.0'	NA	11.0'	7.0'	3/4"		
	B 332+00.00	B 334+25.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	B 334+25.00	B 339+00.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	B 339+00.00	B 344+25.00	7.0'	11.0'	NA	11.0'	7.0'	3/4"		
	B 344+25.00	B 349+92.00	9.0'	11.0'	NA	11.0'	9.0'	3/4"		
	B 349+92.00	B 350+60.00	3.0'	11.0'	NA	11.0'	3.0'	3/4"		
	B 350+60.00	B 357+75.00	3.0'	11.0'	NA	11.0'	3.0'	3/4"	1-1/2"	COLD PLANING, BITUMINOUS PAVEMENT AND OVERLAY
	B 357+75.00	B 374+75.00	4.0'	11.0'	NA	11.0'	4.0'	3/4"	1-1/2"	
	B 374+75.00	B 386+75.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"	1-1/2"	
	B 386+75.00	B 394+00.00	6.0'	11.0'	NA	11.0'	6.0'	3/4"	1-1/2"	
	B 394+00.00	W 0+00.00	4.0'	11.0'	NA	11.0'	4.0'	3/4"	1-1/2"	
<b>WOODSTOCK</b>	W 0+00.00	W 12+70.00	4.0'	11.0'	NA	11.0'	4.0'	3/4"	1-1/2"	
<b>US ROUTE 4</b>	W 12+70.00	W 16+75.00	4.0'	11.0'	NA	11.0'	4.0'	3/4"		MICROMILLING AND PAVER PLACED SURFACE TREATMENT
	W 16+75.00	W 60+25.00	3.0'	11.0'	NA	11.0'	3.0'	3/4"		
	W 60+25.00	W 61+00.00	4.0'	11.0'	NA	11.0'	4.0'	3/4"		
	W 61+00.00	W 69+00.00	6.0'	11.0'	NA	11.0'	6.0'	3/4"		
	W 69+00.00	W 86+67.00	3.0'	11.0'	NA	11.0'	3.0'	3/4"		
	W 86+67.00	W 103+06.00	6.0'	11.0'	NA	11.0'	6.0'	3/4"		
	W 103+06.00	W 108+40.00	4.0'	11.0'	NA	11.0'	4.0'	3/4"		
	W 108+40.00	W 125+20.00	6.0'	11.0'	NA	11.0'	6.0'	3/4"		
	W 125+20.00	W 128+82.00	8.0'	11.0'	NA	11.0'	8.0'	3/4"		
	W 128+82.00	W 137+30.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	W 137+30.00	W 150+82.00	8.0'	11.0'	NA	11.0'	8.0'	3/4"		
	W 150+82.00	W 162+15.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	W 162+15.00	W 164+47.00	5.0'	11.0'	VARIES	11.0'	5.0'	3/4"		
	W 164+47.00	W 167+97.00	5.0'	11.0'	12.0'	11.0'	5.0'	3/4"		
	W 167+97.00	W 171+41.00	5.0'	11.0'	VARIES	11.0'	5.0'	3/4"		
	W 171+41.00	W 176+44.00	6.5'	11.0'	NA	11.0'	6.5'	3/4"		
	W 176+44.00	W 180+10.00	7.0'	11.0'	NA	11.0'	13.0'	3/4"		
	W 180+10.00	W 189+62.00	6.5'	11.0'	NA	11.0'	6.5'	3/4"		
	W 189+62.00	W 195+50.00	3.0'	11.0'	NA	11.0'	3.0'	3/4"		
	W 195+50.00	W 216+10.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	W 216+10.00	W 221+00.00	6.5'	11.0'	NA	11.0'	6.5'	3/4"		
	W 221+00.00	W 230+00.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	W 230+00.00	W 239+55.00	10.0'	11.0'	NA	11.0'	10.0'	3/4"		
	W 239+55.00	W 241+64.00	11.0'	11.0'	VARIES	11.0'	5.0'	3/4"		
	W 241+64.00	W 245+80.00	5.0'	11.0'	12.0'	11.0'	5.0'	3/4"		
	W 245+80.00	W 247+50.00	5.0'	11.0'	VARIES	11.0'	5.0'	3/4"		
	W 247+50.00	W 255+75.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	W 255+75.00	W 267+75.00	9.0'	11.0'	NA	11.0'	9.0'	3/4"		
	W 267+75.00	W 294+66.00	5.0'	11.0'	NA	11.0'	5.0'	3/4"		
	W 294+66.00	W 298+83.00	3.0'	11.0'	NA	11.0'	3.0'	3/4"		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92pavewidths.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: N. INGRISANI  
 DESIGNED BY: T. BIGELOW CHECKED BY: E. ATKINS  
 PAVEMENT LIMITS AND WIDTHS DETAIL SHEET SHEET 27 OF 146

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. K 398+80 - K 407+50

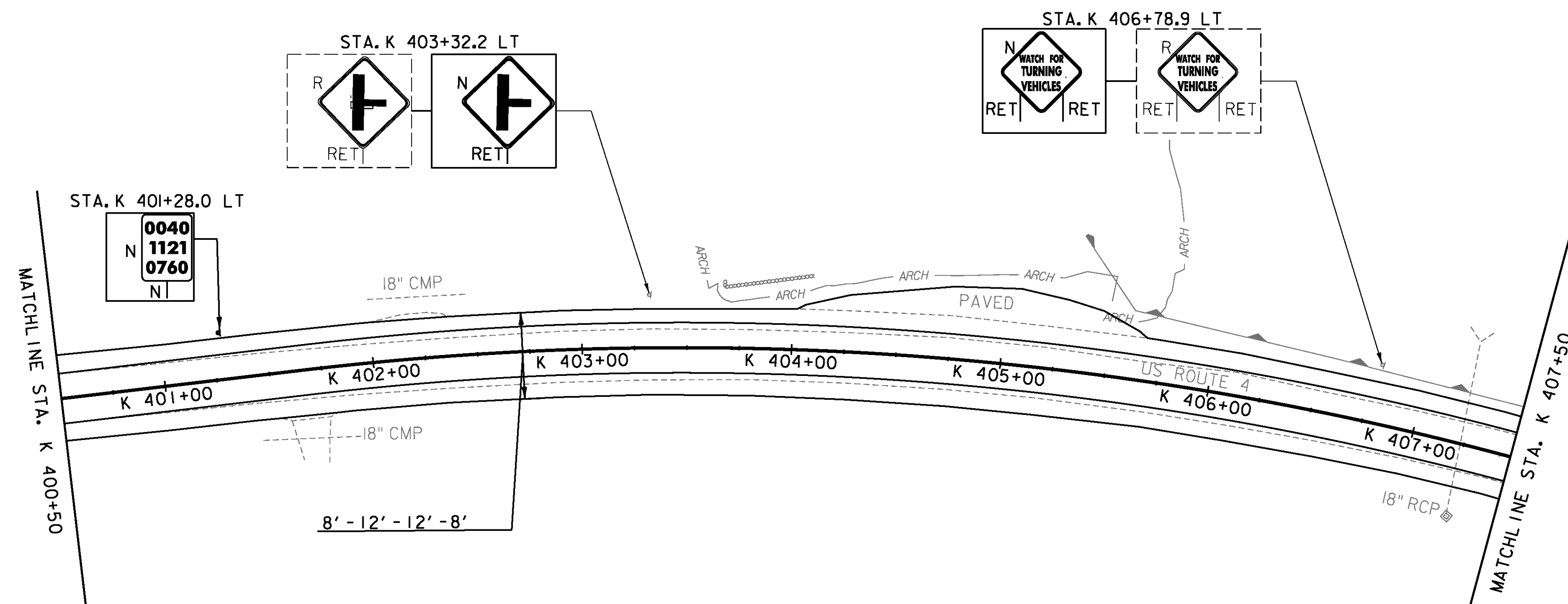
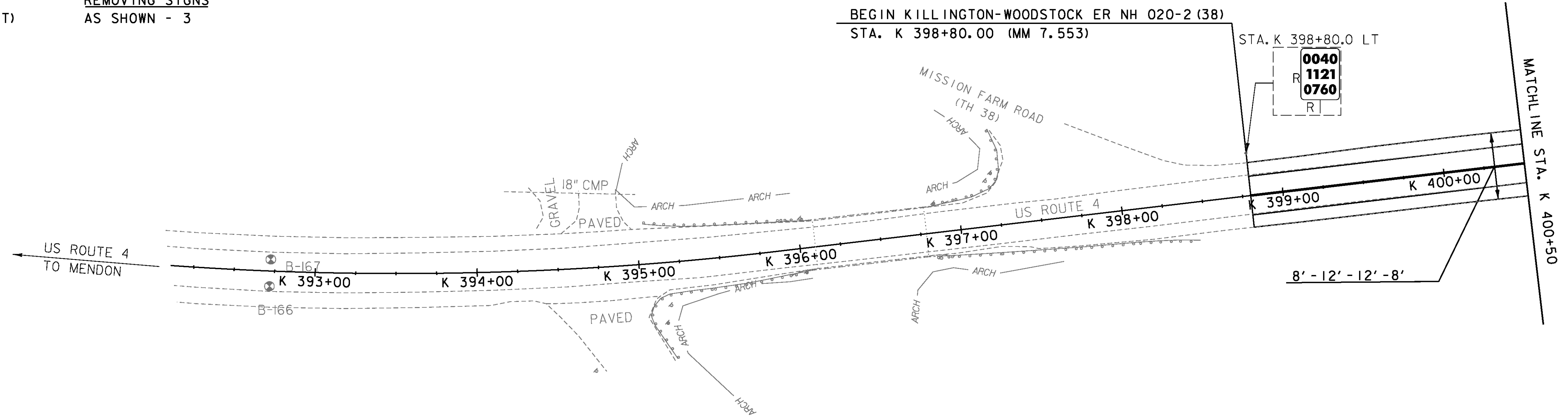
TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEM)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)

STA. K 398+80 - K 407+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)

STA. K 398+80 - K 407+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 3



SIGN LEGEND

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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 1

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 28 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. K 407+50 - K 422+01  
 STA. K 422+41 - K 424+50

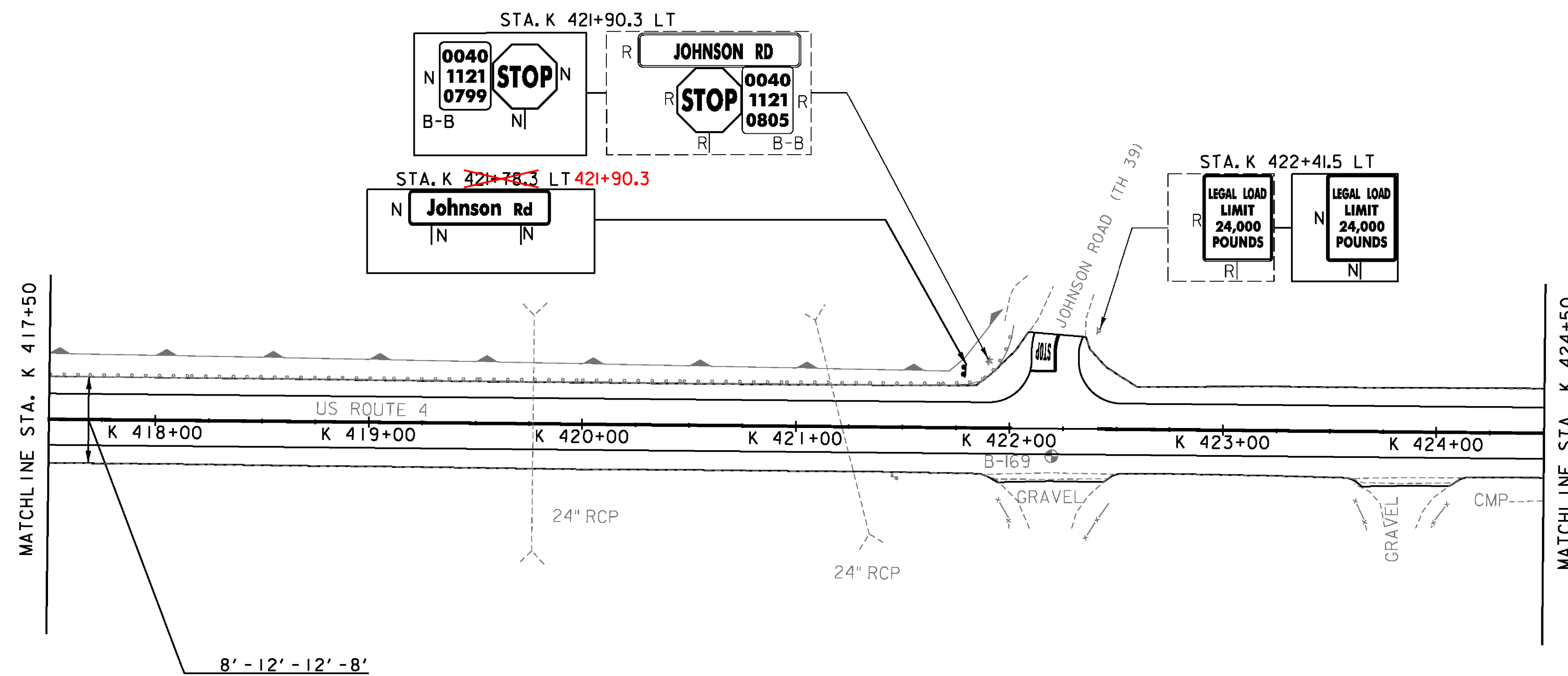
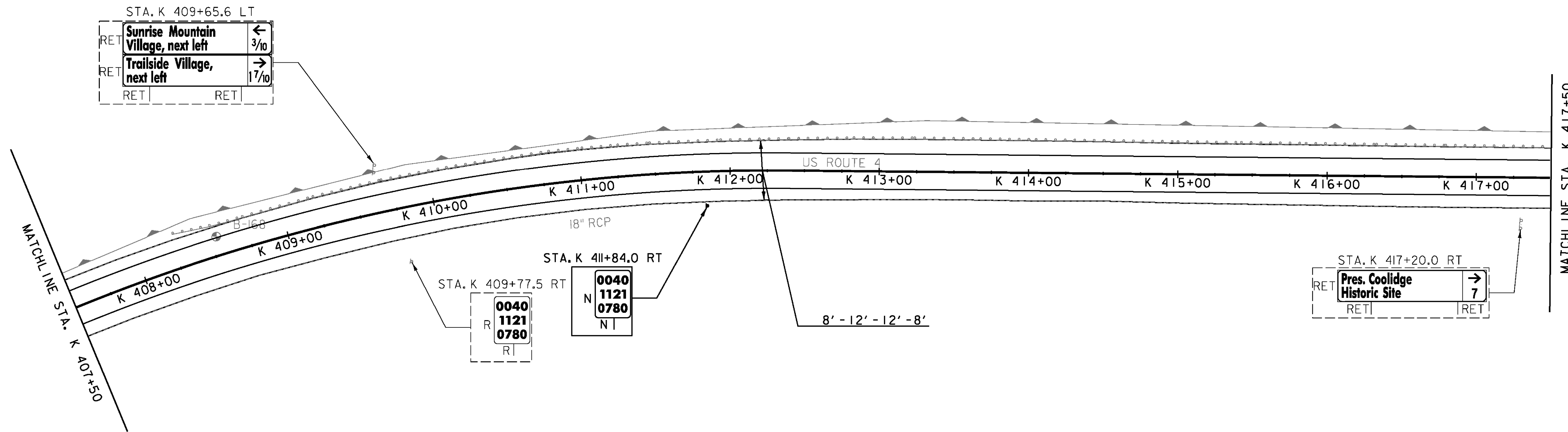
TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. K 407+50 - K 424+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. K 407+50 - K 424+50 (SOLID LT & RT)

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. K 422+15 LT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 5

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. K 422+15 LT



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 2  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 29 OF 146

NOT TO SCALE

**MILLED RUMBLE STRIPS (CENTERLINE)**  
 STA. K 424+50 - K 425+41  
 STA. K 425+81 - K 432+54  
 STA. K 432+94 - K 435+61  
 STA. K 436+01 - K 439+50

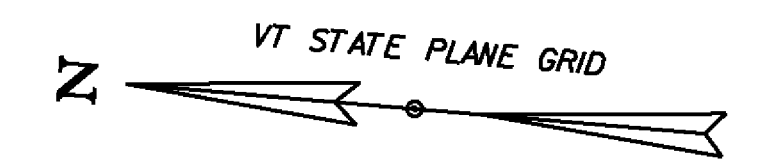
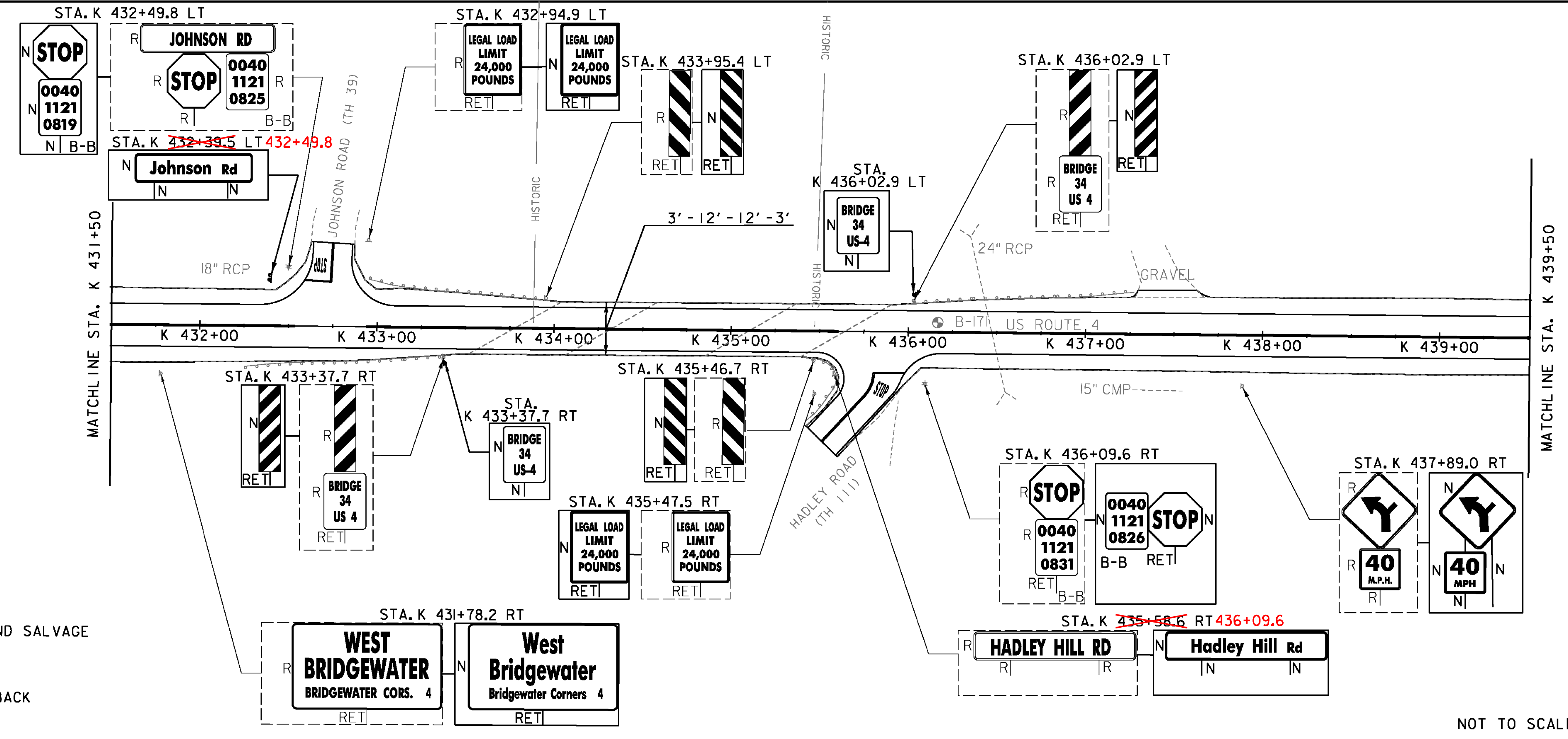
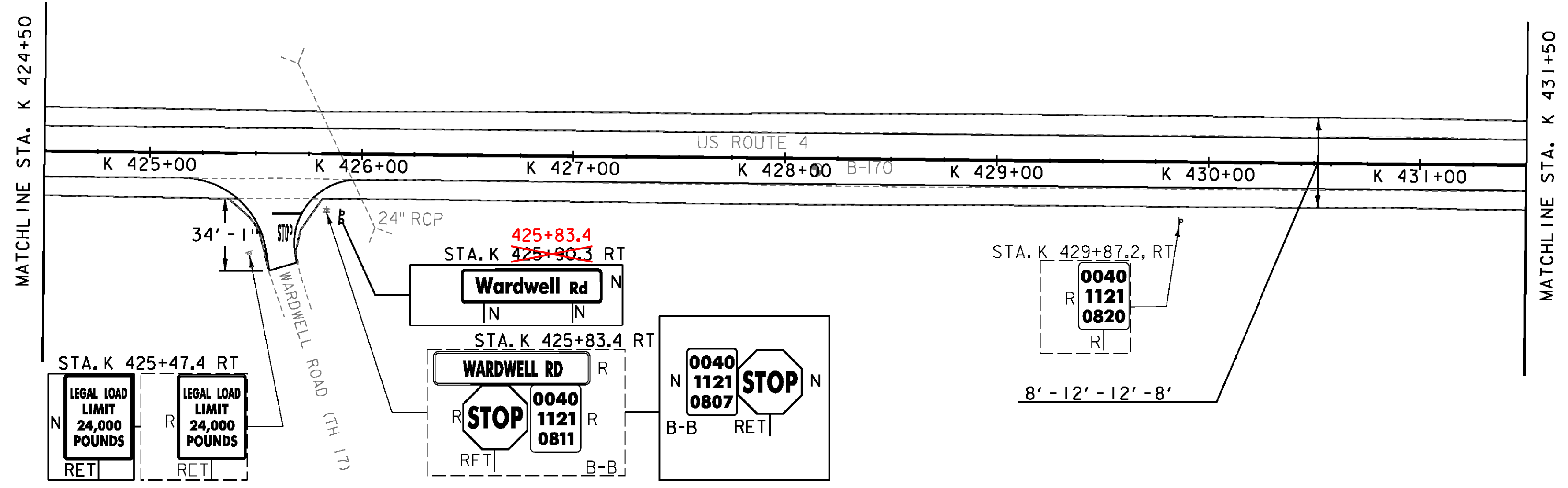
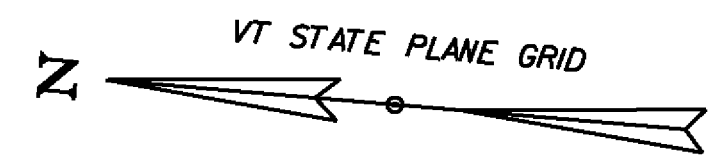
**TEMPORARY 4 INCH WHITE LINE, PAINT**  
**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. K 424+50 - K 439+50 (SOLID LT & RT)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**  
**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. K 424+50 - K 439+50 (SOLID LT & RT)

**TEMPORARY LETTER OR SYMBOL, PAINT**  
**DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)**  
 STA. K 425+64 RT "STOP" (4 EA)  
 STA. K 432+67 LT "STOP" (4 EA)  
 STA. K 435+85 RT "STOP" (4 EA)

**TEMPORARY 24 INCH STOP BAR, PAINT**  
**DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)**  
 STA. K 425+64 RT  
 STA. K 432+67 LT  
 STA. K 435+89 RT

**REMOVING SIGNS**  
 AS SHOWN - 22



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 3  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 30 OF 146

NOT TO SCALE

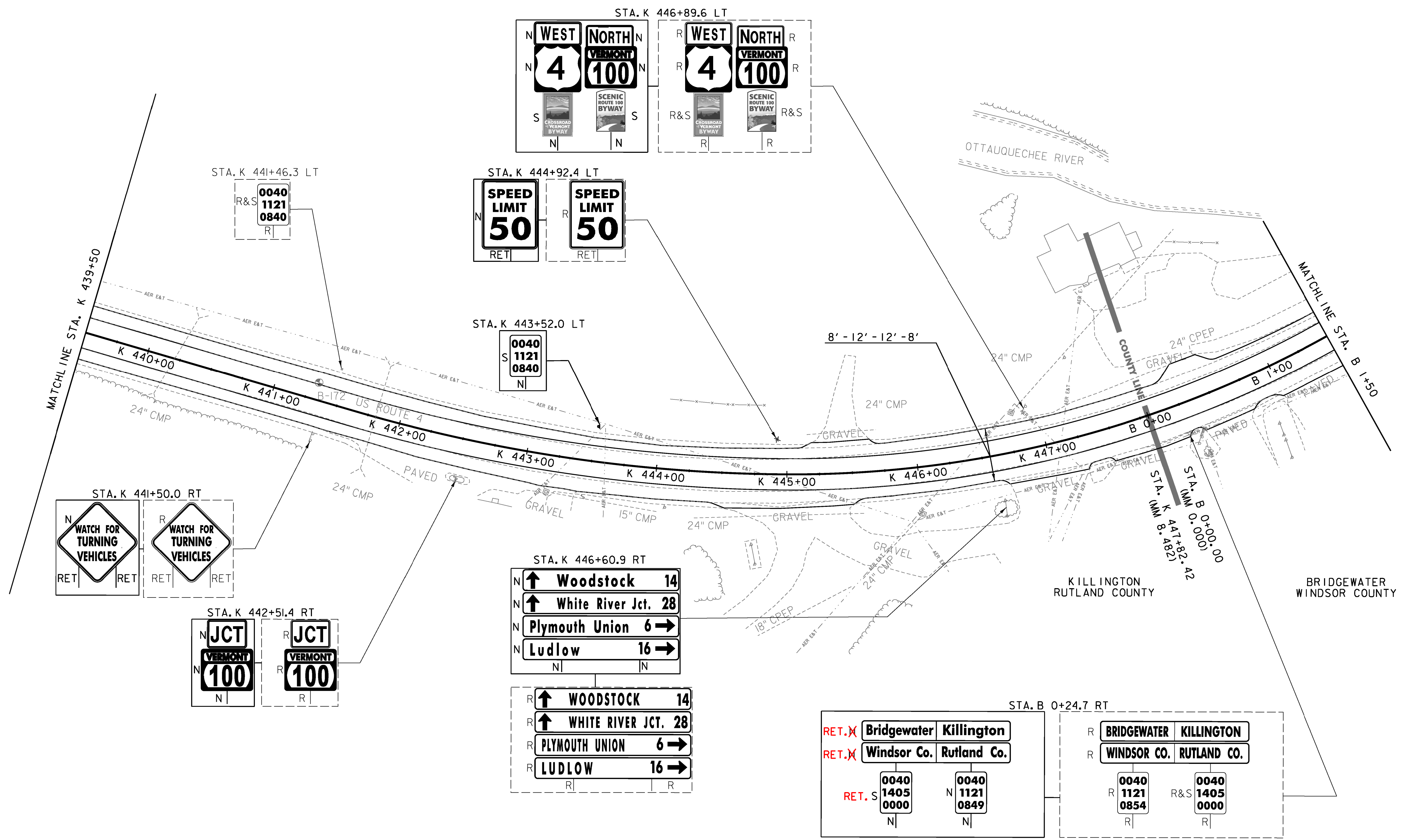
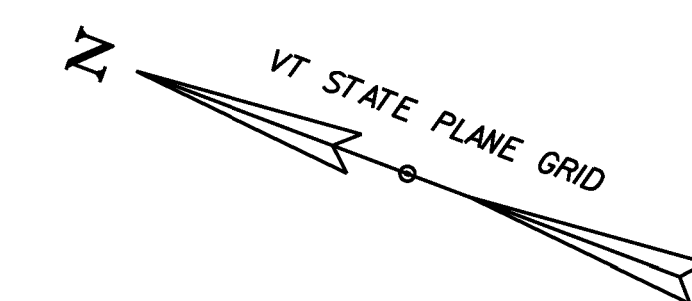
MILLED RUMBLE STRIPS (CENTERLINE)  
STA. K 439+50 - B 1+00

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADIUS FOR SIDE ROADS)  
STA. K 439+50 - B 1+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. K 439+50 - B 1+50 (SOLID LT & RT)

REMOVING SIGNS  
AS SHOWN - 19

ERECTING SALVAGED SIGNS  
AS SHOWN - 4



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13bi92bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
PLAN SHEET 4  
SHEET 31 OF 146

NOT TO SCALE

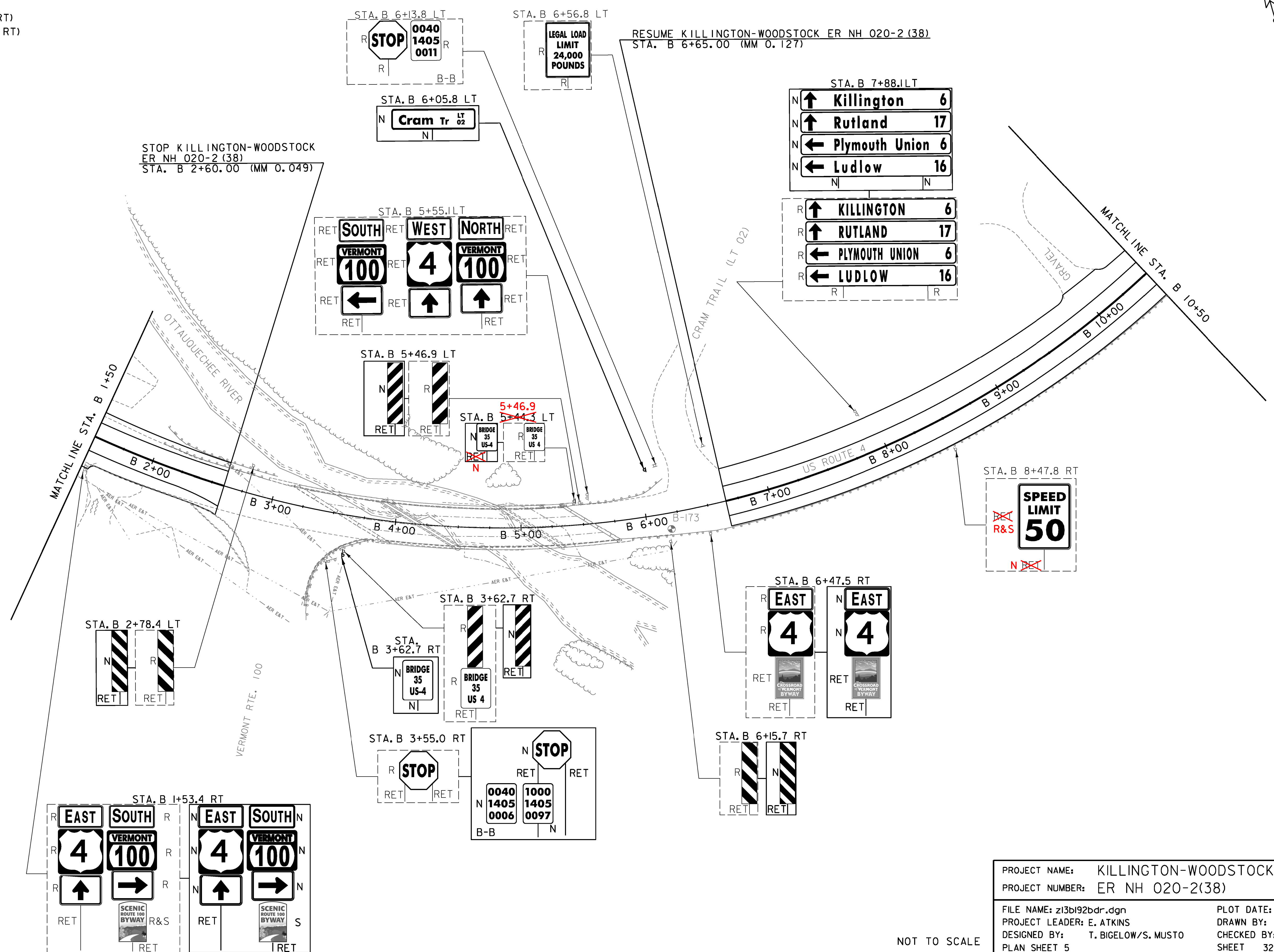
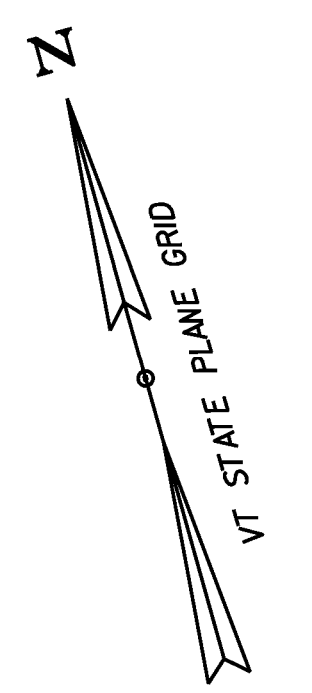
MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 7+00 - B 10+50

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 1+50 - B 2+60 (SOLID LT & RT)  
 STA. B 6+65 - B 10+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 1+50 - B 2+60 (SOLID LT & RT)  
 STA. B 6+65 - B 10+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 24

ERECTING SALVAGED SIGNS  
 AS SHOWN - 1



**SIGN LEGEND**

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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 5

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 32 OF 146

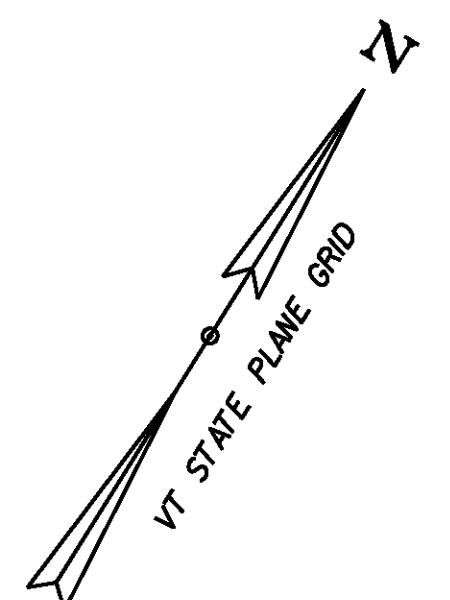
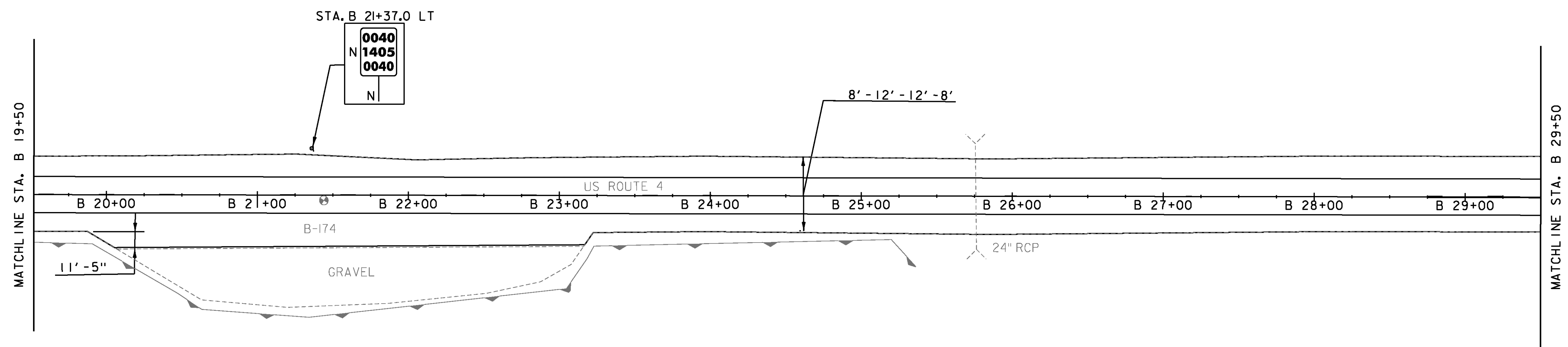
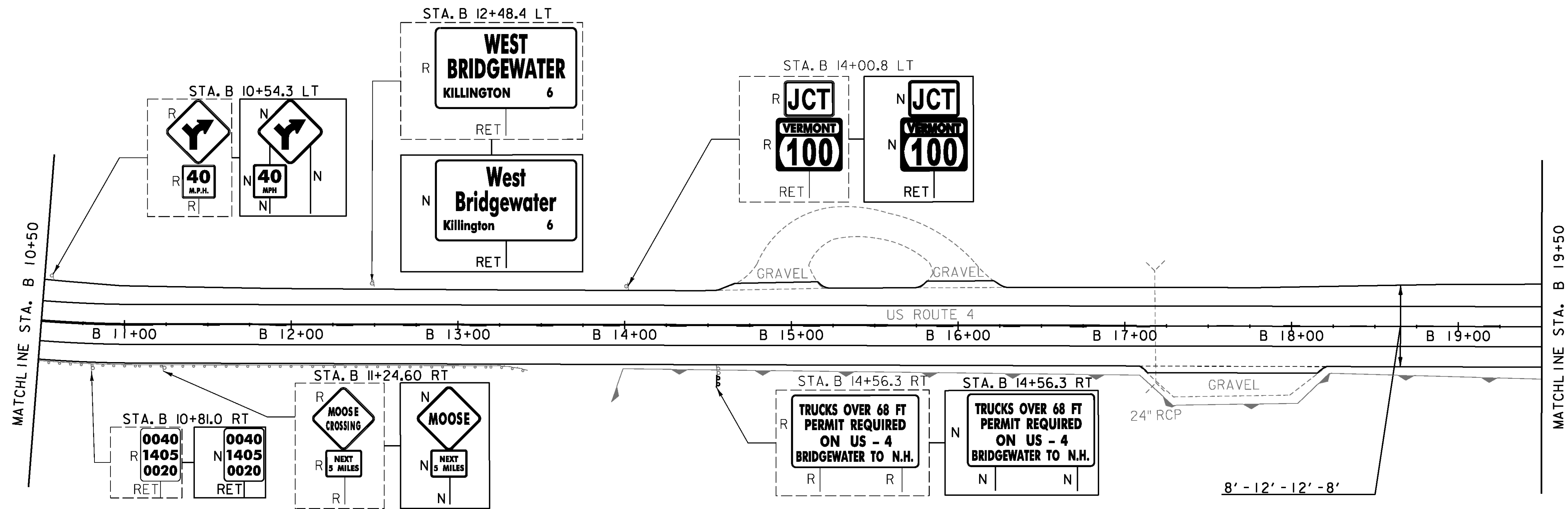
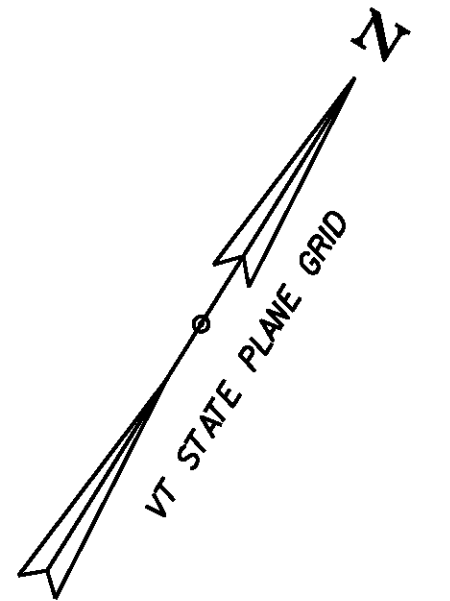
NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 10+50 - B 17+00  
 STA. B 18+00 - B 29+50

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADIUS FOR SIDE ROADS)  
 STA. B 10+50 - B 29+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 10+50 - B 11+07 (SOLID LT & RT)  
 STA. B 11+07 - B 17+07 (SOLID LT & DASHED RT)  
 STA. B 17+07 - B 28+75 (DASHED)  
 STA. B 28+75 - B 29+50 (DASHED LT & SOLID RT)

REMOVING SIGNS  
 AS SHOWN - 9



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 6  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 33 OF 146

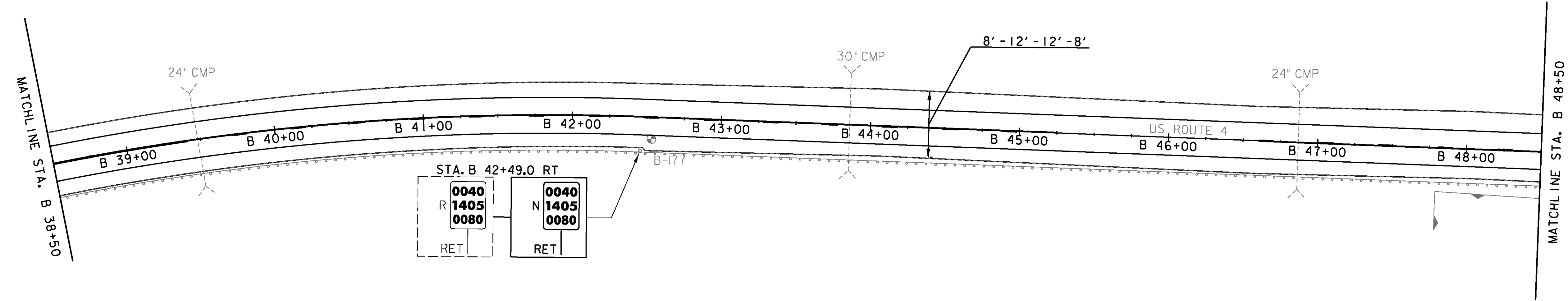
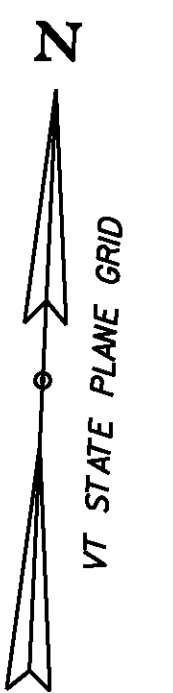
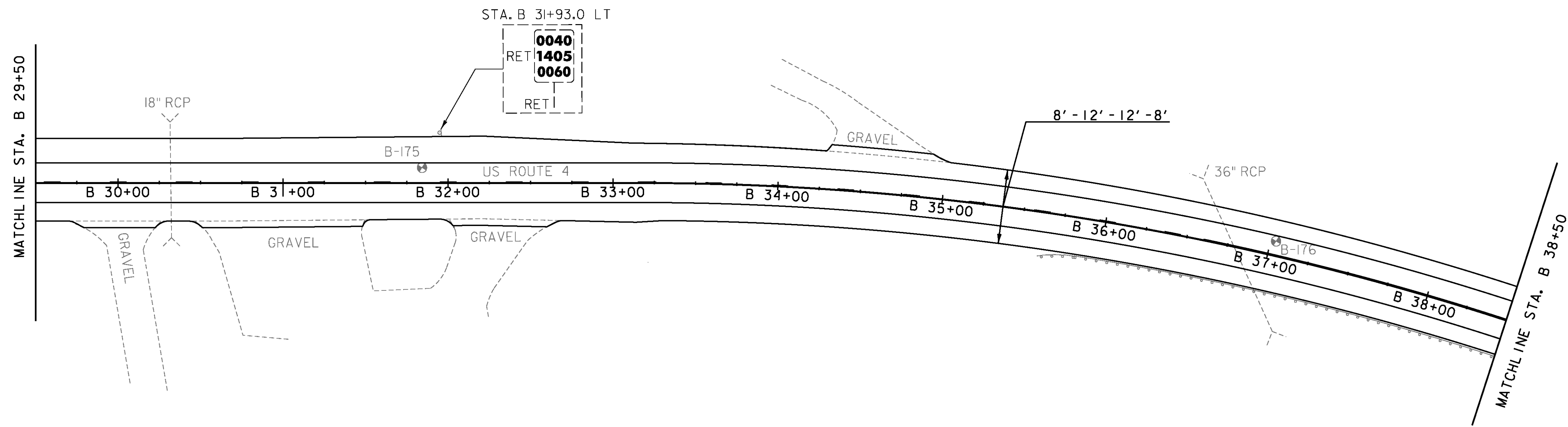
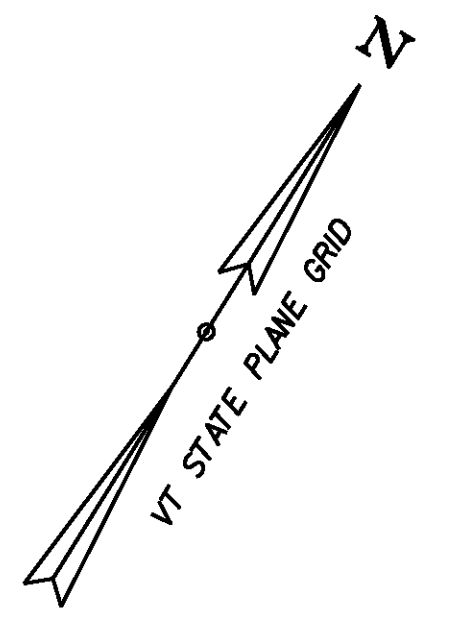
NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. B 29+50 - B 48+50

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADI FOR SIDE ROADS)  
STA. B 29+50 - B 48+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. B 29+50 - B 36+60 (DASHED LT & SOLID RT)  
STA. B 36+60 - B 39+31 (SOLID LT & RT)  
STA. B 39+31 - B 45+25 (SOLID LT & DASHED RT)  
STA. B 45+25 - B 46+61 (DASHED)  
STA. B 46+61 - B 48+50 (DASHED LT & SOLID RT)

REMOVING SIGNS  
AS SHOWN - 1



**SIGN LEGEND**  
R = REMOVE  
R&S = REMOVE AND SALVAGE  
RET = RETAIN  
S = SALVAGED  
N = NEW  
B-B = BACK TO BACK  
--- = EXISTING  
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PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET 7	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	34 OF 146

NOT TO SCALE

**MILLED RUMBLE STRIPS (CENTERLINE)**

STA. B 48+50 - B 57+00  
 STA. B 59+00 - B 68+50

**TEMPORARY 4 INCH WHITE LINE, PAINT**

**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI FOR SIDE ROADS)

STA. B 48+50 - B 68+50 (SOLID LT & RT)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**

**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**

(ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)

STA. B 48+50 - B 53+60 (DASHED LT & SOLID RT)

STA. B 53+60 - B 54+35 (SOLID LT & RT)

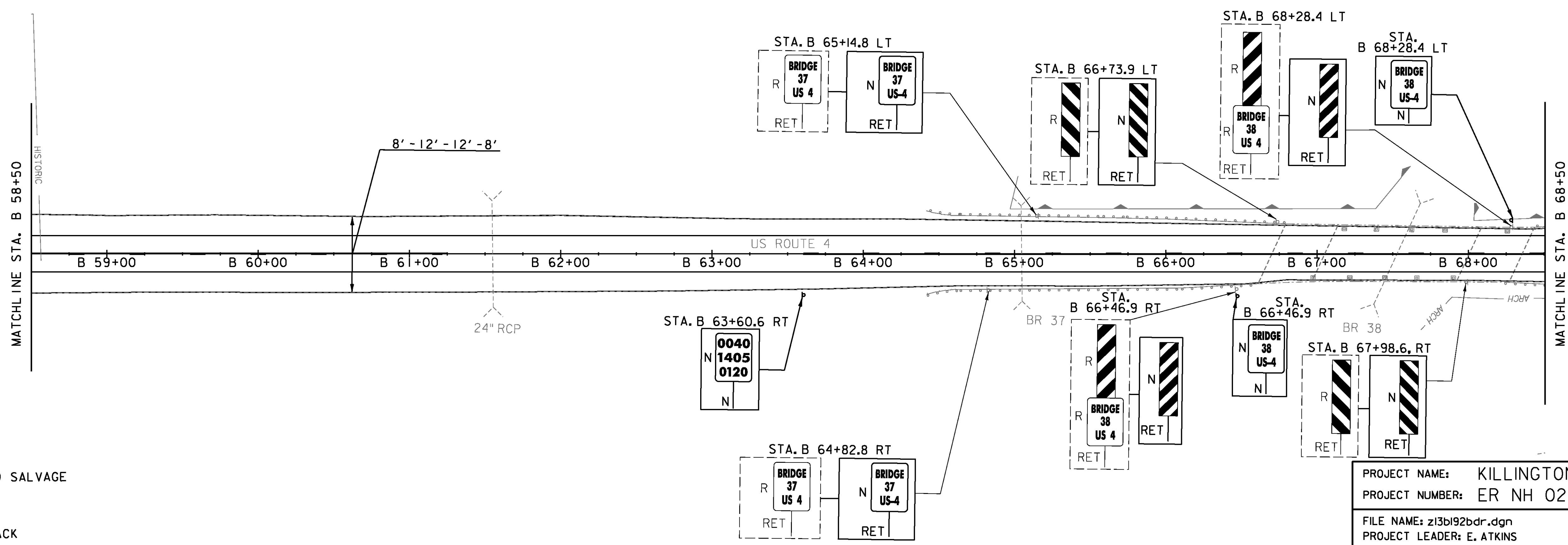
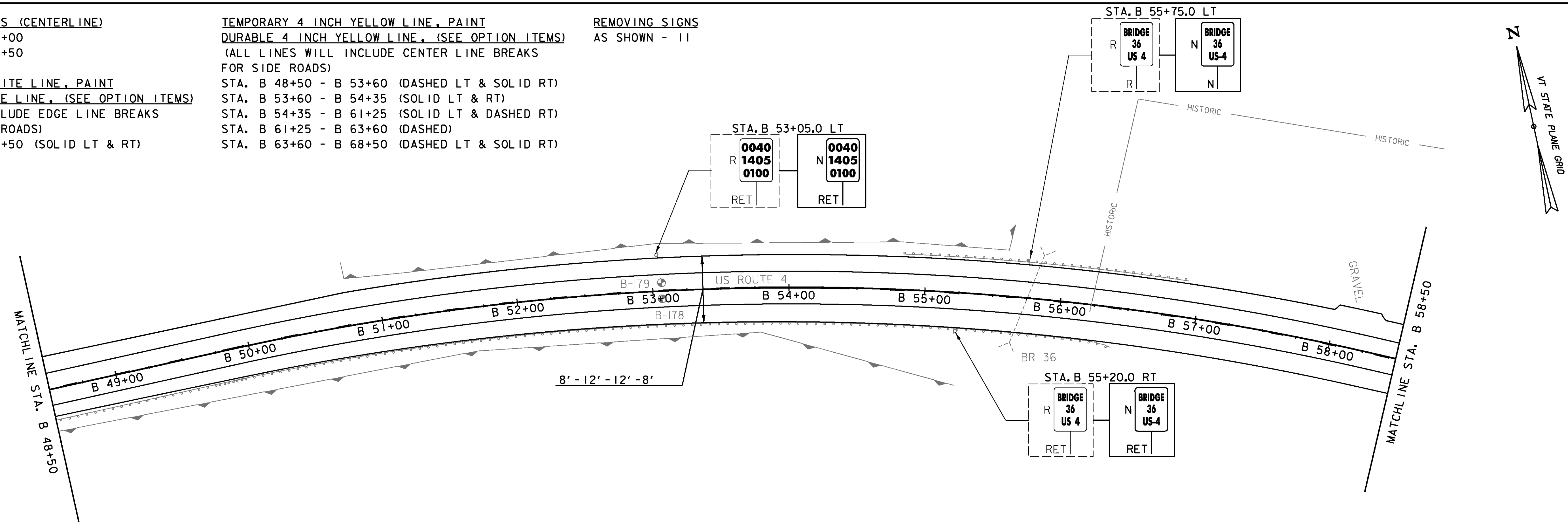
STA. B 54+35 - B 61+25 (SOLID LT & DASHED RT)

STA. B 61+25 - B 63+60 (DASHED)

STA. B 63+60 - B 68+50 (DASHED LT & SOLID RT)

**REMOVING SIGNS**

AS SHOWN - 11



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 8

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 35 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 68+50 - B 69+80  
 STA. B 70+20 - B 83+80  
 STA. B 84+20 - B 84+65

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA. B 81+18.0 LT - B 81+30.5 LT  
 STA. B 82+15.9 LT - B 82+40.9 LT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. B 81+18.0 LT - B 81+30.5 LT  
 STA. B 82+15.9 LT - B 82+40.9 LT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 68+50 - B 84+65 (SOLID LT & RT)

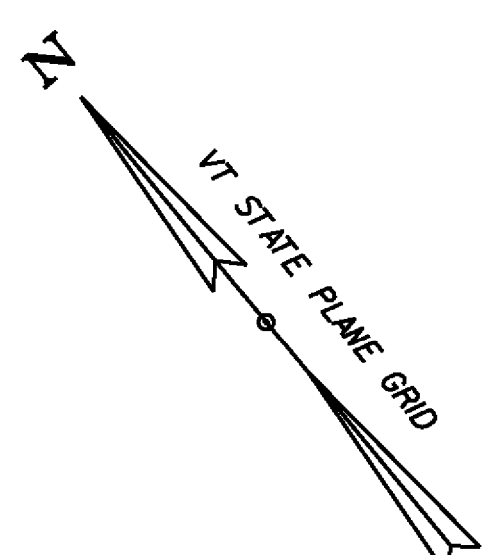
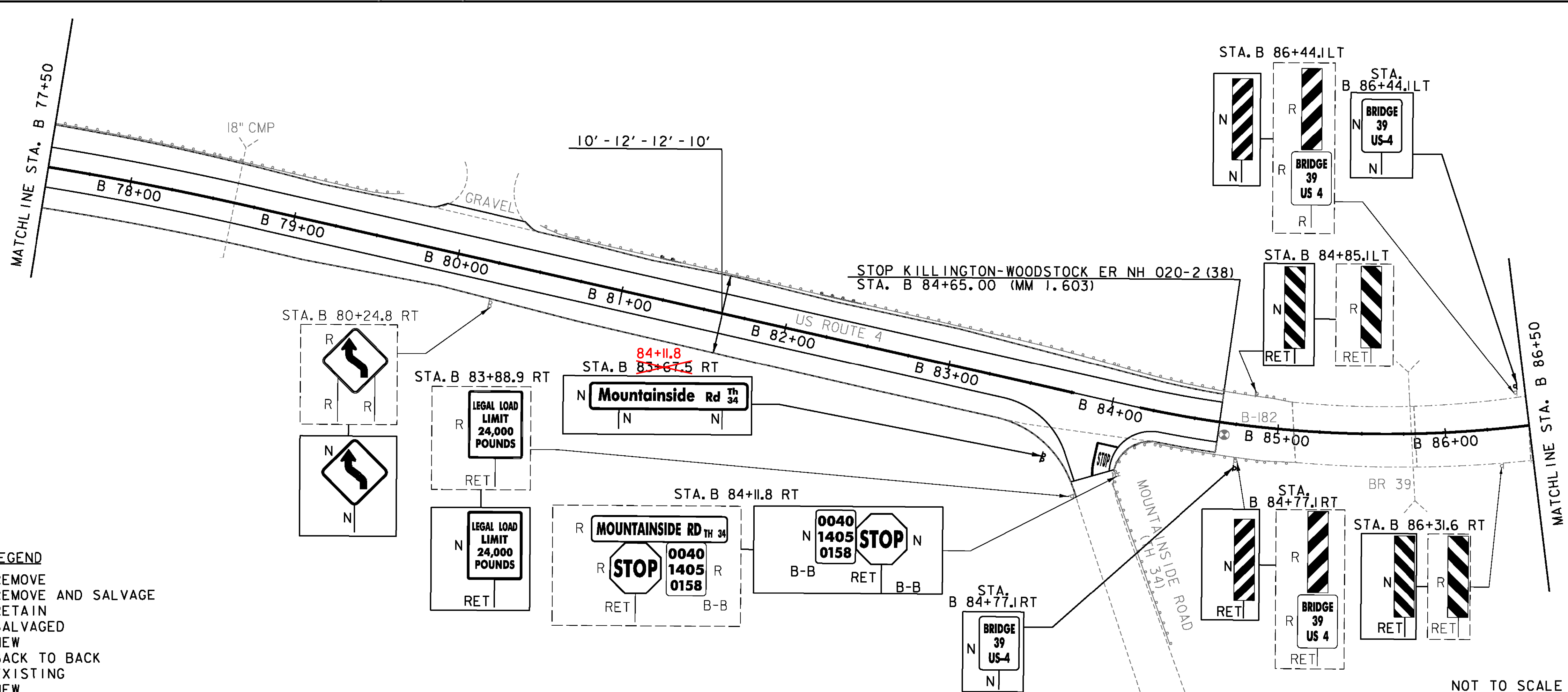
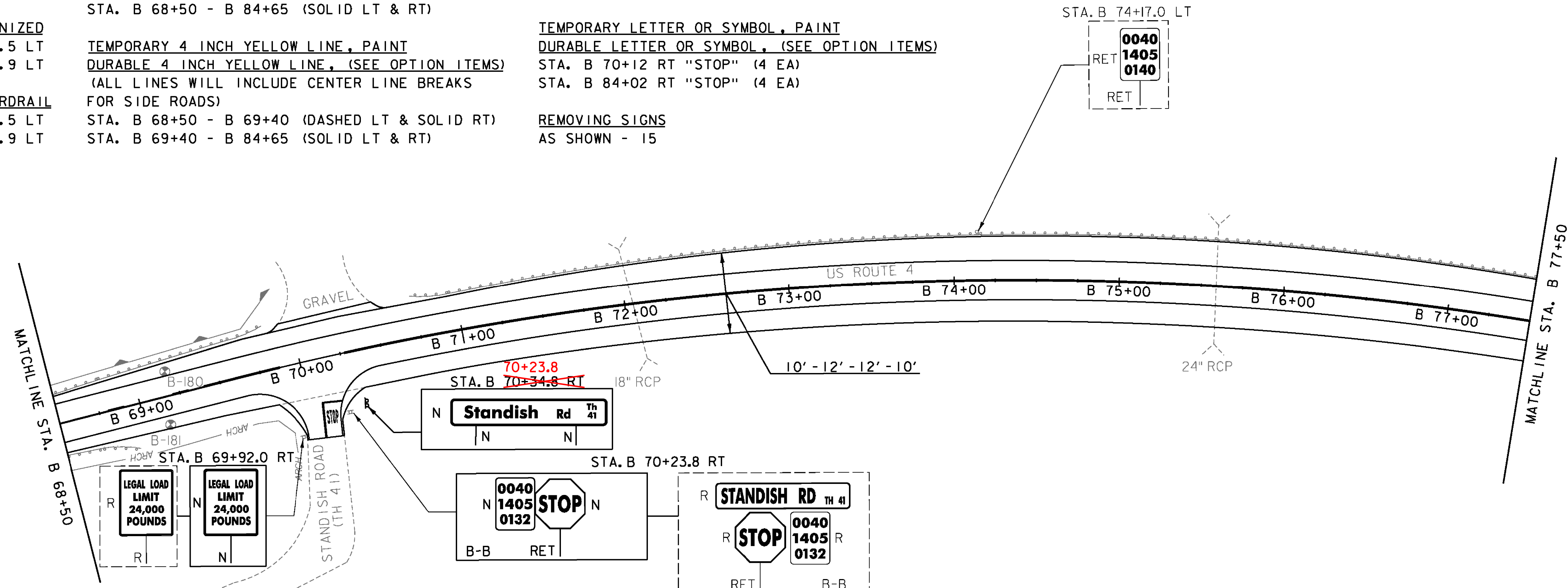
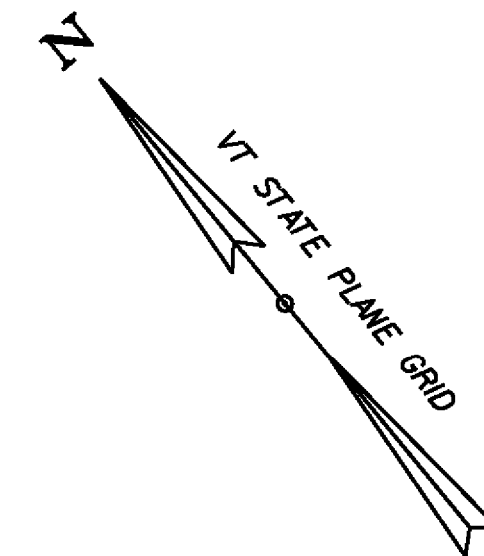
TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)

STA. B 68+50 - B 69+40 (DASHED LT & SOLID RT)  
 STA. B 69+40 - B 84+65 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 70+12 RT  
 STA. B 84+02 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 70+12 RT "STOP" (4 EA)  
 STA. B 84+02 RT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 15



**SIGN LEGEND**  
 R = REMOVE  
 R&S = REMOVE AND SALVAGE  
 RET = RETAIN  
 S = SALVAGED  
 N = NEW  
 B-B = BACK TO BACK  
 --- = EXISTING  
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PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 9  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 36 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 86+95 - B 93+30  
 STA. B 93+70 - B 105+50

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA. B 93+79.3 RT - B 94+01.5 RT

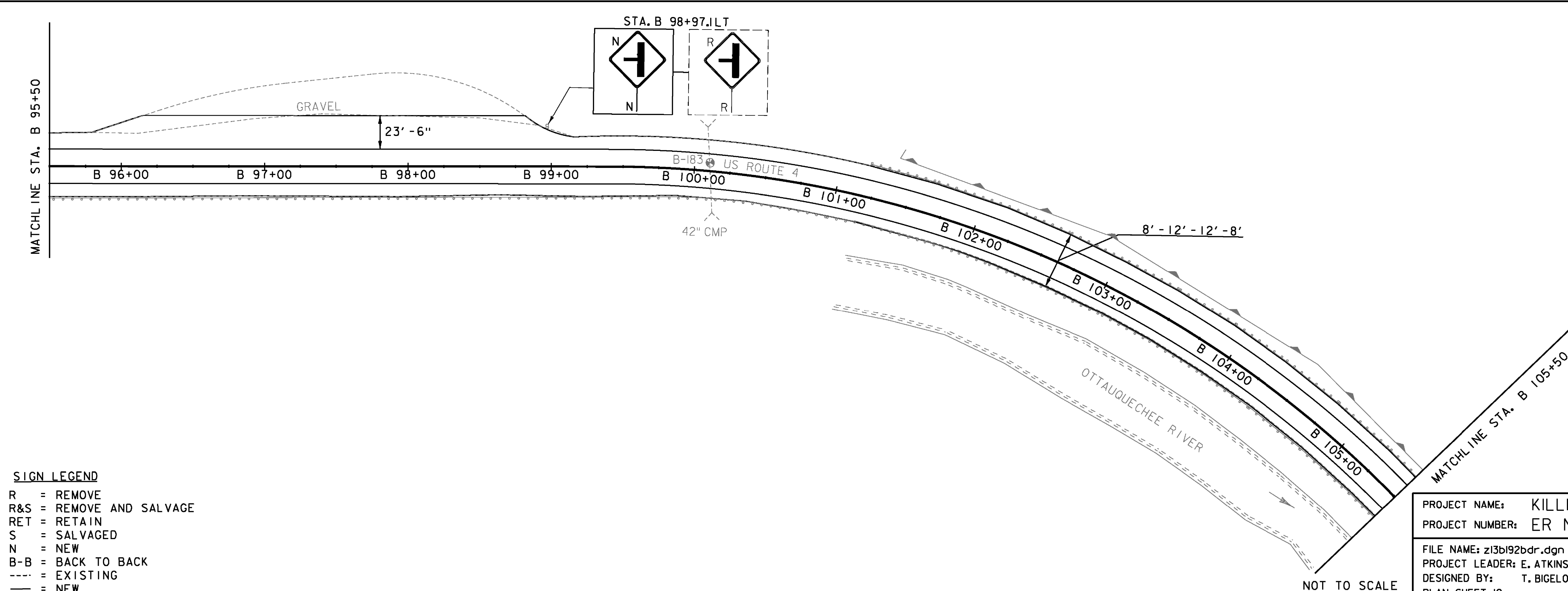
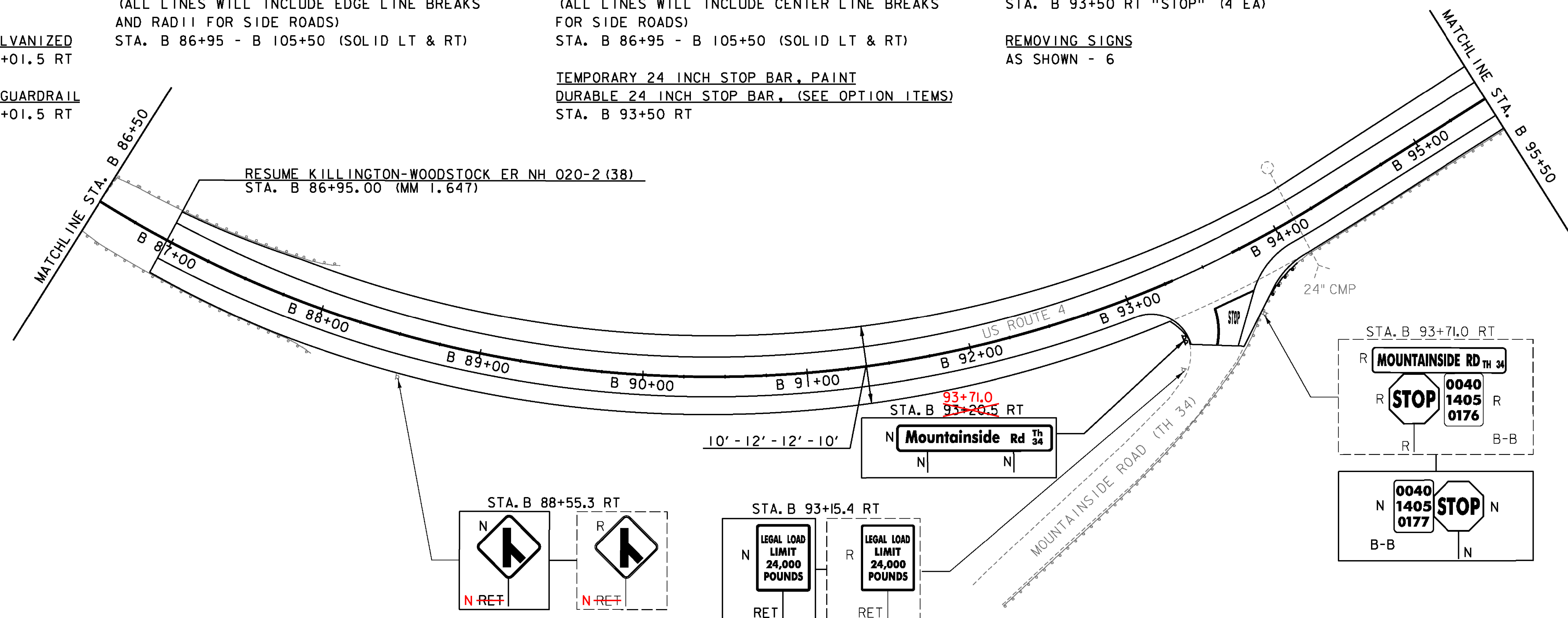
REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. B 93+79.3 RT - B 94+01.5 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 86+95 - B 105+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 86+95 - B 105+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 93+50 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 93+50 RT "STOP" (4 EA)  
 REMOVING SIGNS  
 AS SHOWN - 6



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 10

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 37 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 105+50 - B 109+00  
 STA. B 124+00 - B 124+50

DELINEATOR WITH STEEL POST  
 STA. B 109+55 LT

REPLACE GUARDRAIL POST ASSEMBLY  
 STA. B 109+55 LT

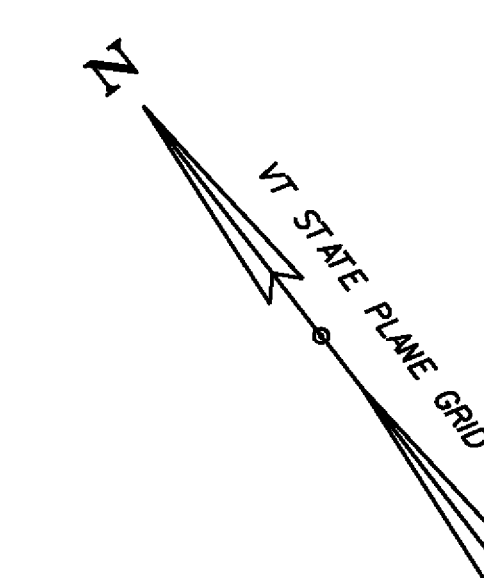
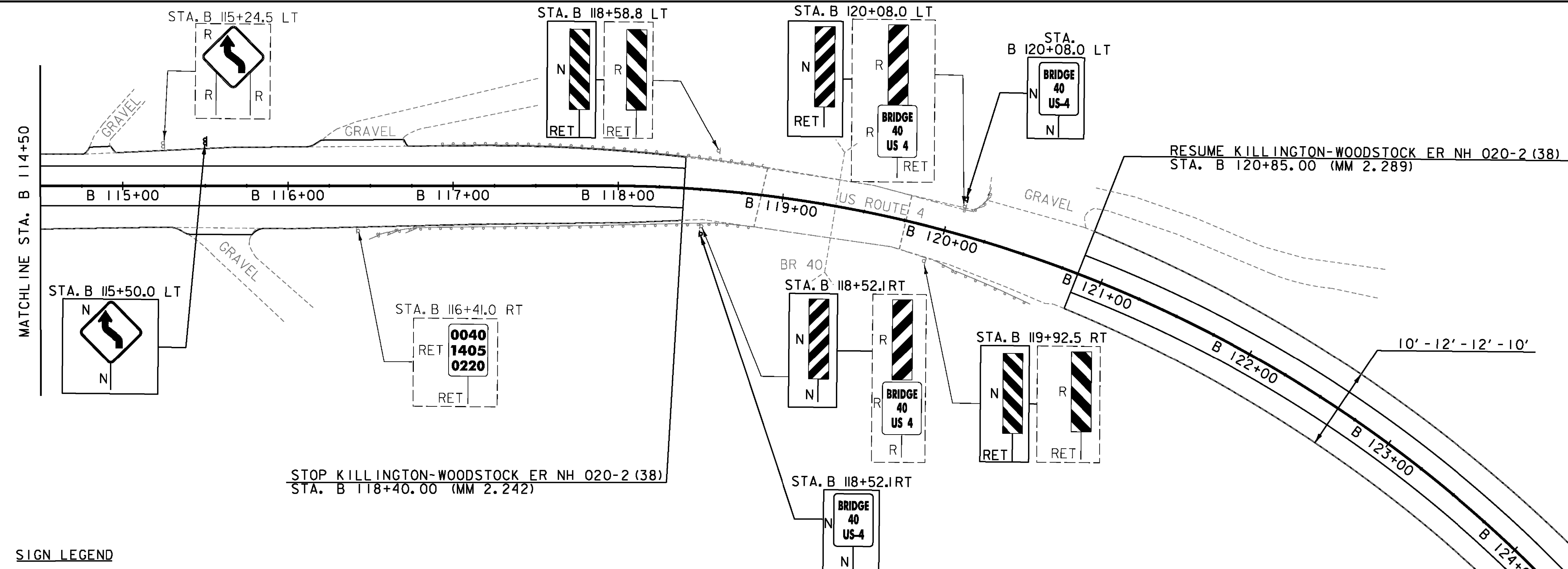
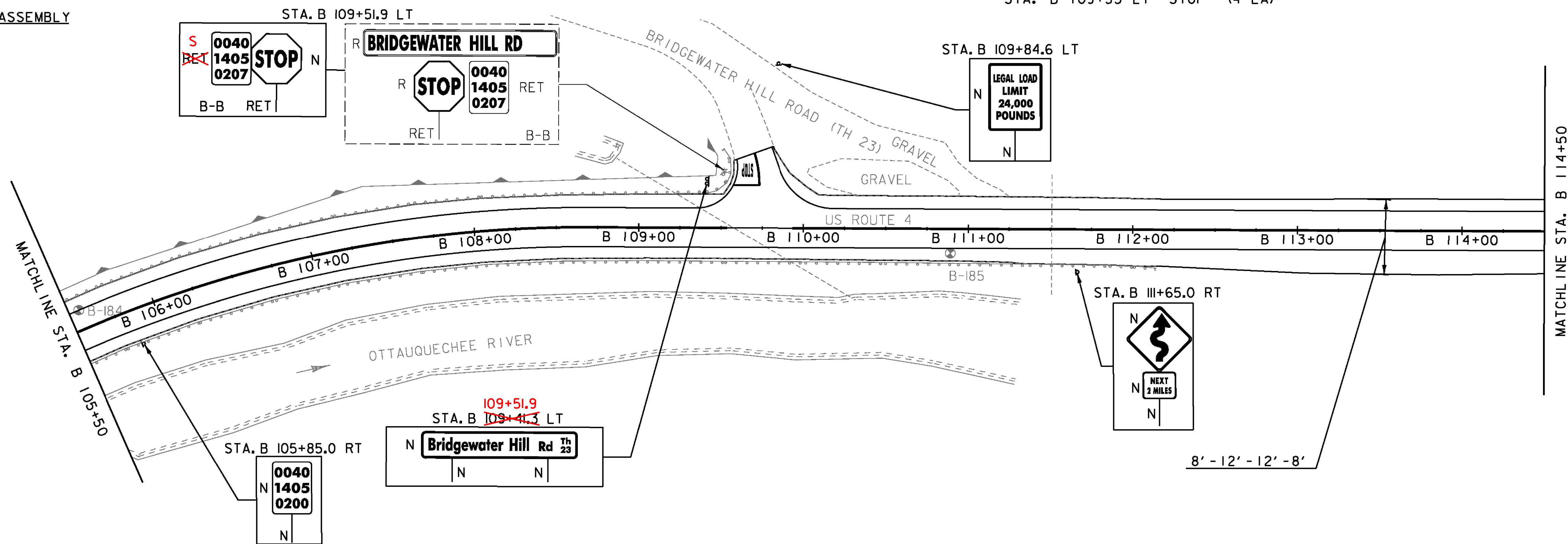
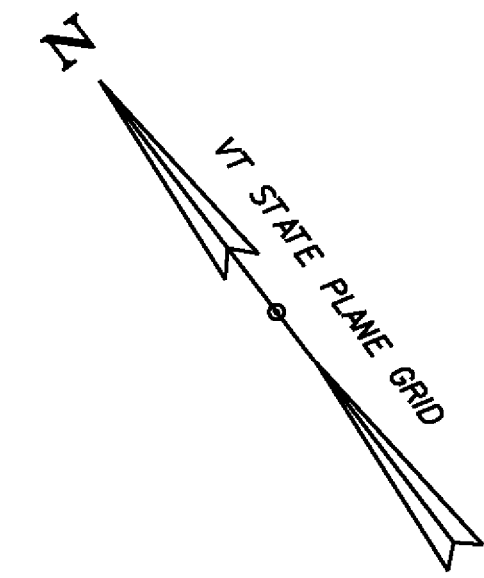
TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 105+50 - B 118+40 (SOLID LT & RT)  
 STA. B 120+85 - B 124+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 105+50 - B 118+40 (SOLID LT & RT)  
 STA. B 120+85 - B 124+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 109+55 LT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 109+55 LT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 9



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

NOT TO SCALE

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET II	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	38 OF 146

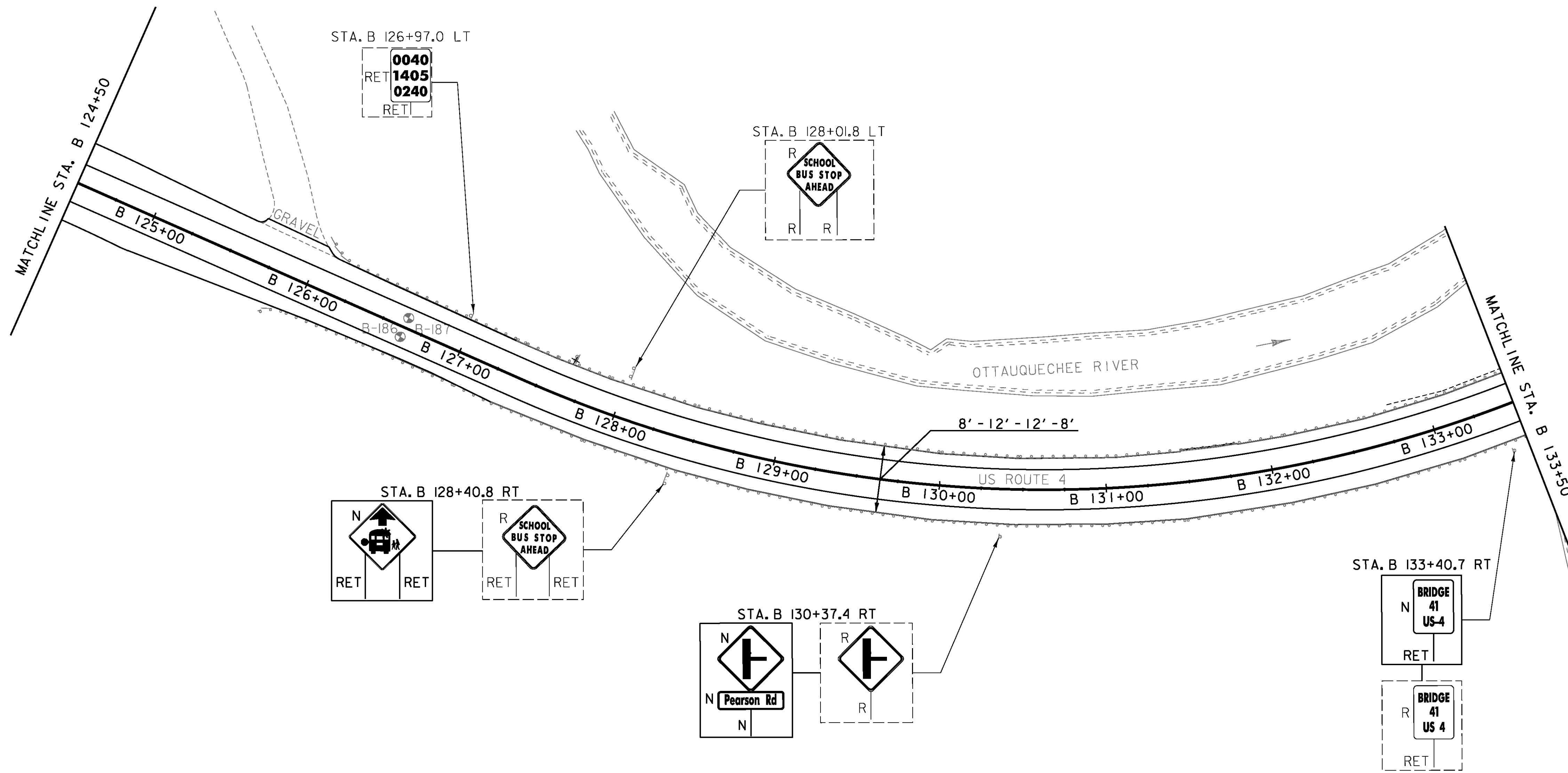
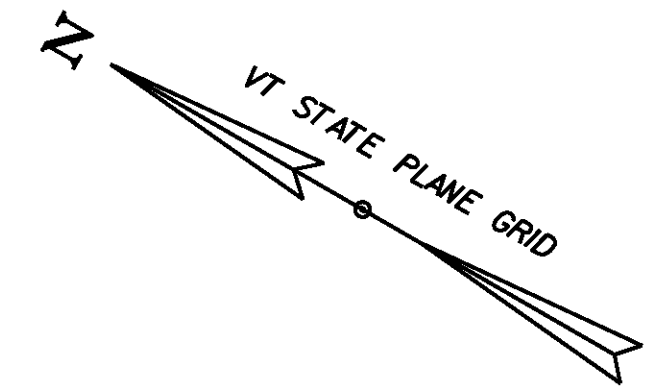
MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 124+50 - B 133+50

REMOVAL OF EXISTING CURB  
 STA. B 127+55 LT - B 131+45 LT

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADI1 FOR SIDE ROADS)  
 STA. B 124+50 - B 133+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 124+50 - B 133+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 4



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

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME: z13bi92bdr.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW/S. MUSTO	CHECKED BY: ATKINS/SOBEL
PLAN SHEET 12	SHEET 39 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)

STA. B 133+50 - B 134+00  
STA. B 139+00 - B 143+50

STEEL BEAM GUARDRAIL, GALVANIZED

STA. B 142+25.8 LT - B 143+19.5 LT

MANUFACTURED TERMINAL SECTION, FLARED

STA. B 143+19.5 LT - B 143+50.0 LT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. B 142+25.8 LT - B 143+50.0 LT

TEMPORARY 4 INCH WHITE LINE, PAINT

DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS)

STA. B 133+50 - B 143+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT

DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)

(ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)

STA. B 133+50 - B 143+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT

DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)

STA. B 134+80 RT

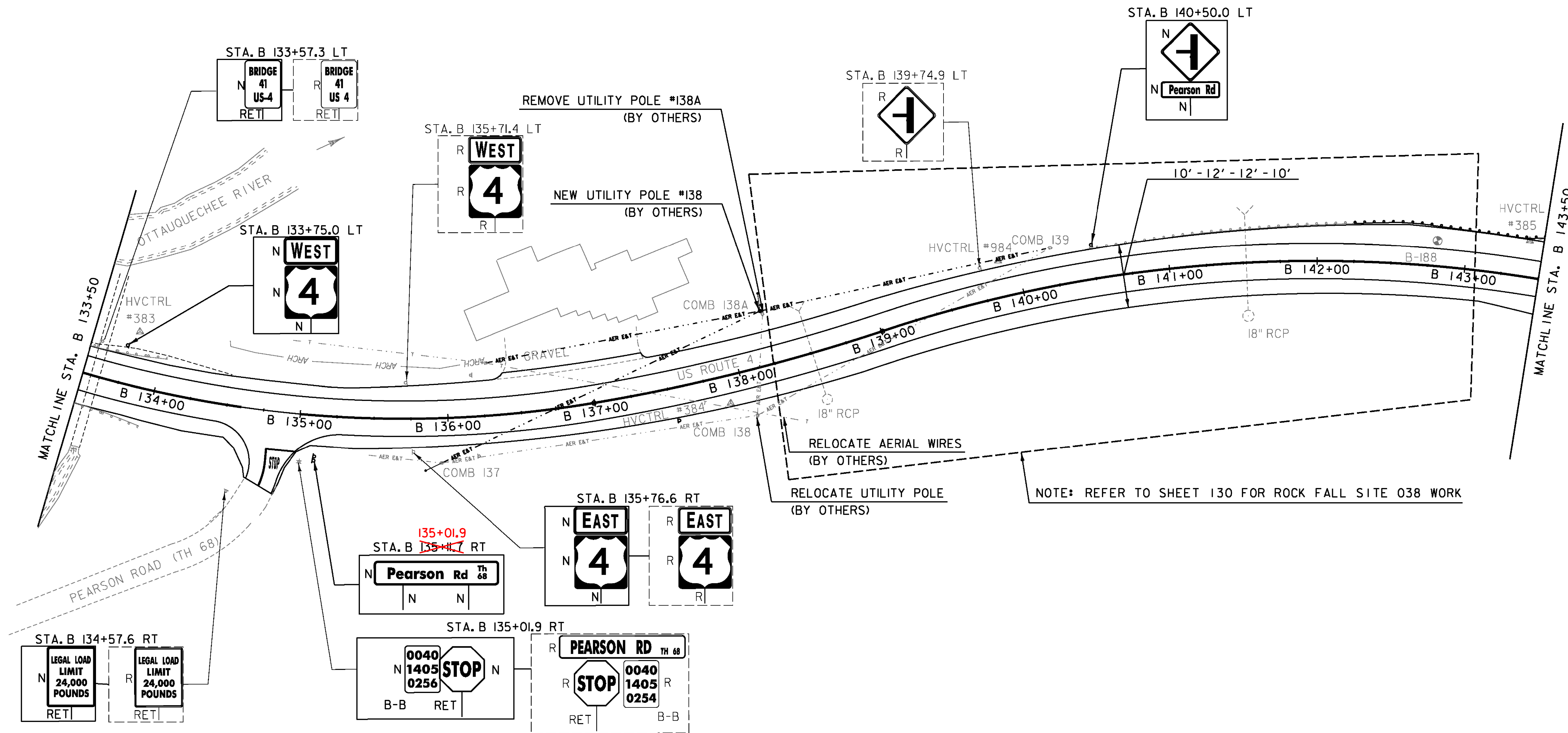
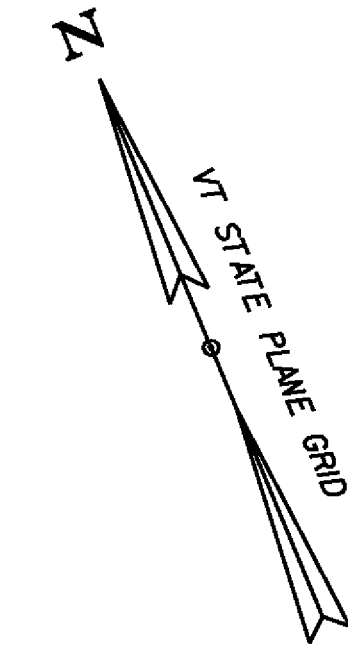
TEMPORARY LETTER OR SYMBOL, PAINT

DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)

STA. B 134+80 RT "STOP" (4 EA)

REMOVING SIGNS

AS SHOWN - 10



NOTE: REFER TO SHEET 130 FOR ROCK FALL SITE 038 WORK

SIGN LEGEND

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET 13	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	40 OF 146

NOT TO SCALE

**MILLED RUMBLE STRIPS (CENTERLINE)**

STA. B 143+50 - B 149+85  
STA. B 152+40 - B 156+00

**REMOVE AND RESET GUARDRAIL**

STA. B 158+73.1 LT - B 158+98.1 LT

**STEEL BEAM GUARDRAIL, GALVANIZED**

STA. B 146+87.5 LT - B 147+50.0 LT

**MANUFACTURED TERMINAL SECTION, FLARED**

STA. B 143+50.0 LT - B 143+57.0 LT  
STA. B 146+50.0 LT - B 146+87.5 LT

**REMOVAL AND DISPOSAL OF GUARDRAIL**

STA. B 143+50.0 LT - B 143+57.0 LT  
STA. B 146+50.0 LT - B 147+50.0 LT

**TEMPORARY 4 INCH WHITE LINE, PAINT**

**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)

STA. B 143+50 - B 149+85 (SOLID LT & RT)  
STA. B 152+40 - B 163+50 (SOLID LT & RT)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**

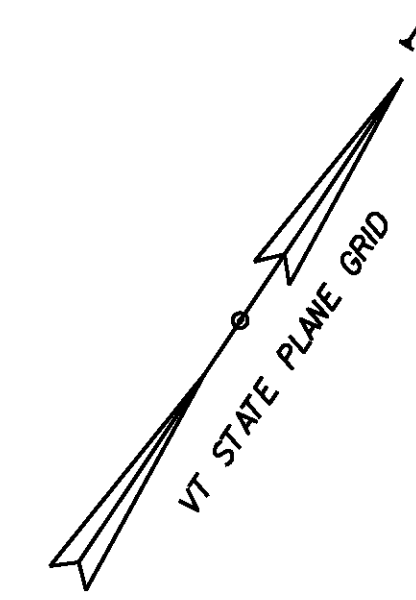
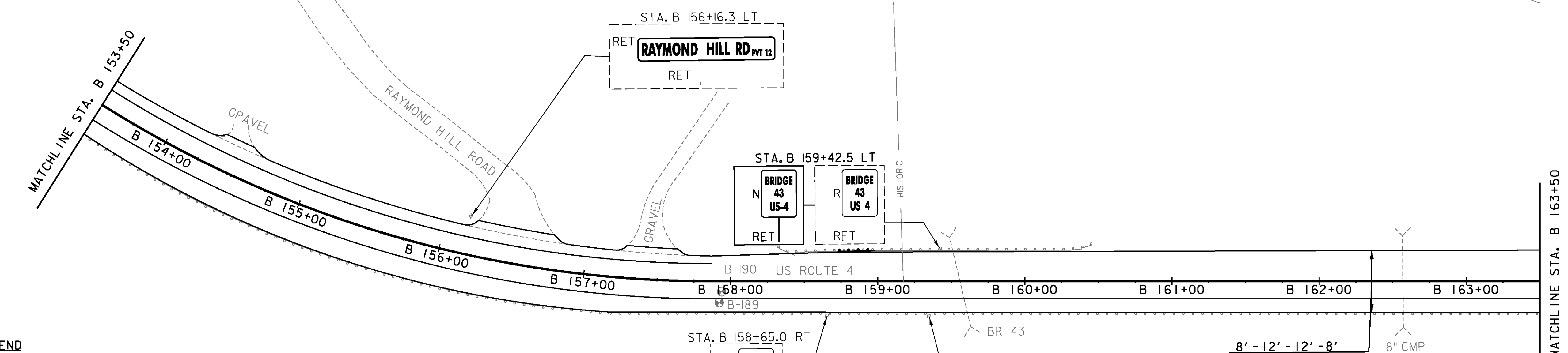
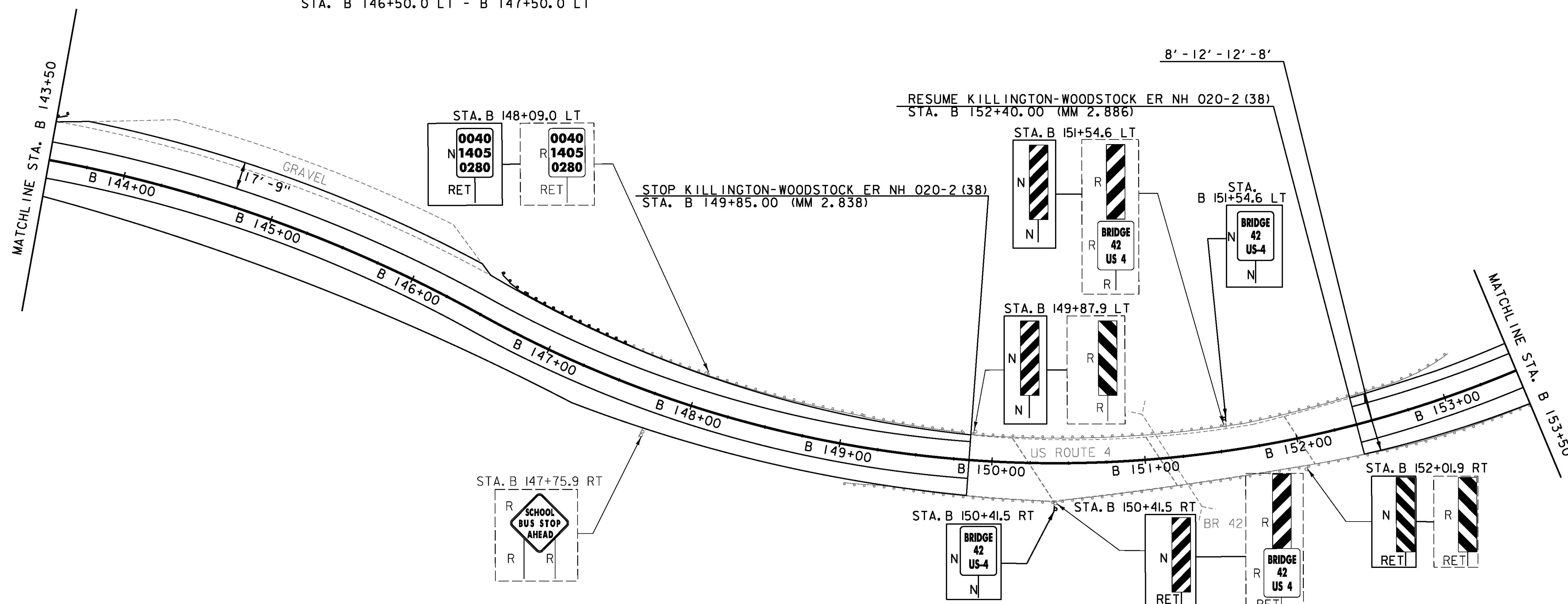
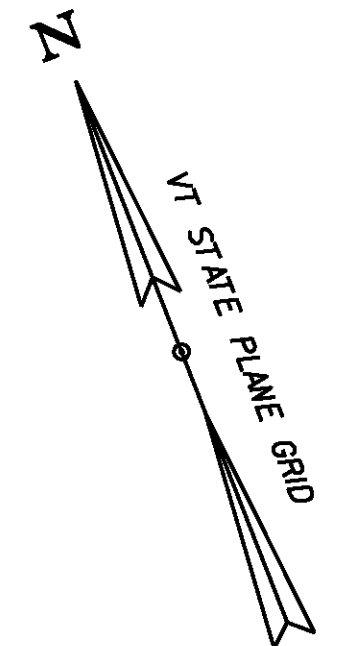
**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**

(ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)

STA. B 143+50 - B 149+85 (SOLID LT & RT)  
STA. B 152+40 - B 163+50 (SOLID LT & RT)

**REMOVING SIGNS**

AS SHOWN - 10



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLAN SHEET 14

PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 41 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 166+00 - B 175+80  
 STA. B 176+20 - B 183+50

MANUFACTURED TERMINAL SECTION, FLARED  
 STA. B 179+00.0 RT - B 179+37.5 RT

REMOVE AND RESET GUARDRAIL  
 STA. B 180+75.0 RT - B 181+75.0 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. B 179+00.0 RT - B 179+37.5 RT

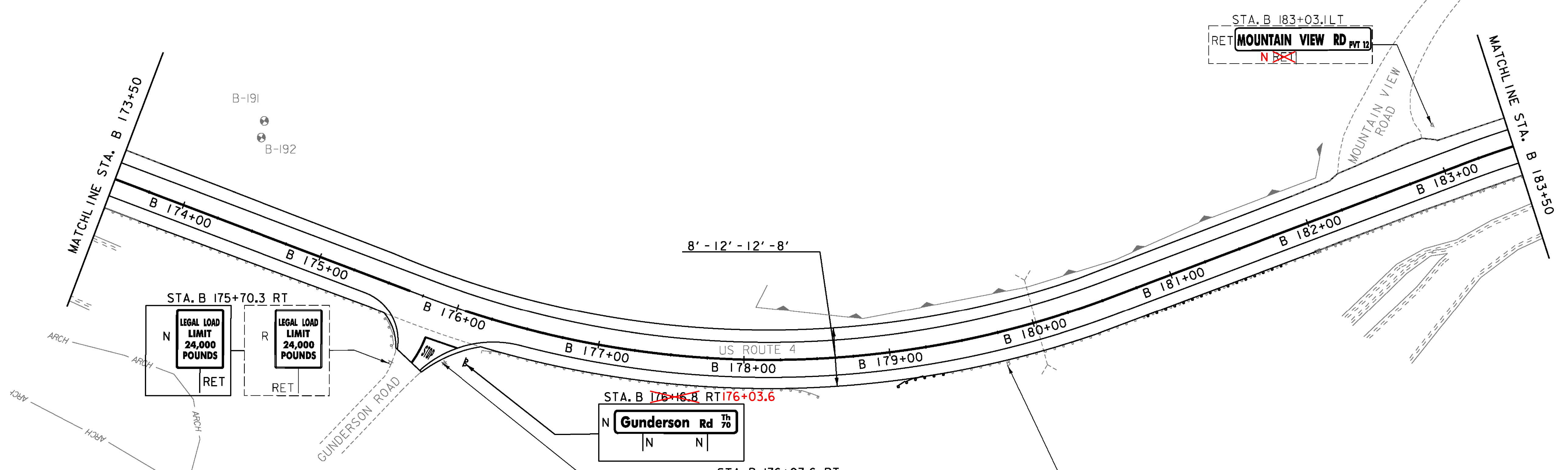
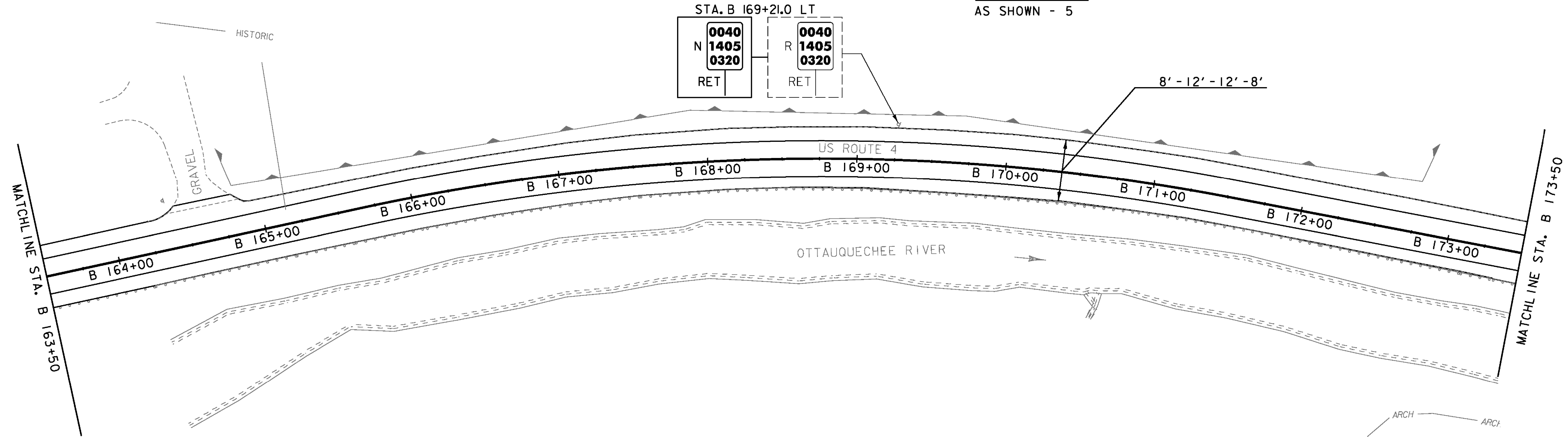
TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 163+50 - B 183+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 163+50 - B 183+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 175+97 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 175+91 RT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 5



**SIGN LEGEND**

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- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 15

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 42 OF 146

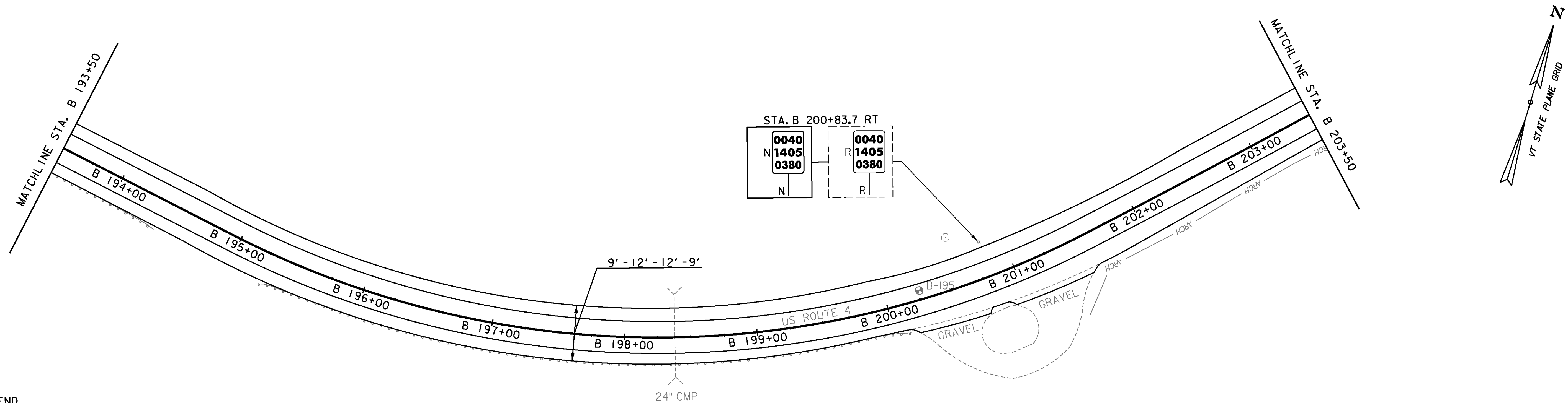
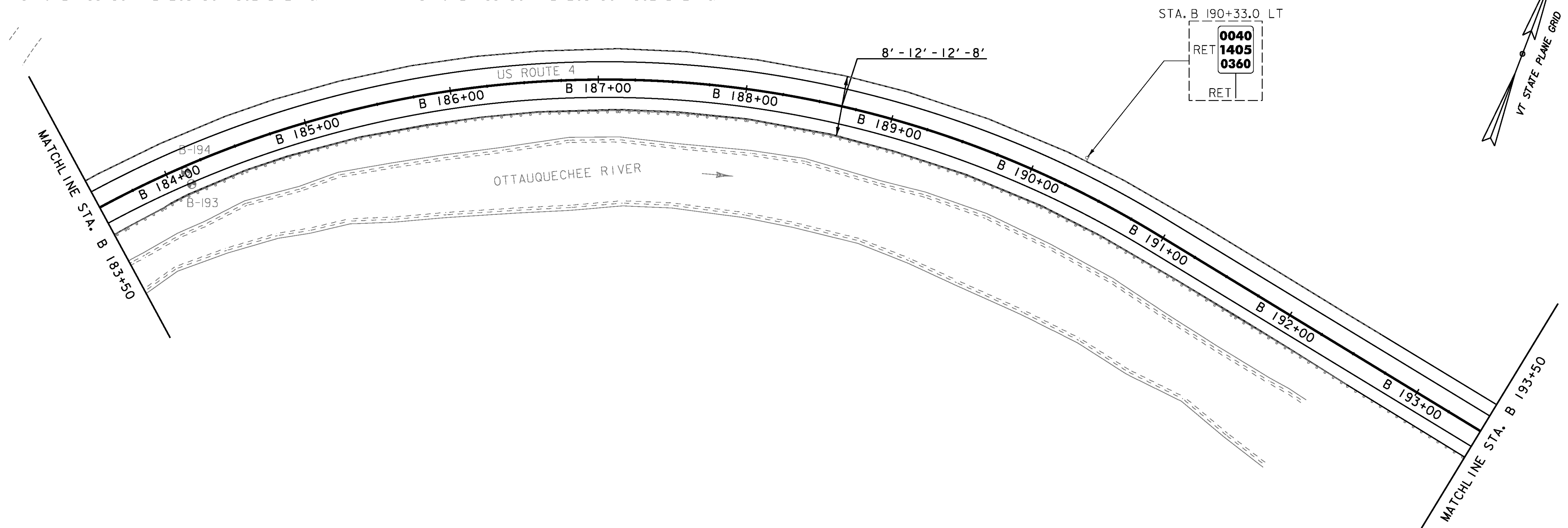
NOT TO SCALE

**MILLED RUMBLE STRIPS (CENTERLINE)**  
 STA. B 183+50 - B 200+00  
 STA. B 202+00 - B 203+50

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 183+50 - B 203+50 (SOLID LT & RT)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**  
**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 183+50 - B 203+50 (SOLID LT & RT)

**REMOVING SIGNS**  
 AS SHOWN - 1



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 16

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 43 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)

STA. B 203+50 - B 210+55  
 STA. B 210+95 - B 222+50

TEMPORARY 24 INCH STOP BAR, PAINT

DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 210+60 LT

TEMPORARY LETTER OR SYMBOL, PAINT

DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 210+59 LT "STOP" (4 EA)

TEMPORARY 4 INCH WHITE LINE, PAINT

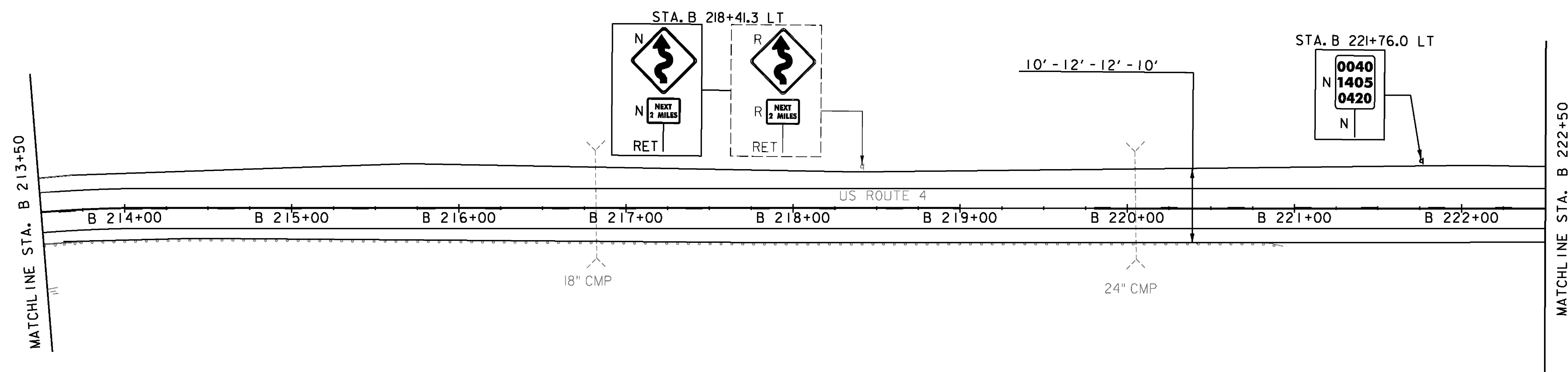
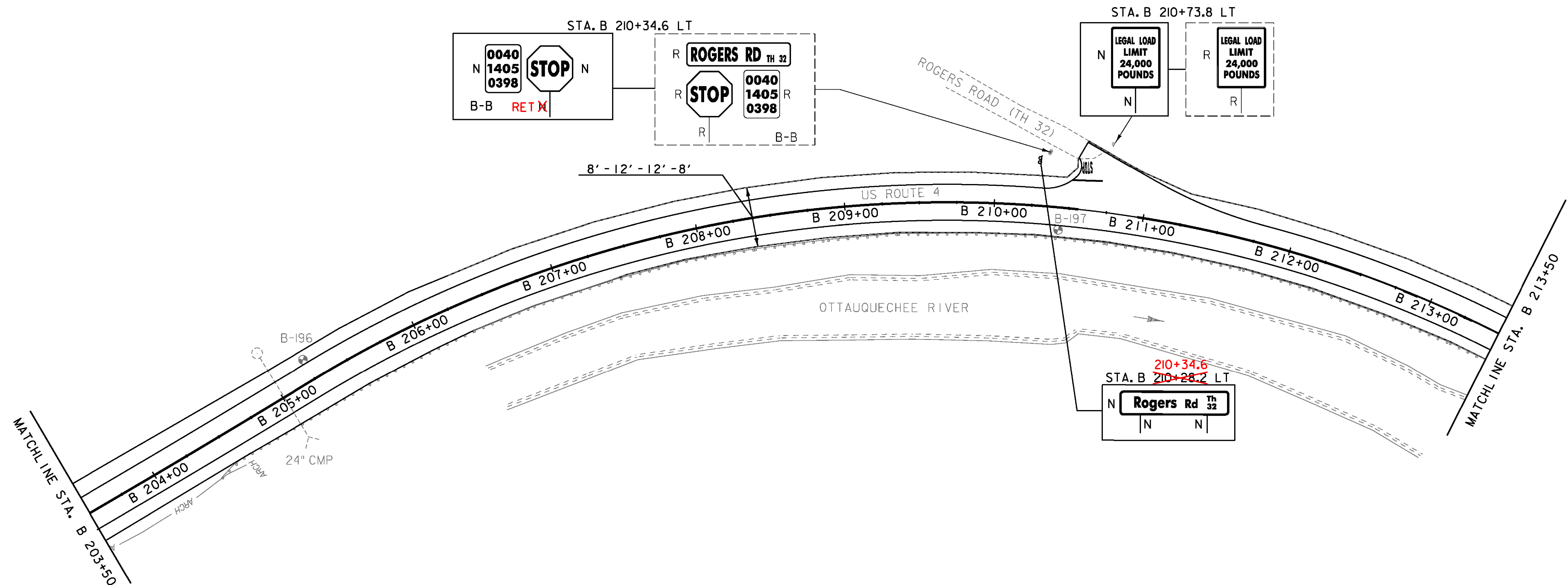
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 203+50 - B 222+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT

DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 203+50 - B 212+41 (SOLID LT & RT)  
 STA. B 212+41 - B 219+00 (SOLID LT & DASHED RT)  
 STA. B 219+00 - B 219+80 (DASHED)  
 STA. B 219+80 - B 222+50 (DASHED LT & SOLID RT)

REMOVING SIGNS

AS SHOWN - 6



SIGN LEGEND

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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 17

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 44 OF 146

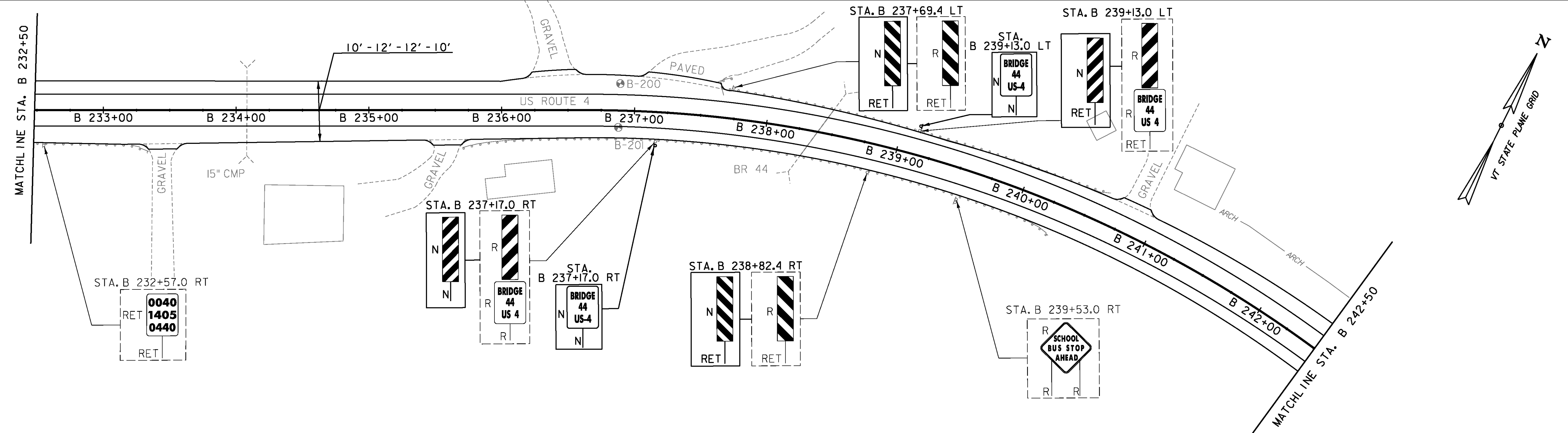
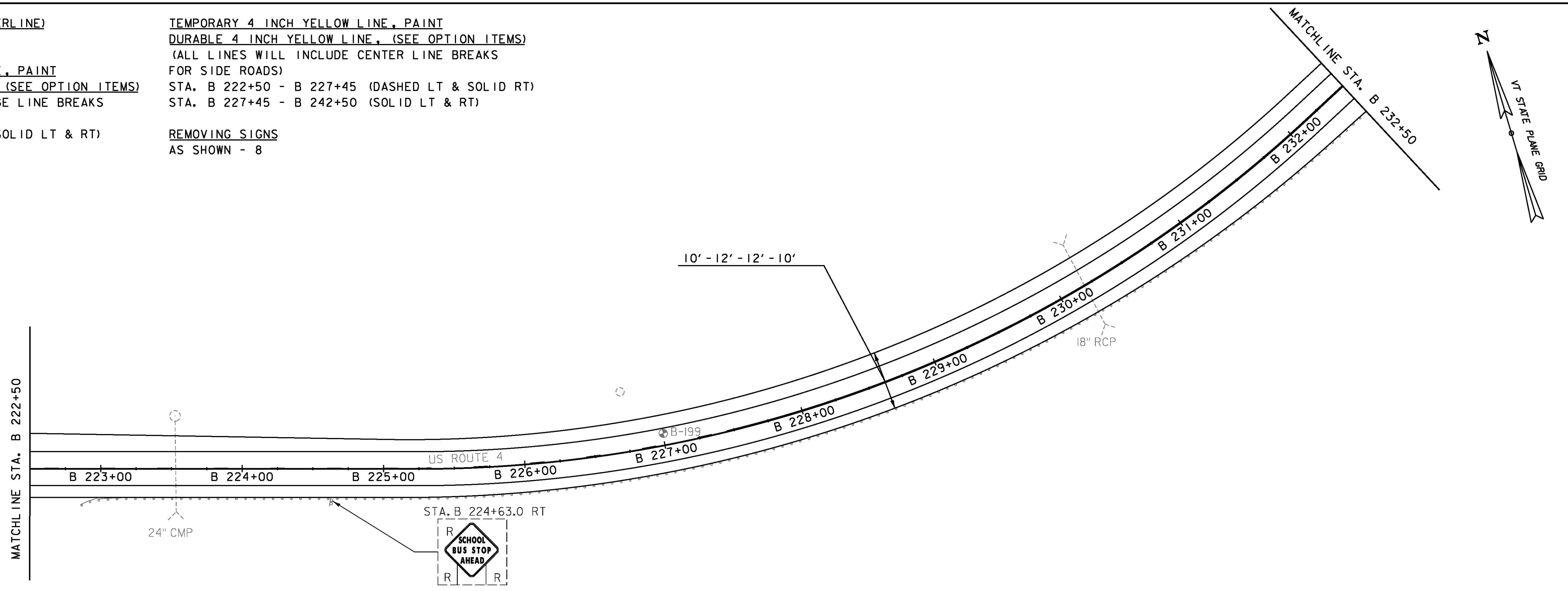
NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. B 222+50 - B 233+00

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADI FOR SIDE ROADS)  
STA. B 222+50 - B 242+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. B 222+50 - B 227+45 (DASHED LT & SOLID RT)  
STA. B 227+45 - B 242+50 (SOLID LT & RT)

REMOVING SIGNS  
AS SHOWN - 8



**SIGN LEGEND**

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

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET 18	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	45 OF 146

NOT TO SCALE

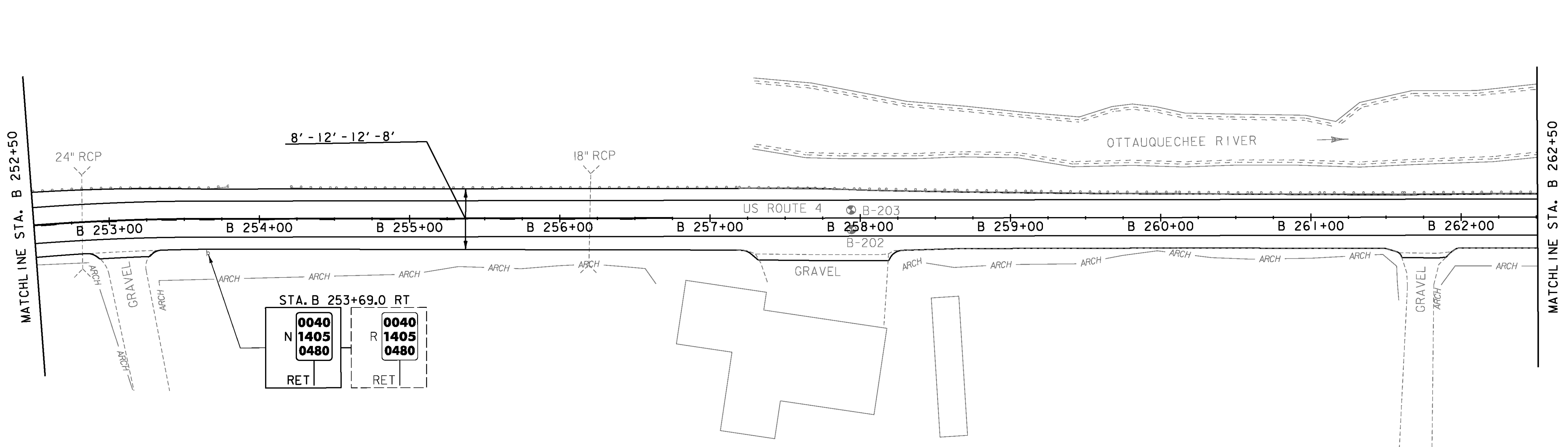
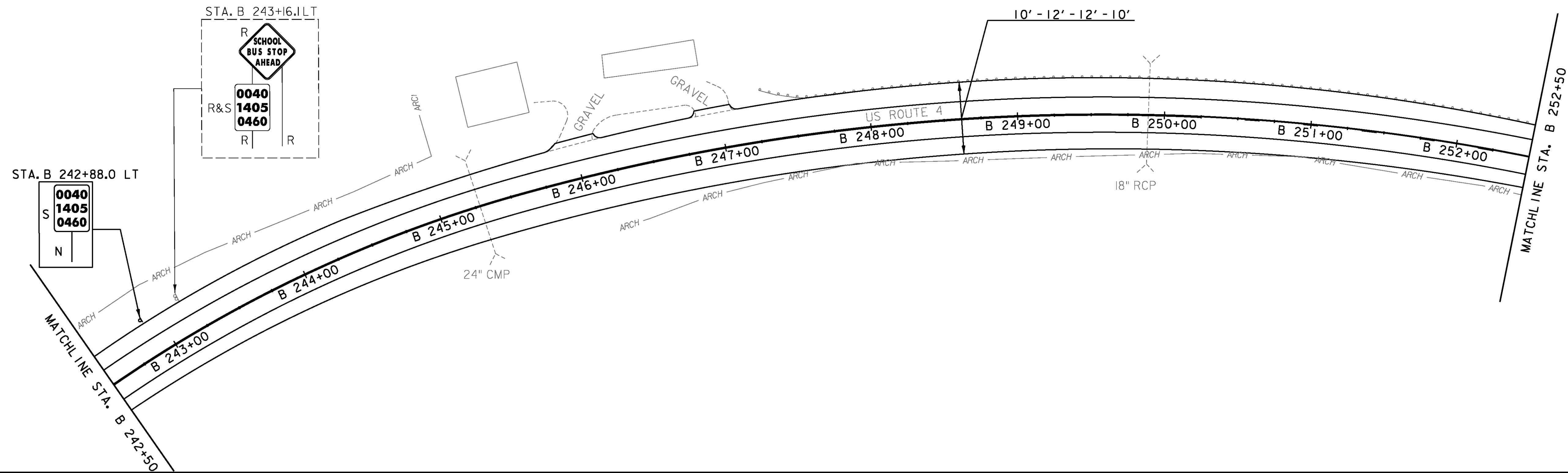
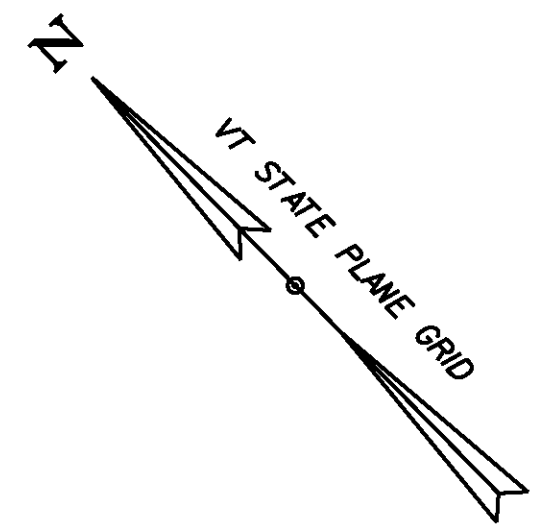
**MILLED RUMBLE STRIPS (CENTERLINE)**  
 STA. B 248+00 - B 256+00  
 STA. B 259+00 - B 262+50

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADIUS FOR SIDE ROADS)  
 STA. B 242+50 - B 262+50 (SOLID LT & RT)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**  
**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 242+50 - B 250+15 (SOLID LT & RT)  
 STA. B 250+15 - B 256+75 (SOLID LT & DASHED RT)  
 STA. B 256+75 - B 262+50 (DASHED)

**REMOVING SIGNS**  
 AS SHOWN - 3

**ERECTING SALVAGED SIGNS**  
 AS SHOWN - 1



**SIGN LEGEND**

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- N = NEW
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PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92bdr.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW/S. MUSTO	CHECKED BY: ATKINS/SOBEL
PLAN SHEET 19	SHEET 46 OF 146

NOT TO SCALE

**MILLED RUMBLE STRIPS (CENTERLINE)**  
 STA. B 262+50 - B 279+00  
 STA. B 281+00 - B 282+50

**MANUFACTURED TERMINAL SECTION, FLARED**  
 STA. B 279+19.7 LT - B 279+57.2 LT  
 STA. B 280+64.3 LT - B 281+01.8 LT

**REMOVAL AND DISPOSAL OF GUARDRAIL**  
 STA. B 267+56.6 LT - B 269+99.7 LT  
 STA. B 279+19.7 LT - B 279+57.2 LT  
 STA. B 280+64.3 LT - B 281+01.8 LT

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)  
 STA. B 262+50 - B 282+50 (SOLID LT & RT)

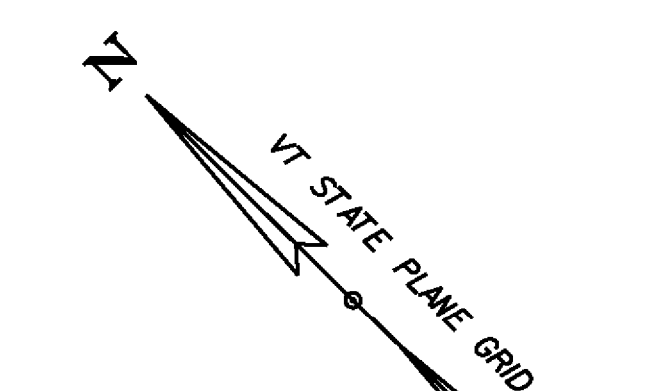
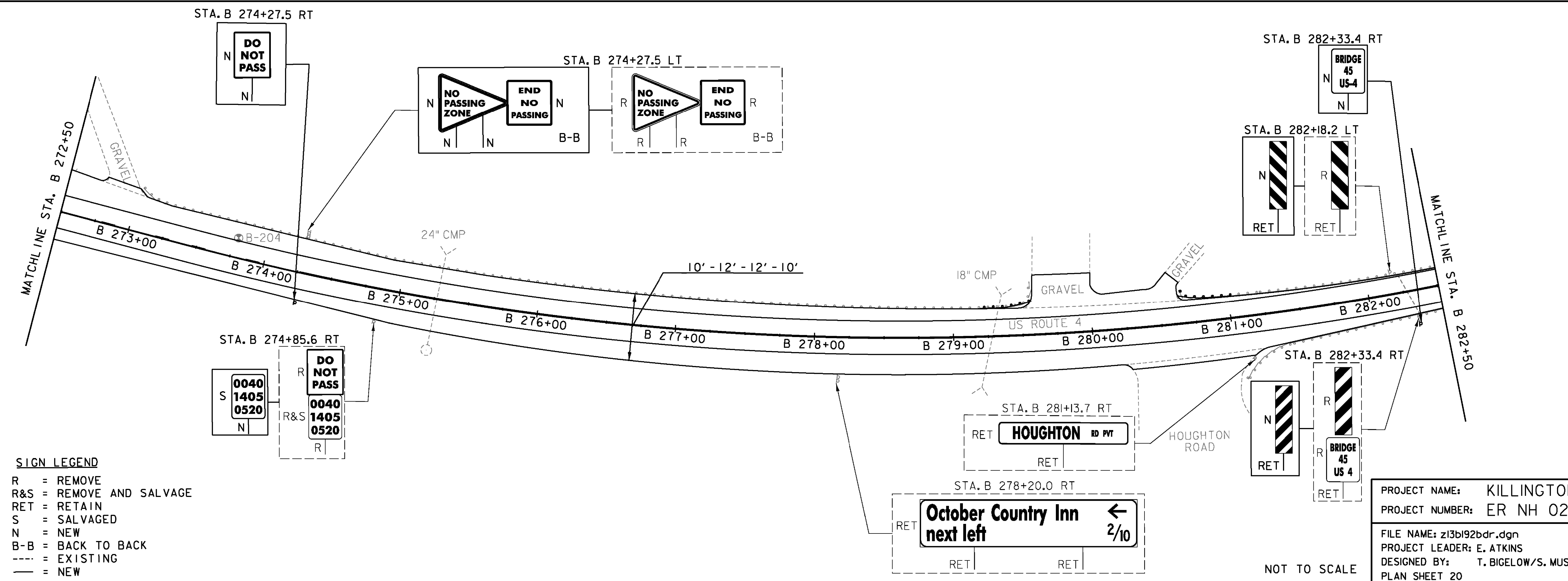
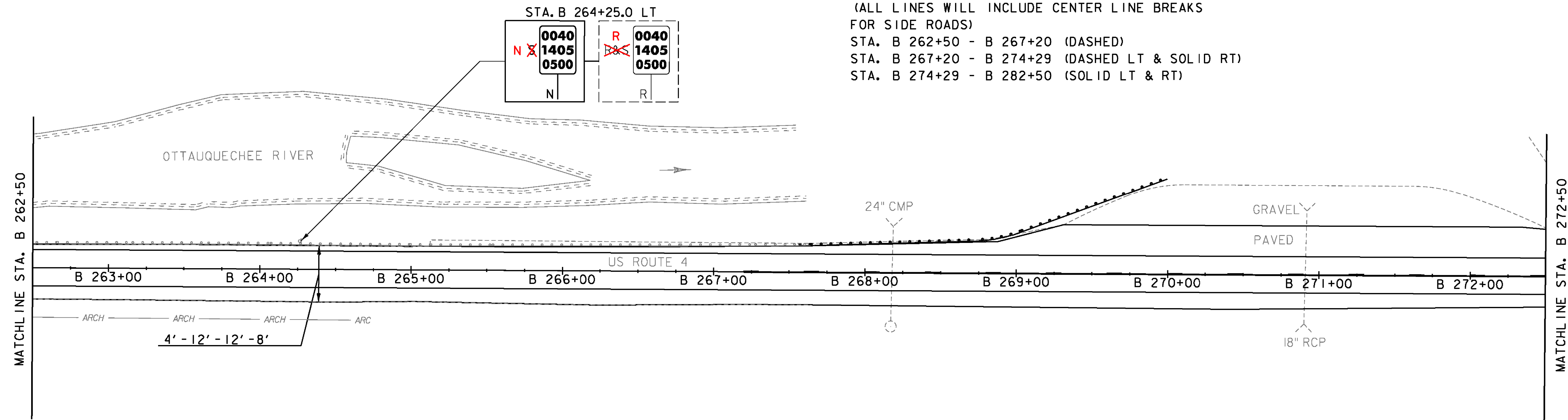
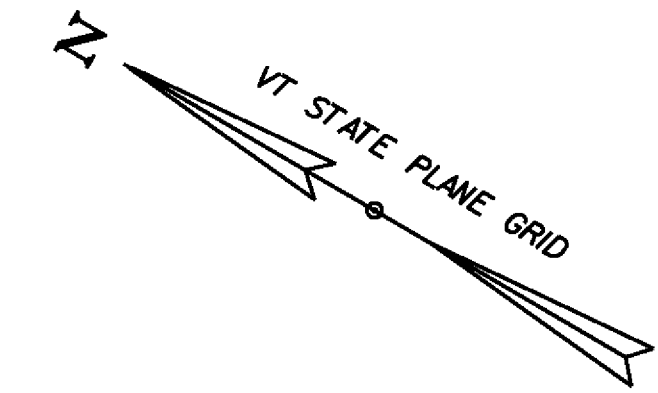
**REMOVING SIGNS**  
 AS SHOWN - 8

**ERECTING SALVAGED SIGNS**  
 AS SHOWN - 2

**STEEL BEAM GUARDRAIL, GALVANIZED**  
 STA. B 267+56.6 LT - B 269+99.7 LT

**ANCHOR FOR STEEL BEAM RAIL**  
 STA. B 269+99.7 LT

**TEMPORARY 4 INCH YELLOW LINE, PAINT**  
**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)  
 STA. B 262+50 - B 267+20 (DASHED)  
 STA. B 267+20 - B 274+29 (DASHED LT & SOLID RT)  
 STA. B 274+29 - B 282+50 (SOLID LT & RT)



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 20  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 47 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. B 282+50 - B 287+00

TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
STA. B 288+12 LT

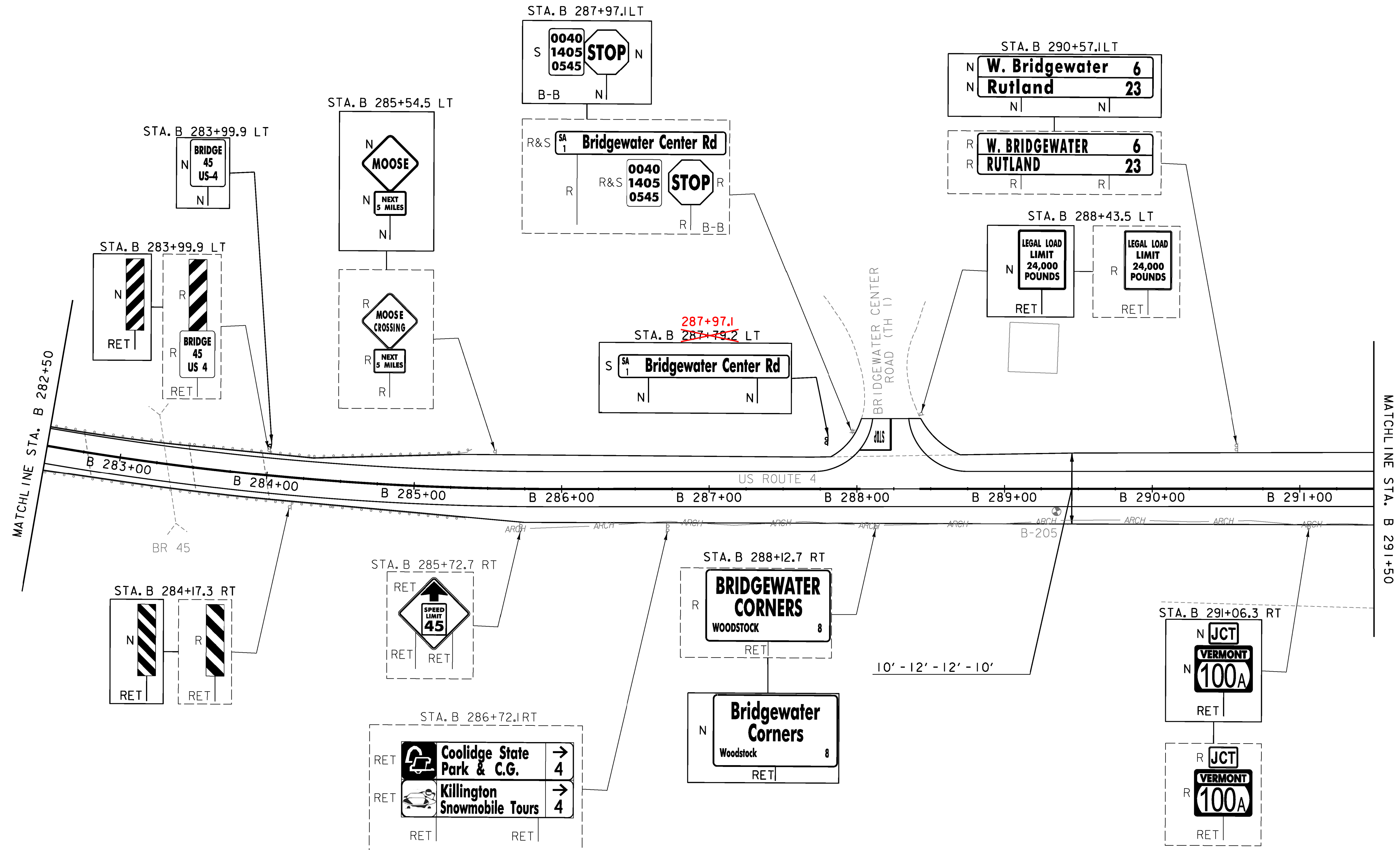
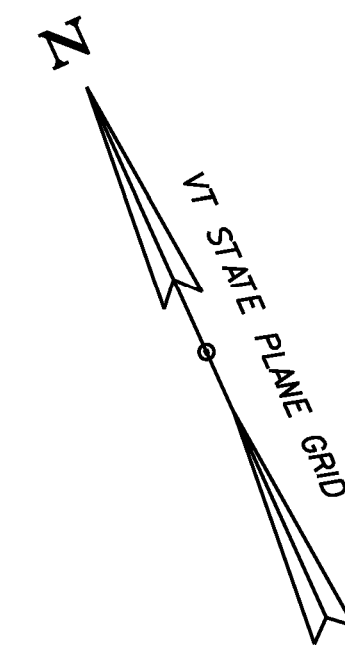
TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
STA. B 288+15 LT "STOP" (4 EA)

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADII FOR SIDE ROADS)  
STA. B 282+50 - B 291+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. B 282+50 - B 291+50 (SOLID LT & RT)

REMOVING SIGNS  
AS SHOWN - 14

ERECTING SALVAGED SIGNS  
AS SHOWN - 2



**SIGN LEGEND**

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- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLAN SHEET 21

PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 48 OF 146

NOT TO SCALE

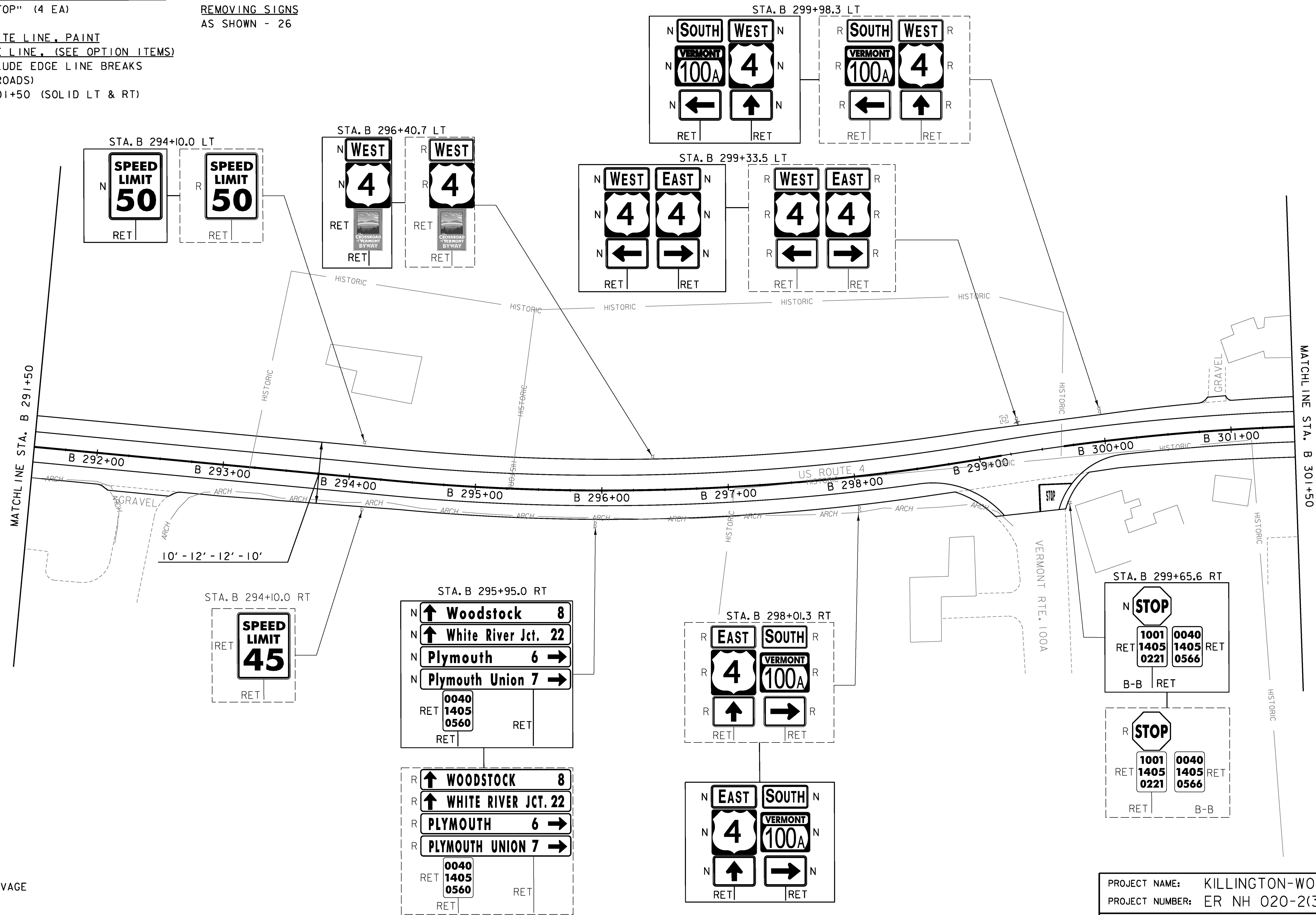
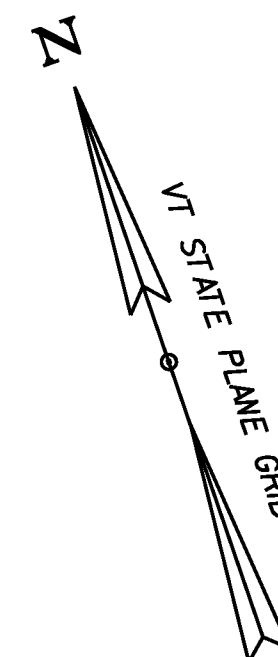
TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 299+47 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 299+47 RT "STOP" (4 EA)

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADIUS FOR SIDE ROADS)  
 STA. B 291+50 - B 301+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA B 291+50 - B 301+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 26



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: I. KHALID  
 DESIGNED BY: T. BIGELOW/S. MUSTO CHECKED BY: ATKINS/SOBEL  
 PLAN SHEET 22 SHEET 49 OF 146

NOT TO SCALE

MANUFACTURED TERMINAL SECTION, FLARED  
 STA. B 310+18.7 RT - B 310+56.2 RT

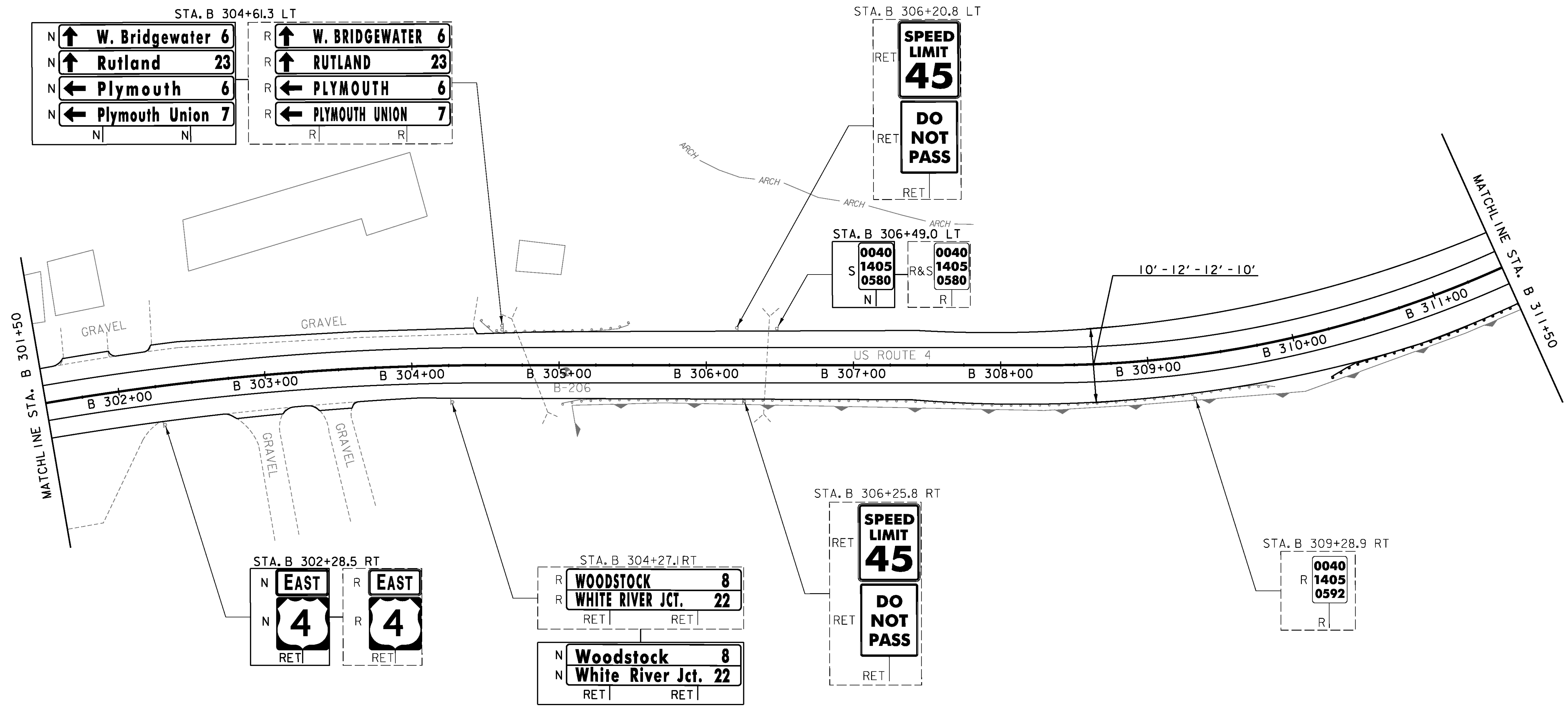
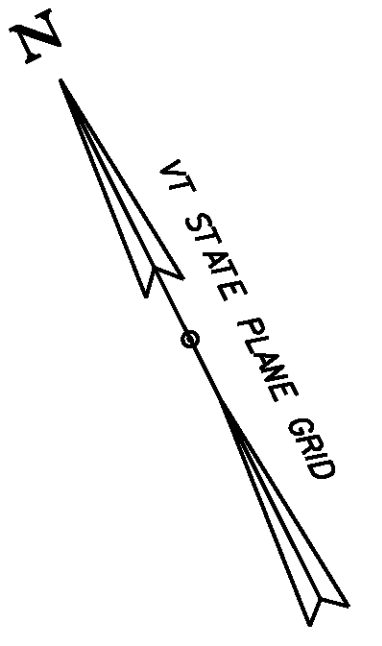
REMOVE AND RESET GUARDRAIL  
 STA. B 310+56.2 RT - B 311+50.0 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. B 310+18.7 RT - B 310+56.2 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADI1 FOR SIDE ROADS)  
 STA. B 301+50 - B 311+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 301+50 - B 311+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 10  
ERECTING SALVAGED SIGNS  
 AS SHOWN - 1



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: I. KHALID  
 DESIGNED BY: T. BIGELOW/S. MUSTO CHECKED BY: ATKINS/SOBEL  
 PLAN SHEET 23 SHEET 50 OF 146

NOT TO SCALE

REMOVE AND RESET GUARDRAIL  
 STA. B 311+50.0 RT - B 321+50.0 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADI FOR SIDE ROADS)  
 STA. B 311+50 - B 321+50 (SOLID LT & RT)

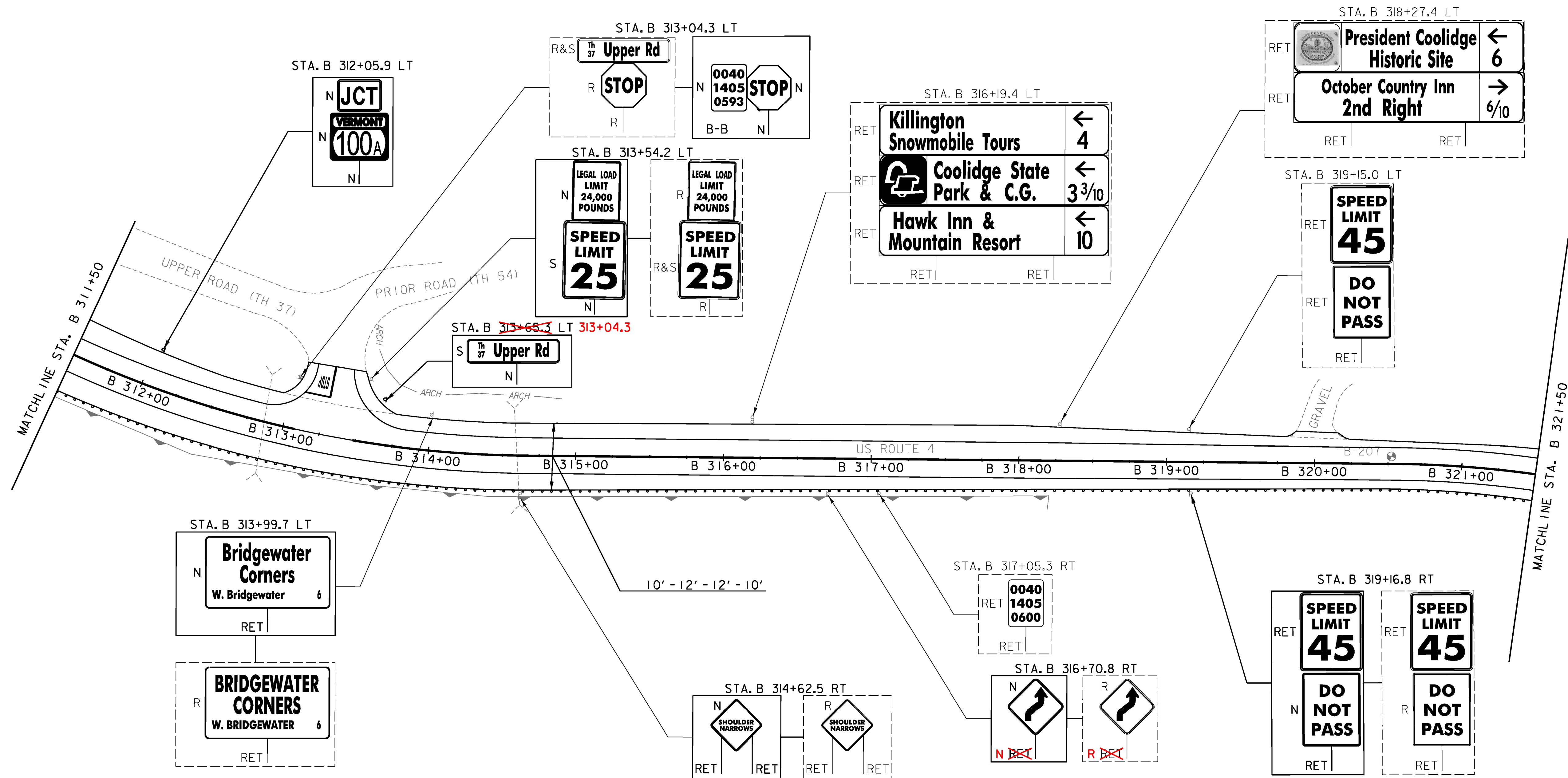
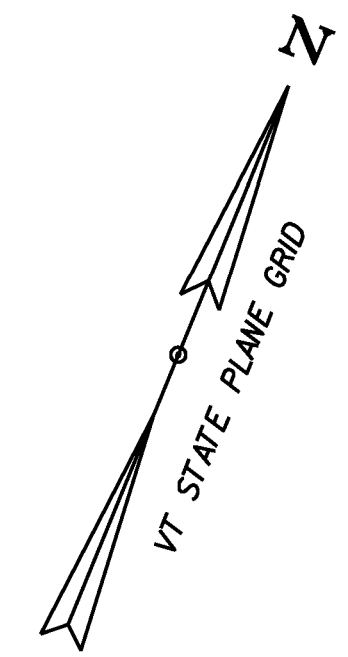
TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 311+50 - B 321+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 313+07 LT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 313+07 LT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 8

ERECTING SALVAGED SIGNS  
 AS SHOWN - 2



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 24

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 51 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. B 323+00 - B 334+50  
 STA. B 336+00 - B 341+50

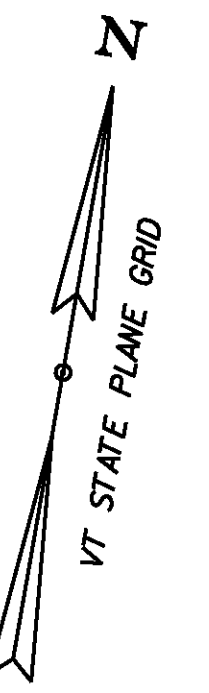
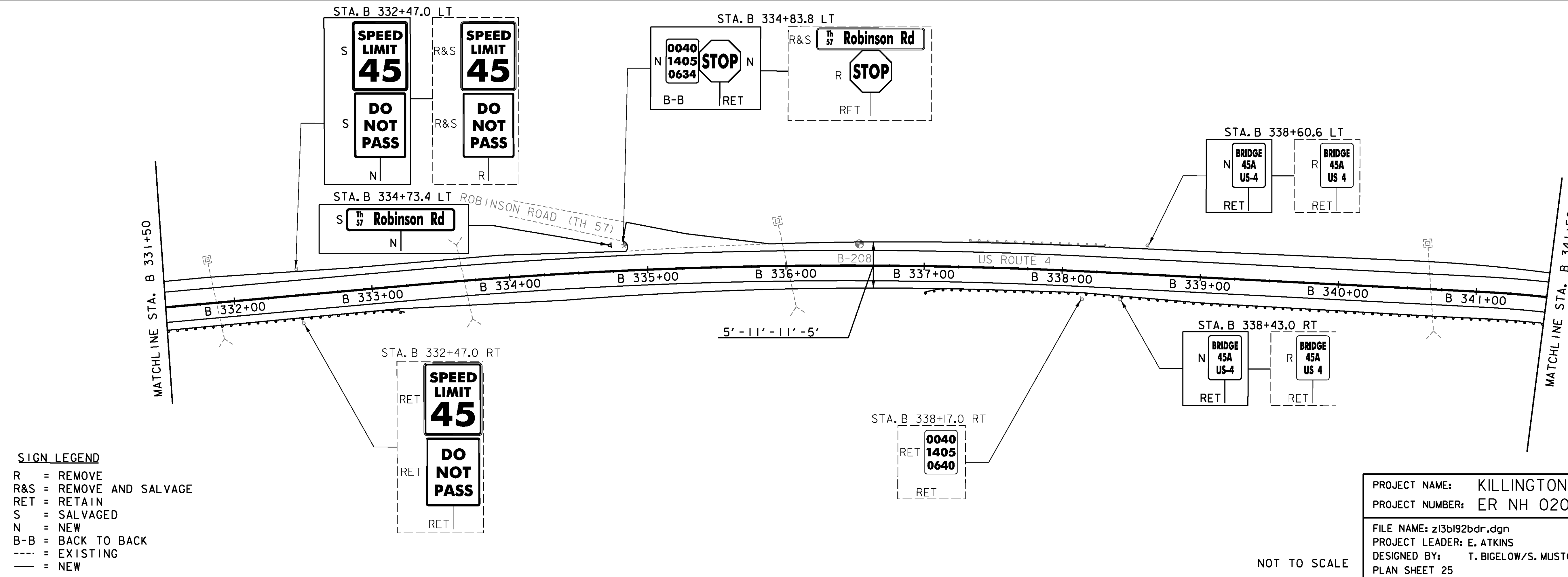
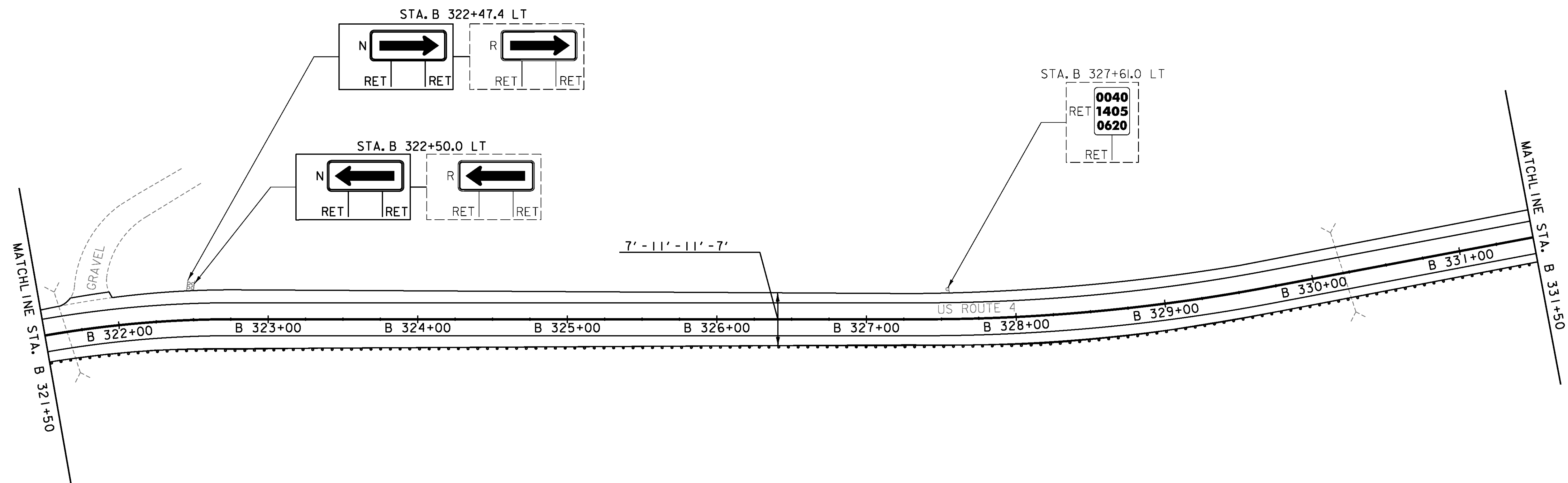
REMOVE AND RESET GUARDRAIL  
 STA. B 321+50.0 RT - B 333+31.2 RT  
 STA. B 337+00.0 RT - B 341+50.0 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADI1 FOR SIDE ROADS)  
 STA. B 321+50 - B 341+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 321+50 - B 341+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 8

ERECTING SALVAGED SIGNS  
 AS SHOWN - 3



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 25  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEI  
 SHEET 52 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. B 341+50 - B 351+00

MANUFACTURED TERMINAL SECTION, FLARED  
STA. B 350+61.0 RT - B 350+98.5 RT

REMOVE AND RESET GUARDRAIL  
STA. B 341+50 RT - B 350+61.0 RT

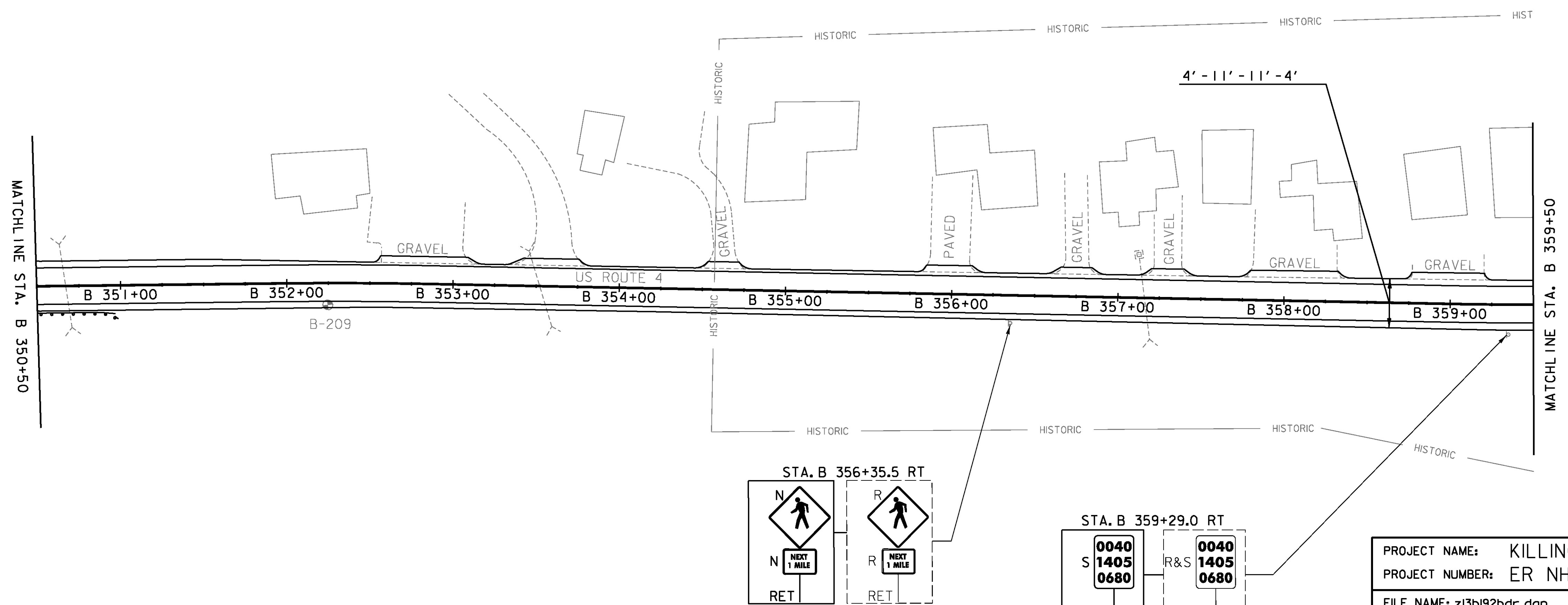
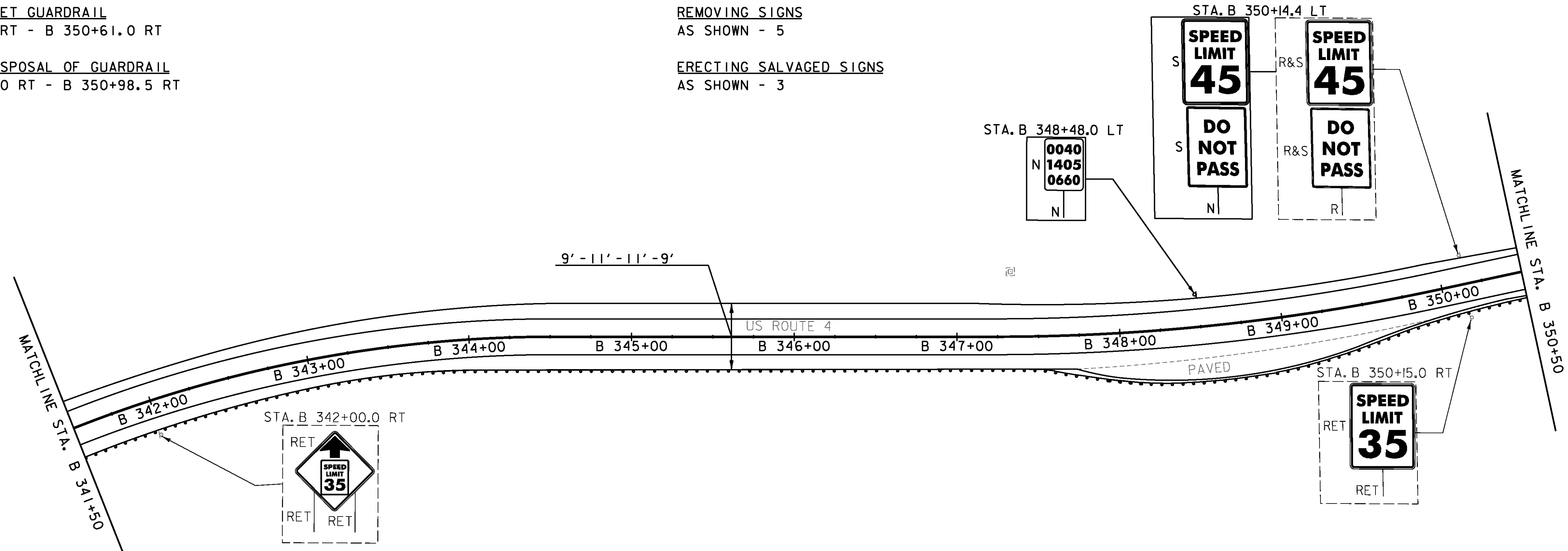
REMOVAL AND DISPOSAL OF GUARDRAIL  
STA. B 350+50.0 RT - B 350+98.5 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADII FOR SIDE ROADS)  
STA. B 341+50 - B 359+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. B 341+50 - B 359+50 (SOLID LT & RT)

REMOVING SIGNS  
AS SHOWN - 5

ERECTING SALVAGED SIGNS  
AS SHOWN - 3



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLAN SHEET 26

PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 53 OF 146

NOT TO SCALE

CHANGING ELEVATION OF SEWER MANHOLES  
 STA. B 368+49.1 - 12.0' LT

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 359+50 - B 378+50 (SOLID LT & RT)

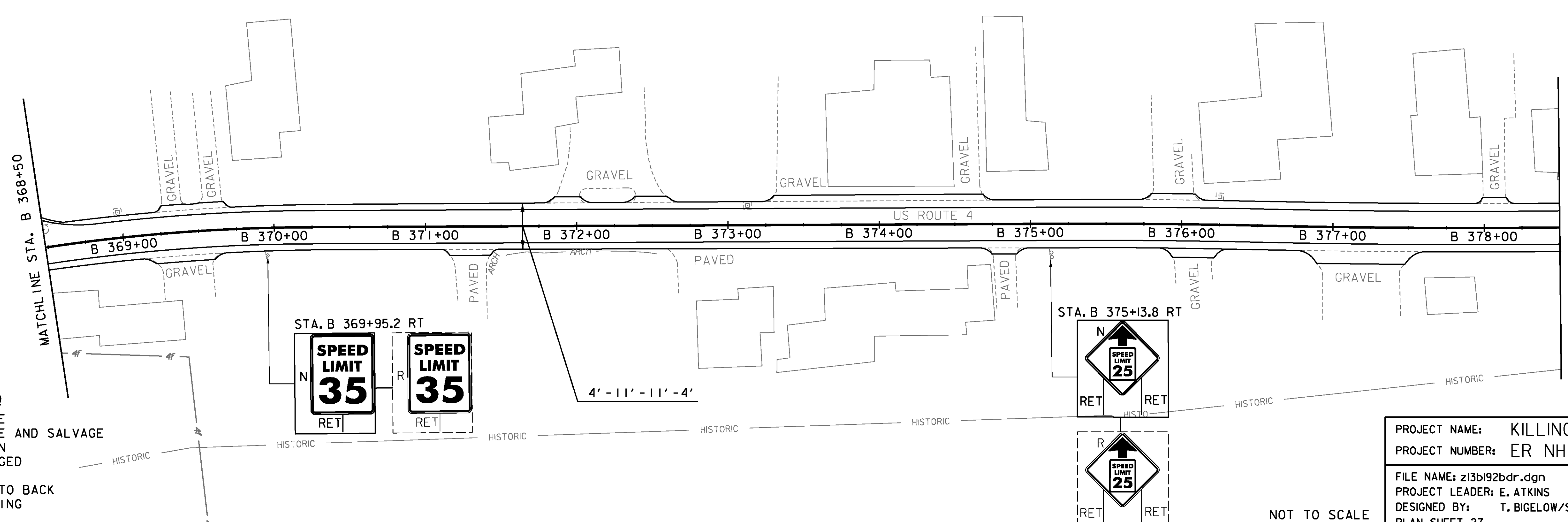
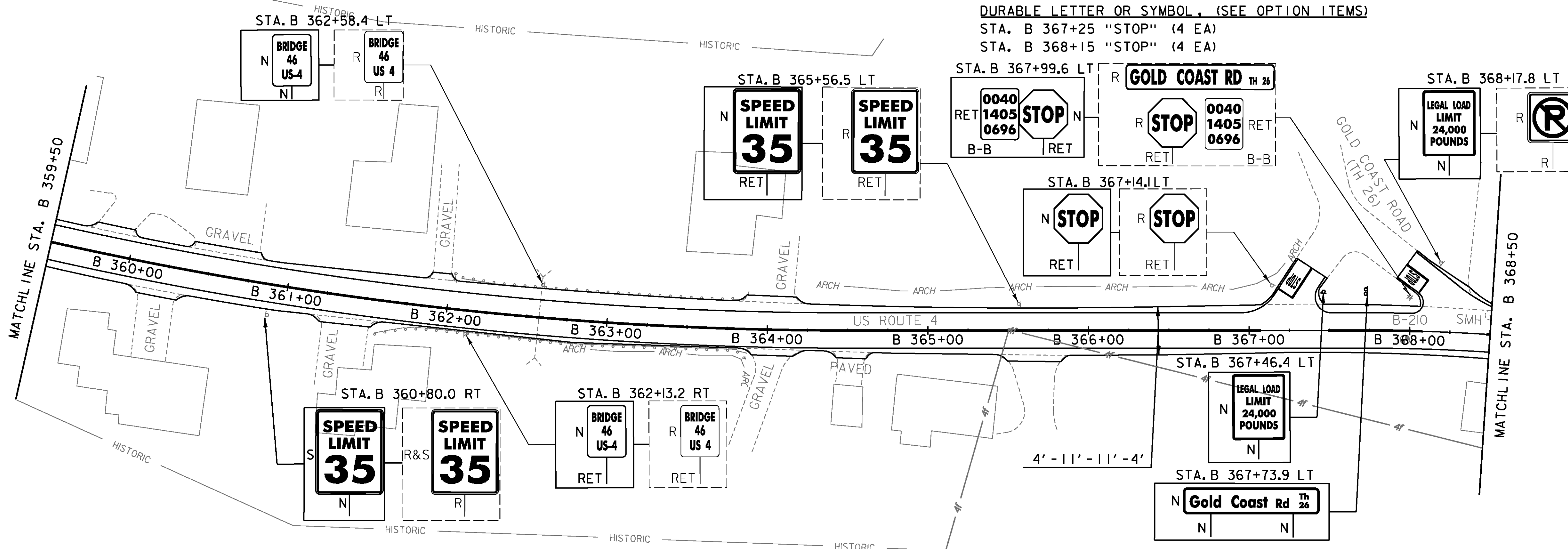
TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 359+50 - B 378+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 367+25  
 STA. B 368+15

REMOVING SIGNS  
 AS SHOWN - 10

ERECTING SALVAGED SIGNS  
 AS SHOWN - 1

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 367+25 "STOP" (4 EA)  
 STA. B 368+15 "STOP" (4 EA)



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 27  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 54 OF 146

NOT TO SCALE

CHANGING ELEVATION OF SEWER MANHOLES  
 STA. B 383+72.9 LT

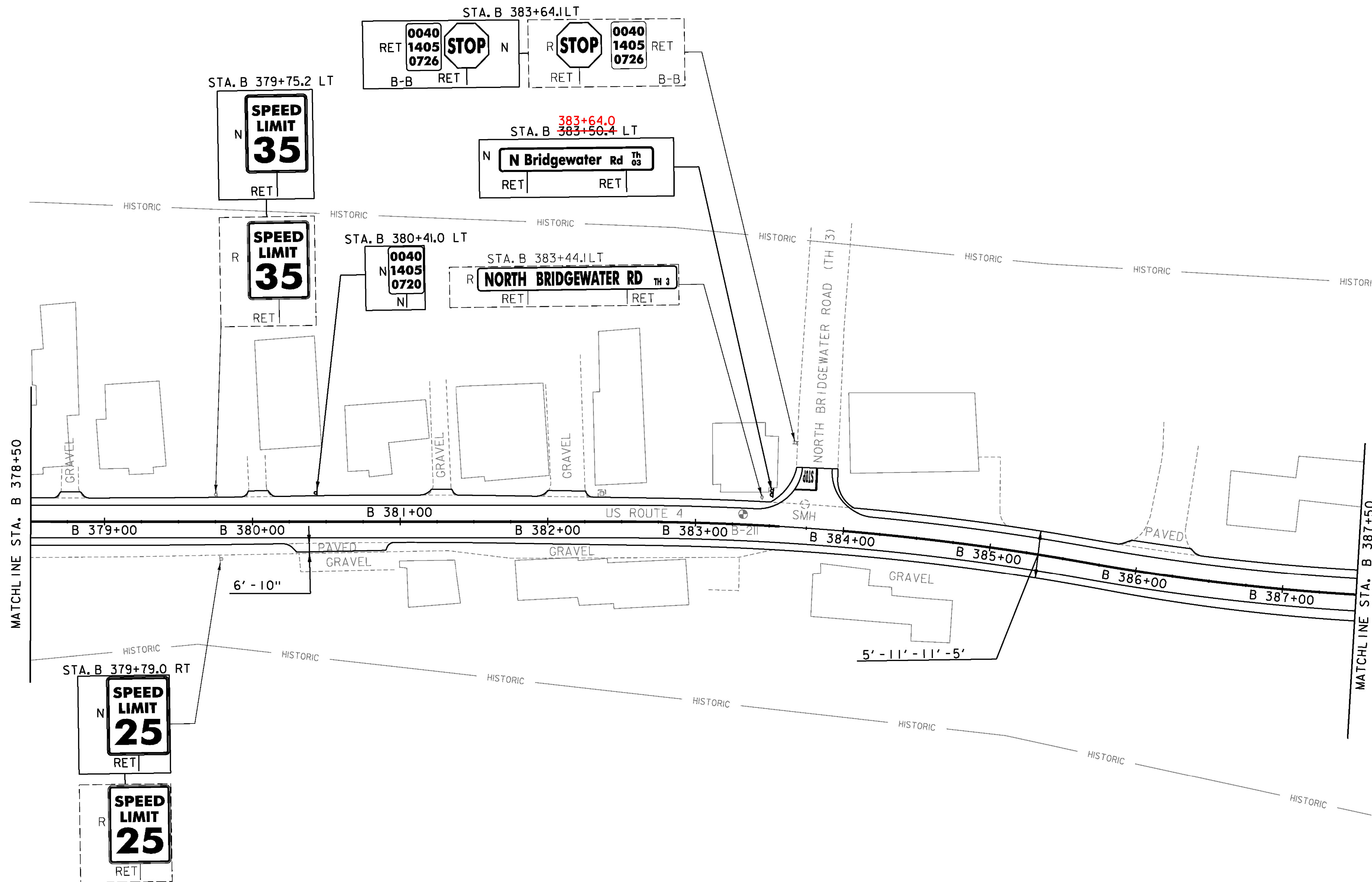
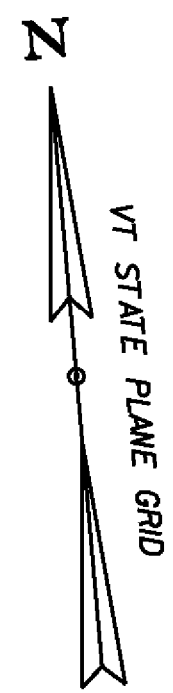
TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 378+50 - B 387+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 383+70 LT

REMOVING SIGNS  
 AS SHOWN - 4

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADIUS FOR SIDE ROADS)  
 STA. B 378+50 - B 387+50 (SOLID LT & RT)

TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 383+70 LT "STOP" (4 EA)



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 28

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 55 OF 146

NOT TO SCALE

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. B 387+50 - W 00+50 (SOLID LT & RT)

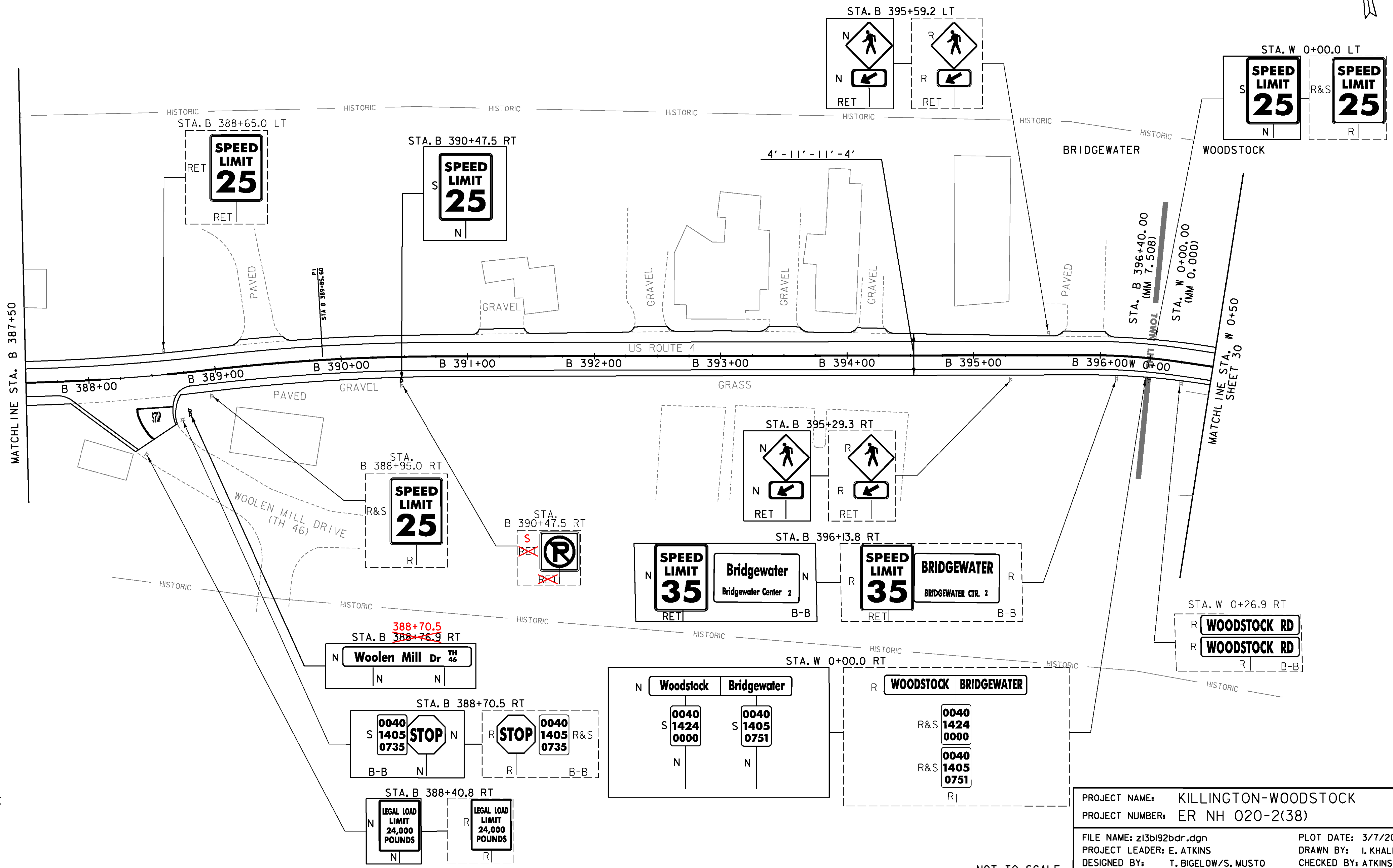
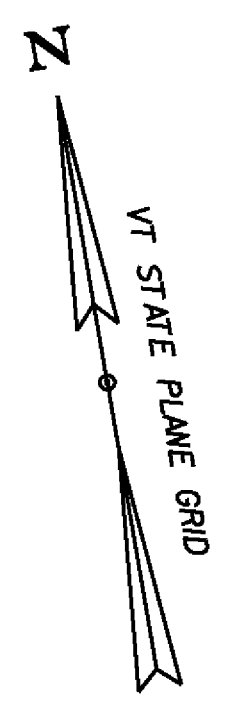
TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. B 387+50 - W 00+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. B 388+50 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. B 388+50 RT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 16

ERECTING SALVAGED SIGNS  
 AS SHOWN - 5



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

NOT TO SCALE

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bl92bdr.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW/S. MUSTO	CHECKED BY: ATKINS/SOBL
PLAN SHEET 29	SHEET 56 OF 146

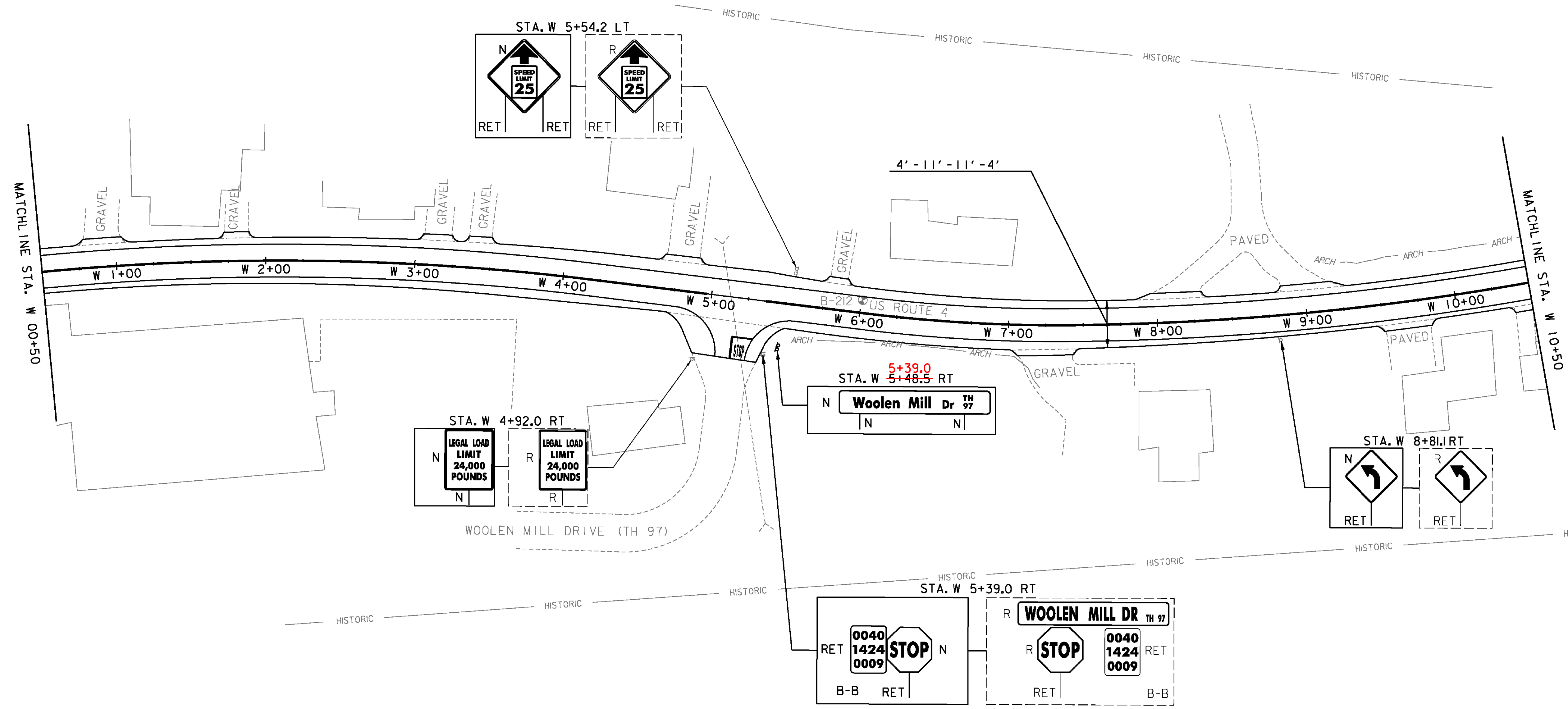
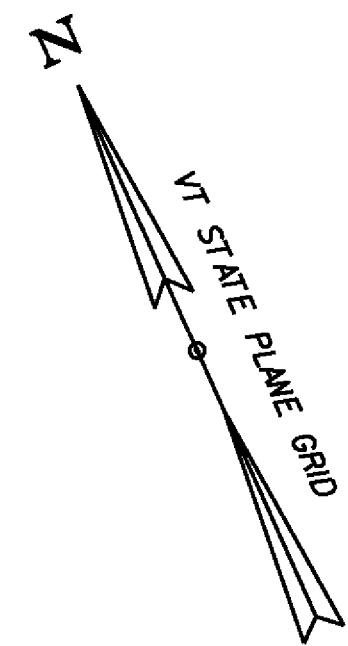
TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 00+50 - W 10+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 00+50 - W 10+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 5

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 5+15 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 5+15 RT "STOP" (4 EA)



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

NOT TO SCALE

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET 30	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	57 OF 146

MANUFACTURED TERMINAL SECTION, FLARED  
 STA. W 19+01.0 RT - W 19+38.5 RT

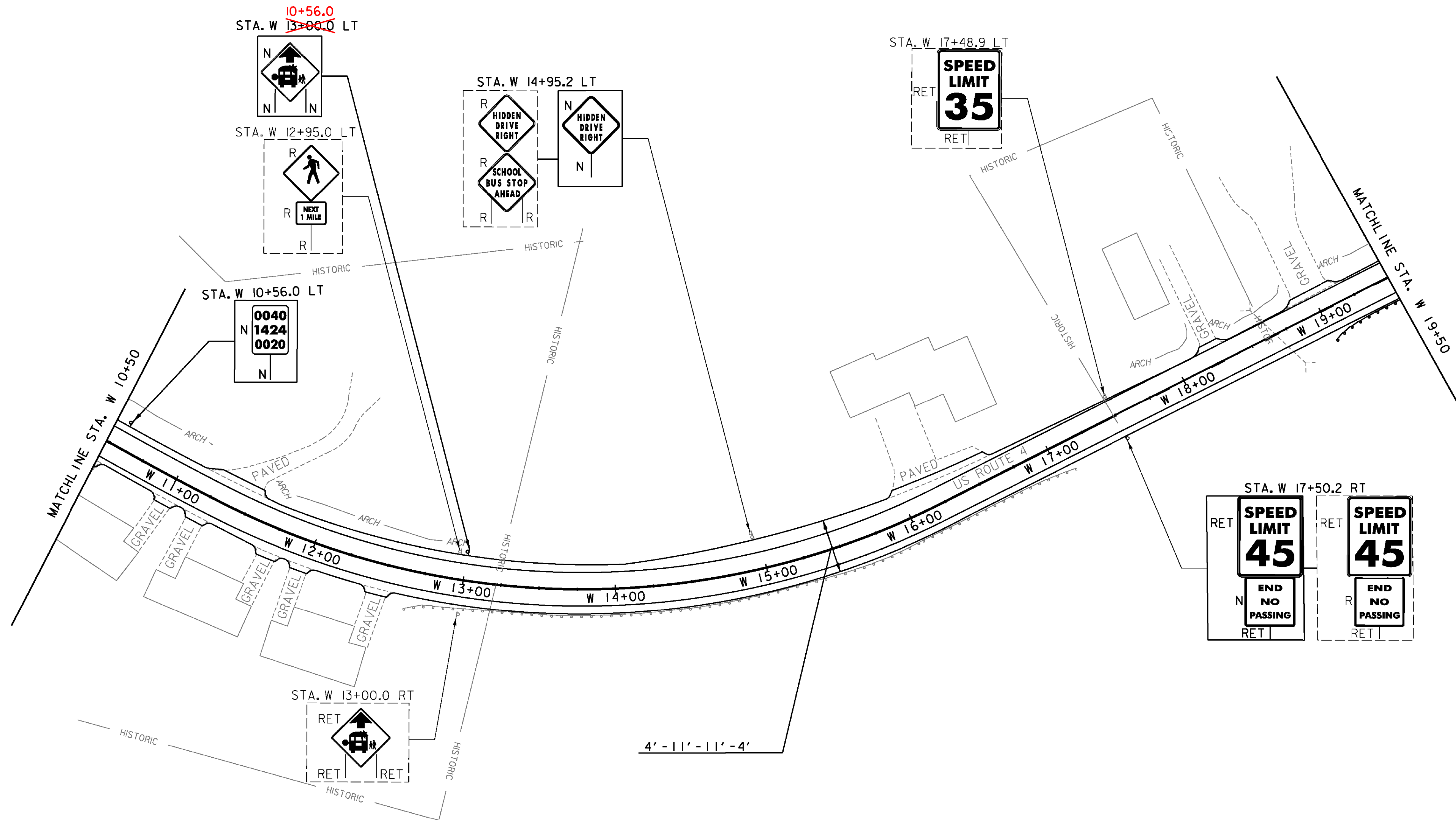
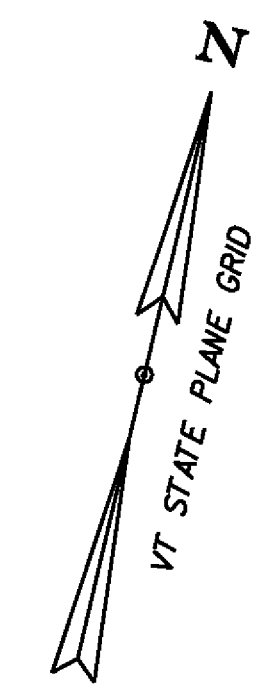
ADJUST HEIGHT OF GUARDRAIL  
 STA. W 19+38.5 RT - W 19+50.0 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. W 19+01.0 RT - W 19+38.5 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 10+50 - W 19+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 10+50 - W 17+40 (SOLID LT & RT)  
 STA. W 17+40 - W 19+50 (SOLID LT & DASHED RT)

REMOVING SIGNS  
 AS SHOWN - 5



SIGN LEGEND

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 31

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 58 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. W 28+00 - W 33+00  
 STA. W 36+00 - W 40+50

MANUFACTURED TERMINAL SECTION, FLARED  
 STA. W 25+54.5 RT - W 25+92.0 RT

ADJUST HEIGHT OF GUARDRAIL  
 STA. W 19+50.0 RT - W 25+54.5 RT

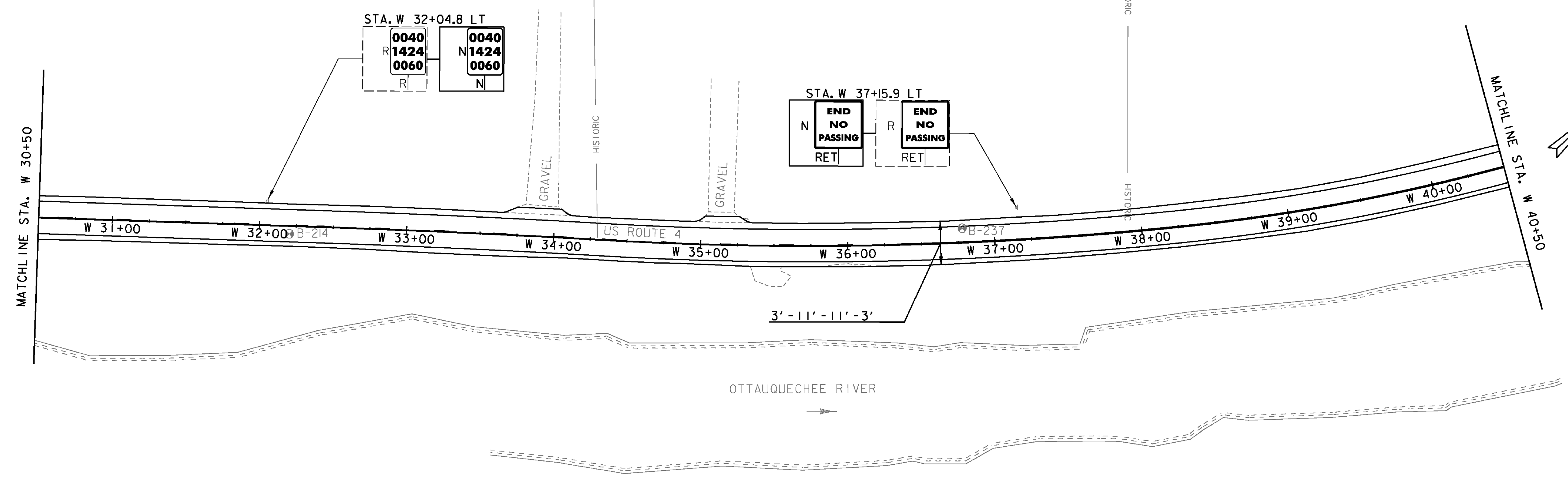
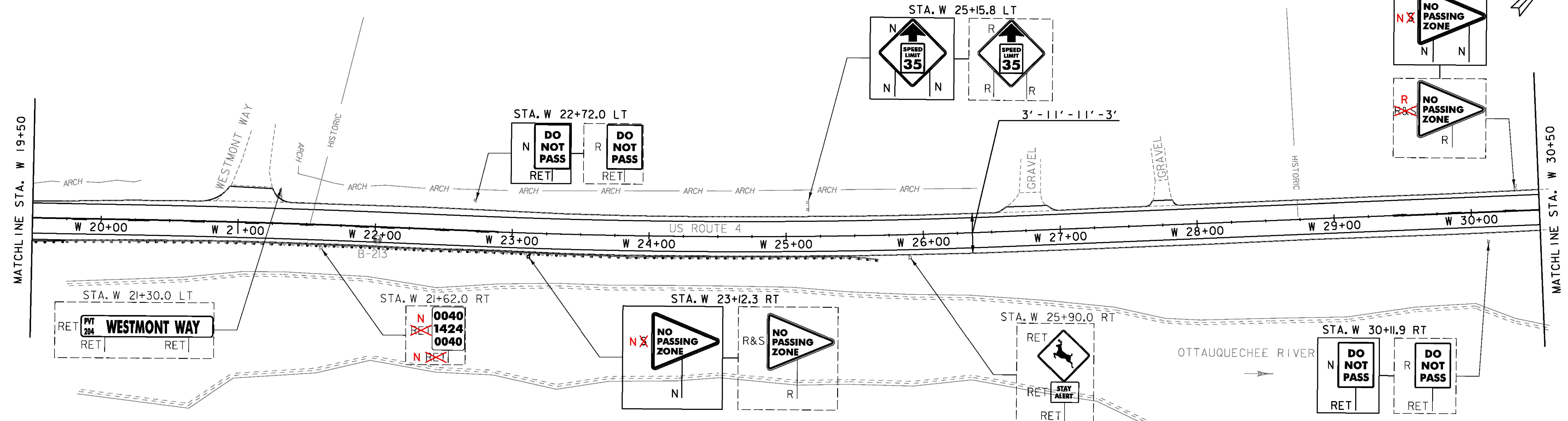
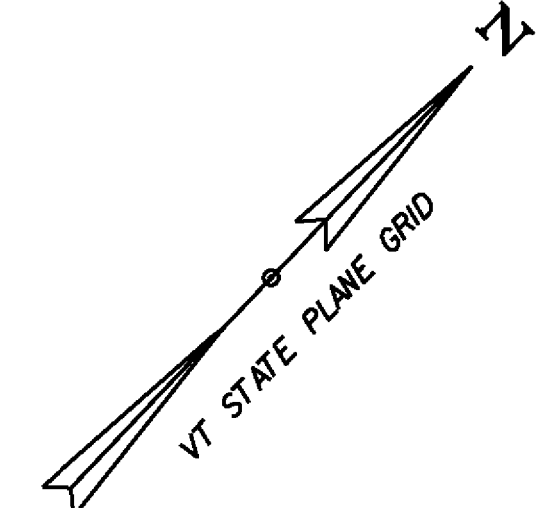
REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. W 25+54.5 RT - W 25+92.0 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 19+50 - W 40+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 19+50 - W 22+90 (SOLID LT & DASHED RT)  
 STA. W 22+90 - W 29+43 (DASHED)  
 STA. W 29+43 - W 36+40 (DASHED LT & SOLID RT)  
 STA. W 36+40 - W 40+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 7

ERECTING SALVAGED SIGNS  
 AS SHOWN - 2



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 32  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 59 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. W 40+50 - W 45+51  
 STA. W 45+91 - W 60+50

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA. W 49+05.2 LT - W 49+80.2 LT

MANUFACTURED TERMINAL SECTION, TANGENT  
 STA. W 48+55.2 LT - W 49+05.2 LT  
 STA. W 49+80.2 LT - W 50+30.2 LT

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)  
 STA. W 40+50 - W 54+90 (SOLID LT & RT)  
 STA. W 54+90 - W 60+50 (SOLID LT & DASHED RT)

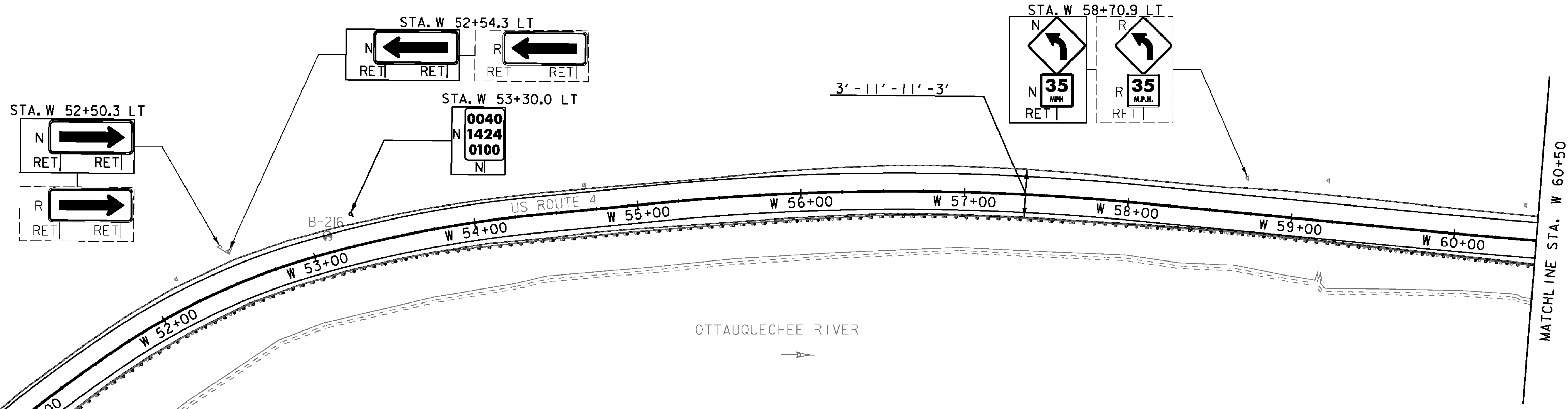
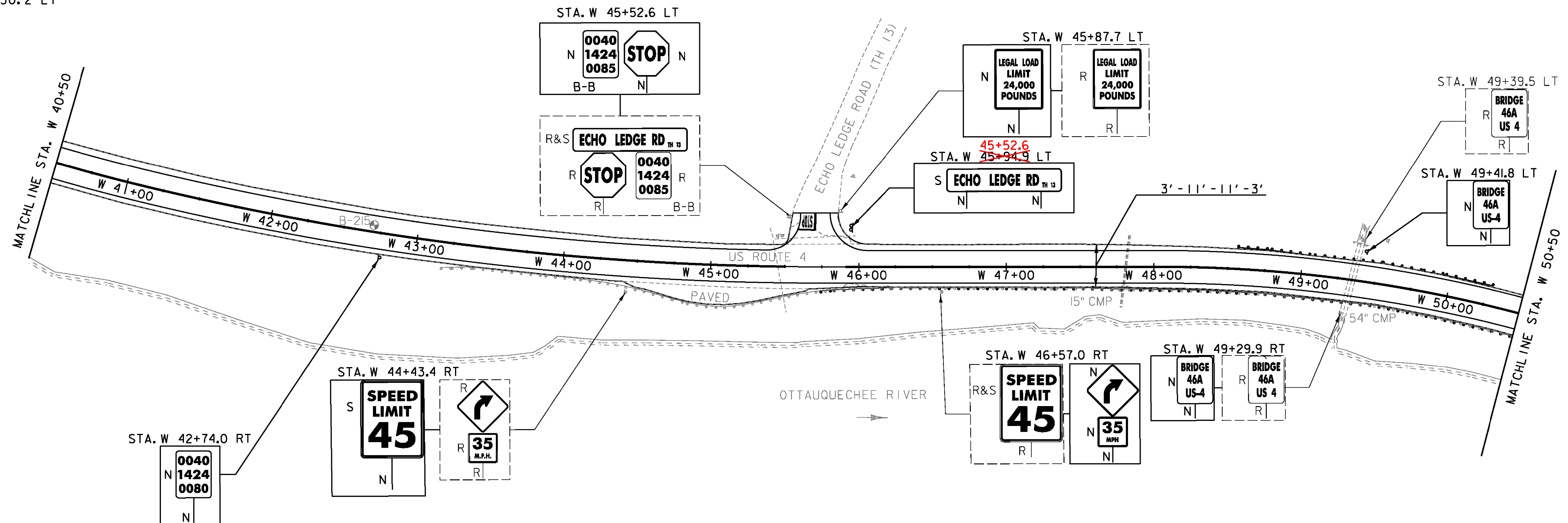
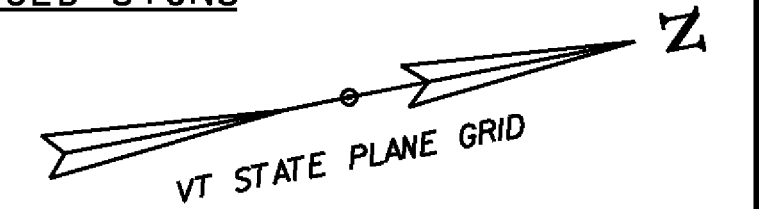
REMOVE AND RESET GUARDRAIL  
 STA. W 45+73.7 RT - W 60+50.0 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAK SAND RADII FOR SIDE ROADS)  
 STA. W 40+50 - W 60+50 (SOLID LT & RT)

TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 45+55 LT "STOP" (4 EA)  
TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 45+55 LT

REMOVING SIGNS  
 AS SHOWN - 13

ERECTING SALVAGED SIGNS  
 AS SHOWN - 2



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 33

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 60 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. W 60+50 - W 71+00

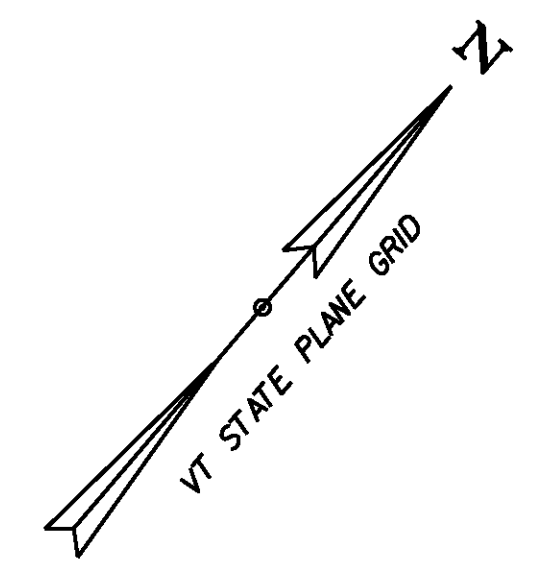
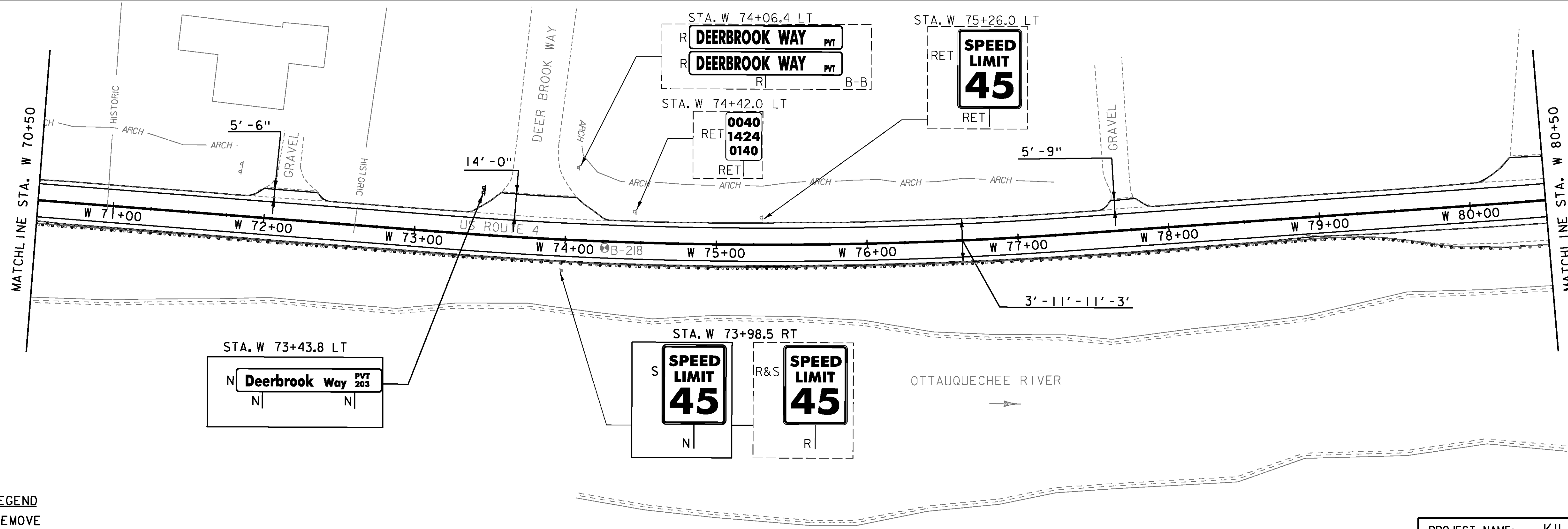
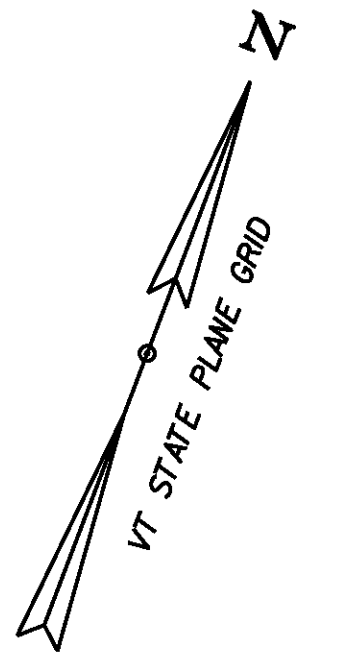
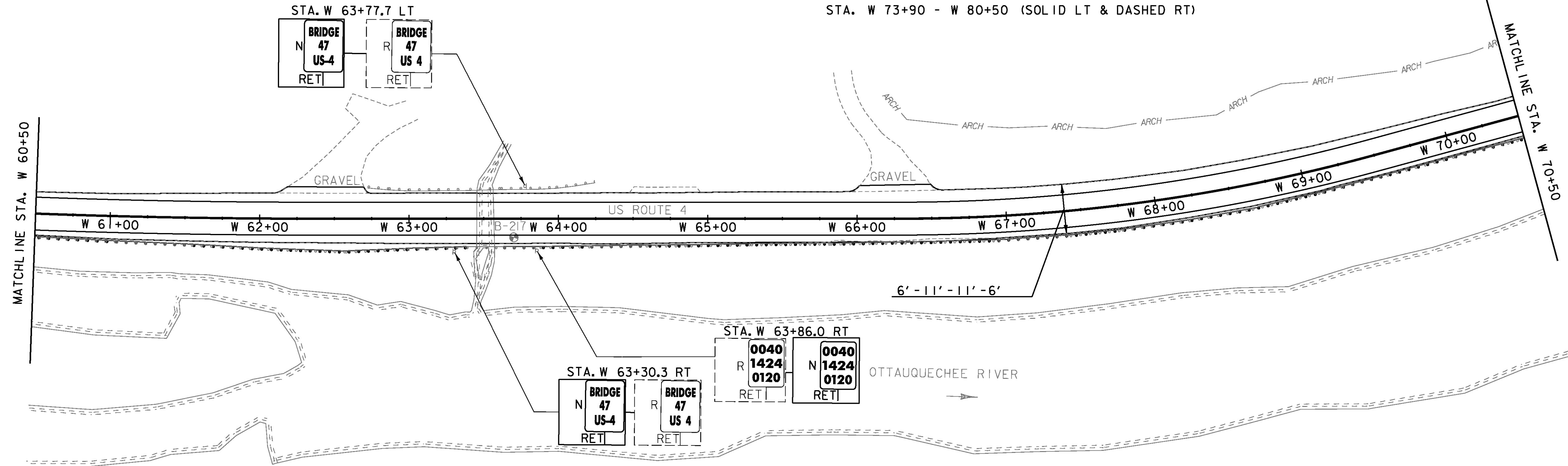
REMOVE AND RESET GUARDRAIL  
STA. W 60+50.0 RT - W 63+38.0 RT  
STA. W 63+63.0 RT - W 80+50.0 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAK  
SAND RADII FOR SIDE ROADS)  
STA. W 60+50 - W 80+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)  
STA. W 60+50 - W 61+85 (SOLID LT & DASHED RT)  
STA. W 61+85 - W 68+61 (DASHED LT & SOLID RT)  
STA. W 68+61 - W 73+90 (SOLID LT & RT)  
STA. W 73+90 - W 80+50 (SOLID LT & DASHED RT)

REMOVING SIGNS  
AS SHOWN - 6

ERECTING SALVAGED SIGNS  
AS SHOWN - 1



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13bi92bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLAN SHEET 34  
PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 61 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. W 86+00 - W 100+50

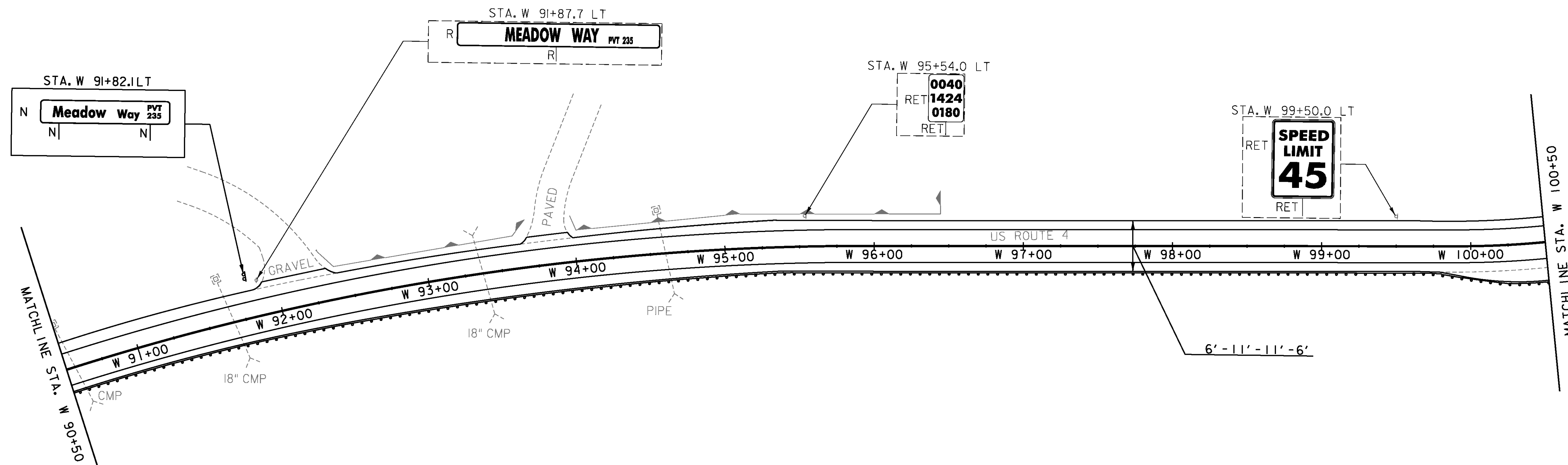
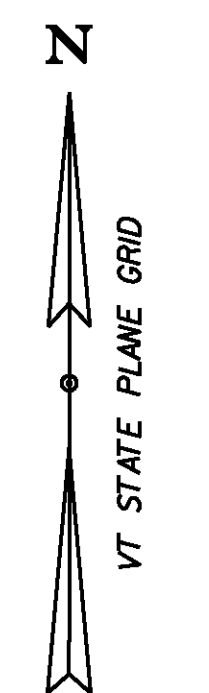
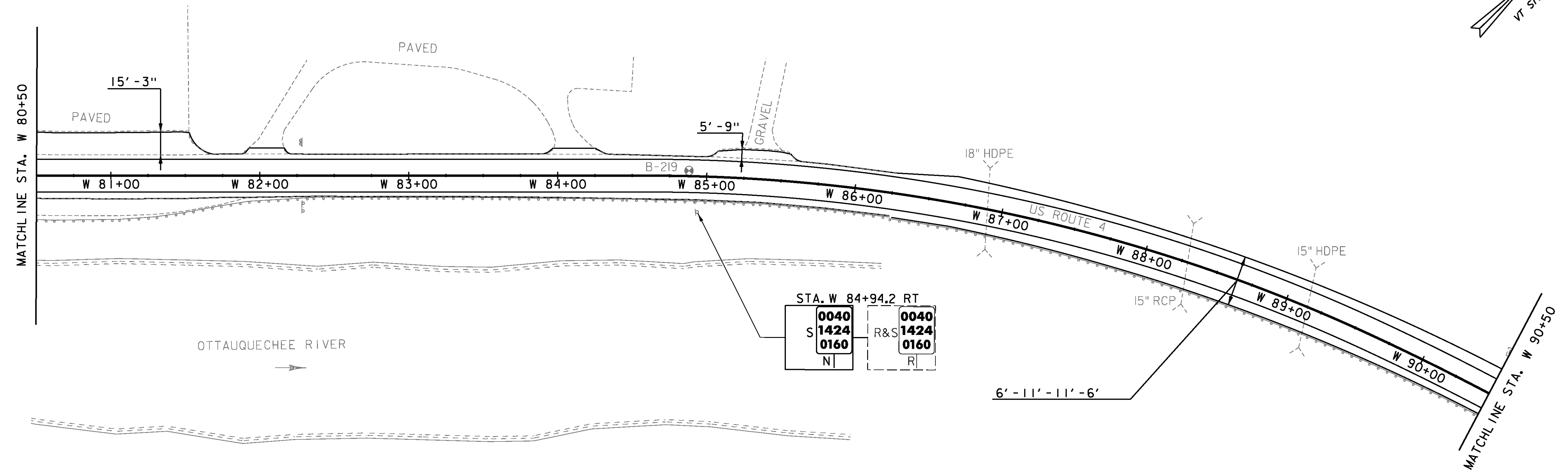
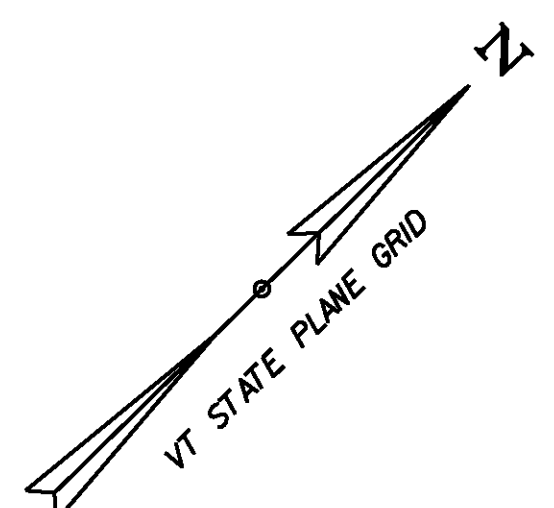
REMOVE AND RESET GUARDRAIL  
STA. W 80+50.0 RT - W 100+50.0 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADII FOR SIDE ROADS)  
STA. W 80+50 - W 100+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. W 80+50 - W 82+10 (SOLID LT & DASHED RT)  
STA. W 82+10 - W 92+40 (DASHED LT & SOLID RT)  
STA. W 92+40 - W 100+50 (SOLID LT & RT)

REMOVING SIGNS  
AS SHOWN - 2

ERECTING SALVAGED SIGNS  
AS SHOWN - 1



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

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET 35	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	62 OF 146

NOT TO SCALE

**MILLED RUMBLE STRIPS (CENTERLINE)**

STA. W 100+50 - W 102+00  
 STA. W 104+00 - W 120+50

**REMOVE AND RESET GUARDRAIL**

STA. W 100+50.0 RT - W 116+65.0 RT

**TEMPORARY 4 INCH WHITE LINE, PAINT**

**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI FOR SIDE ROADS)

STA. W 100+50 - W 120+50 (SOLID LT & RT)

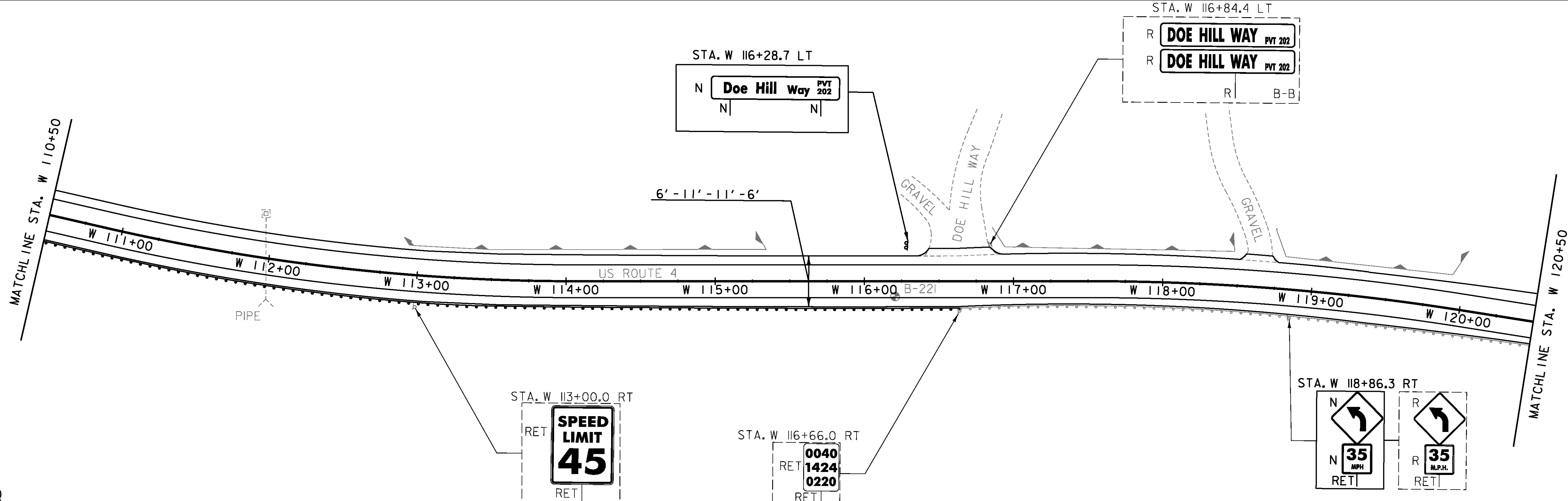
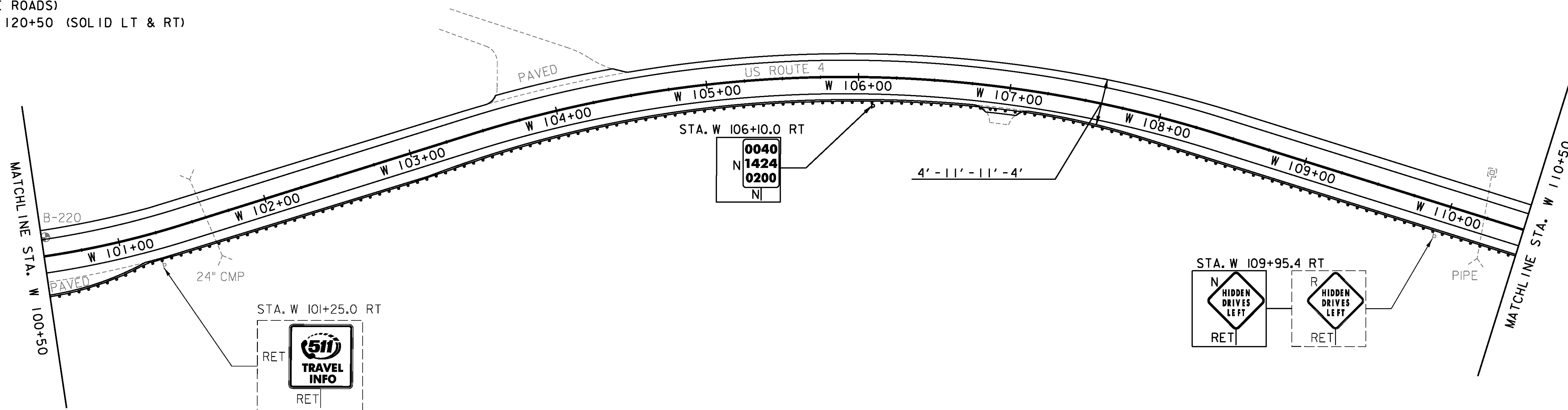
**TEMPORARY 4 INCH YELLOW LINE, PAINT**

**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)

STA. W 100+50 - W 120+50 (SOLID LT & RT)

**REMOVING SIGNS**

AS SHOWN - 5



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET	36
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	63 OF 146

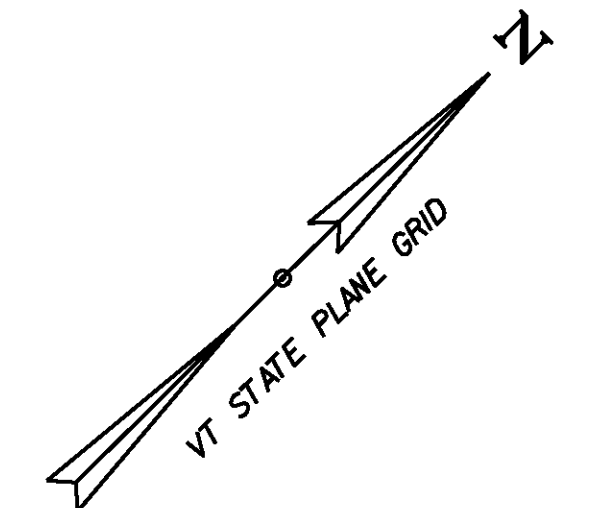
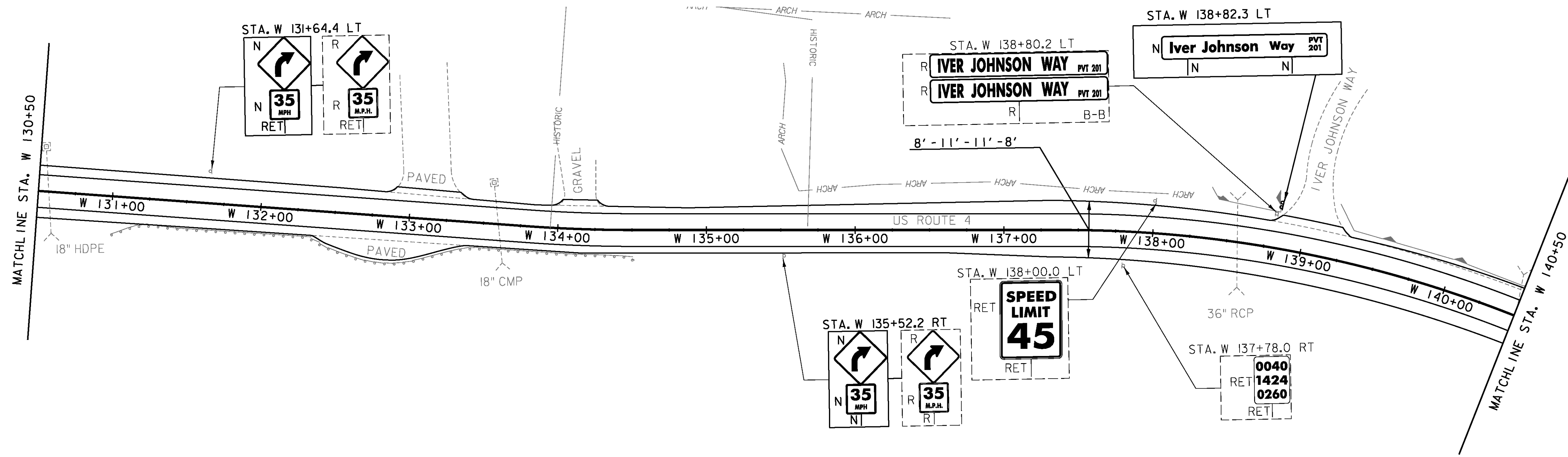
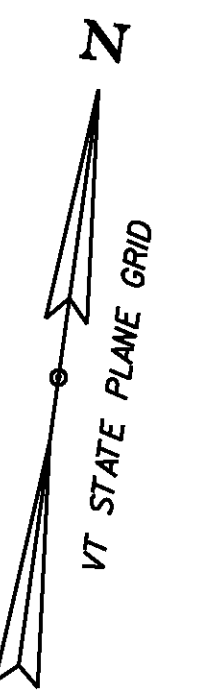
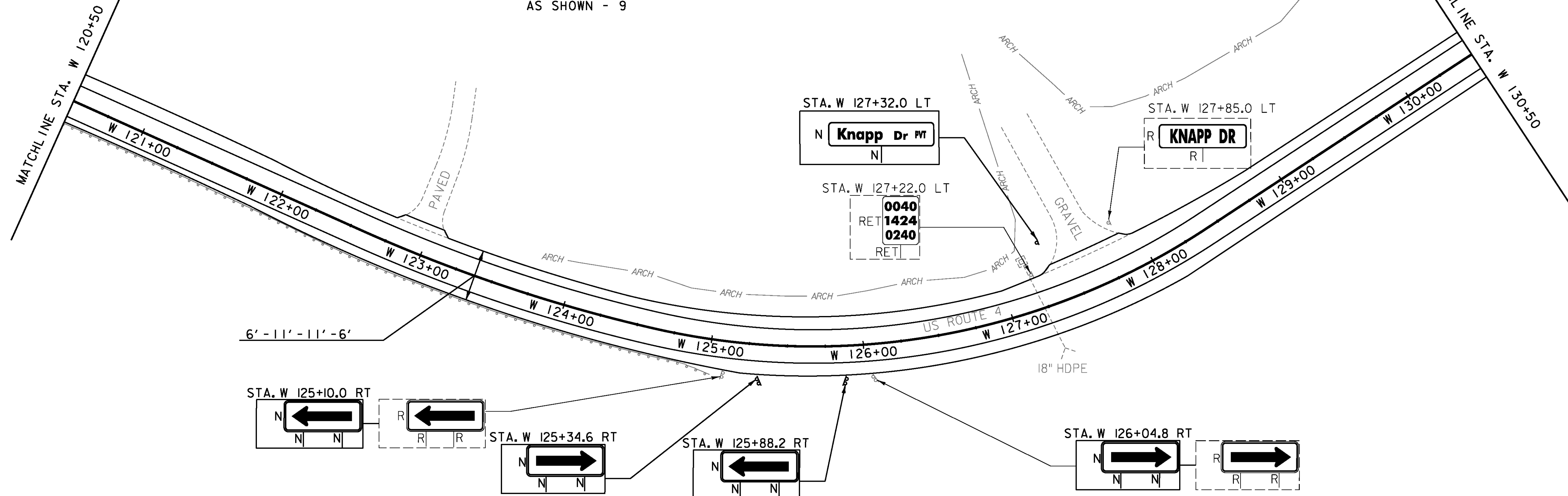
NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. W 120+50 - W 132+00  
 STA. W 136+00 - W 140+50

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEM)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 120+50 - W 140+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 120+50 - W 140+50 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 9



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92bdr.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW/S. MUSTO	CHECKED BY: ATKINS/SOBEL
PLAN SHEET 37	SHEET 64 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. W 140+50 - W 141+00  
 STA. W 145+00 - W 158+00  
 STA. W 160+00 - W 160+50

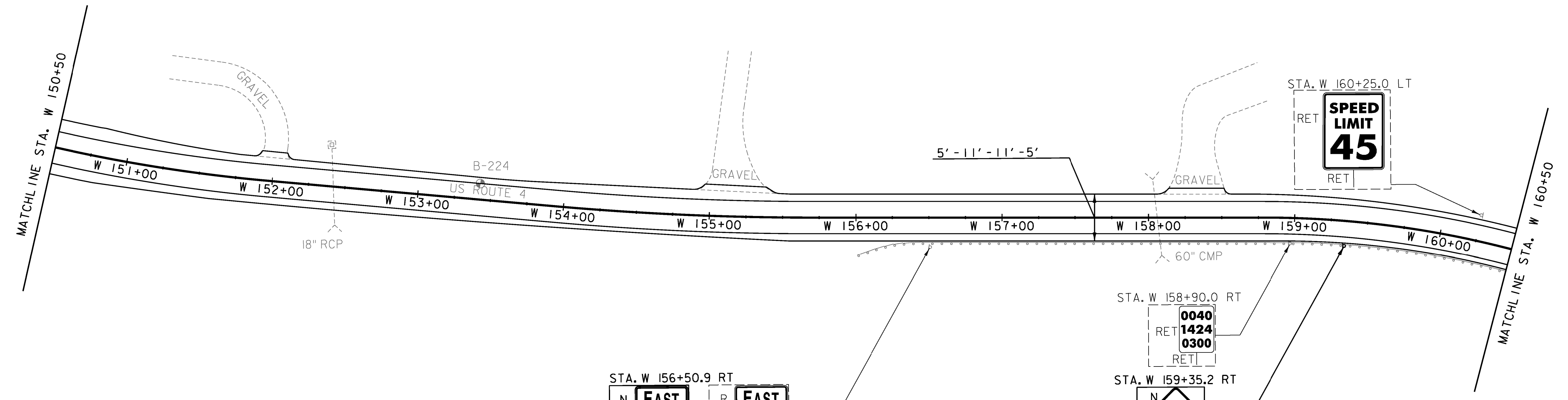
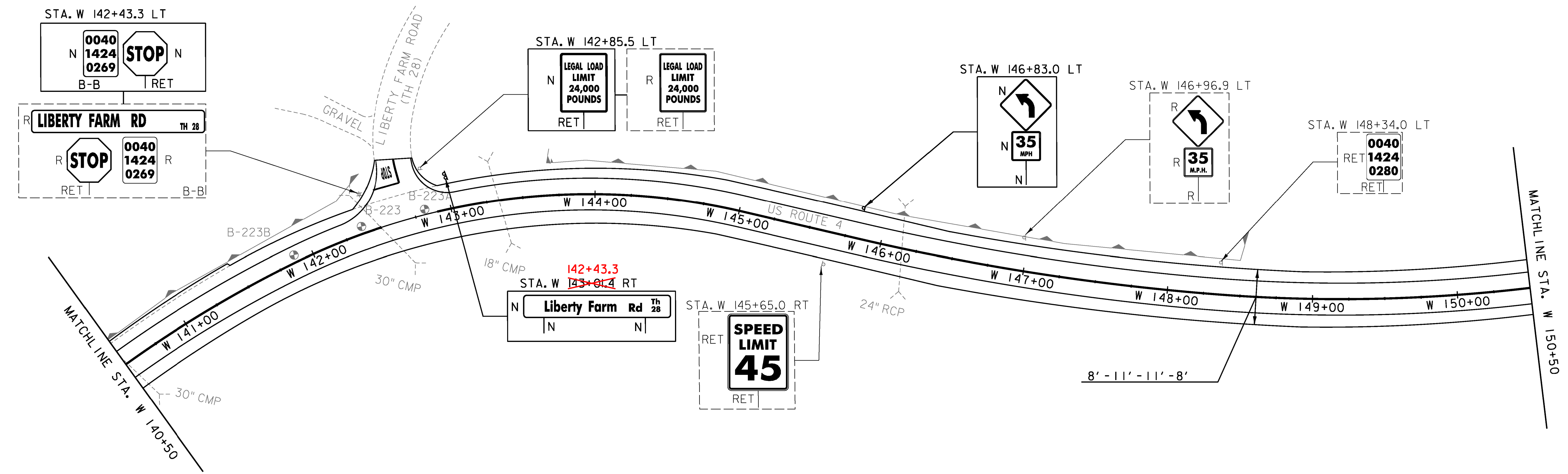
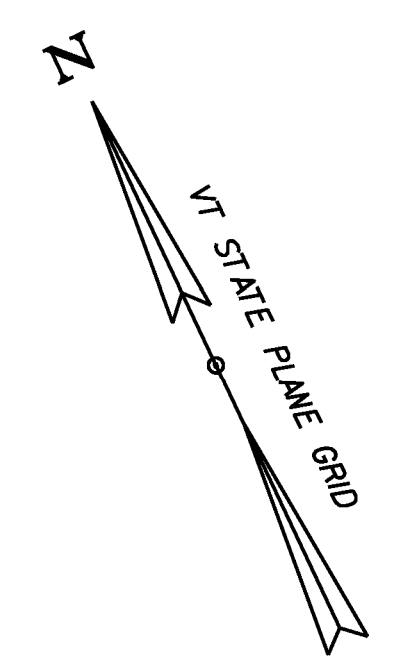
TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 140+50 - W 160+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 140+50 - W 160+50 (SOLID LT & RT)

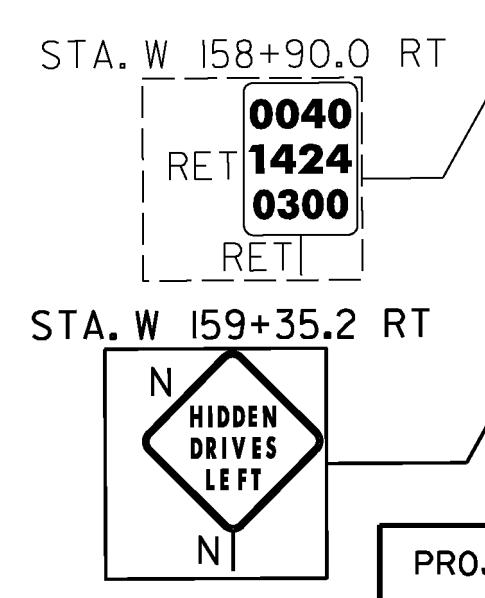
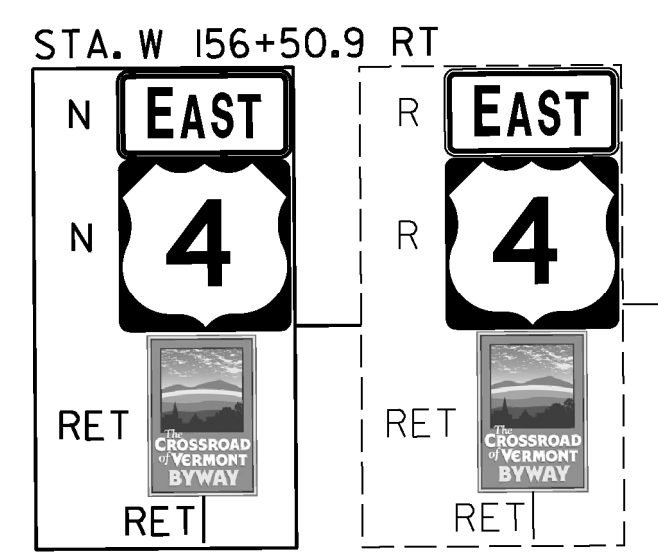
TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 142+55 LT

REMOVING SIGNS  
 AS SHOWN - 8

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 142+55 LT "STOP" (4 EA)



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



PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 38  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 65 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
 STA. W 160+50 - W 164+00

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADI FOR SIDE ROADS)  
 STA. W 160+50 - W 170+50 (SOLID LT & RT)  
 STA. W 164+83 - W 166+40 (SOLID LT)  
 STA. W 166+40 - W 167+94 (DOTTED LT)

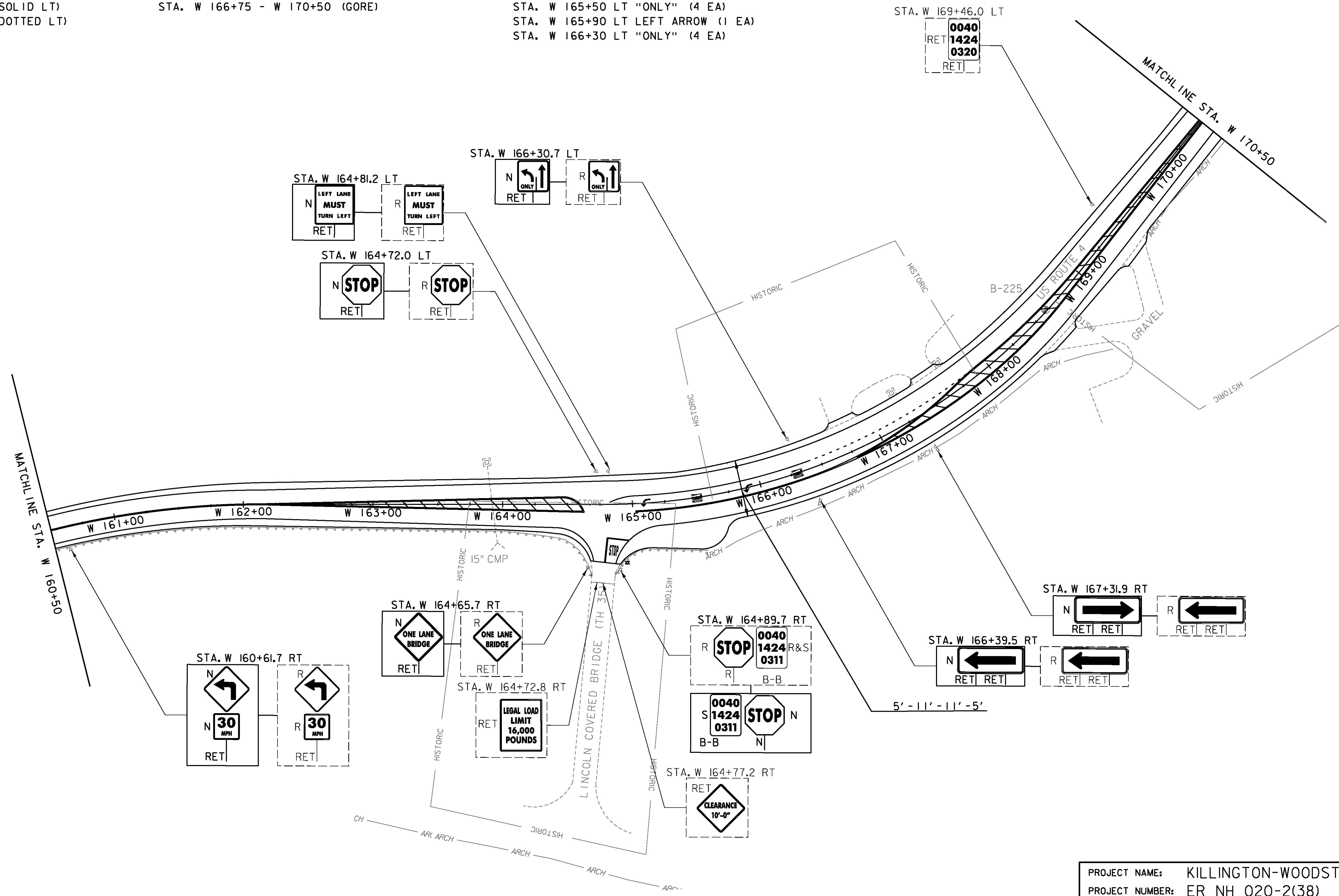
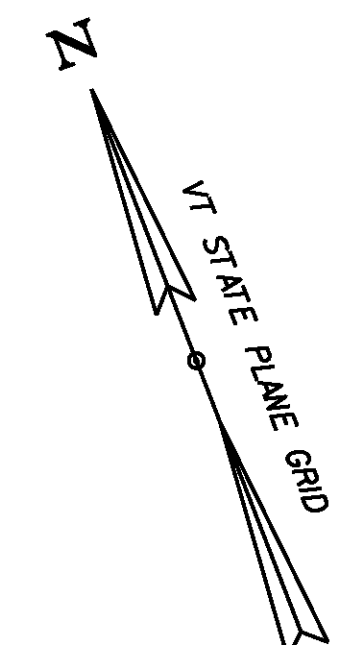
TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 160+50 - W 170+50 (SOLID LT & RT)  
 DURABLE 8 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 STA. W 162+00 - W 164+50 (GORE)  
 STA. W 166+75 - W 170+50 (GORE)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 164+80 RT

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 164+80 RT "STOP" (4 EA)  
 STA. W 165+10 LT LEFT ARROW (1 EA)  
 STA. W 165+50 LT "ONLY" (4 EA)  
 STA. W 165+90 LT LEFT ARROW (1 EA)  
 STA. W 166+30 LT "ONLY" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 10

RECTIFYING SALVAGED SIGNS  
 AS SHOWN - 1



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: I. KHALID  
 DESIGNED BY: T. BIGELOW/S. MUSTO CHECKED BY: ATKINS/SOBEL  
 PLAN SHEET 39 SHEET 66 OF 146

NOT TO SCALE

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 170+50 - W 180+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 172+58 LT  
 STA. W 179+40 LT

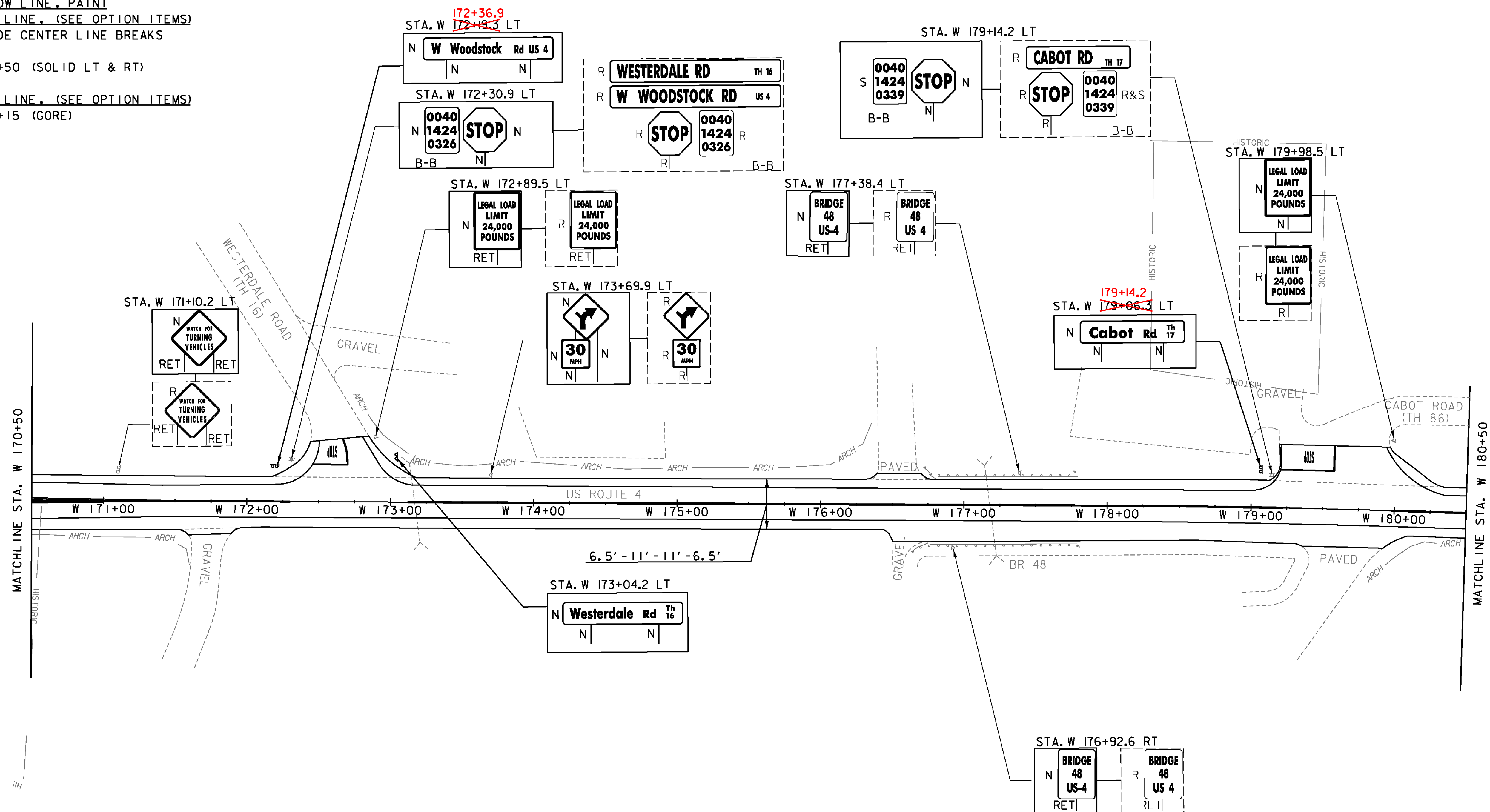
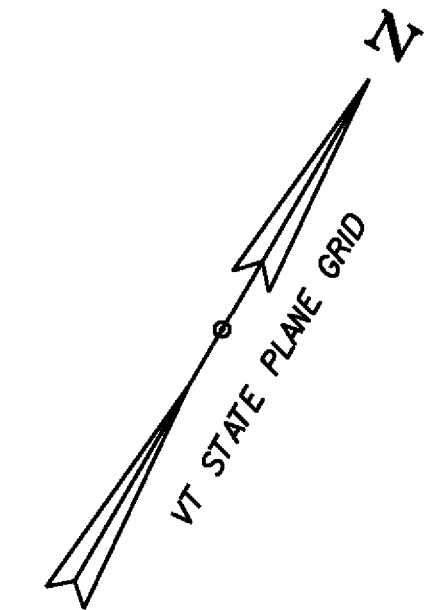
TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 172+58 LT "STOP" (4 EA)  
 STA. W 179+40 LT "STOP" (4 EA)

REMOVING SIGNS  
 AS SHOWN - 14

ERECTING SALVAGED SIGNS  
 AS SHOWN - 1

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 170+50 - W 180+50 (SOLID LT & RT)

DURABLE 8 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 STA. W 170+50 - W 171+15 (GORE)



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 40

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 67 OF 146

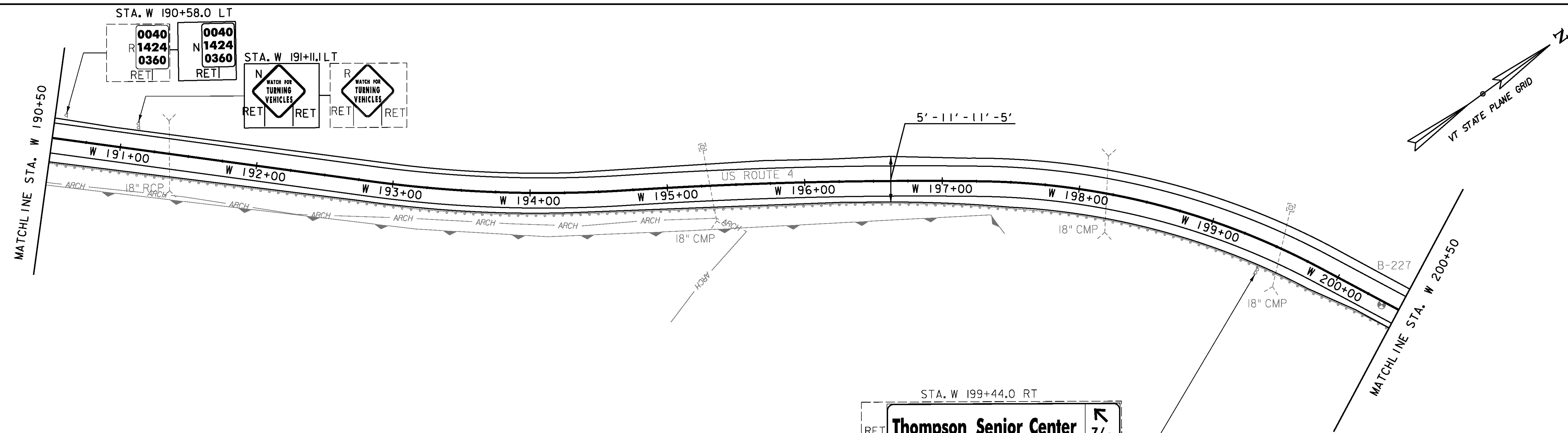
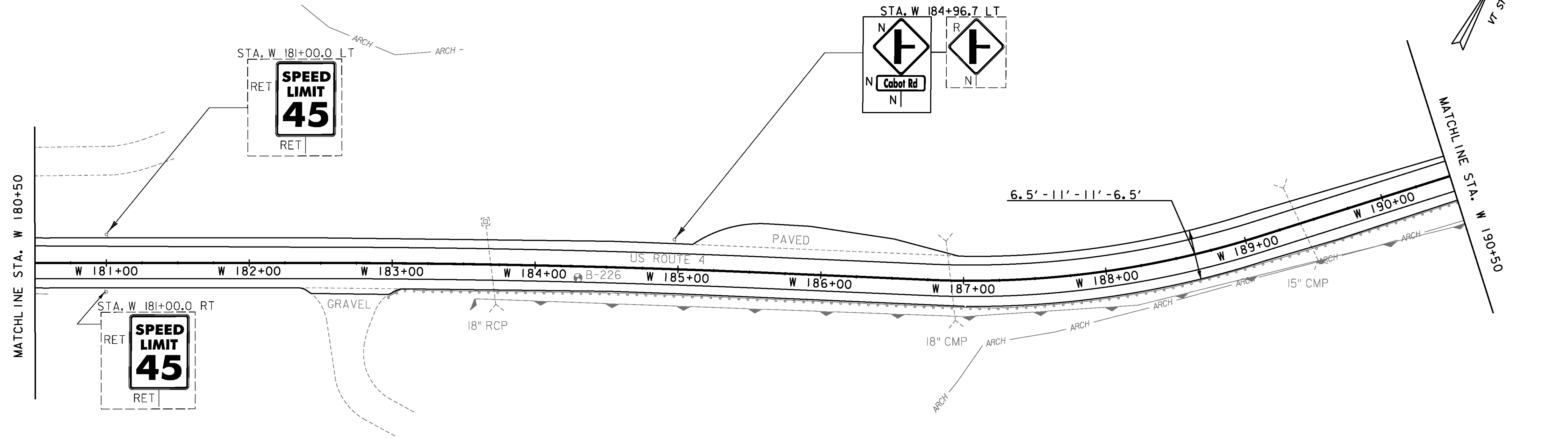
NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. W 186+00 - W 200+50

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND  
RADI1 FOR SIDE ROADS)  
STA. W 180+50 - W 200+50 (SOLID LT & RT)

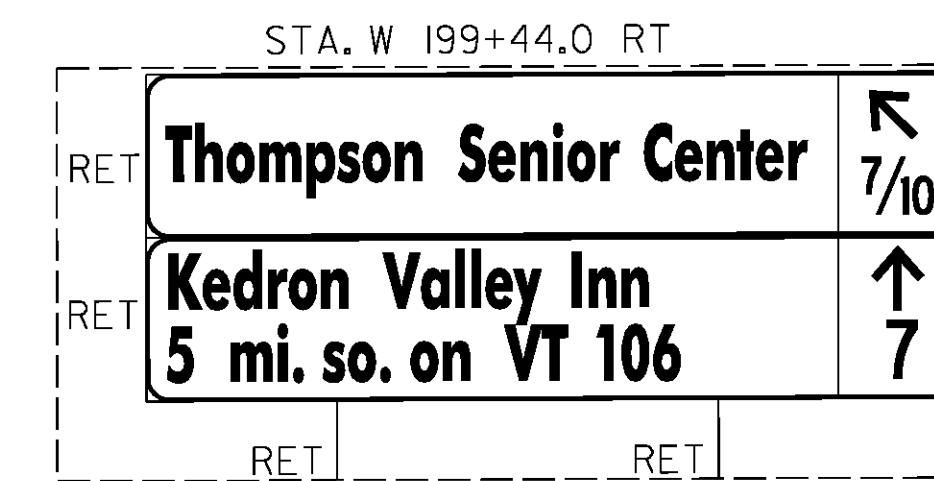
TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. W 180+50 - W 200+50 (SOLID LT & RT)

REMOVING SIGNS  
AS SHOWN - 3



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW



PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET 41	
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	68 OF 146

NOT TO SCALE

MILLED RUMBLE STRIPS (CENTERLINE)  
STA. W 200+50 - W 212+00

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS  
AND RADII FOR SIDE ROADS)  
STA. W 200+50 - W 219+50 (SOLID LT & RT)

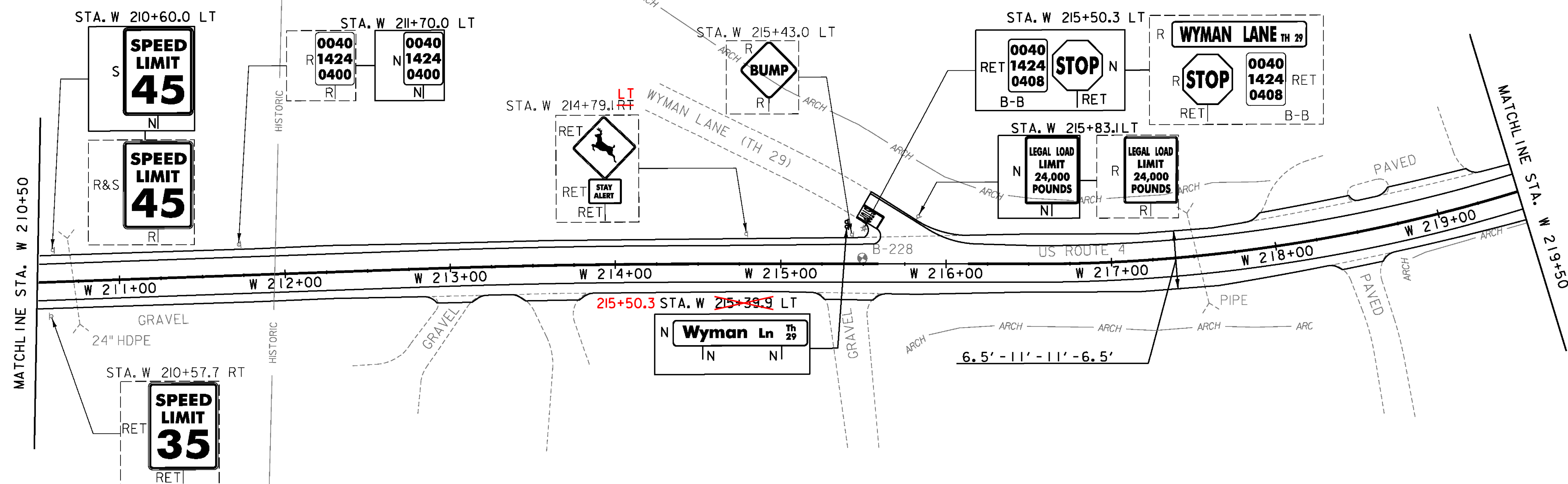
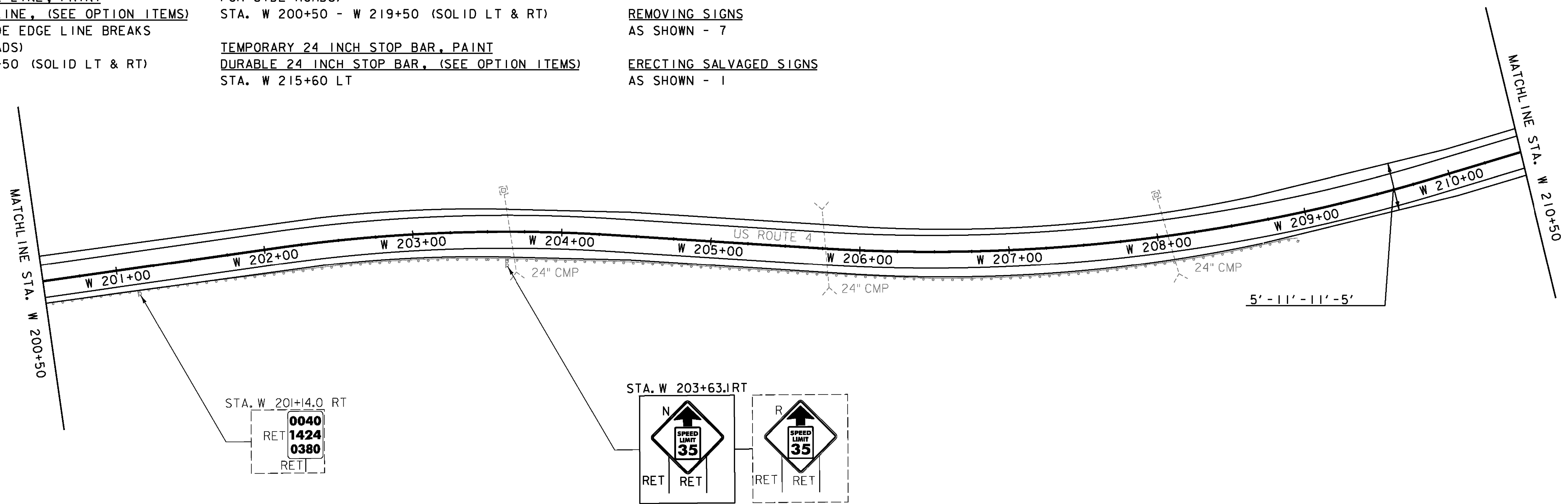
TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS  
FOR SIDE ROADS)  
STA. W 200+50 - W 219+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
STA. W 215+60 LT

TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
STA. W 215+60 LT "STOP" (4 EA)

REMOVING SIGNS  
AS SHOWN - 7

ERECTING SALVAGED SIGNS  
AS SHOWN - 1



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

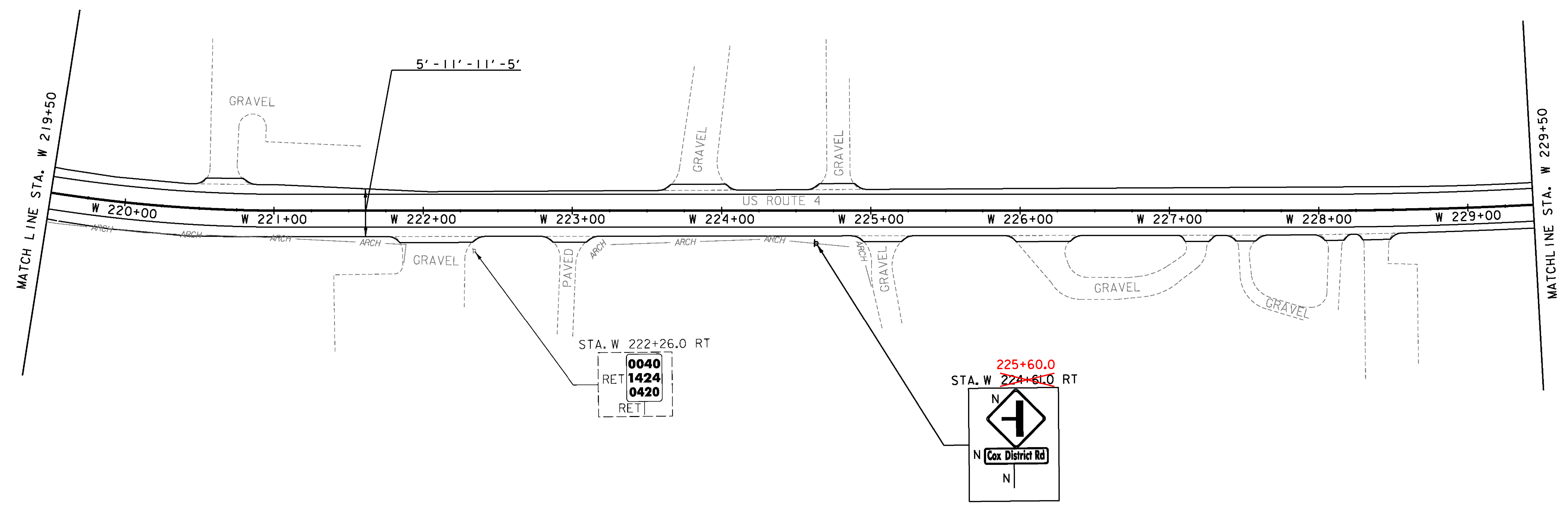
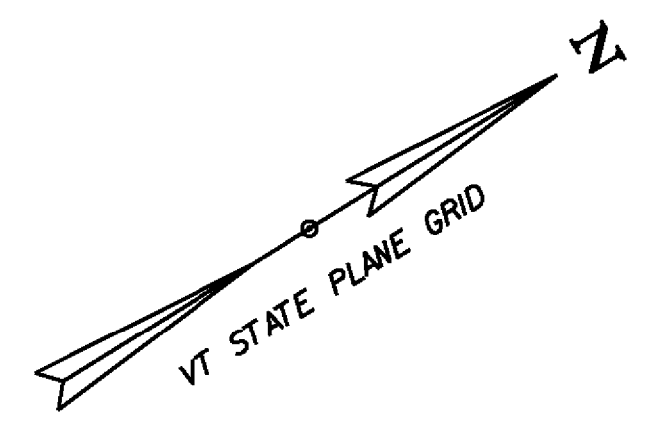
PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 69 OF 146

NOT TO SCALE

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 219+50 - W 229+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 219+50 - W 229+50 (SOLID LT & RT)



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

NOT TO SCALE

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET	43
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	70 OF 146

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 229+50 - W 239+50 (SOLID LT & RT)

TEMPORARY 8 INCH WHITE LINE, PAINT  
 DURABLE 8 INCH WHITE LINE, (SEE OPTION ITEMS)  
 STA. W 232+19 - W 232+39 (GORE)

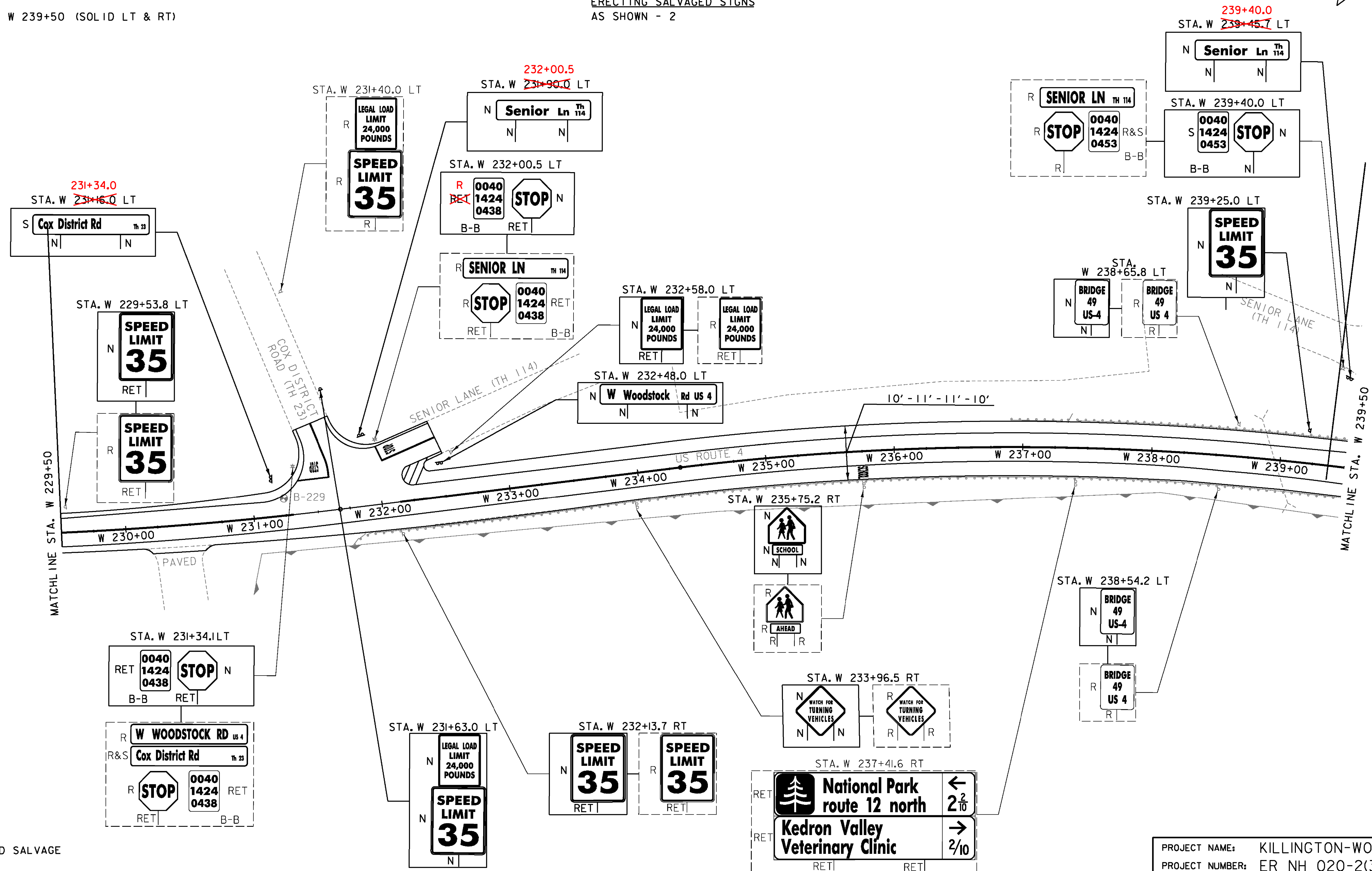
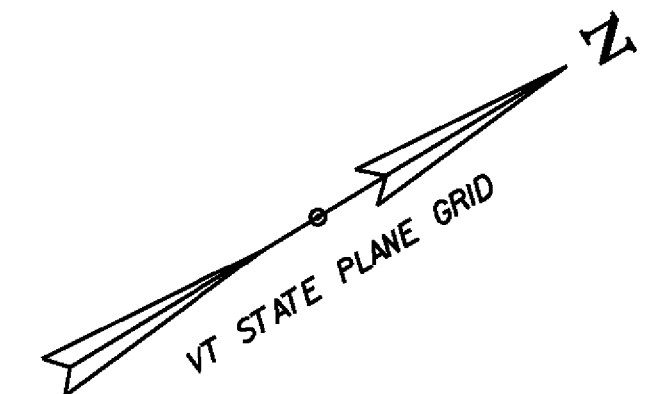
TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 231+48 LT "STOP" (4 EA)  
 STA. W 232+05 LT "STOP" (4 EA)  
 STA. W 235+75 RT "SCHOOL" (6 EA)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 229+50 - W 239+50 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 231+48 LT  
 STA. W 232+05 LT

REMOVING SIGNS  
 AS SHOWN - 18

ERECTING SALVAGED SIGNS  
 AS SHOWN - 2



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 44  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEI  
 SHEET 71 OF 146

NOT TO SCALE

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS  
 AND RADII FOR SIDE ROADS)  
 STA. W 239+50 - W 249+50 (SOLID LT & RT)  
 STA. W 242+60 - W 244+50 (SOLID LT)  
 STA. W 244+50 - W 245+75 (DOTTED LT)

TEMPORARY 8 INCH YELLOW LINE, PAINT  
 DURABLE 8 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 STA. W 240+50 - W 242+29 (GORE)  
 STA. W 244+75 - W 247+75 (GORE)

TEMPORARY 24 INCH STOP BAR, PAINT  
 DURABLE 24 INCH STOP BAR, (SEE OPTION ITEMS)  
 STA. W 239+75 LT  
 STA. W 242+55 RT

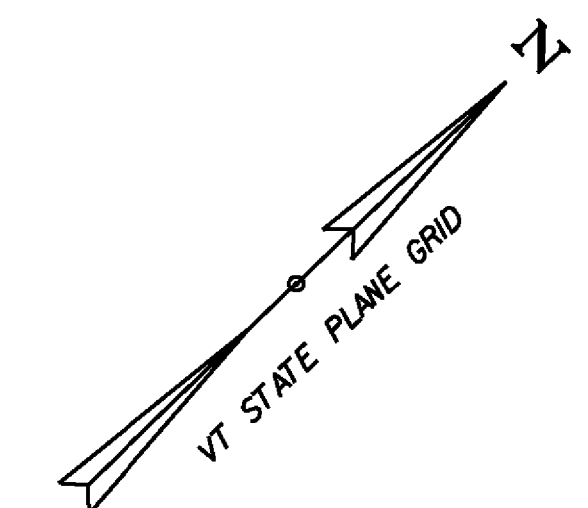
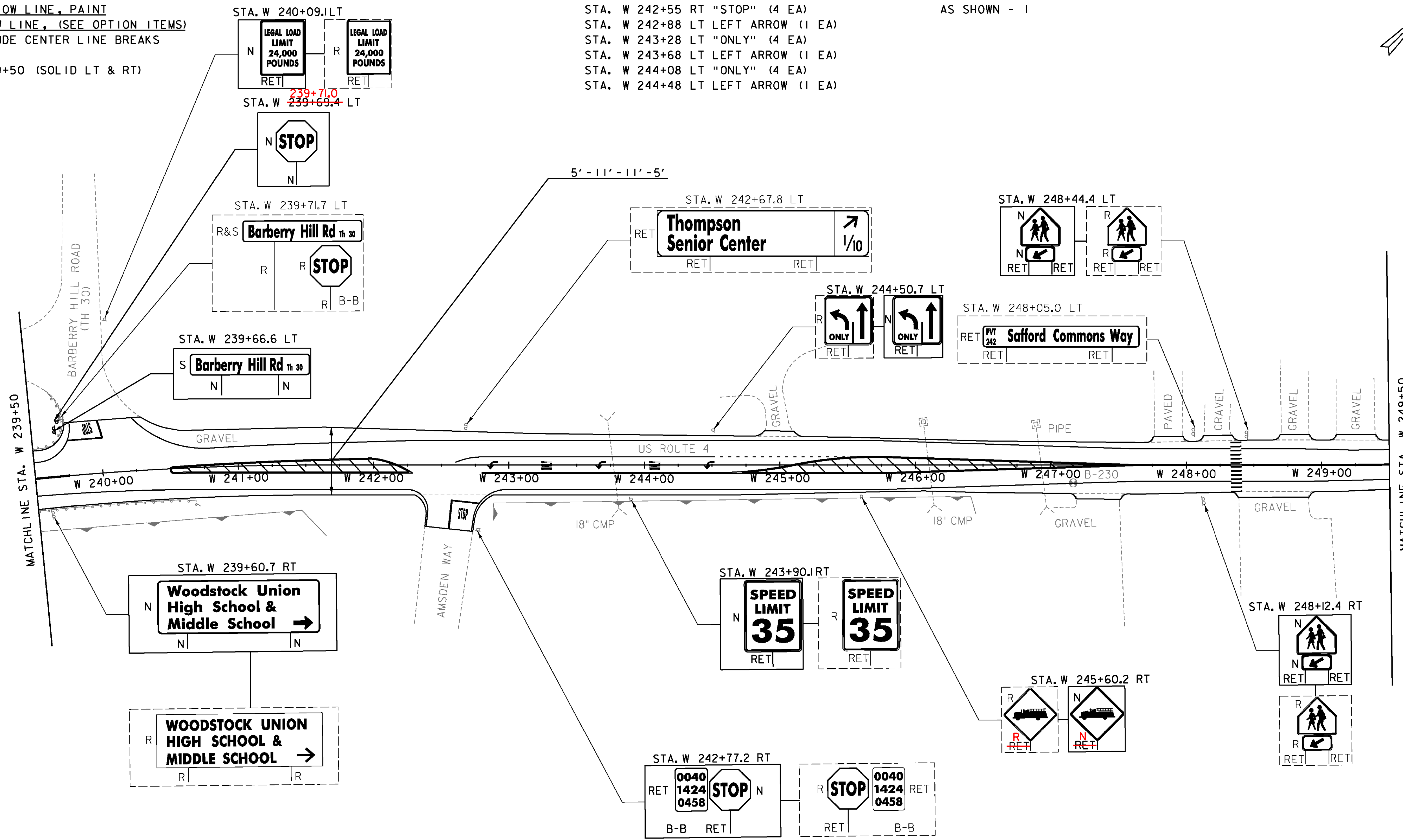
TEMPORARY CROSSWALK MARKING PAINT  
 DURABLE CROSSWALK MARKING, (SEE OPTION ITEMS)  
 STA. W 248+33

REMOVING SIGNS  
 AS SHOWN - 12

ERECTING SALVAGED SIGNS  
 AS SHOWN - 1

TEMPORARY LETTER OR SYMBOL, PAINT  
 DURABLE LETTER OR SYMBOL, (SEE OPTION ITEMS)  
 STA. W 239+75 LT "STOP" (4 EA)  
 STA. W 242+55 RT "STOP" (4 EA)  
 STA. W 242+88 LT LEFT ARROW (1 EA)  
 STA. W 243+28 LT "ONLY" (4 EA)  
 STA. W 243+68 LT LEFT ARROW (1 EA)  
 STA. W 244+08 LT "ONLY" (4 EA)  
 STA. W 244+48 LT LEFT ARROW (1 EA)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 239+50 - W 249+50 (SOLID LT & RT)



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

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92bdr.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW/S. MUSTO  
 PLAN SHEET 45  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEI  
 SHEET 72 OF 146

NOT TO SCALE

STEEL BEAM GUARDRAIL, GALVANIZED  
STA. W 258+47.4 LT - W 259+09.9 LT

REMOVAL AND DISPOSAL OF GUARDRAIL  
STA. W 258+47.4 LT - W 259+09.9 LT

TEMPORARY 4 INCH WHITE LINE, PAINT  
DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI FOR SIDE ROADS)  
STA. W 249+50 - W 259+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
(ALL LINES WILL INCLUDE CENTER LINE BREAKS FOR SIDE ROADS)  
STA. W 249+50 - W 259+50 (SOLID LT & RT)

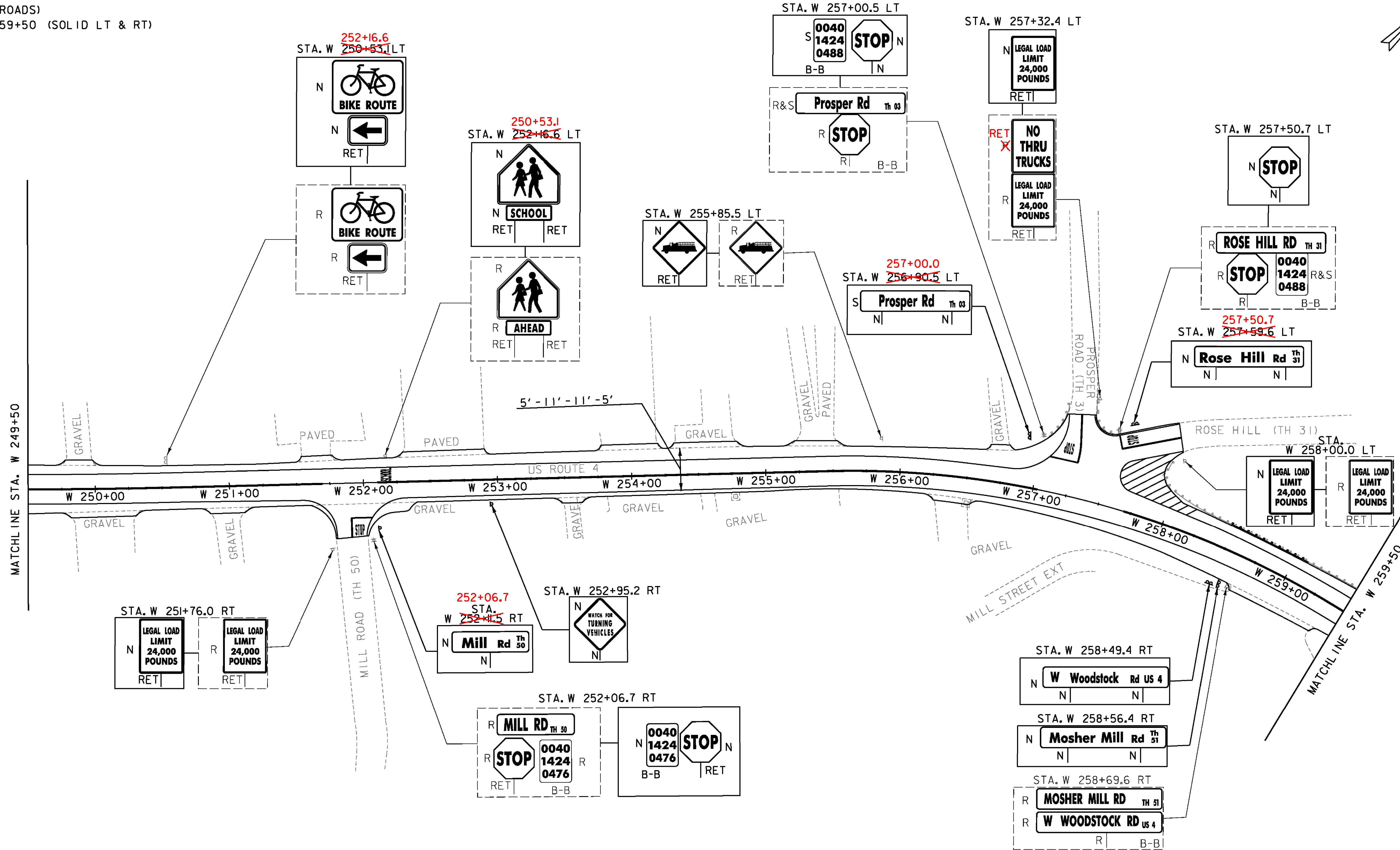
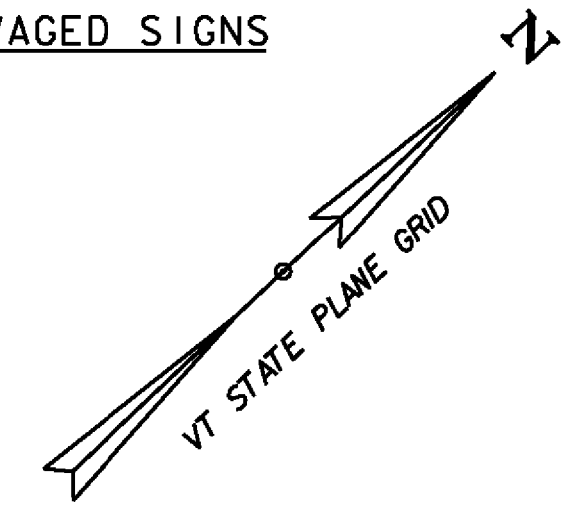
TEMPORARY 8 INCH WHITE LINE, PAINT  
DURABLE 8 INCH WHITE LINE, (SEE OPTION ITEMS)  
STA. W 257+59 - W 258+20 (GORE)

TEMPORARY 24 INCH STOP BAR, PAINT  
DURABLE 24 INCH STOP BAR, (SEE OPTION ITEM)  
W 251+98 RT  
W 257+18 LT  
W 257+54 LT

TEMPORARY LETTER OR SYMBOL, PAINT  
DURABLE LETTER OR SYMBOL, (SEE OPTION ITEM)  
W 251+96 RT "STOP" (4 EA)  
W 252+17 LT "SCHOOL" (6 EA)  
W 257+20 LT "STOP" (4 EA)  
W 257+62 LT "STOP" (4 EA)

REMOVING SIGNS  
AS SHOWN - 19

ERECTING SALVAGED SIGNS  
AS SHOWN - 2



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

NOT TO SCALE

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92bdr.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW/S. MUSTO  
PLAN SHEET 46

PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 73 OF 146

**CHANGING ELEVATION OF SEWER MANHOLES**

STA. W 266+45.1 LT  
 STA. W 267+92.5 LT  
 STA. W 268+48.1 LT

**MANUFACTURED TERMINAL SECTION, FLARED**

STA. W 273+47.4 RT - W 273+84.9 RT

**REMOVAL AND DISPOSAL OF GUARDRAIL**

STA. W 273+47.4 RT - W 273+84.9 RT

**TEMPORARY 4 INCH WHITE LINE, PAINT**

**DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND  
 RADI1 FOR SIDE ROADS)  
 STA. W 259+50 - W 279+50 (SOLID LT & RT)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**

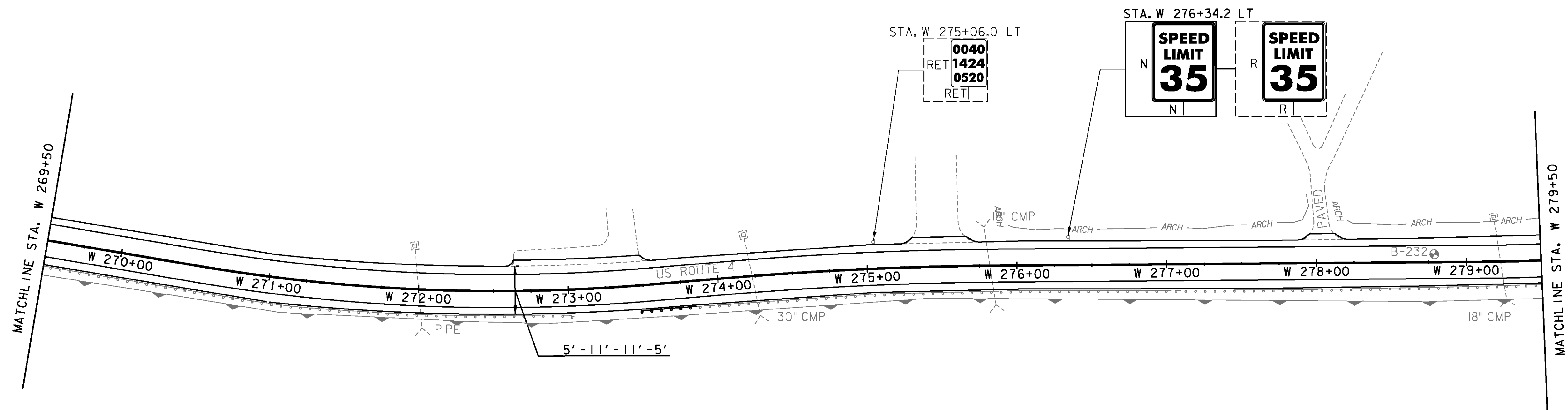
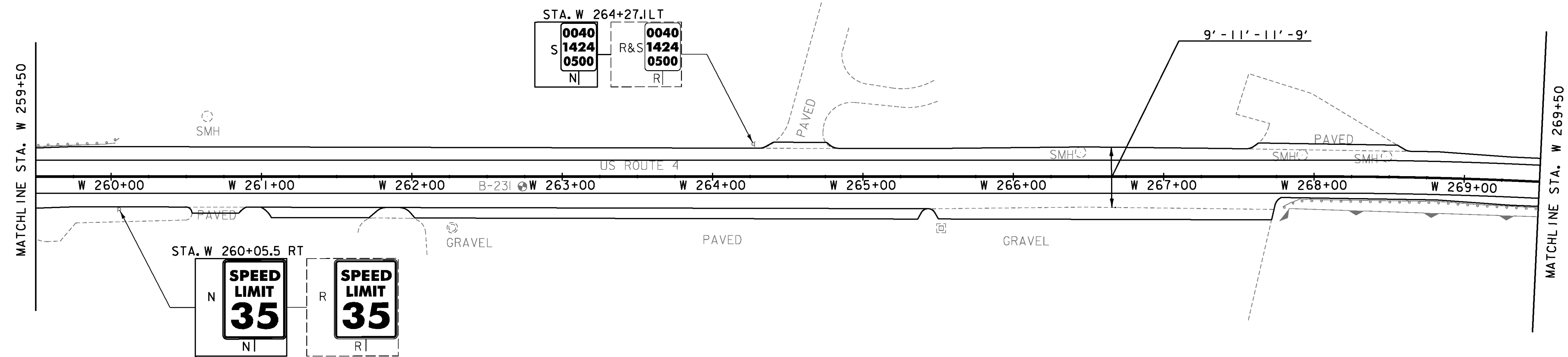
**DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)**  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 259+50 - W 279+50 (SOLID LT & RT)

**REMOVING SIGNS**

AS SHOWN - 3

**ERECTING SALVAGED SIGNS**

AS SHOWN - 1



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92bdr.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW/S. MUSTO	CHECKED BY: ATKINS/SOBEL
PLAN SHEET 47	SHEET 74 OF 146

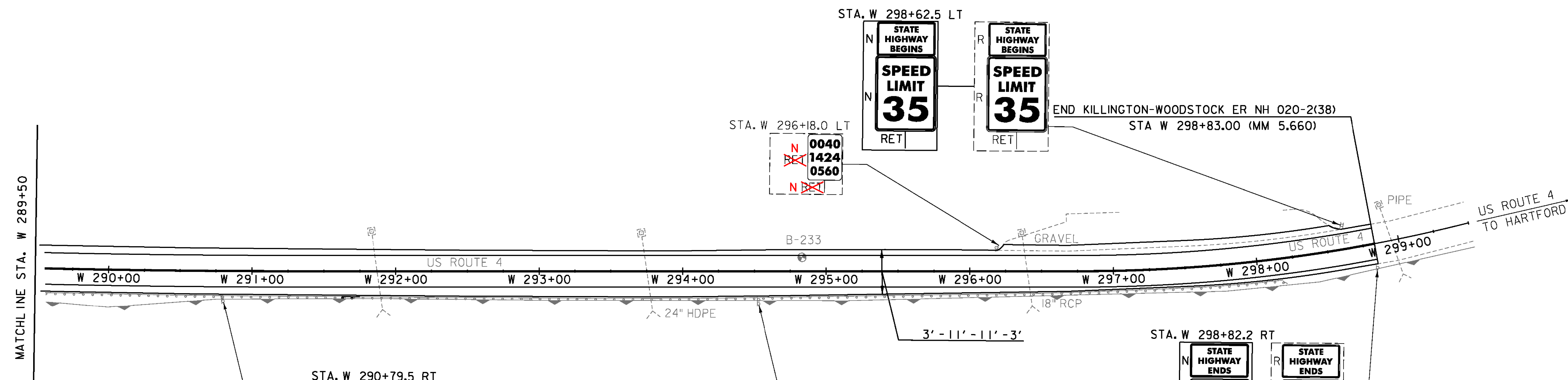
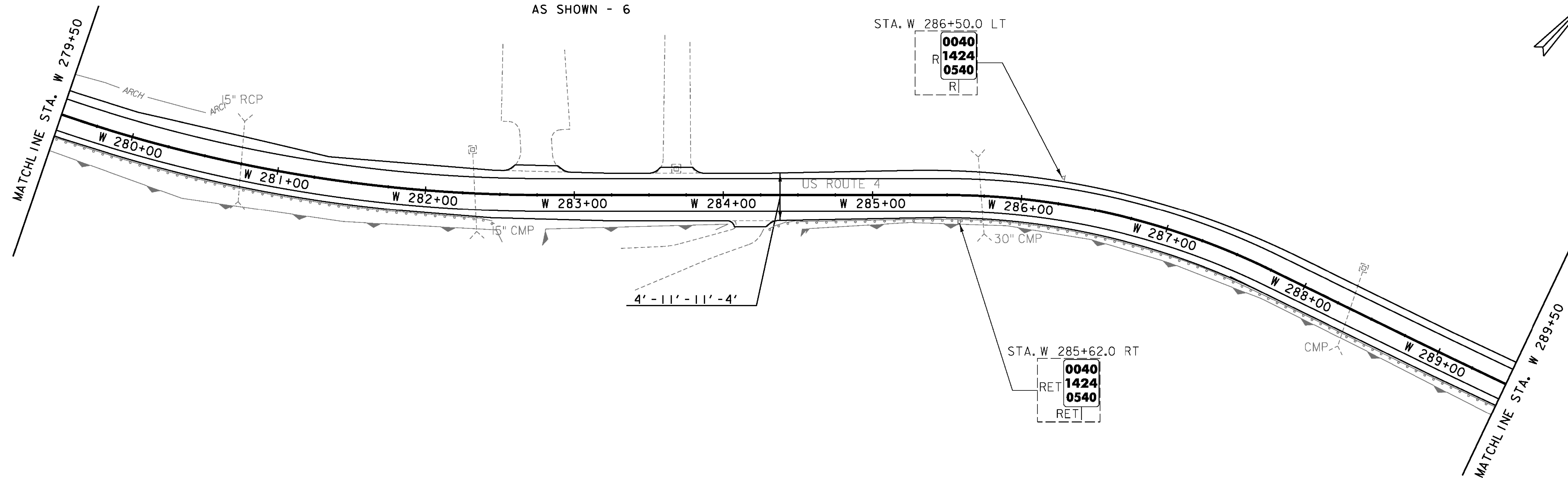
NOT TO SCALE

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA. W 291+61.4 RT - W 291+73.9 RT  
 REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA. W 291+61.4 RT - W 291+73.9 RT

TEMPORARY 4 INCH WHITE LINE, PAINT  
 DURABLE 4 INCH WHITE LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND  
 RADII FOR SIDE ROADS)  
 STA. W 279+50 - W 298+83 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT  
 DURABLE 4 INCH YELLOW LINE, (SEE OPTION ITEMS)  
 (ALL LINES WILL INCLUDE CENTER LINE BREAKS  
 FOR SIDE ROADS)  
 STA. W 279+50 - W 298+83 (SOLID LT & RT)

REMOVING SIGNS  
 AS SHOWN - 6



**SIGN LEGEND**

- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- = EXISTING
- = NEW

RET	Gillingham Store left on elm st.	↑	7/10
RET	Prince & Pauper left on elm st.	↑	8/10
RET	Billings Farm & Museum VT 12N	←	2

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW/S. MUSTO
PLAN SHEET	48
PLOT DATE:	3/7/2016
DRAWN BY:	I. KHALID
CHECKED BY:	ATKINS/SOBEL
SHEET	75 OF 146

NOT TO SCALE

# TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL																																													
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINING SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)			W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																								
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5		4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE																																						
OPTION ITEMS																																																																				
US ROUTE 4																																																																				
K 401+28.0 LT			6	10	0.42																								INSTALL NEW SIGN ON NEW POST VD-700			T-44																																				
K 403+32.2 LT			30	30	6.25																								INSTALL NEW SIGN ON EXISTING POST	W2-2R																																						
K 406+78.9 LT			36	36	9.00																								INSTALL NEW SIGN ON EXISTING POSTS VW-205			T-82																																				
K 409+65.6 LT			72	18	0																								RETAIN EXISTING SIGN ON EXISTING POSTS																																							
			72	18	0																								RETAIN EXISTING SIGN ON EXISTING POSTS (SUB-MOUNTED WITH PREVIOUS SIGN)																																							
K 411+84.0 RT			6	10	0.42																								INSTALL NEW SIGN ON NEW POST VD-700			T-44																																				
K 417+20.0 RT			72	18	0																								RETAIN EXISTING SIGN ON EXISTING POSTS																																							
K 421+90.3 LT			54	12	4.50																								INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		126																																					
K 421+90.3 LT			30	30	6.25																								INSTALL NEW SIGN ON NEW POST	RI-1																																						
			6	10	0.42																								INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700			T-44																																				
K 422+41.5 LT			24	30	5.00																								INSTALL NEW SIGN ON NEW POST VR-017			E-141																																				
K 425+47.4 RT			24	30	5.00																								INSTALL NEW SIGN ON EXISTING POST VR-017			E-141																																				
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="text-align: center;"><b>TOTALS</b></td> <td>SF</td> <td>SF</td> <td>EA.</td> <td>EA.</td> <td></td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>EA</td> <td>LB</td> <td>LB</td> <td>LB</td> <td>EA.</td> <td>LB</td> <td>EA.</td> <td>EA.</td> <td>LB</td> </tr> <tr> <td>37.26</td> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB	37.26			7																
<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB																																																
	37.26			7																																																																

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 1

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 76 OF 146

# TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL						
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
K 425+83.4 RT		I	30	30	6.25		I	X																					INSTALL NEW SIGN ON EXISTING POST	RI-1	
		I	6	10	0.42		I																						INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700		T-44
K 425+90.3 RT		I	54	12	4.50		I		2				25.0	*			2												INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		126
K 431+78.2 RT		I	30	18	3.75		I																						INSTALL NEW SIGN ON EXISTING POST		123
K 432+39.5 LT		I	54	12	4.50		I		2				27.0	*			2												INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		126
K 432+49.8 LT		I	30	30	6.25		I	I	X					*			X												INSTALL NEW SIGN ON NEW POST	RI-1	
		I	6	10	0.42		I																						INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700		T-44
K 432+94.9 LT		I	24	30	5.00		I	I																					INSTALL NEW SIGN ON EXISTING POST VR-017		E-141
K 433+37.7 RT		I	12	36	3.00		I	X	I				11.5				I												INSTALL NEW SIGN ON EXISTING POST	OM3-R	
K 433+37.7 RT		I	6	10	0.42		I		I				8.0	*			I												INSTALL NEW SIGN ON NEW POST VD-701		T-42
K 433+95.4 LT		I	12	36	3.00		I	I																					INSTALL NEW SIGN ON EXISTING POST	OM3-L	
K 435+46.7 RT		I	12	36	3.00		I	I																					INSTALL NEW SIGN ON EXISTING POST	OM3-L	
K 429+87.2 RT							I																								
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		<p>FT FT FT FT FT FT</p> <p>EA LB LB LB LB LB LB</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>		<p>EA EA</p>	
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		40.51		12									19.5	52.0	85.0																

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 2  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 77 OF 146

# TRAFFIC SIGN SUMMARY SHEET 3

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL																																																																																																																																																																									
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																																																																																																																																																							
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"					30"	WEIGHT	POST SIZE																																																																																																																																																																				
OPTION ITEMS																																																																																																																																																																																																			
US ROUTE 4																																																																																																																																																																																																			
K 435+47.5 RT		I	24	30	5.00		I	I																					INSTALL NEW SIGN ON EXISTING POST VR-017			E-141																																																																																																																																																																			
K 435+58.6 RT		I	66	12	5.50		I		2					*	27.0														INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		126																																																																																																																																																																				
K 436+02.9 LT		I	6	10	0.42		I		1					*	8.0														INSTALL NEW SIGN ON NEW POST VD-701			T-42																																																																																																																																																																			
K 436+02.9 LT		I	12	36	3.00		I		1																				INSTALL NEW SIGN ON EXISTING POST		OM3-R																																																																																																																																																																				
K 436+09.6 RT		I	30	30	6.25		I		1																				INSTALL NEW SIGN ON EXISTING POST		RI-1																																																																																																																																																																				
		I	6	10	0.42		I		1																				INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700			T-44																																																																																																																																																																			
K 437+89.0 RT		I	36	36	9.00		I		2					*	30.5														INSTALL NEW SIGN ON NEW POSTS		WI-10L																																																																																																																																																																				
		I	24	24	4.00		I		1																				INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		WI3-IP (40)																																																																																																																																																																				
K 441+50.0 RT		I	36	36	9.00		I		2																				INSTALL NEW SIGN ON EXISTING POSTS VW-205			T-82																																																																																																																																																																			
K 442+51.4 RT		I	21	15	2.20		I		1					*	15.0														INSTALL NEW SIGN ON NEW POST GREEN LEGEND ON WHITE BACKGROUND		M2-1																																																																																																																																																																				
		I	30	24	5.00		I		1																				INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			E-136B																																																																																																																																																																			
K 443+52.0 LT			6	10			I	I	1					*	8.0														SALVAGE EXISTING SIGN ONTO NEW POST																																																																																																																																																																						
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																																																																																																																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="text-align: center;"><b>TOTALS</b></td> <td>SF</td> <td>SF</td> <td>EA.</td> <td>EA.</td> <td></td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>EA.</td> <td>LB</td> <td>LB</td> <td>LB</td> <td>EA.</td> <td>LB</td> <td>EA.</td> <td>EA.</td> <td>LB</td> </tr> <tr> <td>49.79</td> <td></td> <td>1</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB	49.79		1	12																																																																																																																																																
<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB																																																																																																																																																																																
	49.79		1	12																																																																																																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT NAME:</td> <td colspan="27">KILLINGTON-WOODSTOCK</td> </tr> <tr> <td>PROJECT NUMBER:</td> <td colspan="27">ER NH 020-2(38)</td> </tr> <tr> <td>FILE NAME:</td> <td colspan="13">z13bi92fss.dgn</td> <td colspan="14">PLOT DATE: 3/7/2016</td> </tr> <tr> <td>PROJECT LEADER:</td> <td colspan="13">E. ATKINS</td> <td colspan="14">DRAWN BY: I. KHALID</td> </tr> <tr> <td>DESIGNED BY:</td> <td colspan="13">T. BIGELOW</td> <td colspan="14">CHECKED BY: ATKINS/SOBEL</td> </tr> <tr> <td>TRAFFIC SIGN SUMMARY SHEET 3</td> <td colspan="13"></td> <td colspan="14">SHEET 78 OF 146</td> </tr> </table>																												PROJECT NAME:	KILLINGTON-WOODSTOCK																											PROJECT NUMBER:	ER NH 020-2(38)																											FILE NAME:	z13bi92fss.dgn													PLOT DATE: 3/7/2016														PROJECT LEADER:	E. ATKINS													DRAWN BY: I. KHALID														DESIGNED BY:	T. BIGELOW													CHECKED BY: ATKINS/SOBEL														TRAFFIC SIGN SUMMARY SHEET 3														SHEET 78 OF 146													
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TRAFFIC SIGN SUMMARY SHEET 3														SHEET 78 OF 146																																																																																																																																																																																					

# TRAFFIC SIGN SUMMARY SHEET 4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL					
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REMAINING SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE
OPTION ITEMS																														
US ROUTE 4																														
K 444+92.4 LT		I	24	30	5.00		I																					INSTALL NEW SIGN ON EXISTING POST	R2-1	
K 446+60.9 RT		I	72	12	6.00		I																					INSTALL NEW SIGN ON NEW POSTS, SPECIAL PROVISION (SOIL BEARING SLIP BASES) REQUIRED		124
		I	72	12	6.00		I																					INSTALL NEW SIGN (SUB-MOUNTED)		124
		I	72	12	6.00		I																					INSTALL NEW SIGN (SUB-MOUNTED)		124
		I	72	12	6.00		I																					INSTALL NEW SIGN (SUB-MOUNTED)		124
K 446+89.6 LT		I	24	12	2.00		I																					INSTALL NEW SIGN ON NEW FRAME/POSTS BLACK LEGEND ON WHITE BACKGROUND	M3-4	
		I	24	24	4.00		I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4	
			18	24			I																					SALVAGE EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN) CROSSROAD BYWAY		
		I	24	12	2.00		I																					INSTALL NEW SIGN MOUNT ON THE PREVIOUS FRAME GREEN LEGEND ON WHITE BACKGROUND	M3-1	
		I	30	24	5.00		I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		E-136B
			18	24			I																					SALVAGE EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN) SCENIC BYWAY		

THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".

<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB
	42.00		2	10																

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 4

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 79 OF 146

*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK

# TRAFFIC SIGN SUMMARY SHEET 5

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL						
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE		
OPTION ITEMS																																
US ROUTE 4																																
B 0+24.7 RT		1	72	10	<del>3.00</del>			2	X																				INSTALL NEW SIGN ON NEW POSTS			T-94
		1	72	10	<del>3.00</del>																								INSTALL NEW SIGN (SUB-MOUNT WITH TOWN LINE SIGN)			T-94
			6	10	0																								SALVAGE EXISTING SIGN (SUB-MOUNT WITH COUNTY LINE SIGN)			
		1	6	10	0.42																								INSTALL NEW SIGN (SUB-MOUNT WITH COUNTY LINE SIGN) VD-700			T-44
B 1+53.4 RT		1	24	12	2.00			1	1																				INSTALL NEW SIGN ON EXISTING FRAME/POSTS BLACK LEGEND ON WHITE BACKGROUND	M3-2		
		1	24	24	4.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4		
		1	21	15	2.20			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) BLACK LEGEND ON WHITE BACKGROUND	M6-3		
		1	24	12	2.00			1	1																				INSTALL NEW SIGN MOUNT ON THE PREVIOUS FRAME GREEN LEGEND ON WHITE BACKGROUND	M3-3		
		1	30	24	5.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			E-136B
		1	21	15	2.20			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) GREEN LEGEND ON WHITE BACKGROUND	M6-IR		
			18	24	0																								SALVAGE EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)			
B 2+78.4 LT		1	12	36	3.00			1	1																				INSTALL NEW SIGN ON EXISTING POST	OM3-L		

THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".

<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB
	<del>30.82</del>	<del>20.82</del>	X	8						<del>30.0</del>	<del>0</del>									

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 5

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 80 OF 146

*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK

# TRAFFIC SIGN SUMMARY SHEET 6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL						
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			RETAIN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE		
OPTION ITEMS																																
US ROUTE 4																																
B 3+55.0 RT		1	36	36	9.00			1	2																			INSTALL NEW SIGN ON EXISTING POSTS	RI-1			
		1	6	10	0.42			1																				INSTALL NEW SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN) VD-700			T-44	
		1	6	10	0.42			1																				INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700			T-44	
B 3+62.7 RT		1	12	36	3.00			1																				INSTALL NEW SIGN ON EXISTING POST	OM3-R			
B 3+62.7 RT		1	6	10	0.42			1																				INSTALL NEW SIGN ON NEW POST VD-701			T-42	
B 5+46.9 LT		1	6	10	0.42			1																				INSTALL NEW SIGN ON EXISTING POST VD-701			T-42	
B 5+46.9 LT		1	12	36	3.00			1																				INSTALL NEW SIGN ON EXISTING POST	OM3-R			
B 5+55.1 LT			24	12	0																							RETAIN EXISTING SIGN ON EXISTING POSTS GREEN LEGEND ON WHITE BACKGROUND				
			30	24	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)				
			21	15	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN) GREEN LEGEND ON WHITE BACKGROUND				
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		16.68			7																											

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 6  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 81 OF 146

# TRAFFIC SIGN SUMMARY SHEET 7

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL							
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			RETAIN SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)			W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER					
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE			
OPTION ITEMS																																	
US ROUTE 4																																	
B 5+55.1LT	WEST RET.		24	12	0																								RETAIN EXISTING SIGN ON EXISTING POSTS WITH PREVIOUS SIGNS BLACK LEGEND ON WHITE BACKGROUND				
	4 RET.		24	24	0																								RETAIN EXISTING SIGN (SUB-MOUNTED WITH THE PREVIOUS SIGN)				
	RET.		21	15	0																								RETAIN EXISTING SIGN (SUB-MOUNTED WITH THE PREVIOUS SIGN) BLACK LEGEND ON WHITE BACKGROUND				
B 5+55.1LT	NORTH RET.		24	12	0			I																					RETAIN EXISTING SIGN ON EXISTING POST GREEN LEGEND ON WHITE BACKGROUND				
	100 RET.		30	24	0																								RETAIN EXISTING SIGN (SUB-MOUNTED WITH THE PREVIOUS SIGN)				
	RET.		21	15	0																								RETAIN EXISTING SIGN (SUB-MOUNTED WITH THE PREVIOUS SIGN) GREEN LEGEND ON WHITE BACKGROUND				
B 6+05.8 LT	Cram Tr ^{LT} 02	I	42	12	3.50																								INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POST WHITE LEGEND ON BLUE BACKGROUND		126		
B 6+15.7 RT		I	12	36	3.00			I																					INSTALL NEW SIGN ON EXISTING POST	OM3-L			
B 6+47.5 RT	EAST	I	24	12	2.00			I																					INSTALL NEW SIGN ON EXISTING POST BLACK LEGEND ON WHITE BACKGROUND	M3-2			
	4	I	24	24	4.00			I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4			
			18	24	0																								RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN) CROSSROAD BYWAY				
B 6+13.8 LT	STOP				0			I																									
					0			I																									
B 6+58.0 LT					0			I																									
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>										FT	FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
		12.50		0	6																												

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 7  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 82 OF 146

# TRAFFIC SIGN SUMMARY SHEET 8

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL						
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"					30"	WEIGHT	POST SIZE	
OPTION ITEMS																																
US ROUTE 4																																
B 7+88.1 LT		1	72	12	6.00			1	2																					INSTALL NEW SIGN ON NEW POSTS, SPECIAL PROVISION (SOIL BEARING SLIP BASES) REQUIRED		124
		1	72	12	6.00			1																						INSTALL NEW SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN)		124
		1	72	12	6.00			1																						INSTALL NEW SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN)		124
		1	72	12	6.00			1																						INSTALL NEW SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN)		124
B 8+47.8 RT			24	30	0			1																						RETAIN EXISTING SIGN ON EXISTING POST		
B 10+54.3 LT		1	36	36	9.00				2																					INSTALL NEW SIGN ON NEW POST	WI-10R	
		1	24	24	4.00																									INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	WI3-IP (40)	
B 10+81.0 RT		1	6	10	0.42			1	1																					INSTALL NEW SIGN ON EXISTING POST VD-700		T-44
B 11+24.6 RT		1	30	30	6.25			1	1																					INSTALL NEW SIGN ON NEW POST VW-001		T-80
		1	24	18	3.00			1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	W7-3AP	
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		46.67		1	8																											

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 8





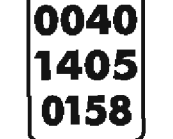







PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 83 OF 146



# TRAFFIC SIGN SUMMARY SHEET 10

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL																																											
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAIN	SALVAGE	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)			W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																					
												1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0		3.5	4.0	5.0	24"				30"	WEIGHT	POST SIZE																																		
OPTION ITEMS																																																																		
US ROUTE 4																																																																		
B 66+46.9 RT		I	6	10	0.42			I																								INSTALL NEW SIGN ON NEW POST VD-701			T-42																															
B 66+46.9 RT		I	12	36	3.00			X																								INSTALL NEW SIGN ON EXISTING POST	OM3-R																																	
B 66+73.9 LT		I	12	36	3.00			I																								INSTALL NEW SIGN ON EXISTING POST	OM3-L																																	
B 67+98.6 RT		I	12	36	3.00			I																								INSTALL NEW SIGN ON EXISTING POST	OM3-L																																	
B 68+28.4 LT		I	12	36	3.00			I																								INSTALL NEW SIGN ON EXISTING POST	OM3-R																																	
B 68+28.4 LT		I	6	10	0.42			I																								INSTALL NEW SIGN ON NEW POST VD-701			T-42																															
B 69+92.0 RT		I	24	30	5.00			I																								INSTALL NEW SIGN ON NEW POST VR-017			E-141																															
B 70+23.8 RT		I	30	30	6.25			I																								INSTALL NEW SIGN ON EXISTING POST	RI-1																																	
		I	6	10	0.42			I																								INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			T-44																															
B 70+23.8 RT B 70+34.8 RT		I	63	12	5.25			I																								INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		126																																
B 74+17.0 LT			6	10	0			I																								RETAIN EXISTING SIGN ON EXISTING POST																																		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="text-align: center;"><b>TOTALS</b></td> <td>SF</td> <td>SF</td> <td>EA.</td> <td>EA.</td> <td></td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>EA</td> <td>LB</td> <td>LB</td> <td>LB</td> <td>EA.</td> <td>LB</td> <td>EA.</td> <td>EA.</td> <td>LB</td> </tr> <tr> <td>29.76</td> <td></td> <td></td> <td>10</td> <td></td> <td>20.0</td> <td>45.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB	29.76			10		20.0	45.0												
<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB																																															
	29.76			10		20.0	45.0																																																											
												<p>PROJECT NAME: KILLINGTON-WOODSTOCK PROJECT NUMBER: ER NH 020-2(38)</p>												<p>FILE NAME: z13bi92tss.dgn PROJECT LEADER: E. ATKINS DESIGNED BY: T. BIGELOW TRAFFIC SIGN SUMMARY SHEET 10</p>				<p>PLOT DATE: 3/7/2016 DRAWN BY: I. KHALID CHECKED BY: ATKINS/SOBEL SHEET 85 OF 146</p>																																						

# TRAFFIC SIGN SUMMARY SHEET 11

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL									
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMA SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)			W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5		4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE		
OPTION ITEMS																																
B 80+24.8 RT		I	30	30	6.25		I																							INSTALL NEW SIGN ON NEW POSTS	WI-4L	
B 84+11.8 RT		I	72	12	6.00		I																							INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		126
B 83+88.9 RT		I	24	30	5.00		I	X																						INSTALL NEW SIGN ON EXISTING POST VR-017		E-141
B 84+11.8 RT		I	30	30	6.25		I																							INSTALL NEW SIGN ON EXISTING POST	RI-1	
		I	6	10	0.42		I																							INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)		T-44
B 84+77.1 RT		I	6	10	0.42		I																							INSTALL NEW SIGN ON NEW POST VD-701		T-42
B 84+77.1 RT		I	12	36	3.00		I																							INSTALL NEW SIGN ON EXISTING POST	OM3-R	
B 84+85.1 LT		I	12	36	3.00		I																							INSTALL NEW SIGN ON EXISTING POST	OM3-L	
B 86+31.6 RT		I	12	36	3.00		I																							INSTALL NEW SIGN ON EXISTING POST	OM3-L	
B 86+44.1 LT		I	12	36	3.00		I																							INSTALL NEW SIGN ON NEW POST	OM3-R	
B 86+44.1 LT		I	6	10	0.42		I																							INSTALL NEW SIGN ON NEW POST VD-701		T-42
B 88+55.3 RT		I	30	30	6.25		I	X																						INSTALL NEW SIGN ROTATED 180 DEGREES ON EXISTING POST	W2-3L	
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
TOTALS		SF	SF	EA.	EA.	EA.			FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB									
		43.01			12							20.0	53.0																			


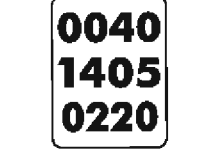
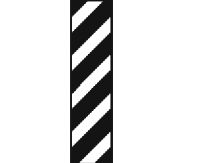



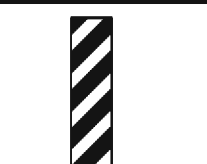





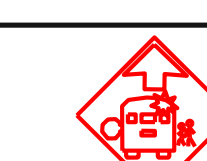
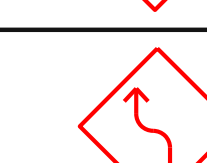
PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET II  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 86 OF 146

# TRAFFIC SIGN SUMMARY SHEET 12

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS													REMARKS	SIGN DETAIL								
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0		5.0	24"				30"	WEIGHT	POST SIZE	
OPTION ITEMS																																
US ROUTE 4																																
B 93+15.4 RT		I	24	30	5.00		I																						INSTALL NEW SIGN ON EXISTING POST VR-017			E-141
B <del>93+20.5</del> ^{93+71.0} RT		I	72	12	6.00		I						*	27.0															INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		126	
B 93+71.0 RT		I	30	30	6.25		I						*	0															INSTALL NEW SIGN ON NEW POST		RI-1	
		I	6	10	0.42		I																						INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			T-44
B 98+97.1 LT		I	30	30	6.25		I						*	14.0															INSTALL NEW SIGN ON NEW POST		W2-2L	
B 105+85.0 RT		I	6	10	0.42		O						*	8.5															INSTALL NEW SIGN ON NEW POST VD-700			T-44
B <del>109+41.3</del> ^{109+51.9} LT		I	72	12	6.00		I						*	27.0															INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		126	
B 109+51.9 LT		I	30	30	6.25		I																						INSTALL NEW SIGN ON EXISTING POST		RI-1	
			6	10	0		I																						RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
B 109+84.6 LT		I	24	30	5.00		O						*	11.5															INSTALL NEW SIGN ON NEW POST VR-017			E-141
B 111+65.0 RT		I	30	30	6.25		O						*	13.5															INSTALL NEW SIGN ON NEW POST		WI-5R	
		I	24	18	3.00		O																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		W7-3AP	
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		50.84		1	8								<del>10.0</del> 8.5	<del>128.0</del> 93.0																		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 12  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBL  
 SHEET 87 OF 146

# TRAFFIC SIGN SUMMARY SHEET 13

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																			REMARKS	SIGN DETAIL			
		E	A	WIDTH (In)	HEIGHT (In)	"A"	"B"			SALV SIGN	REM SALV THIS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
												1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"	WEIGHT					POST SIZE	
OPTION ITEMS																																	
US ROUTE 4																																	
B 115+50.0 LT		I		30	30	6.25																							INSTALL NEW SIGN ON NEW POST	WI-4L			
B 116+41.0 RT	 RET			6	10	0																							RETAIN EXISTING SIGN ON EXISTING POST				
B 118+52.1 RT		I		12	36	3.00																							INSTALL NEW SIGN ON NEW POST	OM3-R			
B 118+52.1 RT		I		6	10	0.42																							INSTALL NEW SIGN ON NEW POST VD-701			T-42	
B 118+58.8 LT		I		12	36	3.00																							INSTALL NEW SIGN ON EXISTING POST	OM3-L			
B 119+92.5 RT		I		12	36	3.00																							INSTALL NEW SIGN ON EXISTING POST	OM3-L			
B 120+08.0 LT		I		12	36	3.00																							INSTALL NEW SIGN ON EXISTING POST	OM3-R			
B 120+08.0 LT		I		6	10	0.42																							INSTALL NEW SIGN ON NEW POST VD-701			T-42	
B 126+97.0 LT	 RET			6	10	0																							RETAIN EXISTING SIGN ON EXISTING POST				
B 128+40.8 RT		I		36	36	9.00																							INSTALL NEW SIGN ON EXISTING POSTS, SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	S3-1			
B 130+37.4 RT		I		30	30	6.25																							INSTALL NEW SIGN ON NEW POST	W2-2R			
		I		30	8	1.67																							INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	W16-8P			
B 128+01.8 LT																																	
B 115+24.5 LT																																	
THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE". *STANDARD HIGHWAY SIGNS AND MARKINGS BOOK																																	
<b>TOTALS</b>		SF	SF	EA.	EA.																												
		36.01			10																												

PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92tss.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW	CHECKED BY: ATKINS/SOBL
TRAFFIC SIGN SUMMARY SHEET 13	SHEET 88 OF 146

# TRAFFIC SIGN SUMMARY SHEET 14

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT	POST SIZE					
OPTION ITEMS																																
US ROUTE 4																																
B 133+40.7 RT		I	6	10	0.42		I																					INSTALL NEW SIGN ON EXISTING POST VD-701			T-42	
B 133+57.3 LT		I	6	10	0.42		I																					INSTALL NEW SIGN ON EXISTING POST VD-701			T-42	
B 133+75.0 LT		I	24	12	2.00		I																					INSTALL NEW SIGN ON NEW POST BLACK LEGEND ON WHITE BACKGROUND	M3-4			
		I	24	24	4.00		I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4			
B 134+57.6 RT		I	24	30	5.00		I																					INSTALL NEW SIGN ON EXISTING POST VR-017			E-141	
B 135+01.9 RT		I	30	30	6.25		I																					INSTALL NEW SIGN ON EXISTING POST	RI-1			
			6	10	0.42		I																					INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			T-44	
B 135+01.9 RT		I	60	12	5.00		I		2																			INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		126		
B 135+76.6 RT		I	24	12	2.00		I																					INSTALL NEW SIGN ON NEW POST BLACK LEGEND ON WHITE BACKGROUND	M3-2			
		I	24	24	4.00		I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4			
B 140+50.0 LT		I	30	30	6.25		I																					INSTALL NEW SIGN ON NEW POST	W2-2L			
		I	30	8	1.67		I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	W16-8P			
B 135+01.9 RT							I																									
B 147+75.9 RT							I																									
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		<p>FT FT FT FT FT FT</p> <p>EA LB LB LB LB LB LB LB</p>		<p>EA. EA.</p> <p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		<p>EA. EA. LB</p>		
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
		37.43		13																												

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 14  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 89 OF 146

# TRAFFIC SIGN SUMMARY SHEET 15

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAIN SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE		
OPTION ITEMS																																
US ROUTE 4																																
B 148+09.0 LT		1	6	10	0.42			I																					INSTALL NEW SIGN ON EXISTING POST VD-700			T-44
B 149+87.9 LT		1	12	36	3.00			I						*	12.0														INSTALL NEW SIGN ON NEW POST	OM3-L		
B 150+41.5 RT		1	6	10	0.42			I						*	8.0														INSTALL NEW SIGN ON NEW POST VD-701			T-42
B 150+41.5 RT		1	12	36	3.00			I																					INSTALL NEW SIGN ON EXISTING POST	OM3-R		
B 151+54.6 LT		1	6	10	0.42			I						*	8.0					X	0								INSTALL NEW SIGN ON NEW POST VD-701			T-42
B 151+54.6 LT		1	12	36	3.00			I						*	0					X	0								INSTALL NEW SIGN ON NEW POST	OM3-R		
B 152+01.9 RT		1	12	36	3.00			I																					INSTALL NEW SIGN ON EXISTING POST	OM3-L		
B 156+16.3 LT			54	6	0																								RETAIN EXISTING SIGN ON EXISTING POST			
B 158+65.0 RT			6	10	0																								RETAIN EXISTING SIGN ON EXISTING POST			
B 159+34.9 RT		1	6	10	0.42			I																					INSTALL NEW SIGN ON EXISTING POST VD-701			T-42
B 159+42.5 LT		1	6	10	0.42			I																					INSTALL NEW SIGN ON EXISTING POST VD-701			T-42
B 169+21.0 LT		1	6	10	0.42			I																					INSTALL NEW SIGN ON EXISTING POST VD-700			T-44
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		FT		FT		FT		FT		FT		EA		LB		LB		LB		EA		EA		LB		EA		EA		LB		
		<b>TOTALS</b>	SF	SF	EA.	EA.			FT	FT	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		14.52			10																											

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 15  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 90 OF 146

# TRAFFIC SIGN SUMMARY SHEET 16

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL									
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAIN	SALVAGE	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
												1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0		5.0	24"	30"				WEIGHT	POST SIZE		
OPTION ITEMS																																		
US ROUTE 4																																		
B 175+70.3 RT		I	24	30	5.00			I																					INSTALL NEW SIGN ON EXISTING POST VR-017			E-141		
B 176+03.6 RT		I	30	30	6.25			I		X				*															INSTALL NEW SIGN ON NEW POST	RI-1				
		I	6	10	0.42			I																					INSTALL NEW SIGN (SUBMOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700			T-44		
B 176+03.6 RT		I	69	12	5.75			I						*															INSTALL NEW SIGN ON NEW POSTS		126			
B 179+77.0 RT			6	10	0			I																					RETAIN EXISTING SIGN ON EXISTING POST					
B 183+3.1 LT			30	6	0			X	I																				RETAIN EXISTING SIGN ON EXISTING POST					
B 190+33.0 LT			6	10	0			I																					RETAIN EXISTING SIGN ON EXISTING POST					
B 200+83.7 LT			6	10	0.42			I						*															INSTALL NEW SIGN ON NEW POST VD-700			T-44		
B 210+34.6 LT		I	54	12	4.50			I						*															INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		126			
B 210+34.6 LT		I	30	30	6.25			I		X				*															INSTALL NEW SIGN ON NEW POST	RI-1				
		I	6	10	0.42			I																					INSTALL NEW SIGN (SUBMOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700			T-44		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																		
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
		29.01			8									10.0	90.0																			

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 16

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 91 OF 146

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 17

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS					EXIST POST NO. OF POSTS	NEW SIGN POSTS											REMARKS	SIGN DETAIL									
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	REMAIN SIGN		FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
										1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5		4.0	5.0	FTG. SIZE	WEIGHT				POST SIZE		
OPTION ITEMS																															
US ROUTE 4																															
B 210+73.8 LT		I	24	30	5.00		I																					INSTALL NEW SIGN ON NEW POST VR-017			E-141
B 218+41.3 LT		I	30	30	6.25		I																				INSTALL NEW SIGN ON EXISTING POST	W1-5R			
B 221+76.0 LT		I	24	18	3.00		I																				INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	W7-3AP			
B 221+76.0 LT		I	6	10	0.42																						INSTALL NEW SIGN ON NEW POST VD-700			T-44	
B 232+57.0 RT			6	10	0																						RETAIN EXISTING SIGN ON EXISTING POST				
B 237+17.0 RT		I	12	36	3.00		I																				INSTALL NEW SIGN ON NEW POST	OM3-R			
B 237+17.0 RT		I	6	10	0.42																						INSTALL NEW SIGN ON NEW POST VD-701			T-42	
B 237+69.4 LT		I	12	36	3.00		I																				INSTALL NEW SIGN ON EXISTING POST	OM3-L			
B 238+82.4 RT		I	12	36	3.00		I																				INSTALL NEW SIGN ON EXISTING POST	OM3-L			
B 239+13.0 LT		I	12	36	3.00		I																				INSTALL NEW SIGN ON EXISTING POST	OM3-R			
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<b>TOTALS</b>		SF	SF	EA.	EA.																										
		27.09			8																										

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13bi92fss.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TRAFFIC SIGN SUMMARY SHEET 17  
PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEI  
SHEET 92 OF 146

# TRAFFIC SIGN SUMMARY SHEET 18

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																	REMARKS	SIGN DETAIL				
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAIN SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE	WEIGHT	POST SIZE						
OPTION ITEMS																																
US ROUTE 4																																
B 239+13.0 LT		I	6	10	0.42		I																						INSTALL NEW SIGN ON NEW POST VD-701			T-42
B 242+88.0 LT			6	10	0		I																						SALVAGE EXISTING SIGN ONTO NEW POST			
B 253+69.0 RT		I	6	10	0.42		I																						INSTALL NEW SIGN ON EXISTING POST VD-700			T-44
B 264+25.0 LT		I	6	10	0		X																						SALVAGE EXISTING SIGN ONTO NEW POST			
B 274+27.5 LT		I	48X48X36		6.00		I																						INSTALL NEW SIGN ON NEW POSTS, FACING EASTBOUND TRAFFIC	W14-3		
		I	30	30	6.25		I																						INSTALL NEW SIGN (MOUNT BACK-TO-BACK WITH PREVIOUS SIGN, FACING WESTBOUND TRAFFIC) VR-417			E-141
B 274+27.5 RT		I	24	30	5.00		0																						INSTALL NEW SIGN ON NEW POST	R4-1		
B 274+85.6 RT			6	10	0		I																						SALVAGE EXISTING SIGN ONTO NEW POST			
B 278+20.0 RT			72	18	0																								RETAIN EXISTING SIGN ON EXISTING POSTS			
B 281+13.7 RT			36	9	0																								RETAIN EXISTING SIGN ON EXISTING POST			
B 239+53 RT							I																									
B 243+16 LT							I																									
B 275+85.6 RT							I																									
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.																											
		18.09		3	10																											
<p>FT FT FT FT FT FT EA LB LB LB LB LB LB LB LB EA EA LB</p> <p>32.5 43.5 85.0 76.0</p>																																
<p>PROJECT NAME: KILLINGTON-WOODSTOCK PROJECT NUMBER: ER NH 020-2(38) FILE NAME: z13b192fss.dgn PROJECT LEADER: E. ATKINS DESIGNED BY: T. BIGELOW TRAFFIC SIGN SUMMARY SHEET 18</p> <p>PLOT DATE: 3/7/2016 DRAWN BY: I. KHALID CHECKED BY: ATKINS/SOBEL SHEET 93 OF 146</p>																																

# TRAFFIC SIGN SUMMARY SHEET 19

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL										
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER					
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT	POST SIZE								
OPTION ITEMS																																			
US ROUTE 4																																			
B 282+18.2 LT		I	12	36	3.00		I																					INSTALL NEW SIGN ON EXISTING POST	OM3-L						
B 282+33.4 RT		I	12	36	3.00		I																					INSTALL NEW SIGN ON EXISTING POST	OM3-R						
B 282+33.4 RT		I	6	10	0.42		I																					INSTALL NEW SIGN ON NEW POST VD-701		T-42					
B 283+99.9 LT		I	12	36	3.00		I																					INSTALL NEW SIGN ON EXISTING POST	OM3-R						
B 283+99.9 LT		I	6	10	0.42		I																					INSTALL NEW SIGN ON NEW POST VD-701		T-42					
B 284+17.3 RT		I	12	36	3.00		I																					INSTALL NEW SIGN ON EXISTING POST	OM3-L						
B 285+54.5 LT		I	30	30	6.25		I																					INSTALL NEW SIGN ON NEW POST VW-001		T-80					
		I	24	18	3.00		I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	W7-3AP (5)						
B 285+72.7 RT	RETAIN		36	36	0			2																				RETAIN EXISTING SIGN ON EXISTING POSTS							
B 286+72.1 RT	RETAIN		76	18	0			2																				RETAIN EXISTING SIGN ON EXISTING POSTS							
	RETAIN		76	18	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)							
B 287+79.2 LT			66	12	0		I	I	2																			SALVAGE EXISTING SIGN ONTO NEW POSTS							
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																			
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.					FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB														
		22.09		1	9																														

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 19

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 94 OF 146

# TRAFFIC SIGN SUMMARY SHEET 20

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT	POST SIZE					
OPTION ITEMS																																
US ROUTE 4																																
B 287+97.1 LT		I	30	30	6.25		I	I	+																				INSTALL NEW SIGN ON NEW POST	R1-1		
			6	10	0		I	I																					SALVAGE EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
B 288+12.7 RT		I	30	18	3.75		I	I																					INSTALL NEW SIGN ON EXISTING POST		123	
B 288+43.5 LT		I	24	30	5.00		I	I																					INSTALL NEW SIGN ON EXISTING POST VR-017			E-141
B 290+57.1 LT		I	72	12	6.00		I		2																				INSTALL NEW SIGN ON NEW POSTS		124	
		I	72	12	6.00		I																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		124	
B 291+06.3 RT		I	21	15	2.20		I	I																					INSTALL NEW SIGN ON EXISTING POST GREEN LEGEND ON WHITE BACKGROUND	M2-1		
		I	30	24	5.00		I																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			E-136B
B 294+10.0 LT		I	24	30	5.00		I	I																					INSTALL NEW SIGN ON EXISTING POST	R2-1		
B 294+10.0 RT			30	36	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB								
		39.20		1	9								45.0	26.0																		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 20  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 95 OF 146

# TRAFFIC SIGN SUMMARY SHEET 21

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL					
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"					WEIGHT	POST SIZE	
OPTION ITEMS																																
US ROUTE 4																																
B 295+95.0 RT		1	72	12	6.00			1	2																				INSTALL NEW SIGN ON EXISTING POST		125	
		1	72	12	6.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		125	
		1	72	12	6.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		125	
		1	72	12	6.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		125	
			6	10	0			0																					RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			
B 296+40.7 LT		1	24	12	2.00			1	1																				INSTALL NEW SIGN ON EXISTING POST BLACK LEGEND ON WHITE BACKGROUND	M3-4		
		1	24	24	4.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4		
			18	24	0			0																					RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN) CROSSROAD BYWAY			
B 298+01.3 RT		1	24	12	2.00			1	1																				INSTALL NEW SIGN ON EXISTING POSTS BLACK LEGEND ON WHITE BACKGROUND	M3-2		
		1	24	24	4.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4		
		1	21	15	2.20			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) BLACK LEGEND ON WHITE BACKGROUND	M6-3		
B 298+01.3 RT		1	24	12	2.00			1	1																				INSTALL NEW SIGN ON EXISTING POSTS GREEN LEGEND ON WHITE BACKGROUND	M3-3		
		1	30	24	5.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			E-136B
		1	21	15	2.20			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) GREEN LEGEND ON WHITE BACKGROUND	M6-IR		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		<p>FT FT FT FT FT FT FT</p>		EA LB LB LB		EA LB LB LB		EA EA LB		<p>TOTALS</p> <p>SF 47.40</p> <p>SF 0</p> <p>EA 12</p>		<p>FT FT</p>		EA LB		EA EA LB		<p>PROJECT NAME: KILLINGTON-WOODSTOCK</p> <p>PROJECT NUMBER: ER NH 020-2(38)</p> <p>FILE NAME: z13b192tss.dgn</p> <p>PROJECT LEADER: E. ATKINS</p> <p>DESIGNED BY: T. BIGELOW</p> <p>TRAFFIC SIGN SUMMARY SHEET 21</p>		<p>PLOT DATE: 3/7/2016</p> <p>DRAWN BY: I. KHALID</p> <p>CHECKED BY: ATKINS/SOBEL</p> <p>SHEET 96 OF 146</p>												

# TRAFFIC SIGN SUMMARY SHEET 22

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL					
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"					WEIGHT	POST SIZE	
OPTION ITEMS																																
US ROUTE 4																																
B 299+33.5 LT		1	24	12	2.00		1																						INSTALL NEW SIGN ON EXISTING FRAME/POSTS BLACK LEGEND ON WHITE BACKGROUND	M3-4		
		1	24	24	4.00		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4		
		1	21	15	2.20		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) BLACK LEGEND ON WHITE BACKGROUND	M6-IL		
B 299+33.5 LT		1	24	12	2.00		1																						INSTALL NEW SIGN ON EXISTING FRAME/POSTS BLACK LEGEND ON WHITE BACKGROUND	M3-2		
		1	24	24	4.00		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4		
		1	21	15	2.20		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) BLACK LEGEND ON WHITE BACKGROUND	M6-IR		
B 299+65.6 RT		1	30	30	6.25		1																						INSTALL NEW SIGN ON EXISTING POST	RI-1		
			6	10	0																								RETAIN EXISTING SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN)			
			6	10	0																								RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
B 299+98.3 LT		1	24	12	2.00		1																						INSTALL NEW SIGN ON EXISTING FRAME/POSTS GREEN LEGEND ON WHITE BACKGROUND	M3-3		
		1	30	24	5.00		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			E-136B
		1	21	15	2.20		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) GREEN LEGEND ON WHITE BACKGROUND	M6-IL		
B 299+98.3 LT		1	24	12	2.00		1																						INSTALL NEW SIGN ON EXISTING FRAME/POSTS BLACK LEGEND ON WHITE BACKGROUND	M3-4		
		1	24	24	4.00		1																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		<p>FT FT FT FT FT FT FT EA LB LB LB LB LB LB LB LB</p>		<p>TOTALS SF 37.85 EA. 0 EA. 12</p>		<p>FT FT LB EA. LB EA. EA. LB</p>																										

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 22  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 97 OF 146

# TRAFFIC SIGN SUMMARY SHEET 23

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL					
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REMAINING SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
B 299+98.3 LT		1	21	15	2.20																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) BLACK LEGEND ON WHITE BACKGROUND	M6-3	
B 302+28.5 RT		1	24	12	2.00			1																					INSTALL NEW SIGN ON EXISTING POST BLACK LEGEND ON WHITE BACKGROUND	M3-2	
		1	24	24	4.00																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4	
B 304+27.1 RT		1	72	12	6.00			2																					INSTALL NEW SIGN ON EXISTING POSTS	125	
		1	72	12	6.00																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	125	
B 304+61.3 LT		1	72	12	6.00																								INSTALL NEW SIGN ON NEW POSTS, SPECIAL PROVISION (SOIL BEARING SLIP BASES) REQUIRED	125	
		1	72	12	6.00																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	125	
		1	72	12	6.00																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	125	
		1	72	12	6.00																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	125	
B 306+20.8 LT			24	30	0			1																					RETAIN EXISTING SIGN ON EXISTING POST		
			24	30	0																								RETAIN EXISTING SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN)		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB							
		44.20			9									30.0	23.0																

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 23  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 98 OF 146

# TRAFFIC SIGN SUMMARY SHEET 24

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL				
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE	WEIGHT					POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
B 306+25.8 RT	RETAIN		24	30	0			I																					RETAIN EXISTING SIGN ON EXISTING POST		
	RETAIN		24	30	0																								RETAIN EXISTING SIGN (SUB-MOUNTED WITH THE PREVIOUS SIGN)		
B 306+49.0 LT	RETAIN		6	10	0		I	I					* 8.0																SALVAGE EXISTING SIGN ONTO NEW POST		
B 312+05.9 LT	RETAIN	I	21	15	2.20								* 15.0																INSTALL NEW SIGN ON NEW POST GREEN LEGEND ON WHITE BACKGROUND	M2-1	
	RETAIN	I	30	24	5.00																								INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		E-136B
B 313+04.3 LT	RETAIN	I	30	30	6.25								* 0																INSTALL NEW SIGN ON NEW POST	RI-1	
	RETAIN	I	6	10	0.42																								INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700		T-44
B 313+54.2 LT	RETAIN	I	24	30	5.00								* 14.0																INSTALL NEW SIGN ON NEW POST VR-017		E-141
	RETAIN		24	30	0		I	I																					SALVAGE EXISTING SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN)		
B 313+65.3 LT	RETAIN		36	12	0		I	I					* 13.0																SALVAGE EXISTING SIGN ONTO NEW POST		
B 313+99.7 LT	RETAIN	I	30	18	3.75																								INSTALL NEW SIGN ON EXISTING POST		123
B 309+28.9 RT	RETAIN																														
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<b>TOTALS</b>		SF	SF	EA.	EA.				FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
		22.62		3	8								70.0																		
													50.0																		



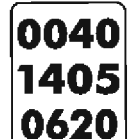








PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 24  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 99 OF 146

# TRAFFIC SIGN SUMMARY SHEET 25

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL						
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REMAIN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
B 314+62.5 RT		I	36	36	9.00			I	2																			INSTALL NEW SIGN ON EXISTING POSTS VW-619			T-82
B 316+19.4 LT			72	18	0				2																			RETAIN EXISTING SIGN ON EXISTING POSTS			
			72	18	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)			
			72	18	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)			
B 316+70.8 RT		I	30	30	6.25			I	1				16.0															INSTALL NEW SIGN ON EXISTING POST	WI-4R		
B 317+05.3 RT			6	10	0				1																			RETAIN EXISTING SIGN ON EXISTING POST			
B 318+27.4 LT			72	18	0				2																			RETAIN EXISTING SIGN ON EXISTING POST			
			72	18	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)			
B 319+15.0 LT			30	36	0				1																			RETAIN EXISTING SIGN ON EXISTING POST			
			24	30	0																							RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)			
B 319+16.8 RT			30	36	0				1																			RETAIN EXISTING SIGN ON EXISTING POST			
		I	24	30	5.00			I																				INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	R4-1		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB							
		20.25			3								16.0																		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 25  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 100 OF 146

# TRAFFIC SIGN SUMMARY SHEET 26

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL				
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE	WEIGHT					POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
B 322+47.4 LT		I	48	24	8.00			I	2																				INSTALL NEW SIGN ON EXISTING POSTS	WI-6R	
B 322+50.0 LT		I	48	24	8.00			I	2																				INSTALL NEW SIGN ON EXISTING POSTS	WI-6L	
B 327+61.0 LT			6	10	0				I																				RETAIN EXISTING SIGN ON EXISTING POST		
B 332+47.0 LT			30	36	0			I					X 14.0																SALVAGE EXISTING SIGN ONTO NEW POST		
			24	30	0			I																					SALVAGE EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		
B 332+47.0 RT			30	36	0			0	0	I			0																RETAIN EXISTING SIGN ON EXISTING POST		
			24	30	0			0	0																				RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		
B 334+ <del>73.4</del> ^{83.8} LT			45	12	0			I					* 14.0																SALVAGE EXISTING SIGN ONTO NEW POST		
B 334+83.8 LT		I	30	30	6.25			I																					INSTALL NEW SIGN ON EXISTING POST	RI-1	
		I	6	10	0.42			I																					INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700		T-44
B 338+17.0 RT			6	10	0				I																				RETAIN EXISTING SIGN ON EXISTING POST		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB							
		22.67		3	7								30.0 28.0																		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 26  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 101 OF 146

# TRAFFIC SIGN SUMMARY SHEET 27

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL																																									
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																					
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE																																				
OPTION ITEMS																																																																		
US ROUTE 4																																																																		
B 338+43.0 RT		I	6	10	0.42		I	I																					INSTALL NEW SIGN ON EXISTING POST VD-701			T-42																																		
B 338+60.6 LT		I	6	10	0.42		I	I																					INSTALL NEW SIGN ON EXISTING POST VD-701			T-42																																		
B 342+00.0 RT			36	36	0			2																					RETAIN EXISTING SIGN ON EXISTING POSTS																																					
B 348+48.0 LT		I	6	10	0.42																								*	7.0		I	INSTALL NEW SIGN ON NEW POST VD-700			T-44																														
B 350+14.4 LT			30	36	0		I	I																						*	14.0		I	SALVAGE EXISTING SIGN ONTO NEW POST																																
			24	30	0		I	I																											SALVAGE EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)																															
B 350+15.0 RT			24	30	0																														RETAIN EXISTING SIGN ON EXISTING POST																															
B 356+35.5 RT		I	30	30	6.25		I	I																											INSTALL NEW SIGN ON EXISTING POST SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	W11-2																														
		I	24	18	3.00		I																												INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING (SUB-MOUNT WITH PREVIOUS)	W7-3AP																														
B 359+29.0 RT			6	10	.42		I	I																											SALVAGE EXISTING SIGN ONTO NEW POST																															
B 360+80.0 RT			24	30	0		I	I																											SALVAGE EXISTING SIGN ONTO NEW POST																															
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="text-align: center;"><b>TOTALS</b></td> <td>SF</td> <td>SF</td> <td>EA.</td> <td>EA.</td> <td></td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>EA</td> <td>LB</td> <td>LB</td> <td>LB</td> <td>EA.</td> <td>LB</td> <td>EA.</td> <td>EA.</td> <td>LB</td> </tr> <tr> <td style="text-align: center;">10.51 10.93</td> <td></td> <td style="text-align: center;">4 3</td> <td style="text-align: center;">8</td> <td style="text-align: center;">/</td> <td></td> <td></td> <td></td> <td style="text-align: center;">20.0 15.5</td> <td style="text-align: center;">30.0</td> <td style="text-align: center;">/</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB	10.51 10.93		4 3	8	/				20.0 15.5	30.0	/								
<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB																																															
	10.51 10.93		4 3	8	/				20.0 15.5	30.0	/																																																							
														<p>PROJECT NAME: KILLINGTON-WOODSTOCK PROJECT NUMBER: ER NH 020-2(38) FILE NAME: z13b192tss.dgn PROJECT LEADER: E. ATKINS DESIGNED BY: T. BIGELOW TRAFFIC SIGN SUMMARY SHEET 27</p> <p>PLOT DATE: 3/7/2016 DRAWN BY: I. KHALID CHECKED BY: ATKINS/SOBEL SHEET 102 OF 146</p>																																																				



# TRAFFIC SIGN SUMMARY SHEET 29

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAIN SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE		
OPTION ITEMS																																
US ROUTE 4																																
B 380+41.0 LT		I	6	10	0.42			0	I																				INSTALL NEW SIGN ON NEW POST VD-700			T-44
B 383+50.4 LT		I	66	12	5.50			1	2																				INSTALL NEW SIGN (DOUBLE-SIDED) ON EXISTING POSTS WHITE LEGEND ON BLUE BACKGROUND		127	
B 383+64.1 LT		I	30	30	6.25			1	0																				INSTALL NEW SIGN ON EXISTING POST	RI-1		
			6	10	0			1	1																				RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
B 388+40.8 RT		I	24	30	5.00			1	1																				INSTALL NEW SIGN ON NEW POST VR-017			E-141
B 388+65.0 LT			24	30	0				1																				RETAIN EXISTING SIGN ON EXISTING POST			
B 388+70.5 RT		I	30	30	6.25			1	0																				INSTALL NEW SIGN ON NEW POST	RI-1		
			6	10	0			1	1																				SALVAGE EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
B 388+70.9 RT		I	72	12	6.00				2																				INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS WHITE LEGEND ON BLUE BACKGROUND		127	
B 390+47.5 RT			24	30	0			1	1																				SALVAGE EXISTING SIGN ONTO NEW POST			
B 390+47.5 RT			24	24	0			1	1	1																			RETAIN EXISTING SIGN ON EXISTING POST			
B 395+29.3 RT		I	30	30	6.25			1	0																				INSTALL NEW SIGN ON EXISTING POST SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WII-2		
		I	24	12	2.00			1	1																				INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING (SUB-MOUNT WITH PREVIOUS)	W16-7P		
B 388+95 RT								1	1																							

THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".

*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK

	FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA	LB	LB	LB	EA	EA	LB
				10.0	60.0												
				8.0	108.0												
<b>TOTALS</b>	SF	SF	EA.	EA.	FT	FT	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
	37.67		4	2		70.0	10	10	10	10	10	10	10	10	10	10	10
						116.0											

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 29

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 104 OF 146



# TRAFFIC SIGN SUMMARY SHEET 31

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS					EXIST. POST NO. OF POSTS	NEW SIGN POSTS													REMARKS	SIGN DETAIL													
		E.A.	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	REMAINING SIGN		FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER									
										1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT				POST SIZE								
OPTION ITEMS																																					
US ROUTE 4																																					
W 10+56.0 LT		I	6	10	0.42																									INSTALL NEW SIGN ON NEW POST VD-700			T-44				
W 13+00.0 LT		I	36	36	9.00		1	1																							INSTALL NEW SIGN ON NEW POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	S3-1					
W 13+00.0 RT			36	36	0				2																							RETAIN EXISTING SIGN ON EXISTING POSTS					
W 14+95.2 LT		I	30	30	6.25																												INSTALL NEW SIGN ON NEW POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING, VW-133R			T-81	
W 17+48.9 LT			30	36	0				1																								RETAIN EXISTING SIGN ON EXISTING POST				
W 17+50.2 RT			24	30	0				1																								RETAIN EXISTING SIGN ON EXISTING POST				
		I	30	30	6.25																												INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN) VR-417			E-141	
W 21+30.0 LT			66	12	0				2																								RETAIN EXISTING SIGN ON EXISTING POSTS				
W 21+62.0 RT			6	10	0.42																												RETAIN EXISTING SIGN ON EXISTING POST				
W 22+72.0 LT		I	24	30	5.00																												INSTALL NEW SIGN ON EXISTING POST	R4-1			
W 23+12.3 RT		I	48X48X36		6.00																												SALVAGE EXISTING SIGN ONTO NEW POST, FACING WESTBOUND TRAFFIC				
W 25+15.8 LT		I	36	36	9.00																												INSTALL NEW SIGN ON NEW POSTS	W3-5 (35)			
W 0+26.9 RT																																					
W 10+56 LT																																		INSTALL NEW SIGN ON NEW POSTS			

THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".

*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK

	FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA	LB	LB	LB	EA	EA	EA
				10.0	90.0	8.0											
				100.0	125.75												
<b>TOTALS</b>	SF	SF	EA.	EA.		FT		FT		LB	EA.		LB	EA.	EA.	EA.	LB
	35.92	42.34	3	11				100.0									
								133.75									

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13b192fss.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TRAFFIC SIGN SUMMARY SHEET 31  
PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 106 OF 146

# TRAFFIC SIGN SUMMARY SHEET 32

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL				
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"		30"				WEIGHT
OPTION ITEMS																														
US ROUTE 4																														
W 25+90 RT			30	30	0			1																				RETAIN EXISTING SIGN ON EXISTING POST		
			24	18	0																							RETAIN EXISTING SIGN (SUB-MOUNTED WITH EXISTING POST)		
W 30+11.9 RT		1	24	30	5.00			1	+	1				15.00														INSTALL NEW SIGN ON EXISTING POST	R4-1	
W 30+32.9 LT			48X48X36		6.00			+	1					* 14.75														SALVAGE EXISTING SIGN ONTO NEW POSTS FACING EASTBOUND TRAFFIC		
W 32+04.8 LT		1	6	10	0.42									* 8.0														INSTALL NEW SIGN ON NEW POST VD-700		T-44
W 37+15.9 LT		1	30	30	6.25																							INSTALL NEW SIGN ON EXISTING POST VR-417		E-141
W 42+74.0 RT		1	6	10	0.42									* 8.0														INSTALL NEW SIGN ON NEW POST VD-700		T-44
W 44+43.4 RT			24	30	0			1						* 14.00														SALVAGE EXISTING SIGN FROM STA. W 46+57.0 RT ONTO NEW POST		
W 45+52.6 LT		1	30	30	6.25									* 0														INSTALL NEW SIGN ON NEW POST	R1-1	
		1	6	10	0.42																							INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) VD-700		T-44
W 45+87.7 LT		1	24	30	5.00									* 13.0														INSTALL NEW SIGN ON NEW POST VR-017		E-141
W 45+52.6 LT			45	12	0									* 22.5														SALVAGE EXISTING SIGN ONTO NEW POSTS		
W 44+43 LT			24	30	0																							RETAIN SIGN RETAIN POST		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																														
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		23.76	29.76	3	2								20.0	105.0																
													16.0	79.25																

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 32  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 107 OF 146

# TRAFFIC SIGN SUMMARY SHEET 33

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS						EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL										
		E.A.	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	REMAINING SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER								
												1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"					WEIGHT	POST SIZE						
OPTION ITEMS																																			
US ROUTE 4																																			
W 46+57.0 RT		I	30	30	6.25					I																					INSTALL NEW SIGN ON NEW POST	WI-2R			
		I	18	18	2.25																										INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	WI3-IP (35)			
W 49+29.9 RT		I	6	10	0.42																										INSTALL NEW SIGN ON NEW POST VD-70I		T-42		
W 49+41.8 LT		I	6	10	0.42																										INSTALL NEW SIGN ON NEW POST VD-70I		T-42		
W 52+50.3 LT		I	48	24	8.00						2																				INSTALL NEW SIGN ON EXISTING POSTS	WI-6R			
W 52+ ^{54.3} / _{43.3} LT		I	48	24	8.00						2																				INSTALL NEW SIGN ON EXISTING POSTS	WI-6L			
W 53+30.0 LT		I	6	10	0.42																											INSTALL NEW SIGN ON NEW POST VD-700		T-44	
W 58+70.9 LT		I	30	30	6.25																											INSTALL NEW SIGN ON EXISTING POST	WI-2L		
		I	18	18	2.25																											INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	WI3-1 (35)		
W 63+30.3 RT		I	6	10	0.42																											INSTALL NEW SIGN ON EXISTING POST VD-70I		T-42	
W 63+77.7 LT		I	6	10	0.42																											INSTALL NEW SIGN ON EXISTING POST VD-70I		T-42	
W 63+86.0 RT		I	6	10	0.42																											INSTALL NEW SIGN ON EXISTING POST VD-700			
W 73+43.8 LT		I	72	12	6.00																											INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		127	
W 73+98.5 RT			24	30	0																											SALVAGE EXISTING SIGN ONTO NEW POST			
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>												FT		FT		FT		FT		FT		EA		LB		LB		LB		EA.		EA.		EA.	
								</																											

# TRAFFIC SIGN SUMMARY SHEET 34

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL					
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAIN SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE	WEIGHT					POST SIZE		
OPTION ITEMS																																
US ROUTE 4																																
W 74+42.0 LT			6	10	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
W 75+26.0 LT			24	30	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
W 84+94.2 RT			6	10	0		I	I																					SALVAGE EXISTING SIGN ONTO NEW POST			
W 91+82.1 LT		I	69	12	5.75			I																					INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		127	
W 95+54.0 LT			6	10	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
W 99+50.0 LT			24	30	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
W 101+25.0 RT			48	48	0			I																					RETAIN EXISTING SIGN ON EXISTING POST "511 TRAVEL INFO"			
W 106+10.0 RT		I	6	10	0.42			I																					INSTALL NEW SIGN ON NEW POST			
W 109+95.4 RT		I	30	30	6.25			I																					INSTALL NEW SIGN ON EXISTING POST VW-054L		T-80	
W 113+00.0 RT			24	30	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
W 116+28.7 LT		I	66	12	5.50			I																					INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		127	
W 116+66.0 RT			6	10	0			I																					RETAIN EXISTING SIGN ON EXISTING POST			
W 118+86.3 RT		I	30	30	6.25			I																					INSTALL NEW SIGN ON EXISTING POST. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING		W1-2L	
W 118+86.3 RT		I	18	18	2.25			I																					INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING ON EXISTING POST (SUBMOUNT WITH PREVIOUS)		W13-1P (35)	
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<b>TOTALS</b>		SF	SF	EA.	EA.																											
		26.42		1	7																											

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13b192tss.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TRAFFIC SIGN SUMMARY SHEET 34  
PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 109 OF 146

# TRAFFIC SIGN SUMMARY SHEET 35

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL								
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)			W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5		4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
W 125+10.0 RT		1	48	24	8.00		1		2																			INSTALL NEW SIGN ON NEW POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WI-6L		
W 125+34.6 RT		1	48	24	8.00		0		2																			INSTALL NEW SIGN ON NEW POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WI-6R		
W 125+88.2 RT		1	48	24	8.00		0		2																			INSTALL NEW SIGN ON NEW POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WI-6L		
W 126+04.8 RT		1	48	24	8.00		1		2																			INSTALL NEW SIGN ON NEW POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WI-6R		
W 127+22.0 LT			6	10	0			1																				RETAIN EXISTING SIGN ON EXISTING POST			
W 127+32.0 LT		1	42	12	3.50		2		1																			INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POST		127	
W 131+64.4 LT		1	30	30	6.25		1	1																				INSTALL NEW SIGN ON EXISTING POST. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WI-2R		
		1	18	18	2.25		1																					INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING (SUB-MOUNT WITH PREVIOUS)	WI3-IP (35)		
W 135+52.2 RT		1	30	30	6.25		1		1																			INSTALL NEW SIGN ON NEW POST	WI-2R		
		1	18	18	2.25		1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	WI3-IP (35)		
W 138+00.0 LT			24	30	0			1																				RETAIN EXISTING SIGN ON EXISTING POST			
W 137+78.0 RT			6	10	0		1	1	1																			RETAIN EXISTING SIGN ON EXISTING POST			
W 138+82.3 LT		1	69	12	5.75		2		2																			INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		127	
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		<p>FT FT FT FT FT FT FT EA LB LB LB LB LB LB LB LB</p> <p>7.5 180.0 155.5 180.0 163.0</p>		<p>TOTALS SF 58.25 EA. I EA. II</p>		<p>EA. LB EA. EA. LB</p>		<p>PROJECT NAME: KILLINGTON-WOODSTOCK PROJECT NUMBER: ER NH 020-2(38)</p>		<p>FILE NAME: z13b192tss.dgn PROJECT LEADER: E. ATKINS DESIGNED BY: T. BIGELOW TRAFFIC SIGN SUMMARY SHEET 35</p>		<p>PLOT DATE: 3/7/2016 DRAWN BY: I. KHALID CHECKED BY: ATKINS/SOBEL SHEET 110 OF 146</p>																			

# TRAFFIC SIGN SUMMARY SHEET 36

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL					
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"					30"	WEIGHT	POST SIZE
OPTION ITEMS																															
US ROUTE 4																															
W 142+43.3 LT		I	30	30	6.25		I	I																					INSTALL NEW SIGN ON EXISTING POST	RI-1	
		I	6	10	0.42		I																						INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)		
W 142+85.5 LT		I	24	30	5.00		I	I																					INSTALL NEW SIGN ON EXISTING POST		E-141
W 142+43.3 LT 143+01.4 RT		I	69	12	5.75		I		2				*	27.0		2													INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		127
W 145+65.0 RT			24	30	0			I																					RETAIN EXISTING SIGN ON EXISTING POST		
W 146+83.0 LT		I	30	30	6.25		I		I				*	15.0		I													INSTALL NEW SIGN ON NEW POST	WI-2L	
		I	18	18	2.25		I																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	WI3-IP (35)	
W 148+34.0 LT			6	10	0			I																					RETAIN EXISTING SIGN ON EXISTING POST		
W 156+50.9 RT		I	24	12	2.00		I	I																					INSTALL NEW SIGN ON EXISTING POST	M3-2	
		I	24	24	4.00		I																						INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	MI-4	
			18	24	0																								RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	CROSSROAD BYWAY	
W 158+90.0 RT			6	10	0		I	I	I				0																RETAIN EXISTING SIGN ON EXISTING POST		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.				FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB								
		31.92		1	9								45.0 42.0																		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 36  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET III OF 146

# TRAFFIC SIGN SUMMARY SHEET 37

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		24"	30"	WEIGHT				POST SIZE	
OPTION ITEMS																																
US ROUTE 4																																
W 159+35.2 RT		I	30	30	6.25				I																				INSTALL NEW SIGN ON NEW POST VW-054L			T-80
W 160+25.0 LT			24	30	0				I																				RETAIN EXISTING SIGN ON EXISTING POST			
W 160+61.7 RT		I	30	30	6.25				I																				INSTALL NEW SIGN ON EXISTING POST	WI-10L		
		I	18	18	2.25				I																				INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	WI3-IP (30)		
W 164+65.7 RT		I	30	30	6.25				I																				INSTALL NEW SIGN ON EXISTING POST	W5-3		
W 164+72.8 RT			24	30	0																								RETAIN EXISTING SIGN MOUNTED ON COVERED BRIDGE			
W 164+77.2 RT			30	30	0																								RETAIN EXISTING SIGN MOUNTED ON COVERED BRIDGE			
W 164+72.0 LT		I	30	30	6.25				I																				INSTALL NEW SIGN ON EXISTING POST	RI-1		
W 164+81.2 LT		I	30	30	6.25				I																				INSTALL NEW SIGN ON EXISTING POST	R3-7L		
W 164+89.7 RT		I	30	30	6.25				I																				INSTALL NEW SIGN ON NEW POST	RI-1		
			6	10	0				I	I																			SALVAGE EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
W 166+30.7 LT		I	30	30	6.25				I	I																			INSTALL NEW SIGN ON EXISTING POST	R3-8		
W 166+39.5 RT		I	48	24	8.00				I	2																			INSTALL NEW SIGN ON EXISTING POSTS	WI-6L		
W 167+31.9 RT		I	48	24	8.00				I	2																			INSTALL NEW SIGN ON EXISTING POSTS	WI-6R		

THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".

*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK

<b>TOTALS</b>	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB
	62.00		1	10					30.0	26.0										

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13b192tss.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TRAFFIC SIGN SUMMARY SHEET 37

PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 112 OF 146

# TRAFFIC SIGN SUMMARY SHEET 38

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL				
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAINS SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE	WEIGHT					POST SIZE	
OPTION ITEMS																															
US ROUTE 4																															
W 169+46.0 LT			6	10	0			1																					RETAIN EXISTING SIGN ON EXISTING POST		
W 171+10.2 LT		1	36	36	9.00			2																					INSTALL NEW SIGN ON EXISTING POST VW-205		T-82
W 172+19.3 LT		1	72	12	6.00			2					*																INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128
W 172+30.9 LT		1	30	30	6.25			2					*																INSTALL NEW SIGN ON NEW POST		RI-1
		1	6	10	0.42			1																					INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)		T-44
W 172+89.5 LT		1	24	30	5.00			1																					INSTALL NEW SIGN ON EXISTING POST VR-017		E-141
W 173+04.2 LT		1	69	12	5.75			2					*																INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS SIGN MOVED TO 2 POST PER PLAN		128
W 173+69.9 LT		1	36	36	9.00			2					*																INSTALL NEW SIGN ON NEW POSTS		WI-10R
		1	24	24	4.00			1																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		WI3-IP (30)
W 176+92.6 RT		1	6	10	0.42			1																					INSTALL NEW SIGN ON EXISTING POST VD-701		T-42
W 177+38.4 LT		1	6	10	0.42			1																					INSTALL NEW SIGN ON EXISTING POST VD-701		T-42
W 179+06.3 LT		1	51	12	4.25			2					*																INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<b>TOTALS</b>		SF	SF	EA.	EA.				FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		50.51			11								135.0 108.5																		

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 38  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 113 OF 146

# TRAFFIC SIGN SUMMARY SHEET 39

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL											
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER									
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE							
OPTION ITEMS																																					
US ROUTE 4																																					
W 179+14.2 LT		1	30	30	6.25		1		1																								INSTALL NEW SIGN ON NEW POST	RI-1			
			6	10	0		1	1																										SALVAGE EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
W 179+98.5 LT		1	24	30	5.00		1	1																										INSTALL NEW SIGN ON NEW POST VR-017		E-141	
W 181+00.0 LT			24	30	0			1																											RETAIN EXISTING SIGN ON EXISTING POST		
W 181+00.0 RT			24	30	0			1																											RETAIN EXISTING SIGN ON EXISTING POST		
W 184+96.7 LT		1	30	30	6.25		1	1																											INSTALL NEW SIGN ON NEW POST	W2-2R	
		1	24	8	1.33		0																												INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	W16-8P	
W 190+58.0 LT			6	10	0.42		1	1																											INSTALL NEW SIGN ON EXISTING POST		
W 191+11.1 LT		1	36	36	9.00		1	2																											INSTALL NEW SIGN ON EXISTING POSTS VW-205		T-82
W 199+44.0 RT			72	18	0			2																											RETAIN EXISTING SIGN ON EXISTING POSTS		
			72	18	0																														RETAIN EXISTING SIGN (SUB-MOUNTED WITH PREVIOUS SIGN)		
W 201+14.0 RT			6	10	0			1																											RETAIN EXISTING SIGN ON EXISTING POST		
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																					
<b>TOTALS</b>		SF	SF	EA.	EA.				FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.		
		28.25		1	6								45.0 27.5																								

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 39  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 114 OF 146

# TRAFFIC SIGN SUMMARY SHEET 40

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS						EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL		
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL		S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
									1.2			2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0					FTG. SIZE	WEIGHT	POST SIZE
OPTION ITEMS																														
US ROUTE 4																														
W 203+63.1 RT		I	36	36	9.00		I	2																			INSTALL NEW SIGN ON EXISTING POST	W3-5 (35)		
W 210+57.7 RT			30	36	0			I																			RETAIN EXISTING SIGN ON EXISTING POST			
W 210+60.0 LT		I	24	30	0		I	I																			SALVAGE EXISTING SIGN ONTO NEW POST			
W 211+70.0 LT		I	6	10	0.42			I																			INSTALL NEW SIGN ON NEW POST VD-700		T-44	
W 214+79.1 RT			30	30	0			I																			RETAIN EXISTING SIGN ON EXISTING POST			
W 215+50.3 LT		I	57	12	4.75			I																			INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128	
W 215+50.3 LT		I	30	30	6.25			I																			INSTALL NEW SIGN ON EXISTING POST	RI-1		
			6	10	0			I																			RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
W 215+83.1 LT		I	24	30	5.00			I																			INSTALL NEW SIGN ON NEW POST VR-017		E-141	
W 222+26.0 RT			6	10	0			I																			RETAIN EXISTING SIGN ON EXISTING POST			
W 224+61.0 RT		I	30	30	6.25			0																			INSTALL NEW SIGN ON NEW POST	W2-2L		
		I	40	8	2.22			0																			INSTALL NEW SIGN (DOUBLE-SIDED) (SUB-MOUNT WITH PREVIOUS SIGN)	W16-8P		

THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".

<b>TOTALS</b>	SF	SF	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
	33.89		+	2	7																								

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 40  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 115 OF 146

*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK

# TRAFFIC SIGN SUMMARY SHEET 41

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL												
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (In)			TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER							
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT	POST SIZE										
OPTION ITEMS																																					
US ROUTE 4																																					
W 229+53.8 LT		I	24	30	5.00		I																					INSTALL NEW SIGN ON NEW POST	R2-1(35)								
W 231+ ^{34.0} <del>16.0</del> LT			45	12	0		I		2				*	25.0														SALVAGE EXISTING SIGN ONTO NEW POST									
W 231+34.1 LT		I	30	30	6.25		I																					INSTALL NEW SIGN ON EXISTING POST	RI-1								
			6	10	0		I																					RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)									
W 231+63.0 LT		I	24	30	5.00				1				*	11.5														INSTALL NEW SIGN ON NEW POST VR-017			E-141						
		I	24	30	5.00																							INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	R2-1(35)								
W ^{232+00.5} <del>231+96.0</del> LT		I	54	12	4.50		I		2				*	24.0														INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128							
W 232+00.5 LT		I	30	30	6.25		I																					INSTALL NEW SIGN ON EXISTING POST	RI-1								
			6	10	0		0	0																				RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN) MM INSTALLED @ W 231+34 LT									
W 232+13.7 RT		I	24	30	5.00		I																					INSTALL NEW SIGN ON EXISTING POST	R2-1(35)								
W 232+48.0 LT		I	72	12	6.00				2				*	25.0														INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128							
W 231+40.0 LT								I																													
								I																													
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>		<p>FT FT FT FT FT FT</p> <p>EA LB LB LB LB LB LB</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>		<p>EA. EA.</p> <p>EA. EA.</p>									
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.					
		43.00		+	9						105.0																										
				2							85.5																										
											105.0																										
											85.5																										
		PROJECT NAME:		KILLINGTON-WOODSTOCK		PROJECT NUMBER:		ER NH 020-2(38)		FILE NAME:		z13b192tss.dgn		PLOT DATE:		3/7/2016		PROJECT LEADER:		E. ATKINS		DRAWN BY:		I. KHALID		DESIGNED BY:		T. BIGELOW		CHECKED BY:		ATKINS/SOBEL		TRAFFIC SIGN SUMMARY SHEET 41		SHEET 116 OF 146	



# TRAFFIC SIGN SUMMARY SHEET 43

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST. POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL																																									
		E.A.	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REMAN SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																							
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"					WEIGHT	POST SIZE																																					
		lb/ft			lb/ft					lb/ft			lb/ft				24"		30"		WEIGHT		POST SIZE																																													
OPTION ITEMS																																																																				
US ROUTE 4																																																																				
W 239+60.7 RT			84	42		24.50		1		2																							INSTALL NEW SIGN ON NEW POSTS SPECIAL PROVISION (SOIL BEARING SLIP BASES) REQUIRED			123																																
W 239+66.6 LT			54	12	0			1	1	2																								SALVAGE EXISTING SIGN ONTO NEW POSTS RETAIN 1 POST, INSTALLED 1 NEW POST																																		
W 239+69.4 LT			30	30	6.25					+																									INSTALL NEW SIGN ON NEW POST			RI-1																														
W 240+09.1 LT			24	30	5.00				1	1																										INSTALL NEW SIGN ON EXISTING POST VR-017			E-141																													
W 242+67.8 LT			72	18	0					2																										RETAIN EXISTING SIGN ON EXISTING POSTS																																
W 242+77.2 RT			30	30	6.25				1	1																										INSTALL NEW SIGN ON EXISTING POST			RI-1																													
			6	10	0																																RETAIN EXISTING SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)																															
W 243+90.1 RT			24	30	5.00				1	1																											INSTALL NEW SIGN ON EXISTING POST			R2-1 (35)																												
W 244+50.7 LT			30	30	6.25				1	1																											INSTALL NEW SIGN ON EXISTING POST			R3-8																												
W 245+60.2 RT			30	30	6.25				1	+																											INSTALL NEW SIGN ON EXISTING POST, SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING			W11-8																												
W 248+05.0 LT			84	12	0					2																												RETAIN EXISTING SIGN ON EXISTING POSTS																														
W 248+12.4 RT			36	36	6.75				1	2																												INSTALL NEW SIGN ON EXISTING POSTS, SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING			SI-1																											
			30	18	3.75				1																												INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING (SUB-MOUNT WITH PREVIOUS)			W16-7P																												
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																																																				
<table border="1"> <tr> <td rowspan="2">TOTALS</td> <td>SF</td> <td>SF</td> <td>EA.</td> <td>EA.</td> <td></td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>FT</td> <td>EA.</td> <td>LB</td> <td>LB</td> <td>LB</td> <td>EA.</td> <td>LB</td> <td>EA.</td> <td>EA.</td> <td>LB</td> </tr> <tr> <td>45.50</td> <td>24.50</td> <td>1</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td>45.0</td> <td>30.0</td> <td>25.0</td> <td>27.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												TOTALS	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB	45.50	24.50	1	10					45.0	30.0	25.0	27.0								
TOTALS	SF	SF	EA.	EA.		FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB																																																
	45.50	24.50	1	10					45.0	30.0	25.0	27.0																																																								

PROJECT NAME: KILLINGTON-WOODSTOCK  
PROJECT NUMBER: ER NH 020-2(38)  
FILE NAME: z13bi921ss.dgn  
PROJECT LEADER: E. ATKINS  
DESIGNED BY: T. BIGELOW  
TRAFFIC SIGN SUMMARY SHEET 43

PLOT DATE: 3/7/2016  
DRAWN BY: I. KHALID  
CHECKED BY: ATKINS/SOBEL  
SHEET 118 OF 146

# TRAFFIC SIGN SUMMARY SHEET 44

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT	POST SIZE					
OPTION ITEMS																																
US ROUTE 4																																
W 248+44.4 LT		I	36	36	6.75		I	2																				INSTALL NEW SIGN ON EXISTING POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	SI-1			
		I	30	18	3.75		I																					INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING (SUB-MOUNT WITH PREVIOUS)	W16-7P			
W 252+16.6 250+53.1 LT		I	30	24	5.00		I	1																				INSTALL NEW SIGN ON EXISTING POST	D11-1			
		I	12	9	0.75		I																					INSTALL NEW SIGN (SUB-MOUNT WITH THE PREVIOUS SIGN) WHITE LEGEND ON GREEN BACKGROUND	M7-1L		E-131B	
W 251+76.0 RT		I	24	30	5.00		I	1																				INSTALL NEW SIGN ON EXISTING POST VR-017			E-141	
W 252+06.7 RT		I	30	30	6.25		I	1																				INSTALL NEW SIGN ON EXISTING POST	RI-1			
		I	6	10	0.42		I																					INSTALL NEW SIGN (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)				
W 252+06.7 RT		I	42	12	3.50		I	1																				INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POST		128		
W 250+53.1 252+16.6 LT		I	36	36	6.75		I	2																					INSTALL NEW SIGN ON EXISTING POSTS. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	SI-1		
		I	36	12	3.00		I																					INSTALL NEW SIGN WITH FLUORESCENT YELLOW ASTM TYPE IX SHEETING (SUB-MOUNT WITH PREVIOUS)	S4-3P			
W 252+95.2 RT		I	30	30	6.25		O	1																				INSTALL NEW SIGN ON NEW POST. SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING, VW-205			T-82	
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<p><b>TOTALS</b></p>		SF	SF	EA.	EA.				FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB									
		47.42		0	10								30.0 29.5																			

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 44  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 119 OF 146

# TRAFFIC SIGN SUMMARY SHEET 45

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL							
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0		FTG. SIZE	WEIGHT	POST SIZE					
OPTION ITEMS																																
US ROUTE 4																																
W 255+85.5 LT		I	30	30	6.25		I	I																					INSTALL NEW SIGN ON EXISTING POST, SIGN SHALL HAVE FLUORESCENT YELLOW ASTM TYPE IX SHEETING	WII-8		
W 257+00.5 LT			60	12	0		I	I	2																				SALVAGE EXISTING SIGN ONTO NEW POSTS			
W 257+00.5 LT		I	30	30	6.25																								INSTALL NEW SIGN ON NEW POST	RI-1		
			6	10	0		I	I																					SALVAGE EXISTING SIGN FROM STA. W 257+50.7 LT (SUB-MOUNT BACK-TO-BACK WITH PREVIOUS SIGN)			
W 257+32.4 LT		I	24	30	5.00																								INSTALL NEW SIGN ON EXISTING POST VR-017			E-141
W 257+50.7 LT		I	30	30	6.25																								INSTALL NEW SIGN ON NEW POST	RI-1		
W 257+59.6 LT		I	63	12	5.25				2																				INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128	
W 258+00.0 LT		I	24	30	5.00																								INSTALL NEW SIGN ON EXISTING POST VR-017			E-141
W 258+49.4 RT		I	72	12	6.00				2																				INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128	
W 258+56.4 RT		I	72	12	6.00				2																				INSTALL NEW SIGN (DOUBLE-SIDED) ON NEW POSTS		128	
W 260+05.5 RT		I	24	30	5.00				1																				INSTALL NEW SIGN ON NEW POST	R2-1(35)		
W 257+32.4 LT																																
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																																
<b>TOTALS</b>		SF	SF	EA.	EA.					FT	FT	FT	FT	FT	FT	EA.	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
		51.00		2	12									165.0	117.5																	

PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)  
 FILE NAME: z13b192fss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 45  
 PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 120 OF 146

# TRAFFIC SIGN SUMMARY SHEET 46

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL					
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			REM SALV SIGN	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT				POST SIZE	
																															1.88
OPTION ITEMS																															
US ROUTE 4																															
W 264+27.1LT	0040 1424 0500	6	10	0		I	I	I																					SALVAGE EXISTING SIGN ONTO NEW POST		
W 275+06.0 LT	0040 1424 0520	6	10	0				I																					RETAIN EXISTING SIGN ON EXISTING POST		
W 276+34.2 LT	SPEED LIMIT 35	I	24	30	5.00			I																					INSTALL NEW SIGN ON NEW POST	R2-1(35)	
W 285+62.0 RT	0040 1424 0540	6	10	0				I																					RETAIN EXISTING SIGN ON EXISTING POST		
W 290+79.5 RT		I	36	36	9.00			I	2																				INSTALL NEW SIGN ON EXISTING POSTS	W3-5 (25)	
W 294+53.0 RT	Gillingham Store left on elm st.	72	18	0					2																				RETAIN EXISTING SIGN ON EXISTING POSTS		
	Prince & Pauper left on elm st.	72	18	0																									RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		
	Billings Farm & Museum VT 12N	72	18	0																									RETAIN EXISTING SIGN (SUB-MOUNT WITH PREVIOUS SIGN)		
W 296+18.0 LT	0040 1424 0560	6	10	0.42			I	I																					RETAIN EXISTING SIGN ON EXISTING POST		
W 298+62.5 LT	STATE HIGHWAY BEGINS	I	24	18	3.00			I	I																				INSTALL NEW SIGN ON EXISTING POST	VR-039	E-141
	SPEED LIMIT 35	I	24	30	5.00			I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	R2-1(35)	
W 298+82.2 RT	STATE HIGHWAY ENDS	I	24	18	3.00			I	I																				INSTALL NEW SIGN ON EXISTING POST	VR-039	E-141
	SPEED LIMIT 25	I	30	36	7.50			I																					INSTALL NEW SIGN (SUB-MOUNT WITH PREVIOUS SIGN)	R2-1(25)	
W 286+50 LT	0040 1424 0540							I																							
<p>THE TOTAL LENGTH OF EACH POST HAS BEEN ASSUMED TO BE 15 FEET, WITH THE EXCEPTION OF POSTS FOR OBJECT MARKERS AND POSTS FOR BRIDGE PLAQUES AND MILE MARKERS WHICH HAVE BEEN ASSUMED TO BE 8 FEET AND 10 FEET PER POST, RESPECTIVELY. FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE VAOT STANDARD SHEETS AND THE "SIGN POST DESIGN GUIDELINE".</p> <p>*STANDARD HIGHWAY SIGNS AND MARKINGS BOOK</p>																															
<b>TOTALS</b>		SF	SF	EA.	EA.																										
		32.50		1	9																										

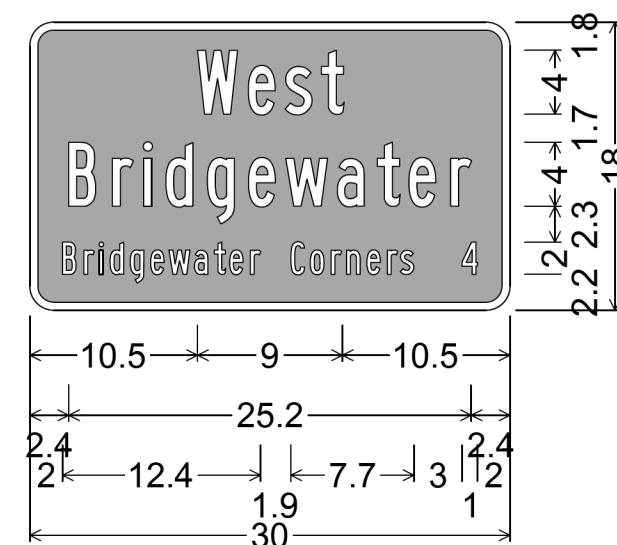
PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92tss.dgn  
 PROJECT LEADER: E. ATKINS  
 DESIGNED BY: T. BIGELOW  
 TRAFFIC SIGN SUMMARY SHEET 46

PLOT DATE: 3/7/2016  
 DRAWN BY: I. KHALID  
 CHECKED BY: ATKINS/SOBEL  
 SHEET 121 OF 146

# TRAFFIC SIGN SUMMARY SHEET 47

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL																
				"A"	"B"	SALV SIGN	REM SALV SIGN			FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			S.H.S.M.*	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER											
		1.2	2.0							3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE															
		lb/ft		lb/ft		lb/ft				lb/ft		lb/ft		lb/ft		24"	30"																						
OPTION ITEMS																																							
US ROUTE 4																																							
	SUBTOTAL SHEET 1			37.26			7																																
	SUBTOTAL SHEET 2			40.51			12																																
	SUBTOTAL SHEET 3			49.79			12																																
	SUBTOTAL SHEET 4			42.00			10																																
	SUBTOTAL SHEET 5		20.82	30.82			+0	8																															
	SUBTOTAL SHEET 6			16.68			7																																
	SUBTOTAL SHEET 7			12.50			6																																
	SUBTOTAL SHEET 8			46.67			1	8																															
	SUBTOTAL SHEET 9			14.31	32.00		10																																
	SUBTOTAL SHEET 10			29.76			10																																
	SUBTOTAL SHEET 11			43.01			12																																
	SUBTOTAL SHEET 12			50.84			1	8																															
	SUBTOTAL SHEET 13			36.01			10																																
	SUBTOTAL SHEET 14			37.43			13																																
	SUBTOTAL SHEET 15			14.52			10																																
	SUBTOTAL SHEET 16			29.01			8																																
	SUBTOTAL SHEET 17			27.09			8																																
	SUBTOTAL SHEET 18			18.09			10																																
	SUBTOTAL SHEET 19			22.09			9																																
	SUBTOTAL SHEET 20			39.20			1	9																															
	SUBTOTAL SHEET 21			47.40			12																																
	SUBTOTAL SHEET 22			37.85			12																																
	SUBTOTAL SHEET 23			44.20			9																																
	SUBTOTAL SHEET 24			22.62			3	8																															
	SUBTOTAL SHEET 25			20.25			3																																
	SUBTOTAL SHEET 26			22.67			3	7																															
	SUBTOTAL SHEET 27			10.93			4	8																															
	SUBTOTAL SHEET 28			60.59			10																																
	SUBTOTAL SHEET 29			37.67			2	10																															
	SUBTOTAL SHEET 30			54.50			3	13																															
	SUBTOTAL SHEET 31			42.34			3	11																															
	SUBTOTAL SHEET 32			29.76			2	9																															
	SUBTOTAL SHEET 33			41.52			1	13																															
	SUBTOTAL SHEET 34			26.42			1	7																															
	SUBTOTAL SHEET 35			58.25			1	11																															
	SUBTOTAL SHEET 36			31.92			1	9																															
	SUBTOTAL SHEET 37			62.00			1	10																															
	SUBTOTAL SHEET 38			50.51			1	11																															
	SUBTOTAL SHEET 39			28.25			1	6																															
	SUBTOTAL SHEET 40			33.89			2	7																															
	SUBTOTAL SHEET 41			43.00			2	9																															
	SUBTOTAL SHEET 42			40.34			1	9																															
	SUBTOTAL SHEET 43			45.50			1	10																															
	SUBTOTAL SHEET 44			47.42			1	10																															
	SUBTOTAL SHEET 45			51.00			2	12																															
	SUBTOTAL SHEET 46			32.92			1	9																															
	GRAND TOTAL			1648.05	56.50		39	47																															
				1651.31																																			

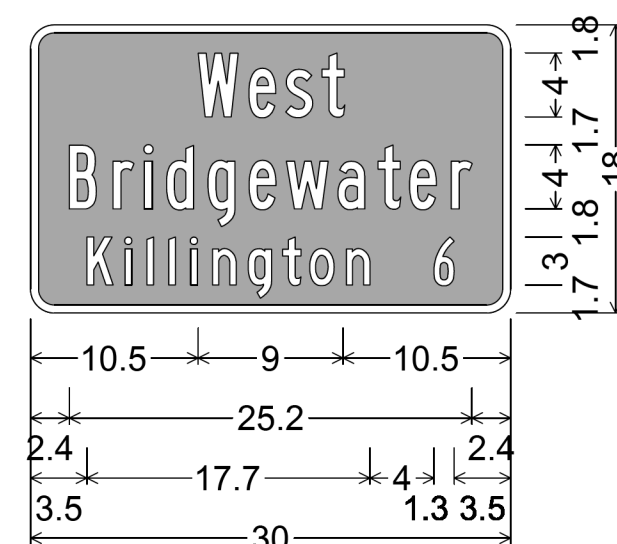


1.5" Radius, 0.5" Border, White on Green;  
 "West" B; "Bridgewater" B;  
 "Bridgewater Corners" B 95% spacing;  
 "4" B;

Table of letter and object lefts.

W	e	s	t								
10.5	13.6	15.9	18.2								
B	r	i	d	g	e	W	a	t	e	r	
2.4	5.2	7.1	8.5	11.1	13.7	16.0	19.2	21.7	23.7	26.3	
B	r	i	d	g	e	W	a	t	e	r	4
2.0	3.4	4.3	5.0	6.3	7.5	8.7	10.3	11.5	12.5	13.8	27.0
C	o	r	n	e	r	s					
16.3	17.5	18.8	19.8	21.1	22.3	23.2					
4	27.0										

STA. K 431+78.2 RT

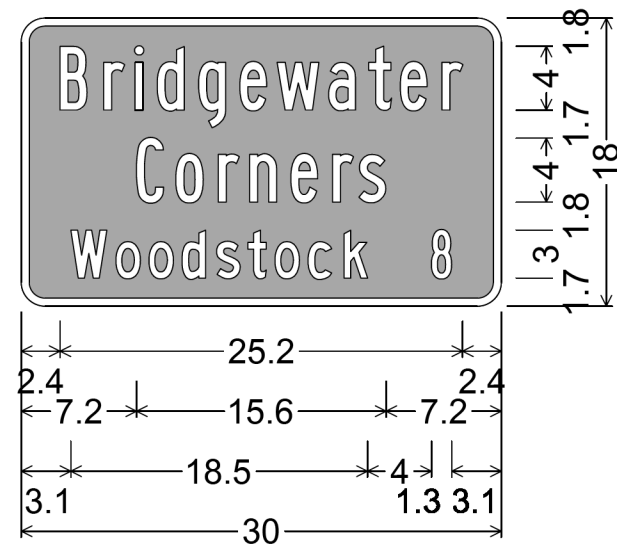


1.5" Radius, 0.5" Border, White on Green;  
 "West" B; "Bridgewater" B;  
 "Killington" C; "6" B;

Table of letter and object lefts.

W	e	s	t							
10.5	13.6	15.9	18.2							
B	r	i	d	g	e	W	a	t	e	r
2.4	5.2	7.1	8.5	11.1	13.7	16.0	19.2	21.7	23.7	26.3
K	i	l	i	n	g	t	o	n	6	
3.5	5.9	7.3	8.6	10.0	11.4	13.6	15.8	17.5	19.7	25.2
6	25.2									

STA. B 12+48.4 LT

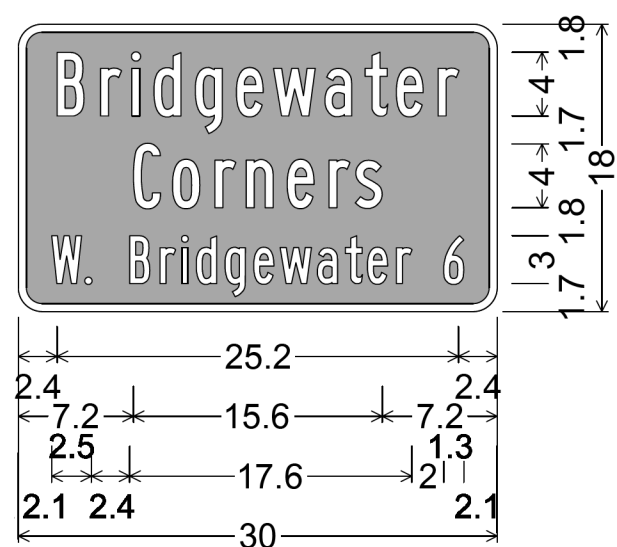


1.5" Radius, 0.5" Border, White on Green;  
 "Bridgewater" B;  
 "Corners" B; "Woodstock" C;  
 "8" B;

Table of letter and object lefts.

B	r	i	d	g	e	W	a	t	e	r
2.4	5.2	7.1	8.5	11.1	13.7	16.0	19.2	21.7	23.7	26.3
C	o	r	n	e	r	s				
7.2	9.7	12.3	14.3	16.9	19.5	21.1				
W	o	o	d	s	t	o	c	k	8	
3.1	5.9	8.0	10.0	12.2	14.2	15.9	17.9	20.2	25.6	
8	25.6									

STA. B 288+12.7 RT

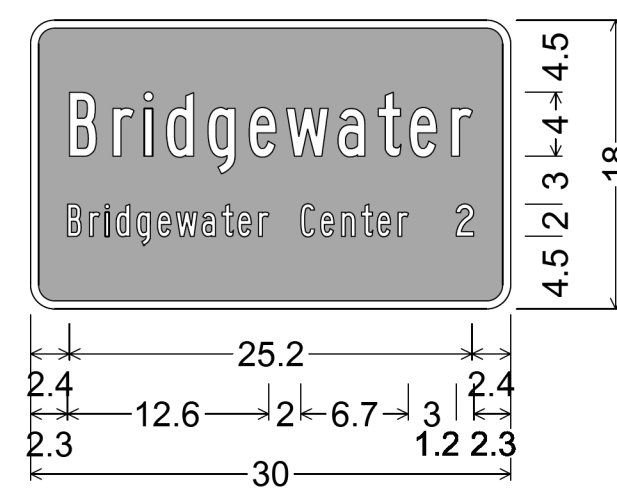


1.5" Radius, 0.5" Border, White on Green;  
 "Bridgewater" B;  
 "Corners" B;  
 "W. Bridgewater" B 80% spacing;  
 "6" B;

Table of letter and object lefts.

B	r	i	d	g	e	W	a	t	e	r	
2.4	5.2	7.1	8.5	11.1	13.7	16.0	19.2	21.7	23.7	26.3	
C	o	r	n	e	r	s					
7.2	9.7	12.3	14.3	16.9	19.5	21.1					
W	. 2.1	4.2									
B	r	i	d	g	e	W	a	t	e	r	6
7.0	8.9	10.2	11.1	12.9	14.8	16.4	18.7	20.5	21.9	23.7	26.6
6	26.6										

STA. B 313+99.7 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Bridgewater" B;  
 "Bridgewater Center" B;  
 "2" C;

Table of letter and object lefts.

B	r	i	d	g	e	W	a	t	e	r	
2.4	5.2	7.1	8.5	11.1	13.7	16.0	19.2	21.7	23.7	26.3	
B	r	i	d	g	e	W	a	t	e	r	2
2.3	3.7	4.7	5.3	6.6	7.9	9.1	10.7	12.0	12.9	14.2	26.6
C	e	n	t	e	r	2					
16.9	18.1	19.4	20.7	21.7	23.0	26.6					
2	26.6										

STA. B 396+13.8 RT

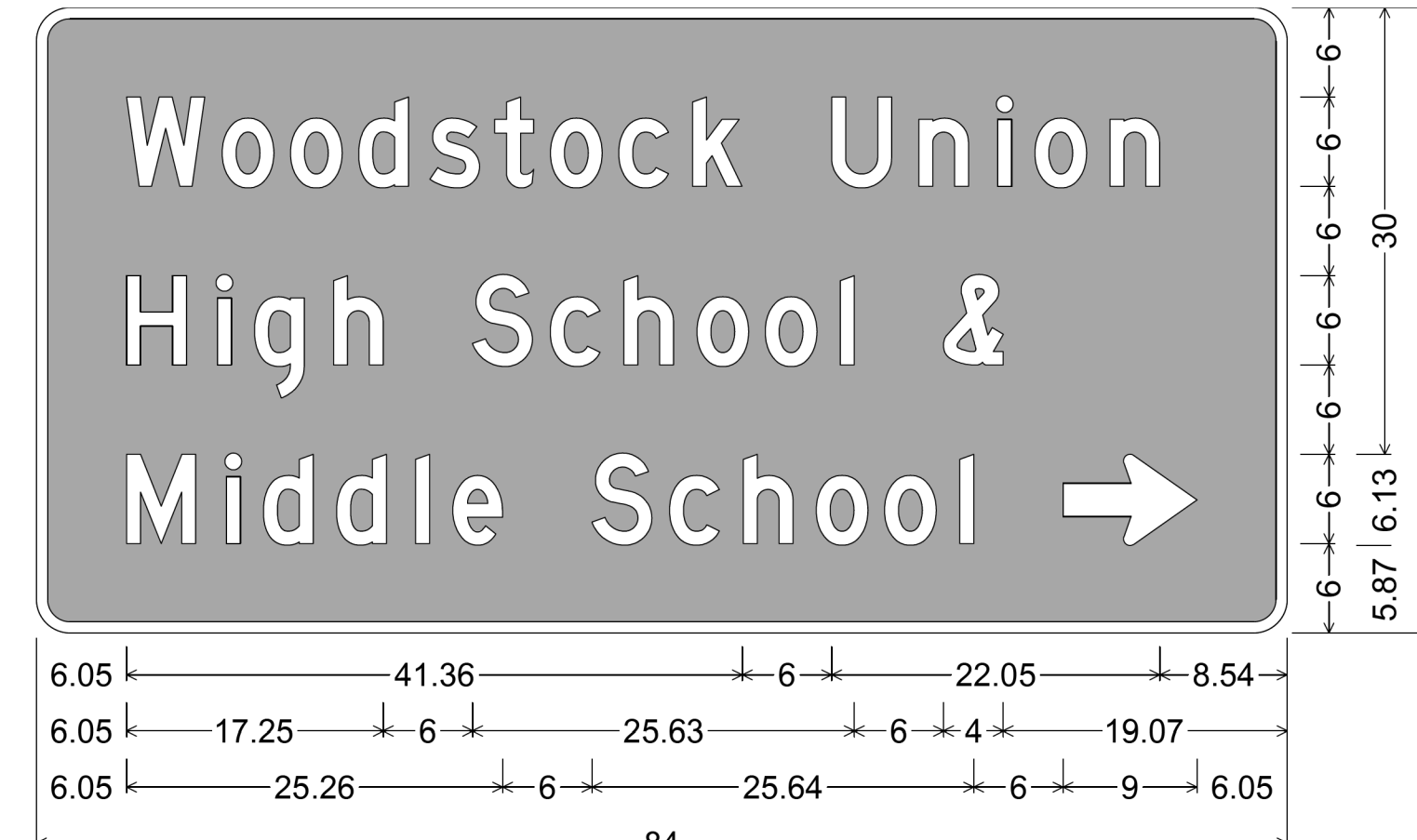


3.0" Radius, 1.3" Border, 0.8" Indent, Black on White;  
 [TRUCKS OVER 68 FT] D 80% spacing; [PERMIT REQUIRED] D; [ON US-4] D;  
 [BRIDGEWATER TO N.H.] D;

Table of letter and object lefts.

T	R	U	C	K	S	O	V	E	R	6	8	F	T			
6.6	11.1	16.3	21.5	26.4	31.4	41.4	46.6	52.0	56.5	66.5	71.5	81.5	85.8			
P	E	R	M	I	T	R	E	O	U	I	R	E	D			
12.3	17.8	22.6	28.0	34.1	36.1	45.8	51.2	56.0	61.6	67.1	69.4	74.8	79.6			
O	N	U	S	-	4											
31.0	36.6	46.6	52.1	57.2	60.6											
B	R	I	D	G	E	W	A	T	E	R	T	O	N	H		
12.2	16.7	21.3	23.2	27.5	32.0	35.7	40.4	44.9	48.9	52.9	61.2	65.2	73.7	77.6	79.0	82.9

STA. B 14+56.3 RT



2.25" Radius, 0.75" Border, White on Green;  
 "Woodstock Union" D; "High School &" D; "Middle School" D;  
 Standard Arrow Custom 9.00" X 6.13" 0";

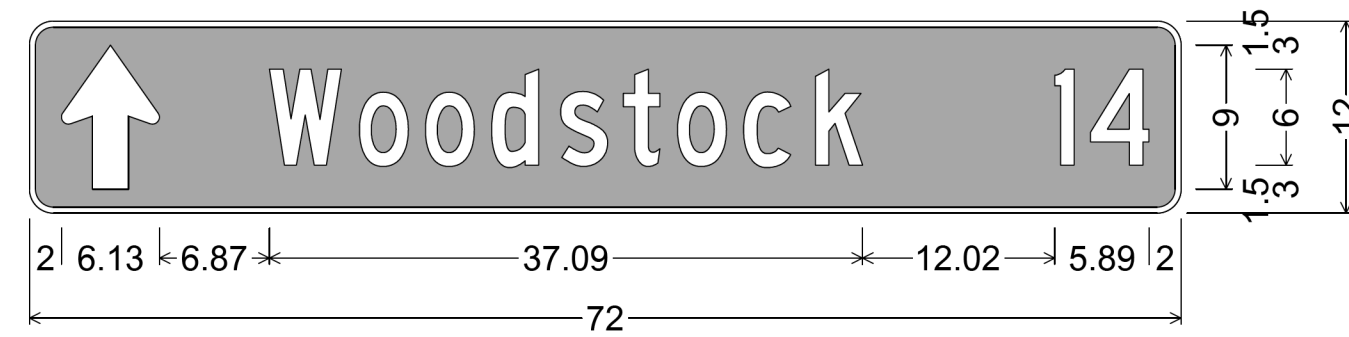
Table of letter and object lefts.

W	o	o	d	s	t	o	c	k			
6.05	12.49	17.07	21.66	26.43	30.78	34.53	39.12	44.07			
U	n	i	o	n							
53.41	59.27	64.57	67.07	72.11							
H	i	g	h	S	c	h	o	i	g		
6.05	12.15	14.65	19.95	29.30	34.51	39.46	44.37	48.95	54.00	60.93	
M	i	d	d	l	e	S	c	h	o	i	
6.05	12.76	15.26	20.17	25.47	27.97	37.31	42.53	47.48	52.38	56.97	62.01
⇒	68.95										

STA. W 239+60.7 RT

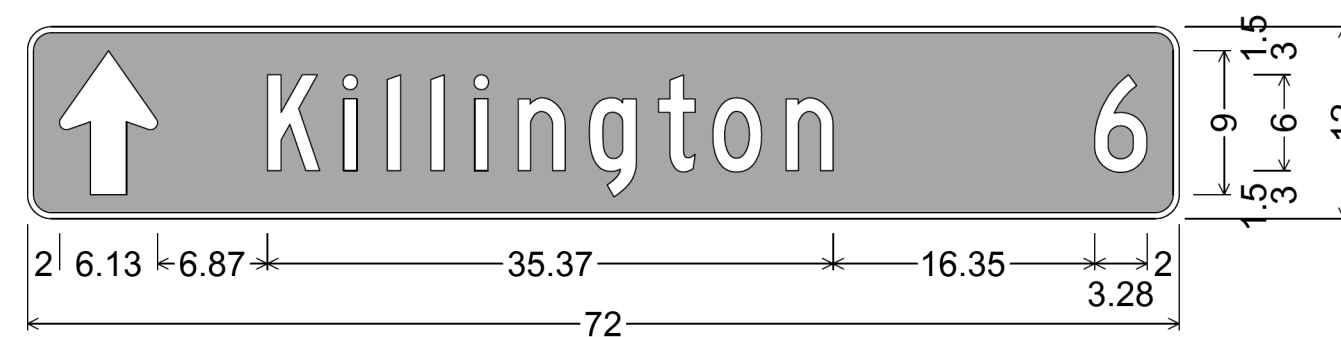
PROJECT NAME: KILLINGTON-WOODSTOCK  
 PROJECT NUMBER: ER NH 020-2(38)

FILE NAME: z13bi92sgnde+bdr.dgn PLOT DATE: 3/7/2016  
 PROJECT LEADER: E. ATKINS DRAWN BY: S. MUSTO  
 DESIGNED BY: T. BIGELOW CHECKED BY: ATKINS/SOBEL  
 TRAFFIC SIGN DETAIL SHEET 1 SHEET 123 OF 146



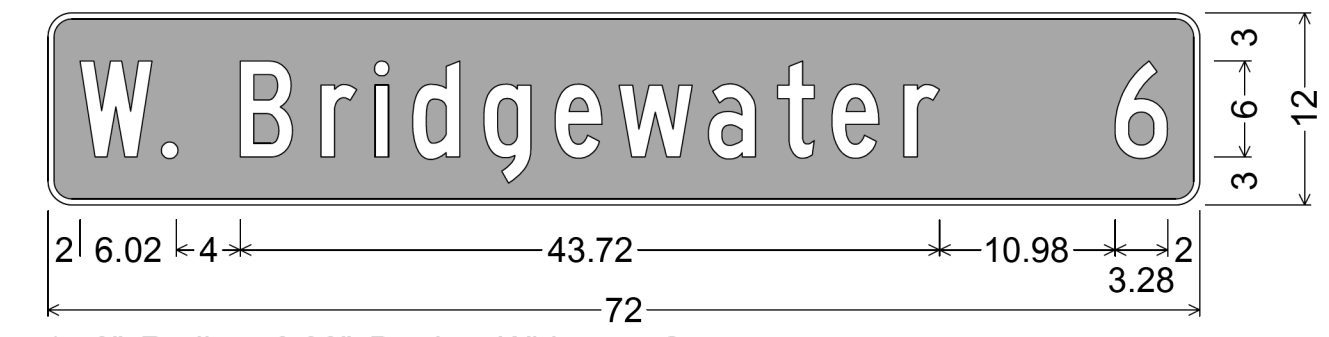
1.50" Radius, 0.38" Border, White on Green;  
Standard Arrow Custom 9.00" X 6.13" 90°; "Woodstock" C; "14" C;  
Table of letter and object lefts.

W	o	o	d	s	t	o	c	k	
2.00	15.00	20.65	24.77	28.90	33.22	37.13	40.53	44.66	49.15
l	4								
64.11	66.34								



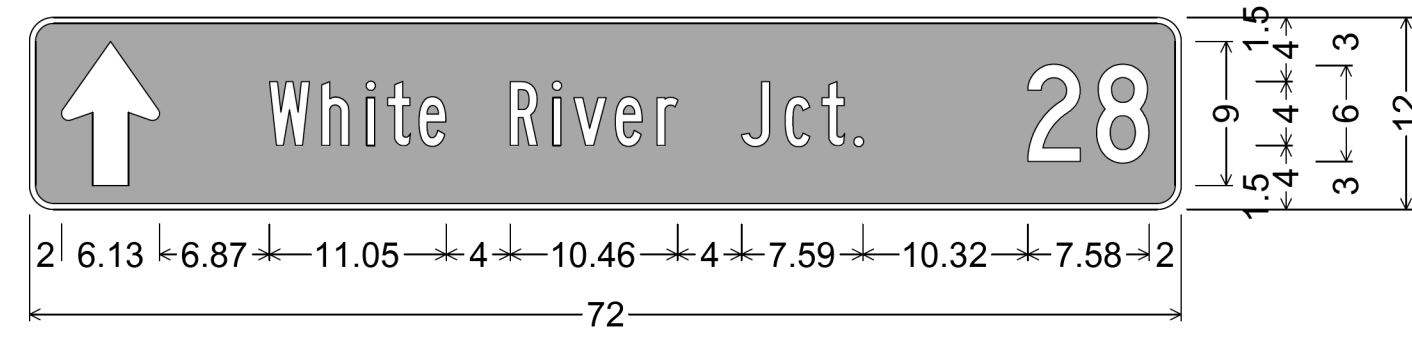
1.50" Radius, 0.38" Border, White on Green;  
Standard Arrow Custom 9.00" X 6.13" 90°; "Killington" C; "6" C;  
Table of letter and object lefts.

K	i	l	l	i	n	g	t	o	n	
2.00	15.00	19.75	22.49	25.22	27.95	30.69	35.14	39.46	42.86	47.43
6										
66.72										



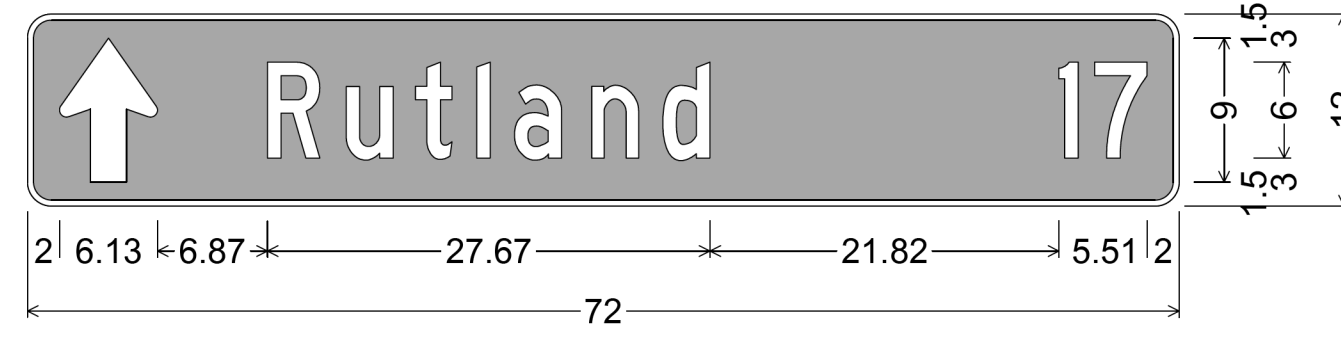
1.50" Radius, 0.38" Border, White on Green;  
"W." C; "Bridgewater" C; "6" C;  
Table of letter and object lefts.

W	.									
2.00	7.18									
B	r	i	d	g	e	w	a	t	e	r
12.02	17.07	20.45	22.80	27.25	31.70	35.71	41.30	45.62	49.02	53.51
6										
66.72										



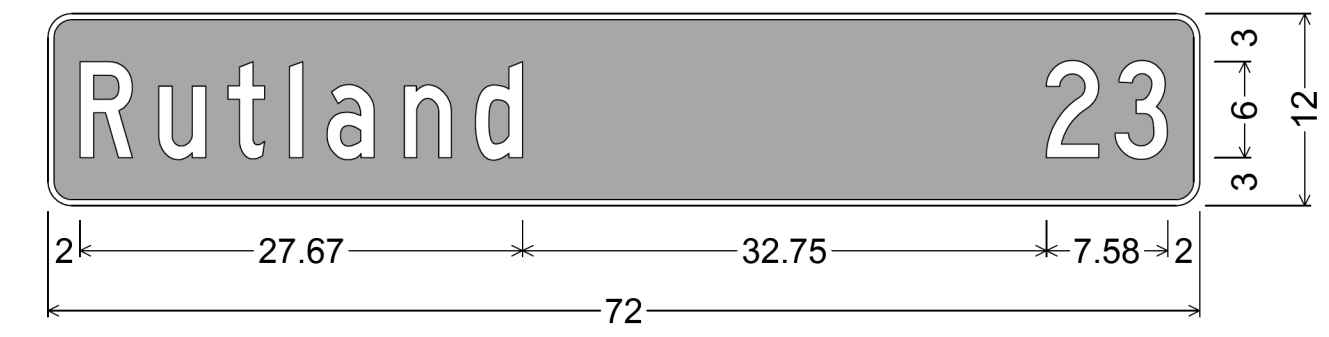
1.50" Radius, 0.38" Border, White on Green;  
Standard Arrow Custom 9.00" X 6.13" 90°; "White River Jct." B;  
"28" C;  
Table of letter and object lefts.

W	h	i	t	e	R	i	v	e	r	
2.00	15.00	18.27	21.07	22.39	24.36	30.05	32.71	34.03	36.63	39.23
J	c	t	2	8						
44.51	47.24	49.54	51.60	62.42	66.72					



1.50" Radius, 0.38" Border, White on Green;  
Standard Arrow Custom 9.00" X 6.13" 90°; "Rutland" C; "17" C;  
Table of letter and object lefts.

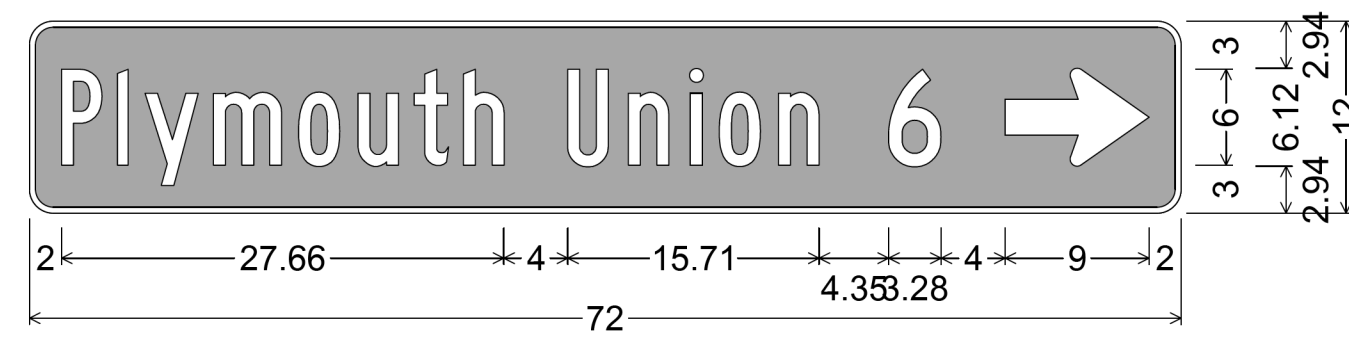
R	u	t	l	a	n	d	l	7	
2.00	15.00	19.93	24.26	28.10	30.45	35.28	39.73	64.49	66.72



1.50" Radius, 0.38" Border, White on Green;  
"Rutland" C; "23" C;  
Table of letter and object lefts.

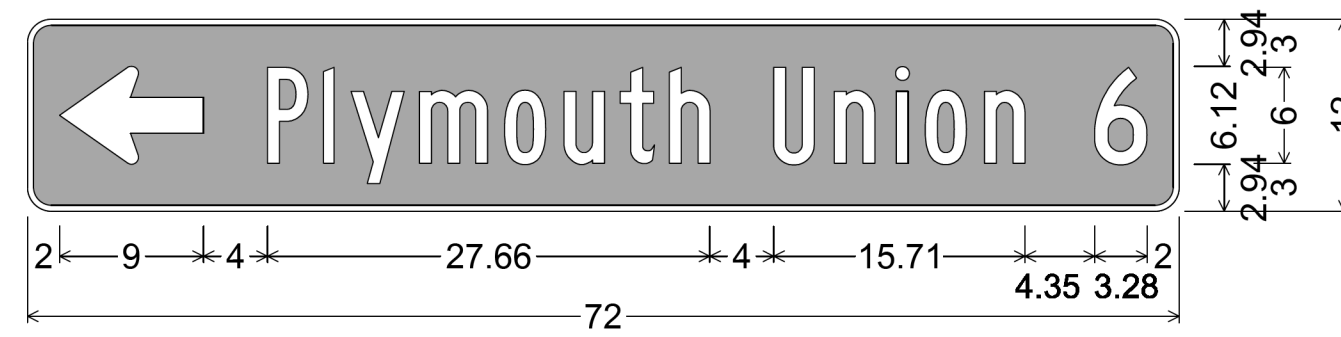
R	u	t	l	a	n	d	2	3
2.00	6.93	11.26	15.10	17.45	22.28	26.73	62.42	66.72

STA. B 290+57.1LT



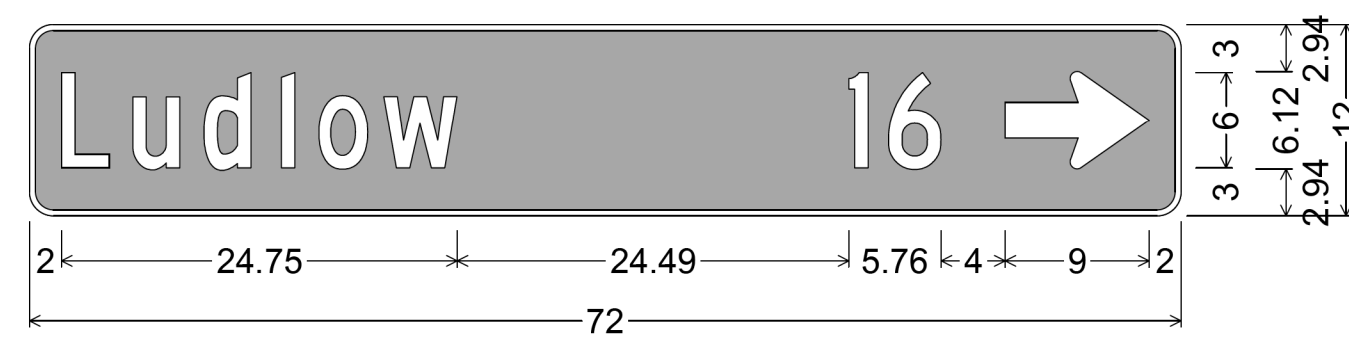
1.50" Radius, 0.38" Border, White on Green;  
"Plymouth" B 80% spacing; "Union" B 80% spacing; "6" C;  
Standard Arrow Custom 9.00" X 6.13" 0°;  
Table of letter and object lefts.

P	l	y	m	o	u	t	h
2.00	5.51	7.24	11.51	16.83	20.54	24.05	27.13
u	n	i	o	n	6		
33.66	37.44	41.31	43.13	46.84	53.72	61.00	



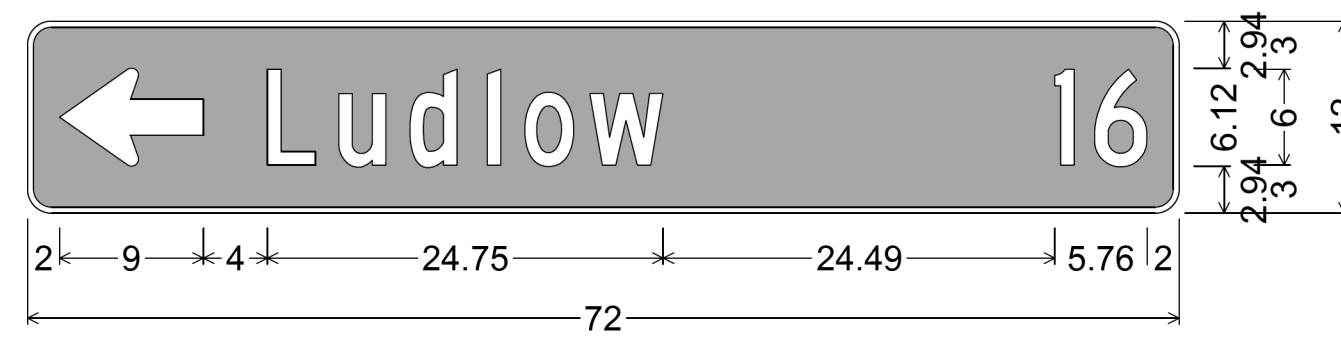
1.50" Radius, 0.38" Border, White on Green;  
Standard Arrow Custom 9.00" X 6.13" 180°;  
"Plymouth" B 80% spacing; "Union" B 80% spacing; "6" C;  
Table of letter and object lefts.

P	l	y	m	o	u	t	h	
2.00	15.00	18.51	20.24	24.51	29.83	33.54	37.05	40.13
u	n	i	o	n	6			
46.66	50.44	54.31	56.13	59.84	66.72			



1.50" Radius, 0.38" Border, White on Green;  
"Ludlow" C; "16" C; Standard Arrow Custom 9.00" X 6.13" 0°;  
Table of letter and object lefts.

L	u	d	l	o	w	l	6	
2.00	6.47	10.92	15.75	18.11	22.16	51.24	53.72	61.00



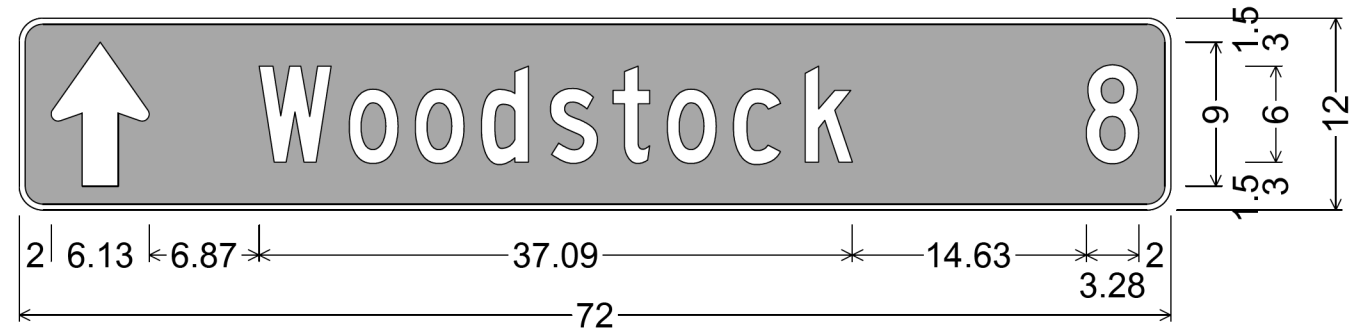
1.50" Radius, 0.38" Border, White on Green;  
Standard Arrow Custom 9.00" X 6.13" 180°; "Ludlow" C; "16" C;  
Table of letter and object lefts.

L	u	d	l	o	w	l	6	
2.00	15.00	19.47	23.92	28.75	31.11	35.16	64.24	66.72

STA. B 7+88.1LT

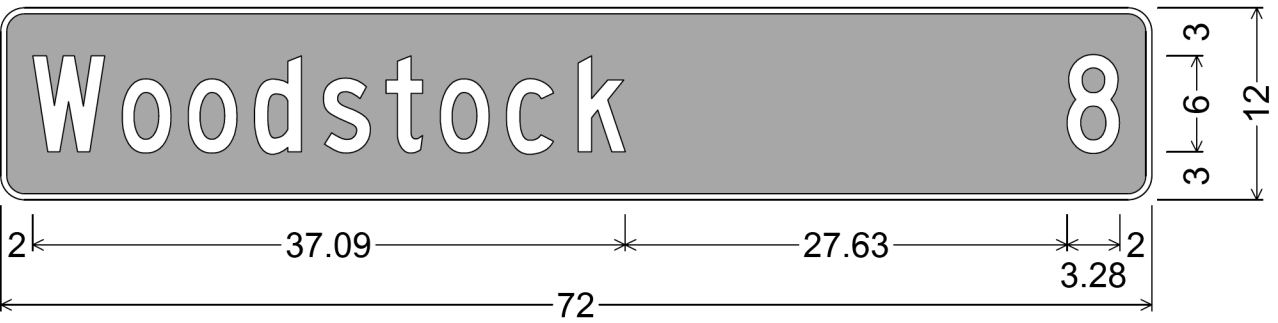
STA. K 446+60.9 RT

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92sgnde+tdr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
TRAFFIC SIGN DETAIL SHEET 2	
PLOT DATE:	3/7/2016
DRAWN BY:	S. MUSTO
CHECKED BY:	ATKINS/SOBEL
SHEET	124 OF 146



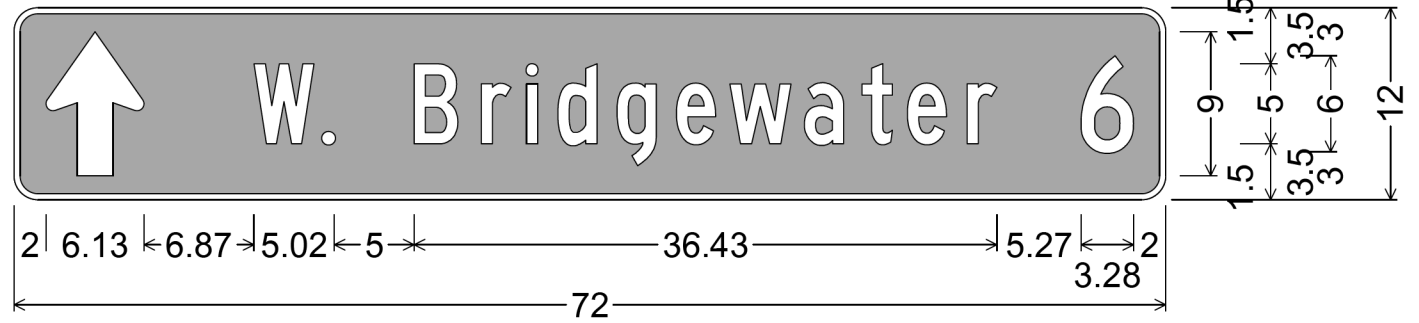
1.50" Radius, 0.38" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.13" 90°; "Woodstock" C; "8" C;  
 Table of letter and object lefts.

↑	W	o	o	d	s	t	o	c	k	8
2.00	15.00	20.65	24.77	28.90	33.22	37.13	40.53	44.66	49.15	66.72



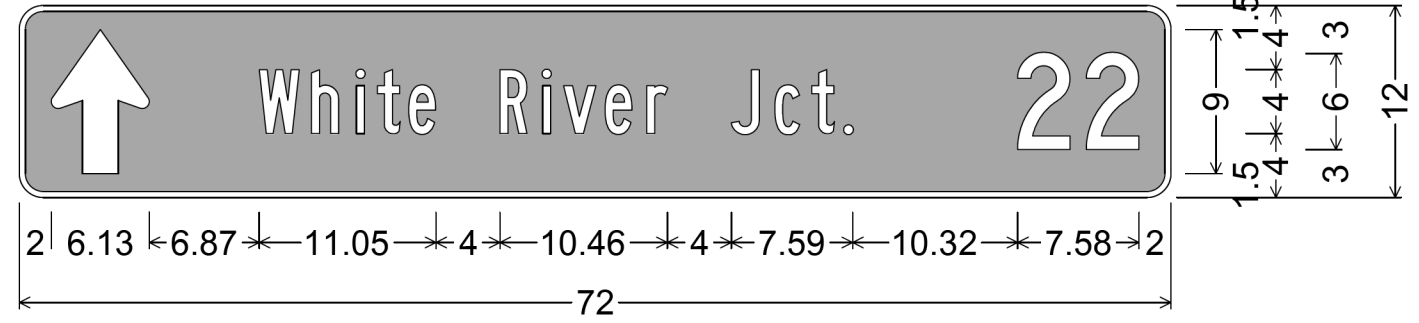
1.50" Radius, 0.38" Border, White on Green;  
 "Woodstock" C; "8" C;  
 Table of letter and object lefts.

W	o	o	d	s	t	o	c	k	8
2.00	7.65	11.77	15.90	20.22	24.13	27.53	31.66	36.15	66.72



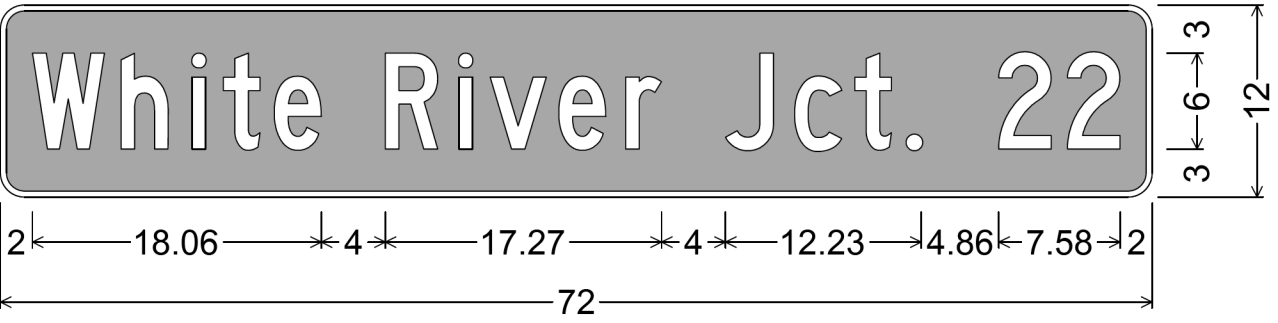
1.50" Radius, 0.38" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.13" 90°; "W. Bridgewater" C; "6" C;  
 Table of letter and object lefts.

↑	W	o	o	d	s	t	o	c	k	6			
2.00	15.00	19.32	25.02	29.22	32.04	34.00	37.71	41.42	44.76	49.42	53.02	55.85	59.59



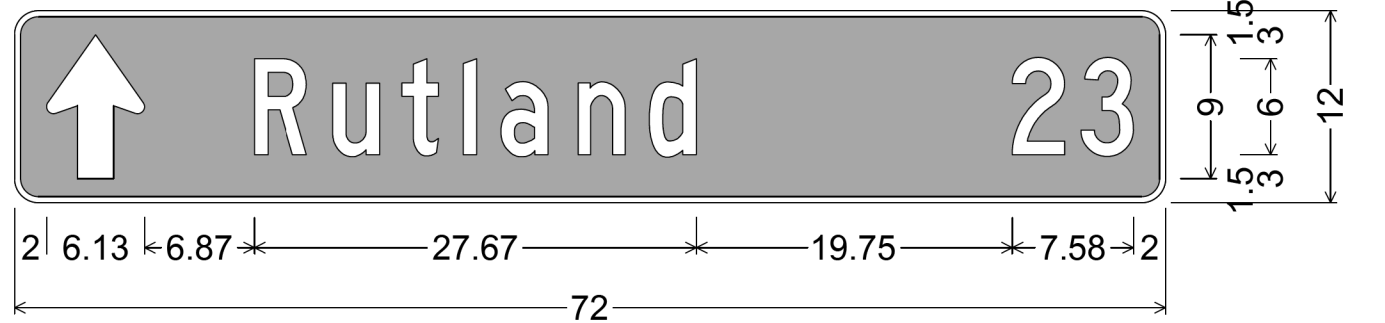
1.50" Radius, 0.38" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.13" 90°; "White River Jct." B;  
 "22" C;  
 Table of letter and object lefts.

↑	W	h	i	t	e	R	i	v	e	r	J	c	t	2	2
2.00	15.00	18.27	21.07	22.39	24.36	30.05	32.71	34.03	36.63	39.23	44.51	47.24	49.54	51.60	66.72



1.50" Radius, 0.38" Border, White on Green;  
 "White" C 80% spacing; "River" C 80% spacing; "Jct." C 80% spacing;  
 "22" C;  
 Table of letter and object lefts.

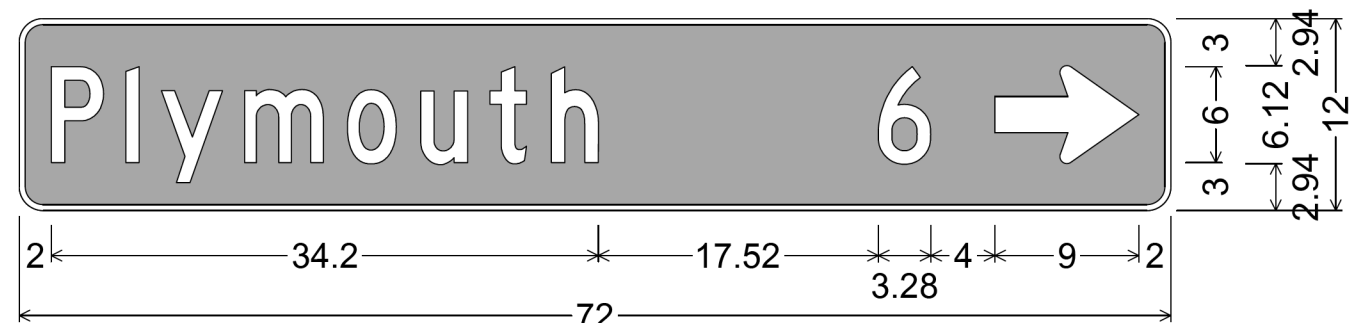
W	h	i	t	e	R	i	v	e	r	J	c	t	2	2
2.00	7.55	12.00	13.95	17.13	24.06	28.67	30.62	34.92	39.09	45.33	49.65	53.42	56.72	66.72



1.50" Radius, 0.38" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.13" 90°; "Rutland" C; "23" C;  
 Table of letter and object lefts.

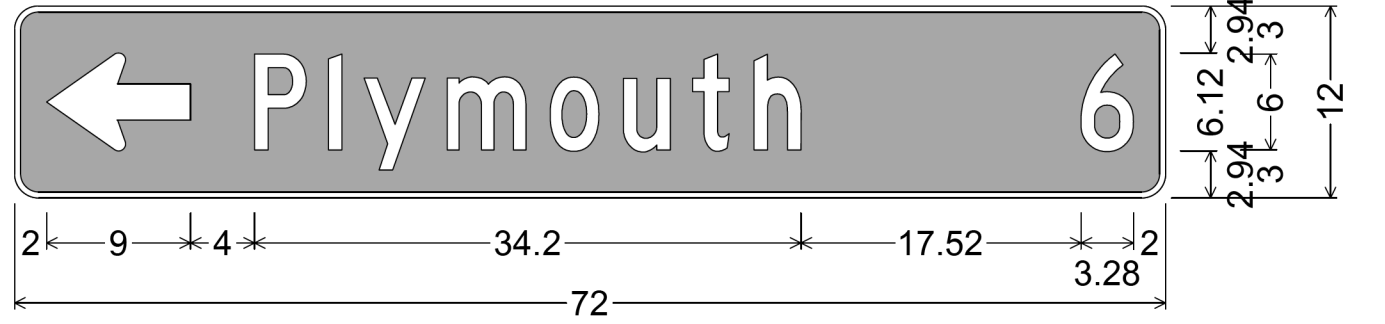
↑	R	u	t	l	a	n	d	2	3
2.00	15.00	19.93	24.26	28.10	30.45	35.28	39.73	62.42	66.72

STA. B 304+27.1RT



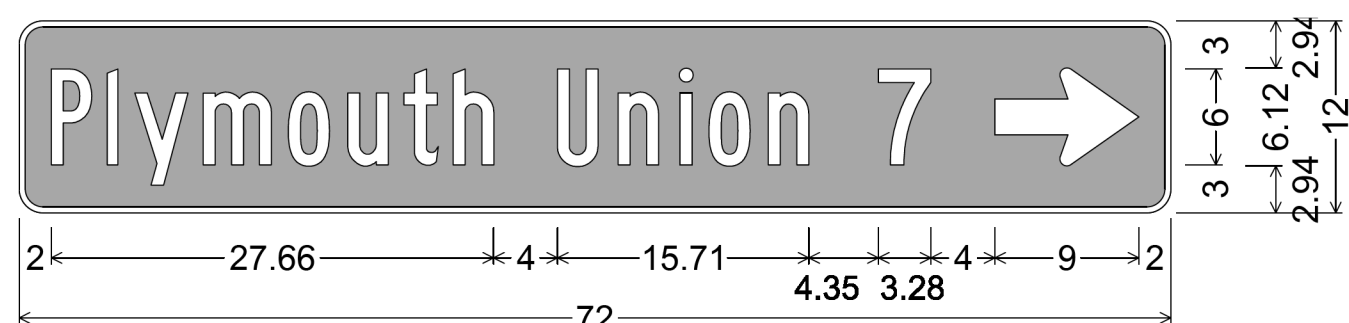
1.50" Radius, 0.38" Border, White on Green;  
 "Plymouth" C; "6" C; Standard Arrow Custom 9.00" X 6.13" 0°;  
 Table of letter and object lefts.

P	l	y	m	o	u	t	h	6	→
2.00	6.66	8.89	14.09	20.54	25.10	29.42	33.27	53.72	61.00



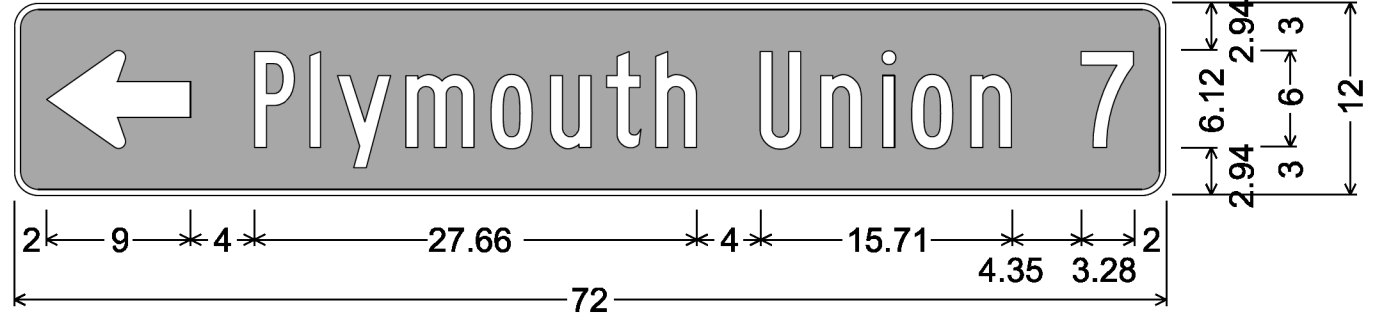
1.50" Radius, 0.38" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.13" 180°; "Plymouth" C; "6" C;  
 Table of letter and object lefts.

←	P	l	y	m	o	u	t	h	6
2.00	15.00	19.66	21.89	27.09	33.54	38.10	42.42	46.27	66.72



1.50" Radius, 0.38" Border, White on Green;  
 "Plymouth" B 80% spacing; "Union" B 80% spacing; "7" C;  
 Standard Arrow Custom 9.00" X 6.13" 0°;  
 Table of letter and object lefts.

P	l	y	m	o	u	t	h	7	→
2.00	5.51	7.24	11.51	16.83	20.54	24.05	27.13	33.66	61.00
U	n	i	o	n	7	→			
	33.66	37.44	41.31	43.13	46.84	53.72	61.00		



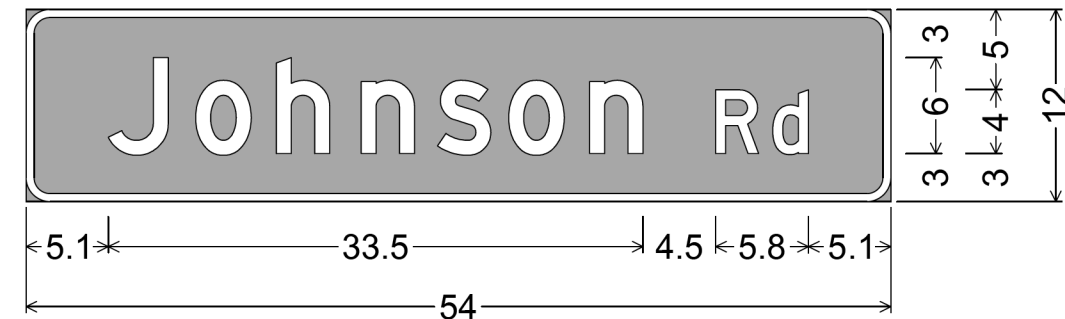
1.50" Radius, 0.38" Border, White on Green;  
 Standard Arrow Custom 9.00" X 6.13" 180°;  
 [Plymouth] B 80) spacing; [Union] B 80) spacing; [7] C;  
 Table of letter and object lefts.

←	P	l	y	m	o	u	t	h	7
2.00	15.00	18.51	20.24	24.51	29.83	33.54	37.05	40.13	46.66

STA. B 304+61.3 LT

STA. B 295+95.0 RT

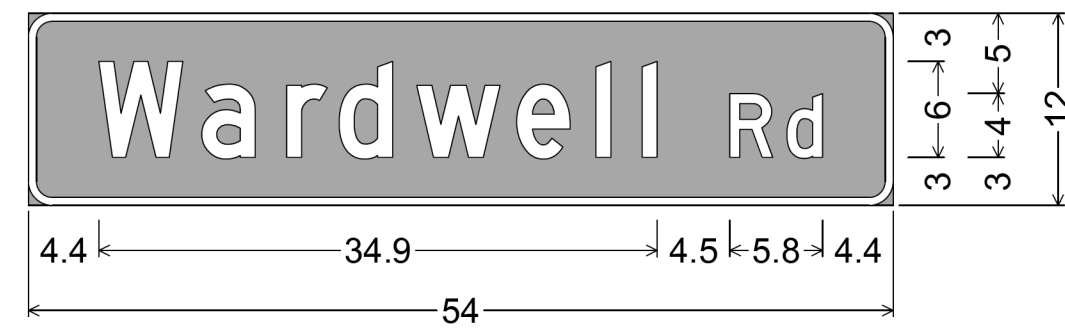
PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92sgnde+bdrr.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: S. MUSTO
DESIGNED BY: T. BIGELOW	CHECKED BY: ATKINS/SOBEL
TRAFFIC SIGN DETAIL SHEET 3	SHEET 125 OF 146



1.5" Radius, 0.5" Border, White on Green;  
 "Johnson" D; "Rd" D;  
 Table of letter and object lefts.

J	o	h	n	s	o	n	R	d
5.1	10.6	15.6	20.9	25.7	30.2	35.2	43.1	46.6

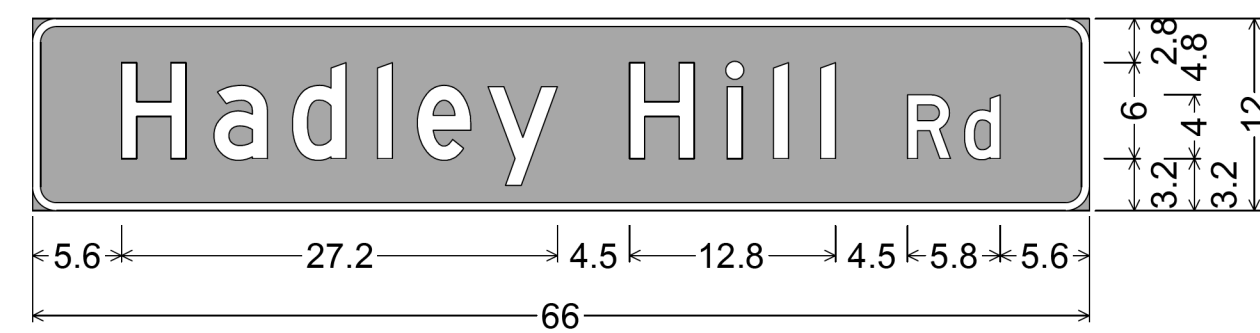
STA. K 421+78.3 LT, K 432+39.5 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Wardwell" D; "Rd" D;  
 Table of letter and object lefts.

W	a	r	d	w	e	l	R	d
4.4	10.8	16.1	19.4	24.3	30.5	35.5	43.8	47.4

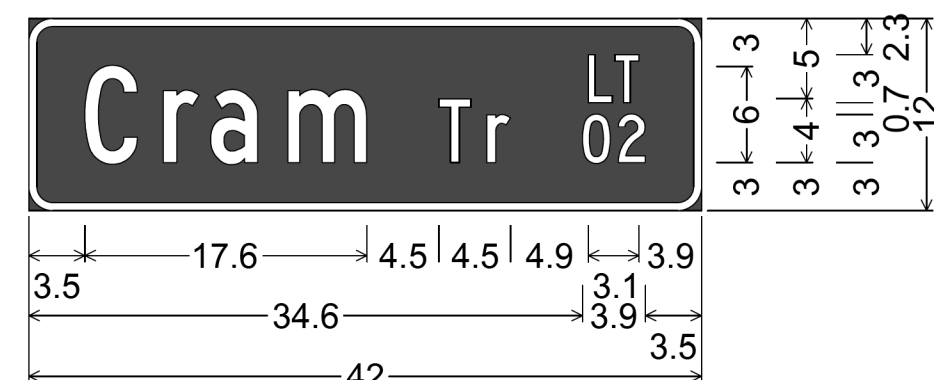
STA. K 425+90.5 RT



1.5" Radius, 0.5" Border, White on Green;  
 "Hadley" D; "Hill" D; "Rd" D;  
 Table of letter and object lefts.

H	a	d	l	e	y	H	i	l	l	R	d
5.6	11.3	16.3	21.6	24.1	28.5	37.3	43.4	46.3	49.2	54.6	58.2

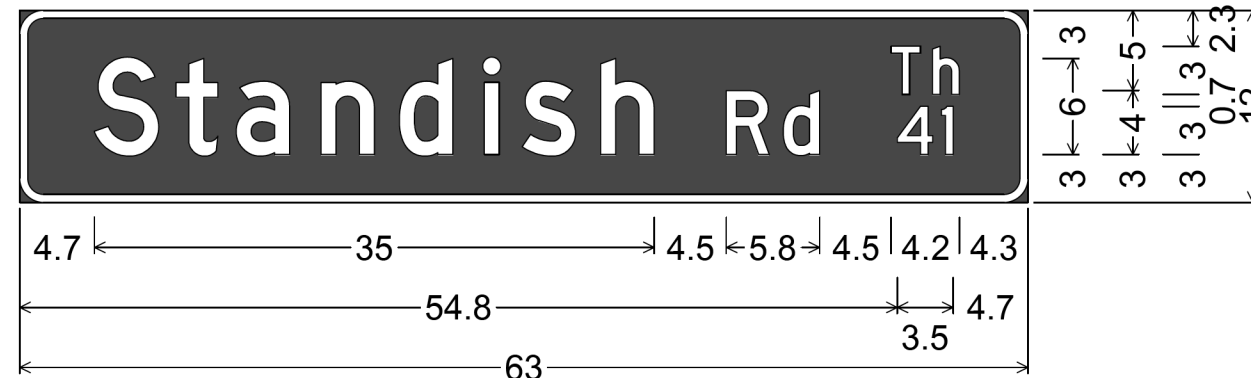
STA. K 435+58.6 RT



1.5" Radius, 0.5" Border, White on Blue;  
 "Cram" C; "Tr" C; "LT" C; "02" C;  
 Table of letter and object lefts.

C	r	a	m	T	r	L	T
3.5	8.4	11.4	16.2	25.6	28.6	35.0	36.6
0	2						
34.6	36.8						

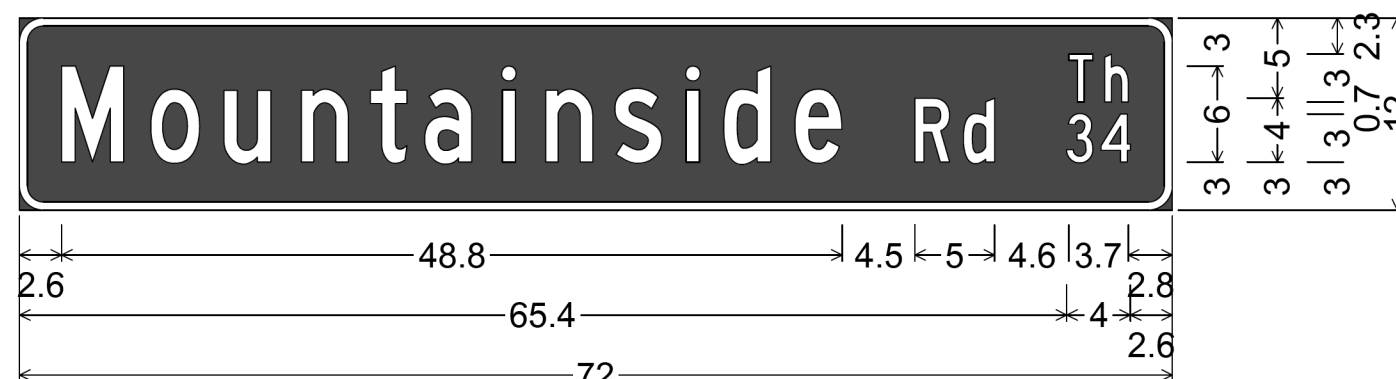
STA. B 6+05.8 LT



1.5" Radius, 0.5" Border, White on Blue;  
 "Standish" D; "Rd" D; "Th" D; "41" D;  
 Table of letter and object lefts.

S	t	a	n	d	i	s	h	R	d
4.7	9.8	13.5	18.8	23.7	29.0	31.4	36.3	44.2	47.7
	T	h							
	54.5	57.0							
4	54.8	57.6							

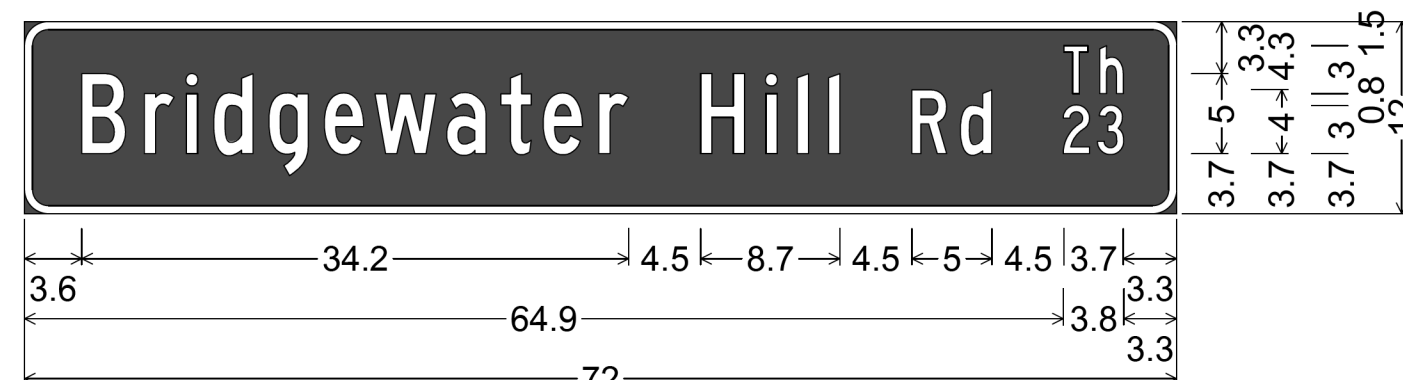
STA. B 70+34.8 RT



1.5" Radius, 0.5" Border, White on Blue;  
 "Mountainside" C; "Rd" C; "Th" C; "34" C;  
 Table of letter and object lefts.

M	o	u	n	t	a	i	n	s	i	d	e
2.6	8.2	12.8	17.6	21.9	25.3	30.2	32.9	37.2	41.7	44.0	48.5
	R	d	T	h							
	55.9	58.9	65.5	67.8							
3	65.4	67.5									

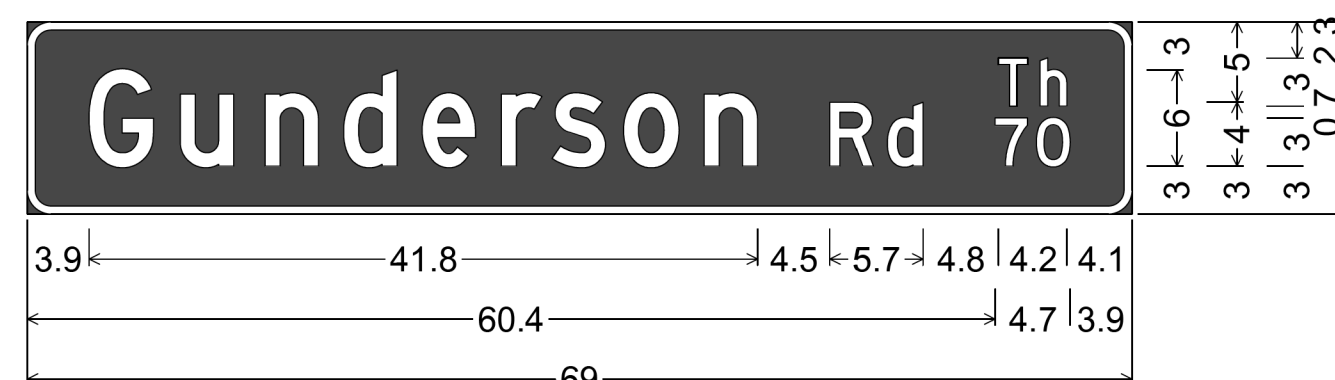
STA. B 83+67.5 RT, B 93+20.5 RT



1.5" Radius, 0.5" Border, White on Blue;  
 "Bridgewater" C 80% spacing; "Hill" C 80% spacing; "Rd" C; "Th" C;  
 "23" C;  
 Table of letter and object lefts.

B	r	i	d	g	e	w	a	t	e	r
3.6	7.5	10.1	11.8	15.3	18.7	21.9	26.4	29.8	32.4	35.9
	H	i	l	l	R	d	T	h		
	42.3	46.3	48.3	50.3	55.5	58.5	65.0	67.2		
2	64.9	67.1								

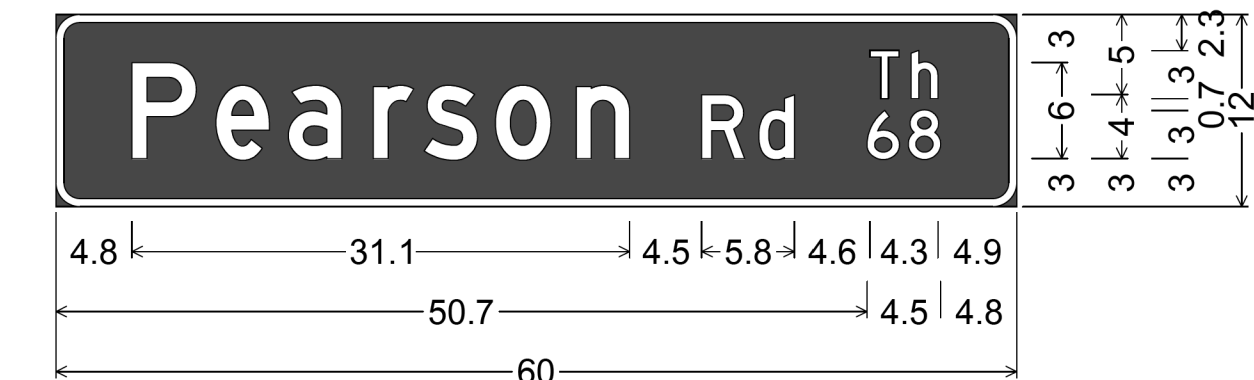
STA. B 109+41.3 LT



1.5" Radius, 0.5" Border, White on Blue;  
 "Gunderson" D; "Rd" D; "Th" D; "70" D;  
 Table of letter and object lefts.

G	u	n	d	e	r	s	o	n	R	d	T	h
3.9	9.6	14.9	19.8	24.7	29.6	32.8	37.3	42.3	50.2	53.7	60.7	63.3
7	60.4	63.0										

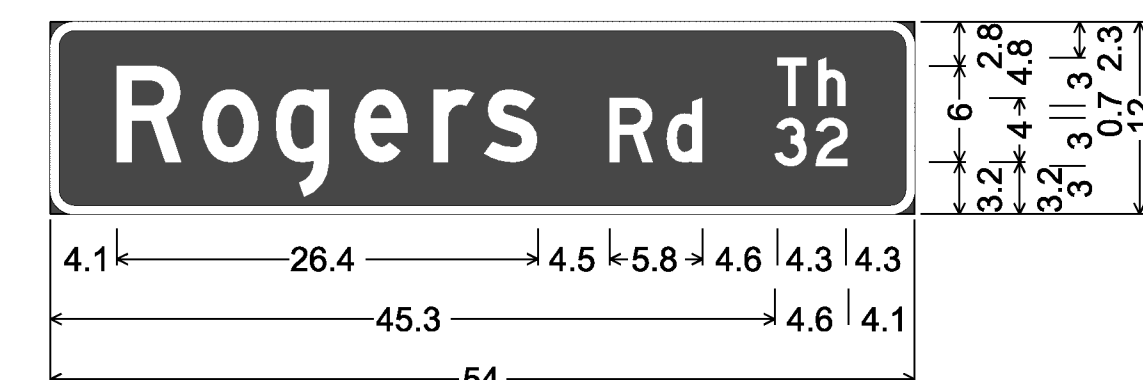
STA. B 176+16.8 RT



1.5" Radius, 0.5" Border, White on Blue;  
 "Pearson" D; "Rd" D; "Th" D; "68" D;  
 Table of letter and object lefts.

P	e	a	r	s	o	n	R	d	T	h
4.8	10.0	14.5	19.8	23.0	27.5	32.5	40.4	43.9	50.8	53.4
6	50.7	53.2								

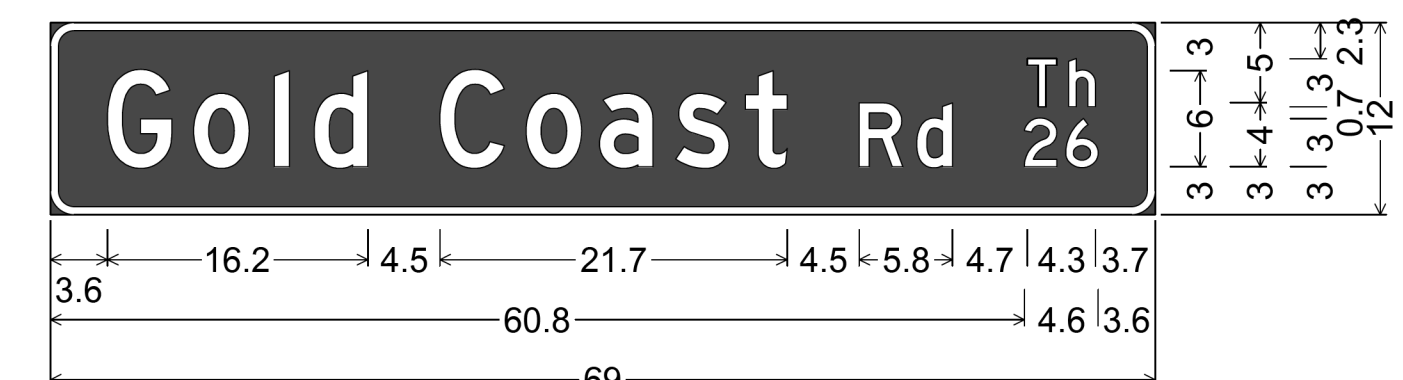
STA. B 135+11.7 RT



1.5" Radius, 0.5" Border, White on Blue;  
 "Rogers" D; "Rd" D; "Th" D; "32" D;  
 Table of letter and object lefts.

R	o	g	e	r	s	R	d	T	h
4.1	9.5	14.1	19.0	23.9	27.1	35.0	38.5	45.4	48.0
3	45.3	47.8							

STA. B 210+28.2 LT

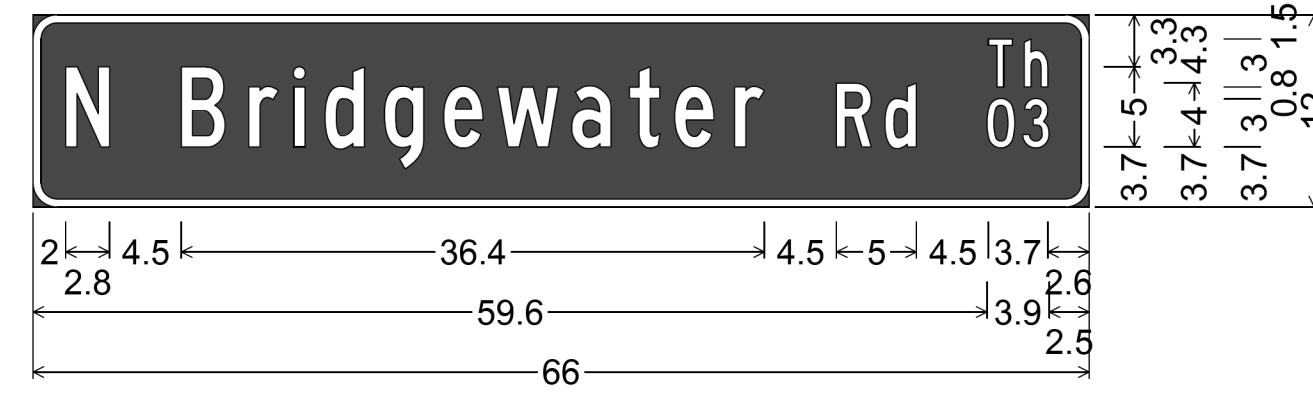


1.5" Radius, 0.5" Border, White on Blue;  
 "Gold" D; "Coast" D; "Rd" D; "Th" D; "26" D;  
 Table of letter and object lefts.

G	o	l	d	C	o	a	s	t	R	d	T	h
3.6	9.0	14.0	16.5	24.3	29.7	34.3	39.1	43.4	50.5	54.1	61.0	63.6
2	60.8	63.4										

STA. B 367+73.9 LT

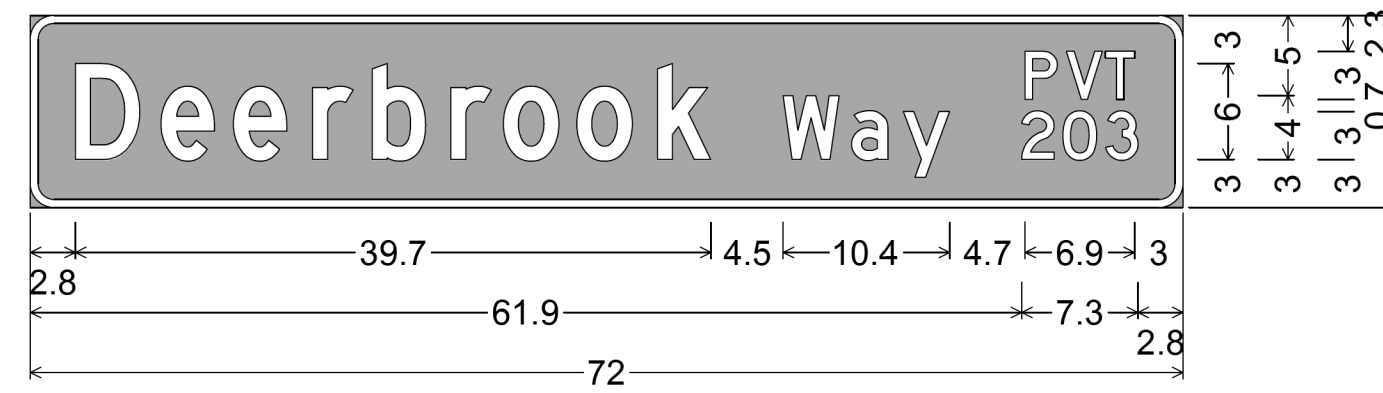
PROJECT NAME:	KILLINGTON-WOODSTOCK		
PROJECT NUMBER:	ER NH 020-2(38)		
FILE NAME:	z13bi92sgnde+tdr.dgn	PLOT DATE:	3/7/2016
PROJECT LEADER:	E. ATKINS	DRAWN BY:	S. MUSTO
DESIGNED BY:	T. BIGELOW	CHECKED BY:	ATKINS/SOBEL
TRAFFIC SIGN DETAIL SHEET 4		SHEET	126 OF 146



1.5" Radius, 0.5" Border, White on Blue;  
 "N" C; "Bridgewater" C; "Rd" C; "Th" C; "03" C;  
 Table of letter and object lefts.

N	B	r	i	d	g	e	w	a	t	e	r
2.0	9.3	13.5	16.3	18.3	22.0	25.7	29.0	33.7	37.3	40.1	43.8
	R	d	T	h							
	50.2	53.2	59.7	61.9							
0	3										
59.6	61.9										

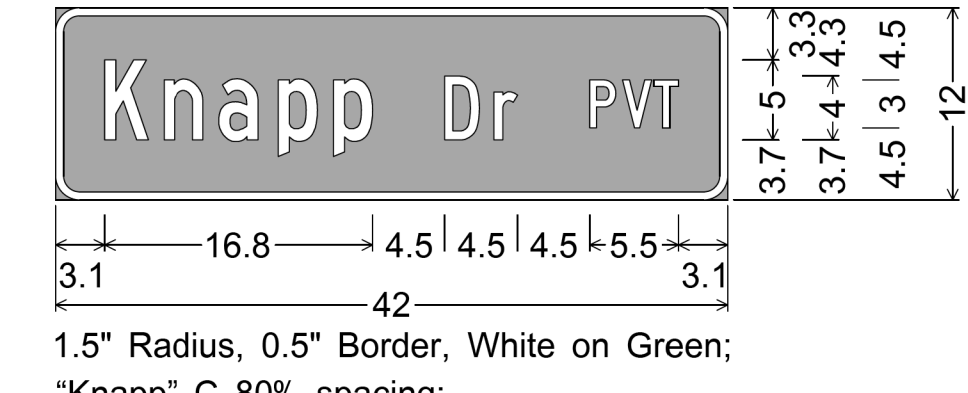
STA. B 383+50.4 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Deerbrook" D; "Way" D; "PVT" D; "203" D;  
 Table of letter and object lefts.

D	e	e	r	b	r	o	o	k	W	a	y
2.8	8.2	12.7	17.6	21.4	26.3	29.6	34.2	39.2	47.0	51.3	54.5
	P	V	T								
	62.1	64.7	67.1								
2	0	3									
61.9	64.5	67.2									

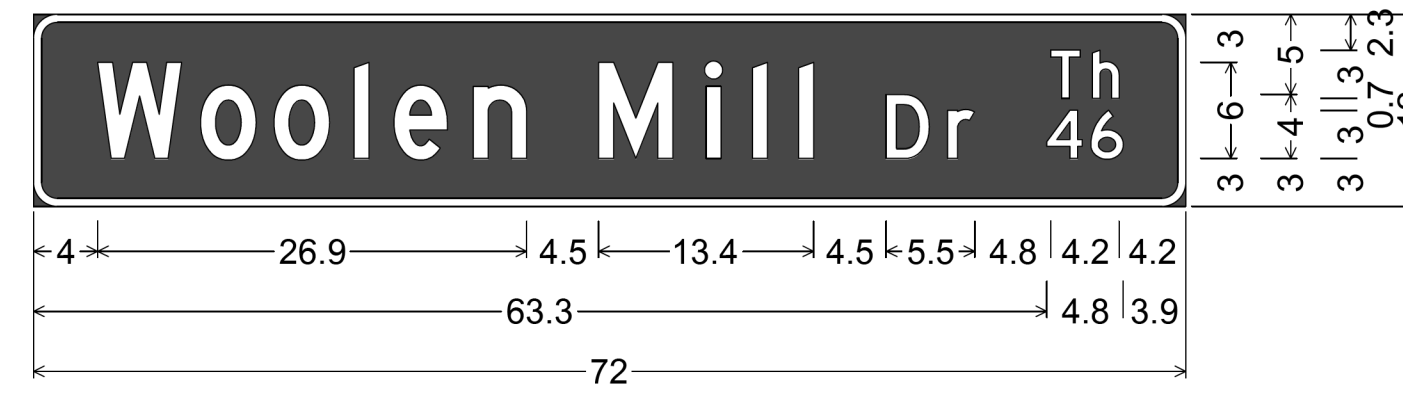
STA. W 73+43.8 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Knapp" C 80% spacing;  
 "Dr" C 80% spacing;  
 "PVT" C 80% spacing;  
 Table of letter and object lefts.

K	n	a	p	p	D	r
3.1	6.8	10.2	14.0	17.4	24.4	27.4
	P	V	T			
	33.4	35.5	37.4			

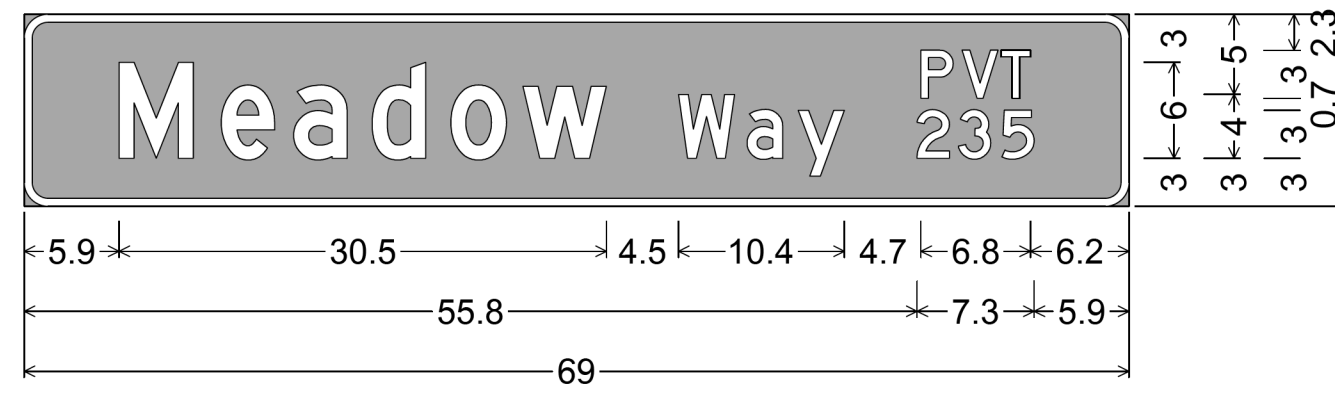
STA. W 127+32.0 LT



1.5" Radius, 0.5" Border, White on Blue;  
 "Woolen" D; "Mill" D; "Dr" D; "Th" D; "46" D;  
 Table of letter and object lefts.

W	o	o	l	e	n	M	i	l	l	D	r
4.0	10.4	15.0	20.1	22.6	27.5	35.4	42.1	45.0	47.9	53.3	57.1
	T	h									
	63.6	66.2									
4	6										
63.3	66.1										

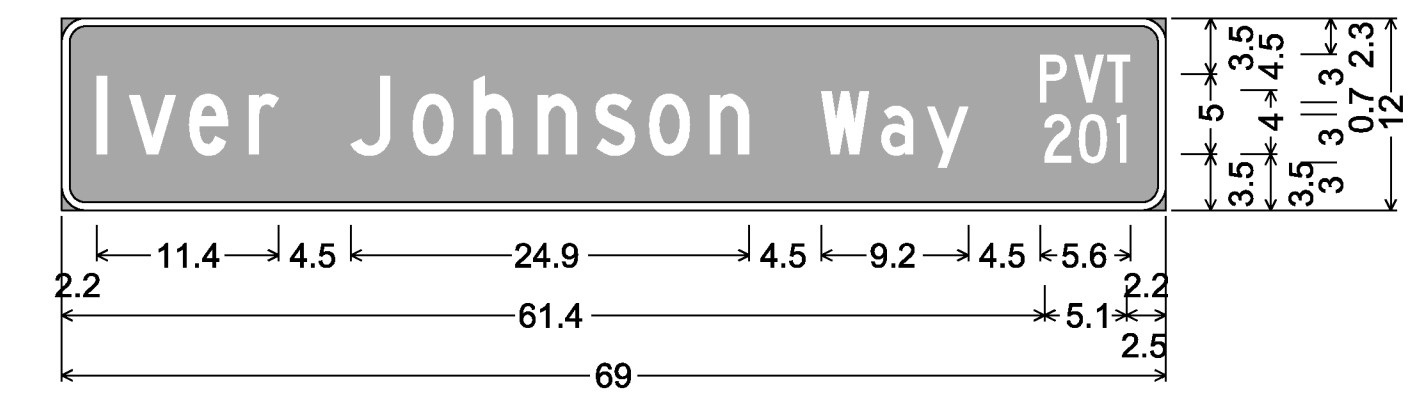
STA. B 388+76.9 RT



1.5" Radius, 0.5" Border, White on Green;  
 "Meadow" D; "Way" D; "PVT" D; "235" D;  
 Table of letter and object lefts.

M	e	a	d	o	w	W	a	y	P	V	T
5.9	12.3	16.8	21.8	26.7	31.2	40.9	45.2	48.4	56.0	58.6	61.0
2	3	5									
55.8	58.3	61.1									

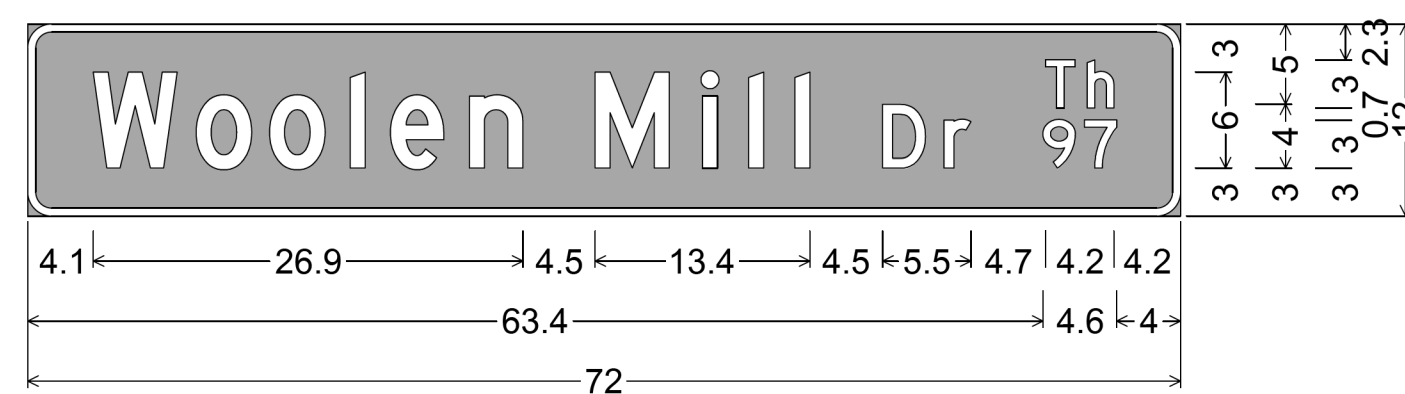
STA. W 91+82.1LT



1.5" Radius, 0.5" Border, White on Green;  
 [Iver] C; [Johnson] C; [Way] C; [PVT] C; [201] C;  
 Table of letter and object lefts.

I	v	e	r	J	o	h	n	s	o	n
2.2	4.2	8.0	11.7	18.1	21.9	25.7	29.8	33.4	36.7	40.5
	W	a	y	P	V	T				
	47.5	51.2	54.1	61.2	63.3	65.3				
2	0	1								
61.4	63.6	65.9								

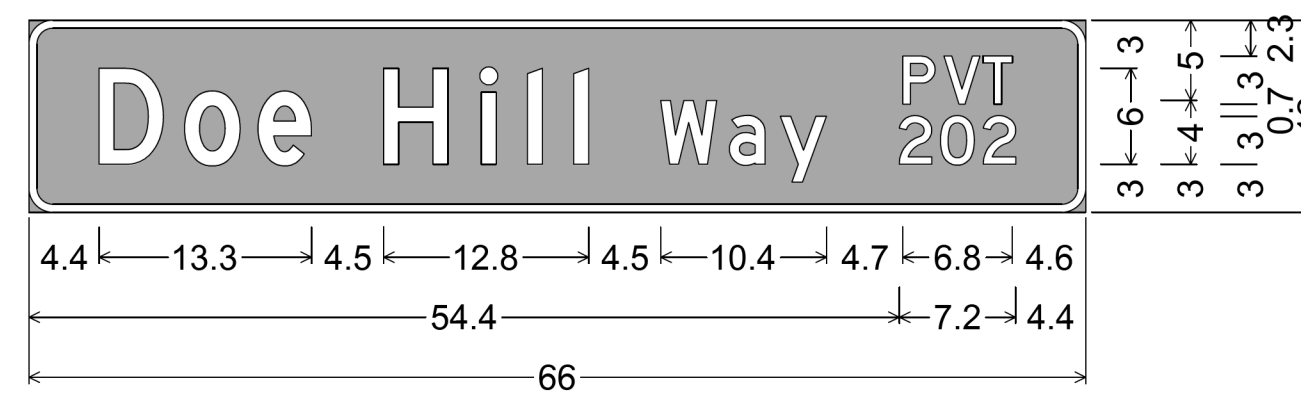
STA. W 138+82.3 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Woolen" D; "Mill" D; "Dr" D; "Th" D; "97" D;  
 Table of letter and object lefts.

W	o	o	l	e	n	M	i	l	l	D	r
4.1	10.5	15.1	20.2	22.7	27.6	35.5	42.2	45.1	47.9	53.4	57.2
	T	h									
	63.6	66.2									
9	7										
63.4	66.0										

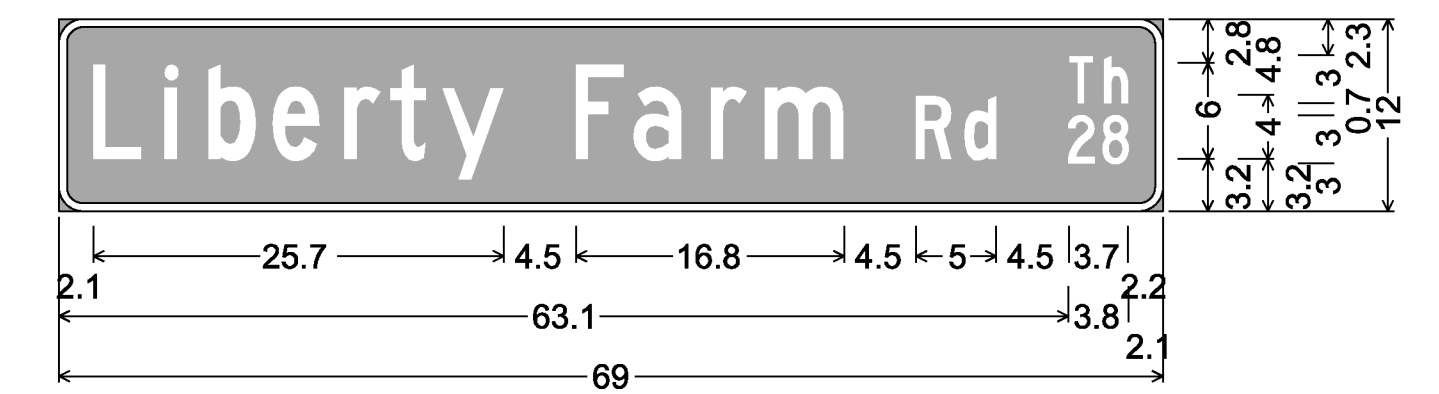
STA. W 5+48.5 RT



1.5" Radius, 0.5" Border, White on Green;  
 "Doe" D; "Hill" D; "Way" D; "PVT" D; "202" D;  
 Table of letter and object lefts.

D	o	e	H	i	l	l	W	a	y
4.4	9.7	14.3	22.2	28.3	31.2	34.0	39.5	43.8	47.0
	P	V	T						
	54.6	57.1	59.6						
2	0	2							
54.4	56.9	59.6							

STA. W 116+28.7 LT

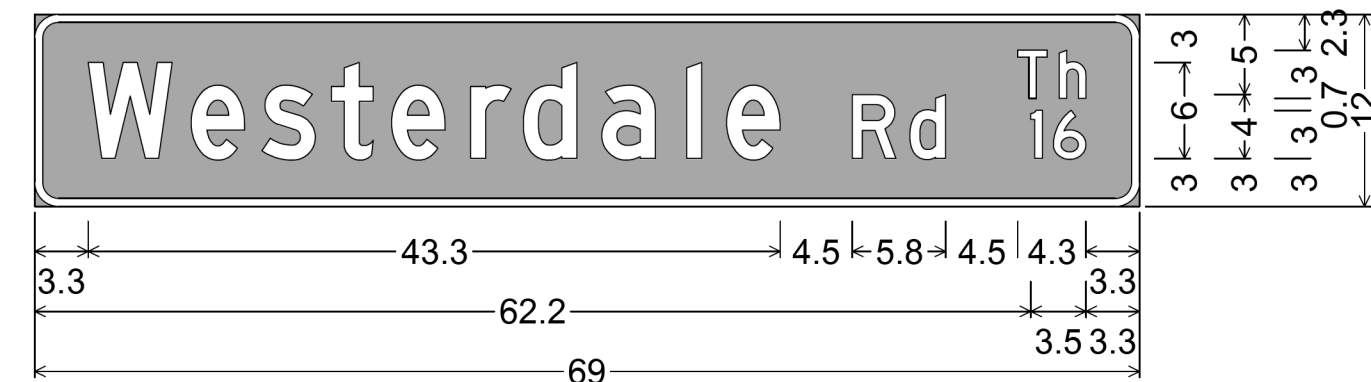


1.5" Radius, 0.5" Border, White on Green;  
 [Liberty] C; [Farm] C; [Rd] C; [Th] C; [28] C;  
 Table of letter and object lefts.

L	i	b	e	r	t	y	F	a	r	m	R	d
2.1	6.6	9.3	13.4	17.8	20.7	24.0	32.3	35.9	40.8	44.1	53.6	56.6
	T	h										
	63.1	65.3										
2	8											
63.1	65.2											

STA. W 143+01.4 RT

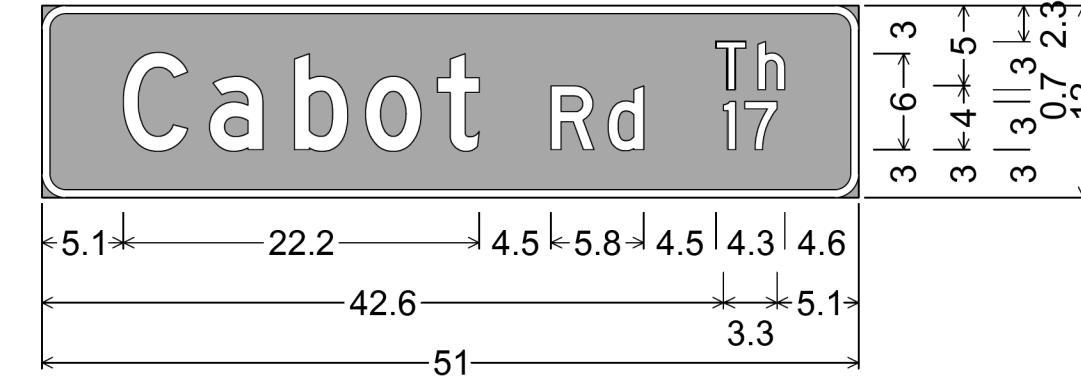
PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92sgnde+bdn.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
TRAFFIC SIGN DETAIL SHEET 5	
PLOT DATE:	3/7/2016
DRAWN BY:	S. MUSTO
CHECKED BY:	ATKINS/SOBEL
SHEET	127 OF 146



1.5" Radius, 0.5" Border, White on Green;  
 "Westerdale" D; "Rd" D; "Th" D; "16" D;  
 Table of letter and object lefts.

W	e	s	t	e	r	d	a	i	e	R	d
3.3	9.8	14.2	18.5	22.3	27.2	30.5	35.4	40.7	43.2	51.1	54.7
T h											
61.4		64.0									
I		6									
62.2		63.6									

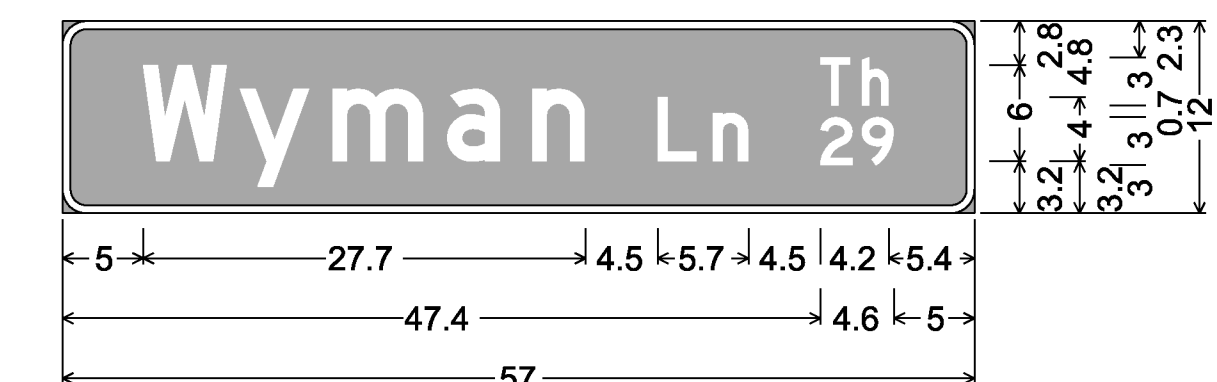
STA. W 172+19.6 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Cabot" D; "Rd" D; "Th" D; "17" D;  
 Table of letter and object lefts.

C	a	b	o	t	R	d	T	h
5.1	10.5	15.8	20.2	24.7	31.8	35.4	42.1	44.7
I		7						
42.6		43.9						

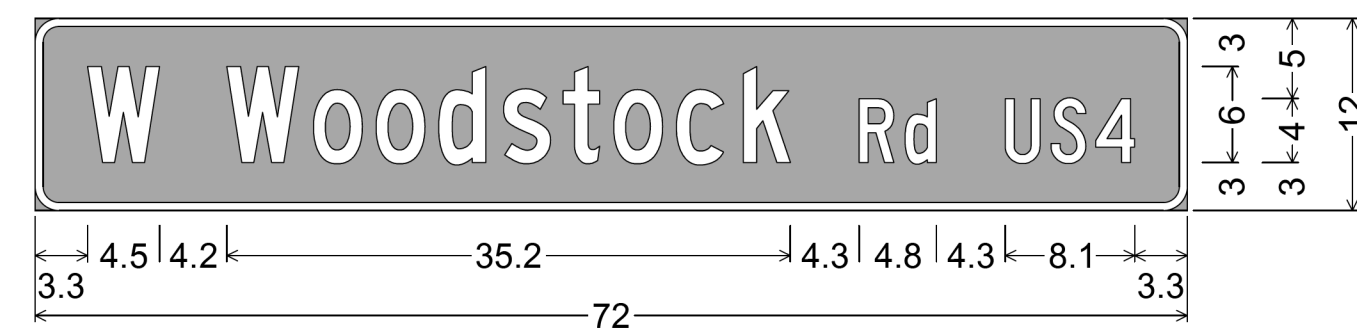
STA. W 179+06.3 LT



1.5" Radius, 0.5" Border, White on Green;  
 [Wyman] D; [Ln] D; [Th] D; [29] D;  
 Table of letter and object lefts.

W	y	m	a	n	L	n	T	h
5.0	11.1	16.9	24.0	29.3	37.2	40.6	47.4	50.0
I		9						
47.4		50.0						

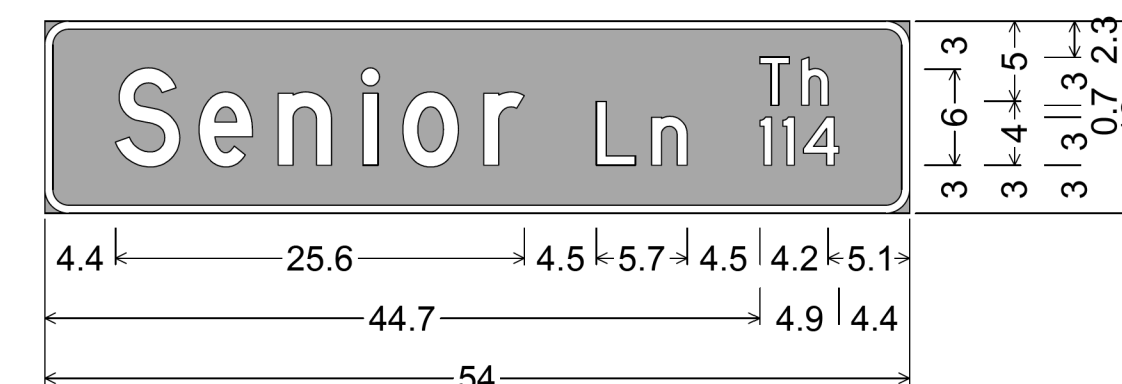
STA. W 215+39.9 LT



1.5" Radius, 0.5" Border, White on Green;  
 "W" C 80% spacing; "Woodstock" C 80% spacing;  
 "Rd" C 80% spacing; "US4" C 80% spacing;  
 Table of letter and object lefts.

W	W	o	o	d	s	t	o	c	k	R	d
3.3	12.0	17.4	21.3	25.2	29.3	33.0	36.2	40.1	44.3	51.5	54.4
U		S		4							
60.6		63.5		66.3							

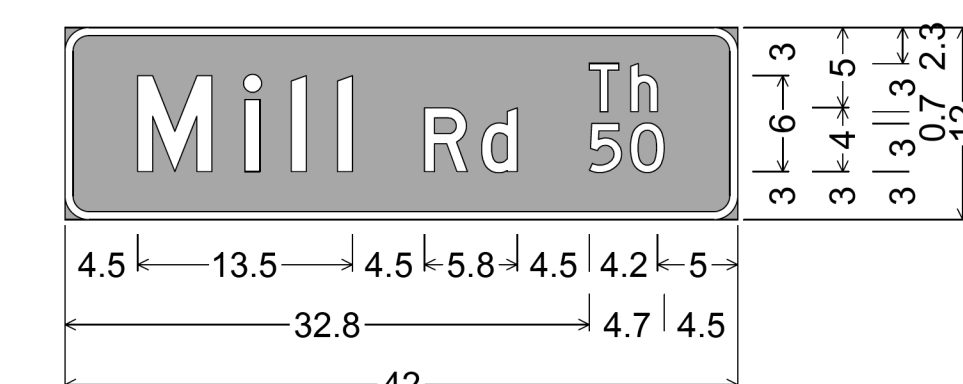
STA. W 172+25.1LT, W 232.48.0 LT, W 258+49.4 RT



1.5" Radius, 0.5" Border, White on Green;  
 "Senior" D; "Ln" D; "Th" D; "114" D;  
 Table of letter and object lefts.

S	e	n	i	o	r	L	n	T	h
4.4	9.6	14.6	19.9	22.4	27.4	34.5	37.9	44.7	47.2
I		I		4					
44.7		46.1		47.4					

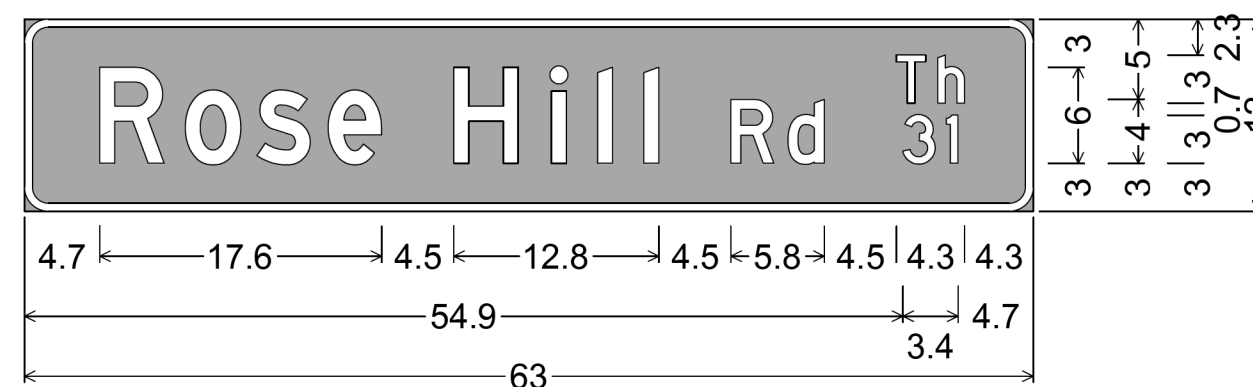
STA. W 231+90.0 LT, W 239+45.7 LT



1.5" Radius, 0.5" Border, White on Green;  
 "Mill" D; "Rd" D; "Th" D; "50" D;  
 Table of letter and object lefts.

M	i	l	l	R	d	T	h
4.5	11.3	14.1	17.0	22.5	26.0	32.8	35.4
5		0					
32.8		35.3					

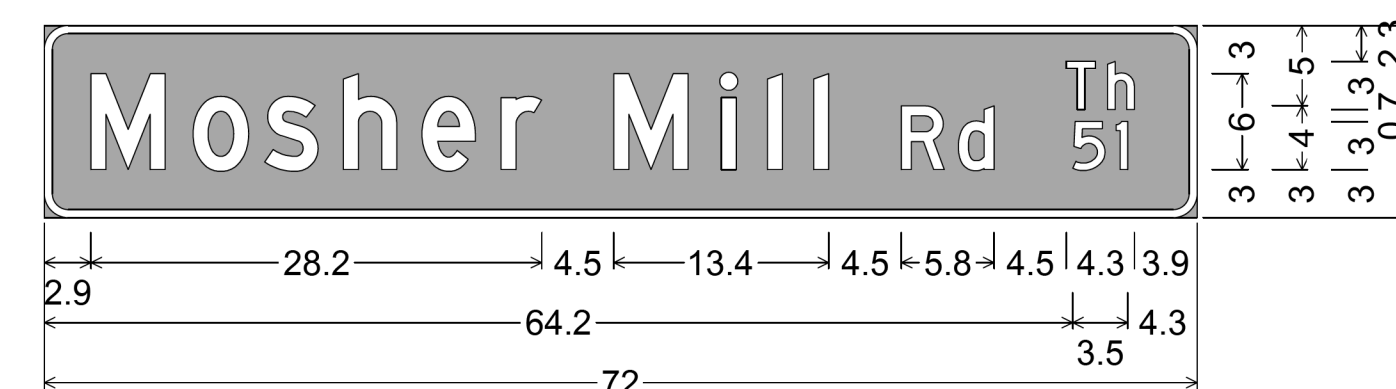
STA. W 252+11.5 RT



1.5" Radius, 0.5" Border, White on Green;  
 "Rose" D; "Hill" D; "Rd" D; "Th" D; "31" D;  
 Table of letter and object lefts.

R	o	s	e	H	i	l	l	R	d	
4.7	10.1	14.5	19.0	26.8	32.9	35.8	38.7	44.1	47.7	
T		h								
54.4		57.0								
3		I								
54.9		57.6								

STA. W 257+57.8 LT

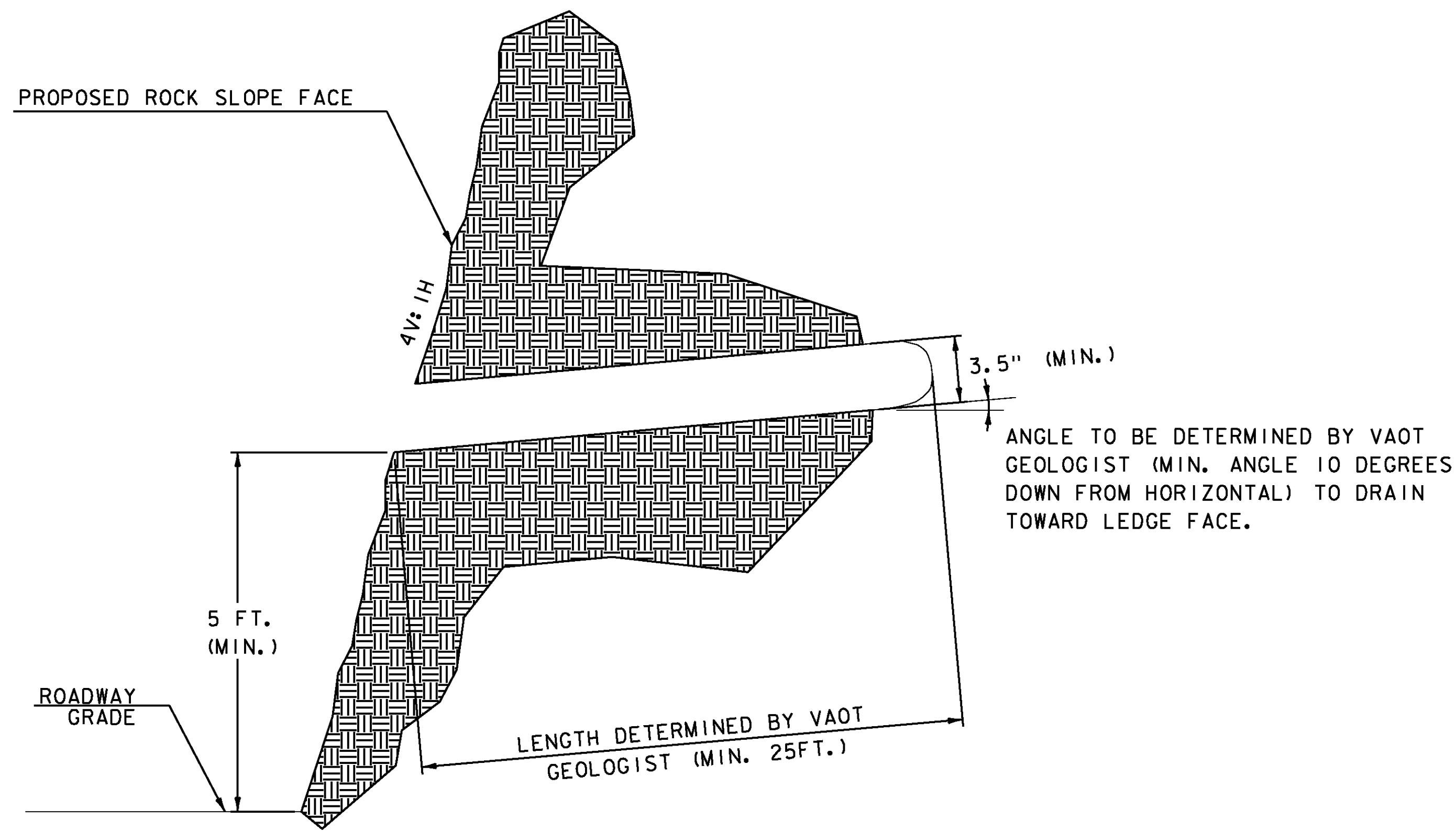


1.5" Radius, 0.5" Border, White on Green;  
 "Mosher" D; "Mill" D; "Rd" D; "Th" D; "51" D;  
 Table of letter and object lefts.

M	o	s	h	e	r	M	i	l	l	R	d
2.9	9.3	13.8	18.7	23.6	28.5	35.6	42.3	45.2	48.1	53.5	57.1
T		h									
63.8		66.4									
5		I									
64.2		66.9									

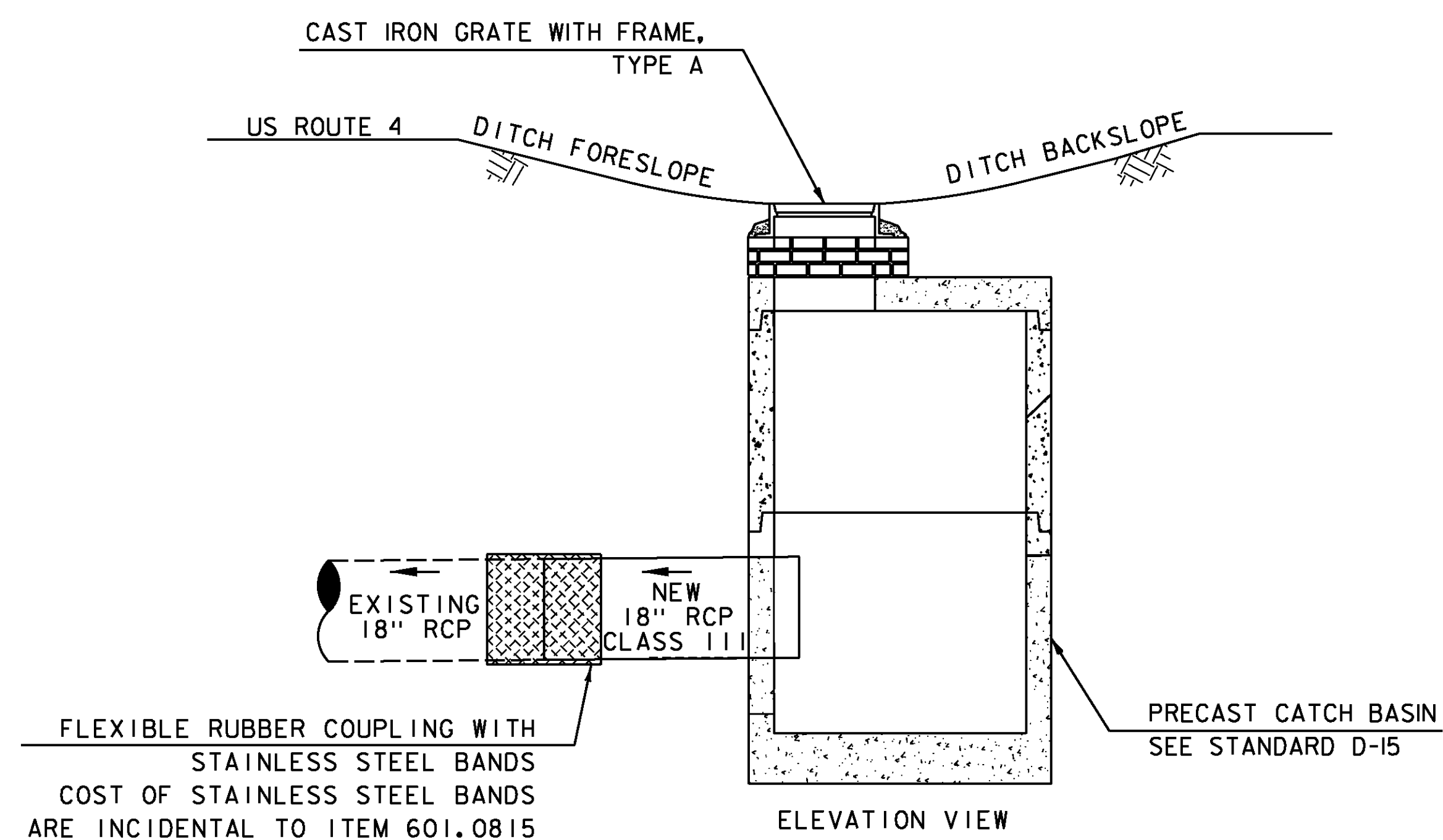
STA. W 258+56.4 RT

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92sgnde+bdrr.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
TRAFFIC SIGN DETAIL SHEET 6	
PLOT DATE:	3/7/2016
DRAWN BY:	S. MUSTO
CHECKED BY:	ATKINS/SOBEL
SHEET	128 OF 146



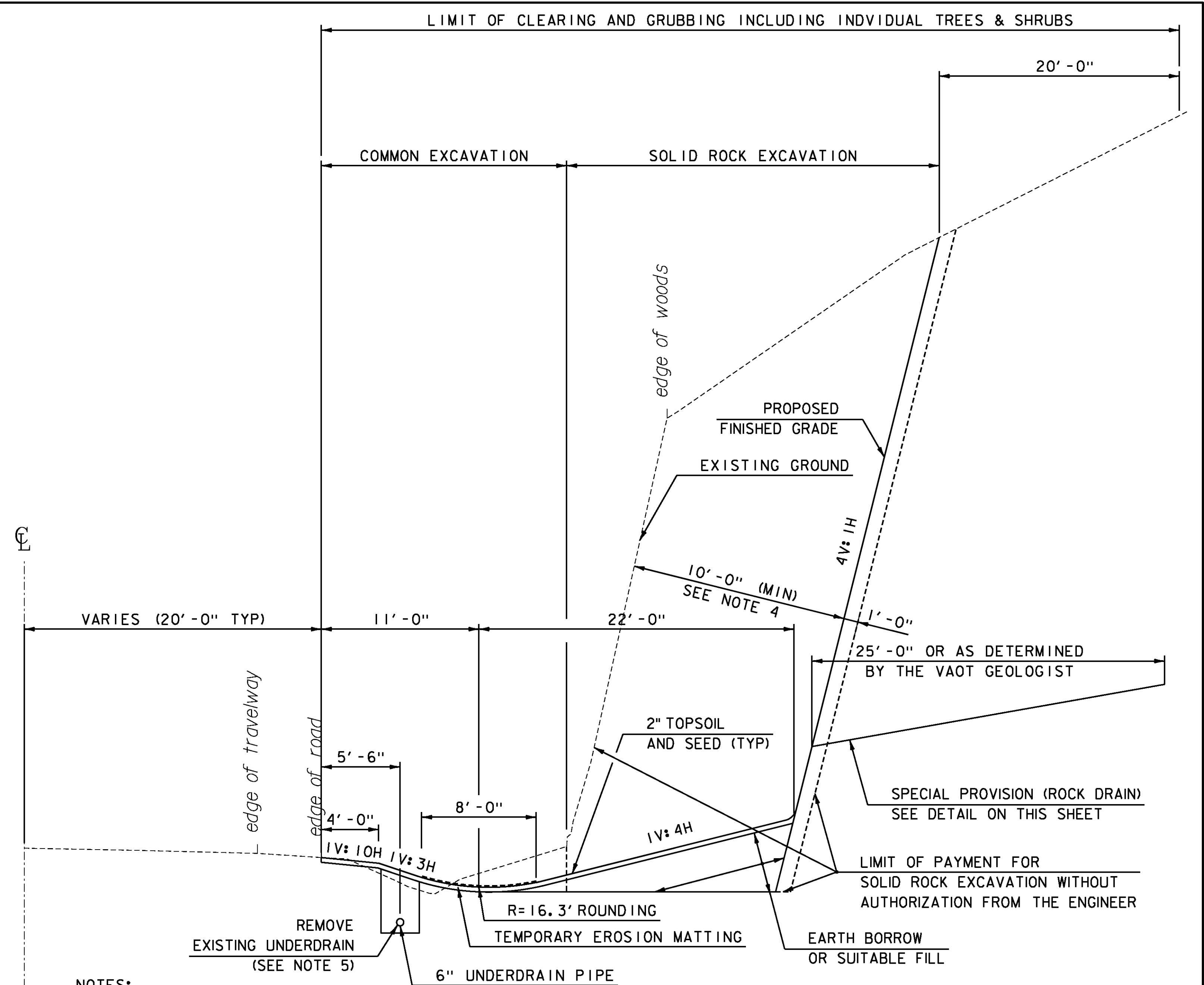
NOTE: ASSUME ONE ROCK DRAIN PER 25 LINEAL FEET OF ROCK FACE.

**SPECIAL PROVISION (ROCK DRAIN)**



**NEW PIPE CONNECTION TO EXISTING PIPE DETAIL**

STA. B 138+50.50 RT  
STA. B 141+51.20 RT



**NOTES:**

1. THE CONTRACTOR SHOULD USE CARE IN BLASTING SOLID ROCK, SO THAT NO OVERHANGING LEDGE WILL RESULT. ANY OVERHANGING LEDGE, OUTSIDE THE NEAT LINE, SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. ALL WORK FOR THE SATISFACTORY REMOVAL OF SOLID ROCK SHALL BE PAID UNDER ITEM 203.16.
2. TEST TRENCHES WILL BE EXCAVATED AS REQUIRED BY THE ENGINEER TO ASSURE REQUIRED RESULTS ARE BEING OBTAINED ACCORDING TO SECTION 206. TEST TRENCHES SHALL BE PAID UNDER ITEM 204.20 TRENCH EXCAVATION OF EARTH.
3. THE BOTTOM OF THE ROCK FACE SHALL BE CUT BACK TO A DISTANCE OF 33'-0" FROM THE EDGE OF PAVEMENT TO PROVIDE A CONSISTENT OFFSET FROM US ROUTE.
4. THE WIDTH OF SOLID ROCK EXCAVATION WILL VARY. SOLID ROCK EXCAVATION SHALL NOT BE LESS THAN 10'-0" FROM THE EXISTING ROCK FACE. SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION.
5. THE REMOVAL OF THE EXISTING UNDERDRAIN SHALL BE CONSIDERED INCIDENTAL TO ITEM 204.20 TRENCH EXCAVATION OF EARTH.

**ROCKFALL SITE TYPICAL SECTION**

STA. B 138+14.50 - B 143+08.50

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92+typ.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
RF SITE 038 TYPICAL SECTION SHEET	
PLOT DATE:	3/7/2016
DRAWN BY:	N.GOTTIER
CHECKED BY:	E. ATKINS
SHEET	129 OF 146

NOT TO SCALE

**CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS**  
 STA. B 138+14.5 RT - STA. B 143+08.5 RT

**SOLID ROCK EXCAVATION**  
 STA. B 138+14.5 RT - STA. B 143+08.5 RT

**SPECIAL PROVISION (ROCK DRAIN)**  
 STA. B 138+14.5 RT - STA. B 143+08.5 RT  
 AS DIRECTED BY THE ENGINEER

**EXISTING DRAINAGE**

1 STA. B 138+50.5 RT - STA. B 138+54.4 LT  
 EXISTING PIPE - RETAIN AND CUT AS REQUIRED TO ACCEPT NEW PIPE  
 REMOVE EXISTING DI

2 STA. B 141+53.2 RT - STA. B 141+50.4 LT  
 EXISTING PIPE - RETAIN AND CUT AS REQUIRED TO ACCEPT NEW PIPE  
 REMOVE EXISTING DI

**NEW DRAINAGE**

1 STA. B 138+50.5 RT - STA. B 138+50.8 RT  
 NEW 18" X 4' RCP  
 WITH DI @ STA. B 138+50.5 RT

2 STA. B 141+53.2 RT - STA. B 141+53.0 RT  
 NEW 18" X 4' RCP  
 WITH DI @ STA. B 141+53.2 RT

**6 INCH UNDERDRAIN PIPE**

1 STA. B 138+14.5 RT - STA. B 138+45.4 RT  
 NEW 6" X 31' UNDERDRAIN  
 CONNECT TO EXISTING

4 STA. B 138+56.0 RT - STA. B 141+47.5 RT  
 NEW 6" X 291' UNDERDRAIN  
 W/ FLUSHING BASIN AT B 140+26.5 RT

7 STA. B 141+58.4 RT - STA. B 143+08.5 RT  
 NEW 6" X 146' UNDERDRAIN  
 CONNECT TO EXISTING

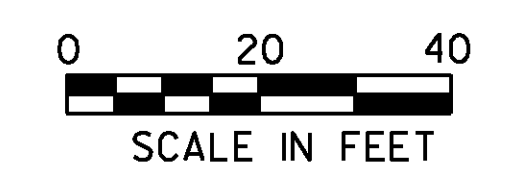
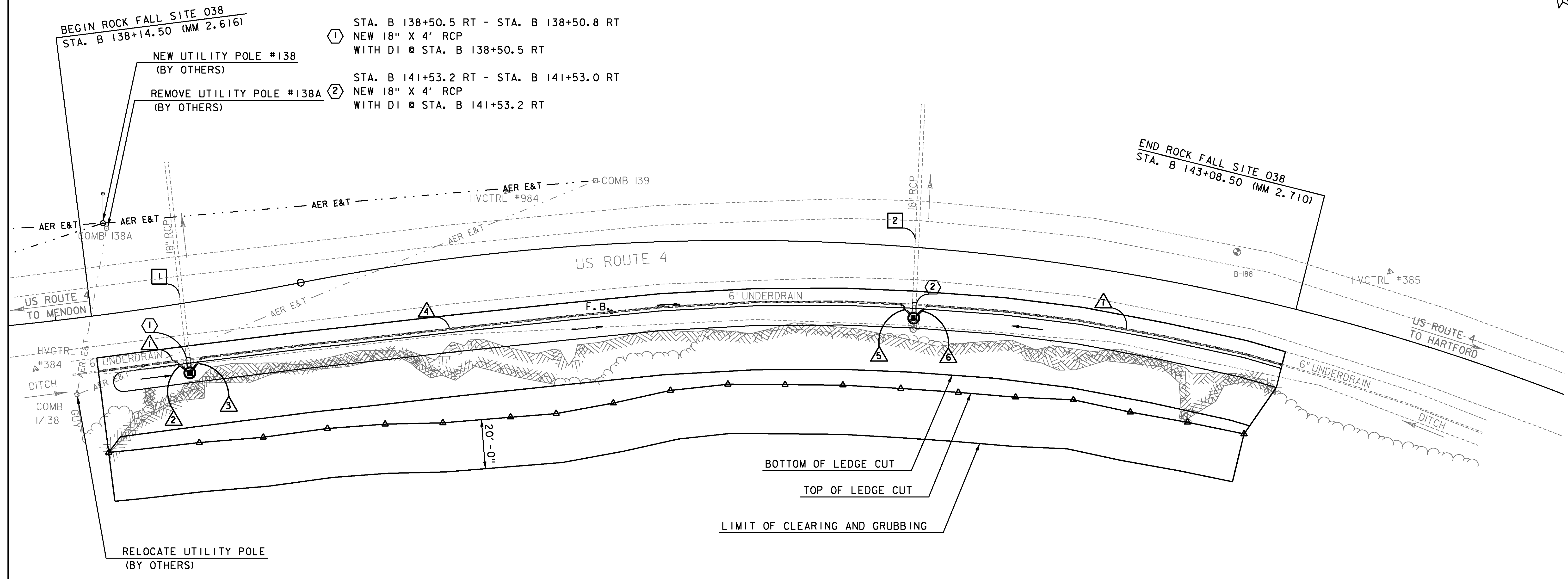
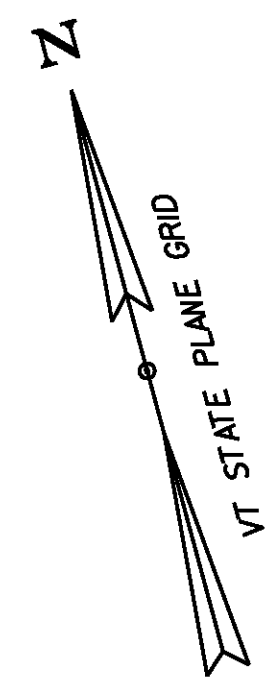
**6 INCH UNDERDRAIN PIPE CARRIER PIPE**

2 STA. B 138+45.4 RT - STA. B 138+49.1 RT  
 NEW 6" X 6' UNDERDRAIN CARRIER PIPE

3 STA. B 138+52.1 RT - STA. B 138+56.0 RT  
 NEW 6" X 6' UNDERDRAIN CARRIER PIPE

5 STA. B 141+47.5 RT - STA. B 141+51.6 RT  
 NEW 6" X 6' UNDERDRAIN CARRIER PIPE

6 STA. B 141+54.7 RT - STA. B 141+58.4 RT  
 NEW 6" X 6' UNDERDRAIN CARRIER PIPE



PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92bdr_RFO38.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCK FALL SITE 038 PLAN SHEET	
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS
SHEET	130 OF 146

NOTE: REFER TO SHEET 40 FOR ADDITIONAL US ROUTE 4 WORK AND PROPOSED UTILITY RELOCATION

## EPSC PLAN NARRATIVE

### 1.1 PROJECT DESCRIPTION

THIS PROJECT INVOLVES COLD PLANING AND RESURFACING 14.1 MILES OF US ROUTE 4 FROM MISSION FARM ROAD IN KILLINGTON TO 325-FEET WEST OF ROSE HILL IN WOODSTOCK. THIS PROJECT ALSO CONSISTS OF REMOVAL OF LEDGE AND THE RECONSTRUCTION OF A ROADSIDE SWALE AT ROCKFALL HAZARD SITE 038. THE LEDGE WILL BE CUT BACK A MINIMUM OF 10 FEET FROM THE EXISTING LEDGE FACE. ROCKFALL HAZARD SITE 038 IS LOCATED IN THE TOWN OF BRIDGEWATER, ON US ROUTE 4, APPROXIMATELY 325-FEET EAST OF PEARSON ROAD AND APPROXIMATELY 1300-FEET WEST OF RAYMOND HILL ROAD.

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 0.79 ACRES.

THE WORK ASSOCIATED WITH RESURFACING OF US ROUTE 4 IS CONSIDERED A MAINTENANCE ACTIVITY. THEREFORE, THE RESURFACING WORK HAS NOT BEEN INCORPORATED INTO THESE EPSC PLANS. ONLY WORK ASSOCIATED WITH ROCKFALL HAZARD SITE 038 IS INCLUDED IN THESE EPSC PLANS.

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

### 1.2 SITE INVENTORY

#### 1.2.1 TOPOGRAPHY

THE TOPOGRAPHY OF THE AREA IS ROCK CUT FACE APPROXIMATELY IS 45-FEET TALL AT ITS HIGHEST POINT. THE UPPER SLOPE IS TREE COVERED AND THE ROCK SLOPE FACE IS VEGETATED. US ROUTE 4 IS ADJACENT TO THE PROJECT SITE. THERE IS A RESIDENCE ON THE WESTERLY SIDE OF THE PROJECT. THE OTTAUQUECHEE RIVER IS APPROXIMATELY 80 FEET NORTH OF THE PROJECT SITE.

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

THE ONLY SOURCE OF WATER ONSITE IS FROM THE ROCK FACE. GROUNDWATER CAN BE OBSERVED FLOWING FROM THE ROCK FACE AT MOST TIMES. THERE IS A ROADSIDE SWALE ALONG THE SOUTHERLY SIDE OF US ROUTE 4. THERE ARE TWO DROP INLETS COLLECTING RUNOFF FROM THE ROADSIDE SWALE AND DISCHARGING IT TO THE OTTAUQUECHEE RIVER. THE PROJECT SITE RECEIVES RUNOFF WATER FROM US ROUTE 4 AND THE ROCK FACE.

#### 1.2.3 VEGETATION

THE VEGETATION IN THE PROJECT AREA CONSISTS OF TREES GROWING ON THE UPPER ROCK FACE. MOSS AND/OR ALGAE CAN ALSO BE SEEN ON THE ROCK FACE. ALL VEGETATION ON THE ROCK FACE AND TO A POINT 20-FEET FROM THE TOP OF THE NEW ROCK FACE WILL BE REMOVED. UPON PROJECT COMPLETION, THE GRASS SWALE WILL BE RE-ESTABLISHED. DISTURBED VEGETATION WILL BE REESTABLISHED WITH STANDARD SEED AND MULCH PRACTICES AND BIODEGRADABLE EROSION CONTROL MATTING WILL BE PLACED AS SHOWN ON THE PLANS.

#### 1.2.4 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF WINDSOR, VERMONT. SOILS ON THE PROJECT SITE ARE HITCHCOCK SILT LOAM, 15% TO 25% SLOPES, "K FACTOR" = 0.49, PODUNK FINE SANDY LOAM, 0% TO 3% SLOPES, "K FACTOR" = 0.24 AND BERKSHIRE-TUNBRIDGE COMPLEX, 35% TO 50% SLOPES, "K FACTOR" = NA. THE SOILS ARE CONSIDERED MODERATELY TO HIGHLY ERODIBLE DUE TO SIGNIFICANT SLOPES. HOWEVER, THE SCOPE OF THE PROPOSED WORK IS TO CUT BACK THE EXISTING LEDGE FACE, WHICH IS NOT ERODIBLE.

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: NO  
PRIME AGRICULTURAL LAND: NO  
THREATENED AND ENDANGERED SPECIES: NO  
WATER RESOURCE: OTTAUQUECHEE RIVER  
WETLANDS: NO

### 1.3 RISK EVALUATION

THIS PROJECT DOES NOT FALL UNDER THE JURISDICTION OF GENERAL PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES. SHOULD CHANGES PRIOR TO OR DURING CONSTRUCTION RESULT IN ONE OR MORE ACRES OF EARTH DISTURBANCE OR SHOULD THE PROJECT BECOME PART OF A LARGER PLAN OF DEVELOPMENT, 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.

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.

#### 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 CONTRACTORS 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. LOCATIONS SHOWN ON THE EPSC PLANS ARE PICTORIAL ONLY. ACTUAL LOCATIONS WILL BE APPROVED BY THE ENGINEER.

#### 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.

INLET PROTECTION DEVICE, TYPE I WILL BE INSTALLED AS PROPOSED ON THE EPSC PLANS

#### 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.

THIS EPSC MEASURE IS NOT ANTICIPATED TO BE NEEDED ON THIS PROJECT.

#### 1.4.6 SLOW DOWN CHANNELIZED RUNOFF

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

THIS EPSC MEASURE IS NOT ANTICIPATED TO BE NEEDED ON THIS PROJECT.

#### 1.4.7 CONSTRUCT PERMANENT CONTROLS

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

THIS EPSC MEASURE IS NOT ANTICIPATED TO BE NEEDED ON THIS PROJECT.

#### 1.4.8 STABILIZE EXPOSED SOILS DURING CONSTRUCTION

ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION IN PLACE WITHIN 48 HOURS OF DISTURBANCE.

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

DISCHARGE FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE CONSTRUCTION SITE MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE VERMONT WATER QUALITY STANDARDS.

TREATMENT OF DEWATERING COFFERDAM IS NOT ANTICIPATED.

#### 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

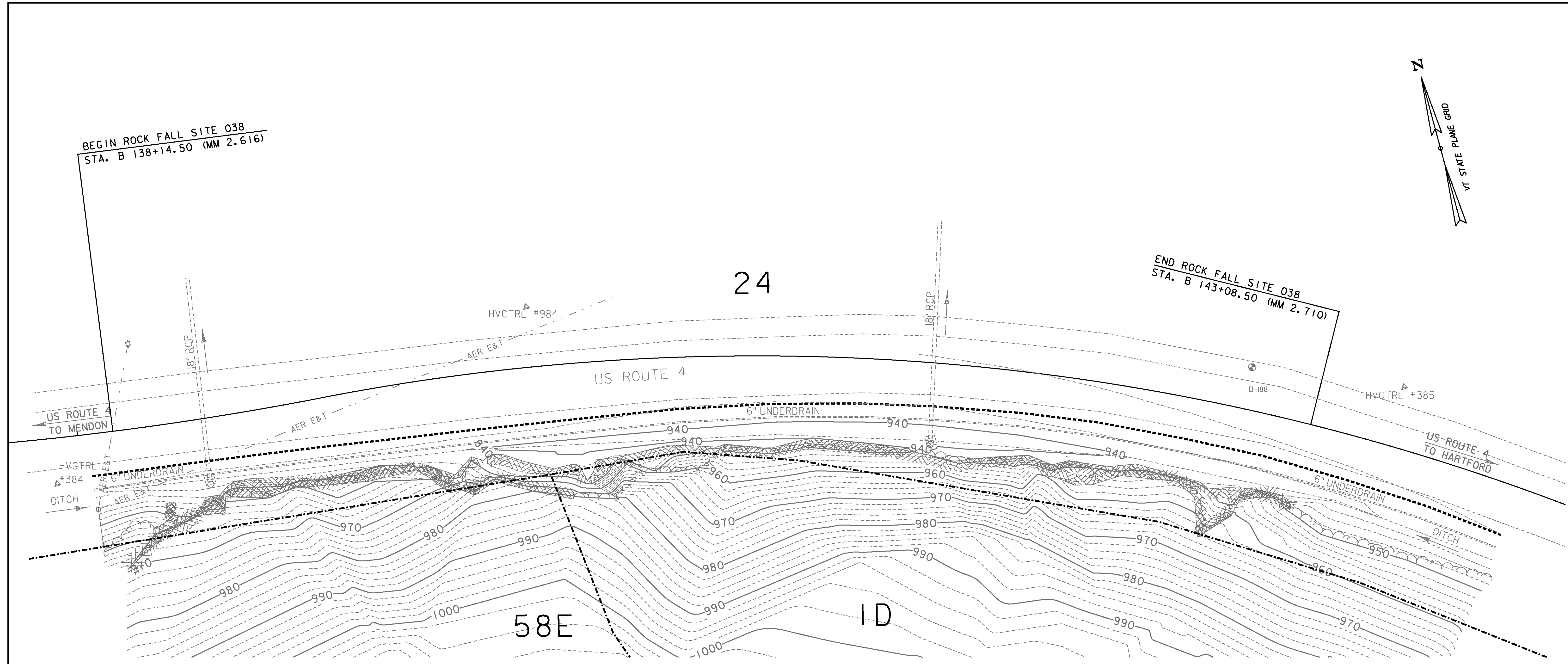
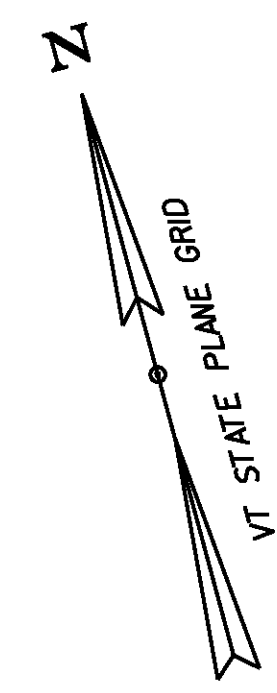
THIS SECTION WILL BE DEVELOPED BY THE CONTRACTOR USING THE GUIDANCE OUTLINED IN THE VTRANS EPSC PLAN CONTRACTOR CHECKLIST.

#### 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 SPECIFICATION 105.25- 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

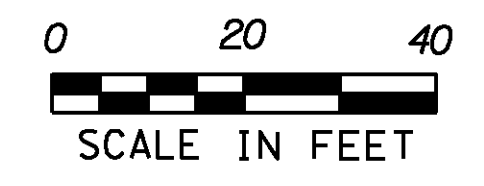
PROJECT NAME:	KILLINGTON-WOODSTOCK		
PROJECT NUMBER:	ER NH 020-2(38)		
FILE NAME:	z13bi92er onar_RFO38.dgn	PLOT DATE:	3/7/2016
PROJECT LEADER:	E. ATKINS	DRAWN BY:	T. BIGELOW
DESIGNED BY:	T. BIGELOW	CHECKED BY:	E. ATKINS
EPSC NARRATIVE SHEET I		SHEET	131 OF 146



**NOTES:**

1. SEE EPSC DETAIL SHEETS AND COVENTIONAL SYMBOLOGY LEGEND SHEET FOR LEGEND OF SYMBOLS AND CONSTRUCTION DETAILS.
2. SEE THE EPSC NARRATIVE FOR ADDITIONAL REQUIREMENTS.
3. ALL SEDIMENT AND EROSION PREVENTION CONTROL MEASURES SHALL BE COMPLETED AND IN PLACE BEFORE THE BEGINNING OF WORK.

<b>SOIL LEGEND</b>		
SOIL DESIGNATION	HYDROLOGIC SOIL GROUP CLASSIFICATION	SOIL ERODIBILITY COEFFICIENTS (K)
ID = HITCHCOCK SILT LOAM	C	0.49
24 = PODUNK FINE SANDY LOAM	B/D	0.24
58E = BERKSHIRE-TUNBRIDGE COMPLEX	C	NA



PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92eroexisting_RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
RF SITE 038 EX. CONDITIONS PLAN SHEET	
PLOT DATE:	3/7/2016
DRAWN BY:	N. GOTTIER
CHECKED BY:	E. ATKINS
SHEET	132 OF 146

SEED (RURAL AREA MIX)  
STA. B 138+14.50 RT - STA. B 143+08.50 RT

SEED, WINTER RYE  
STA. B 138+14.50 RT - STA. B 143+08.50 RT

HAY MULCH  
STA. B 138+14.50 RT - STA. B 143+08.50 RT

TOP SOIL  
STA. B 138+14.50 RT - STA. B 143+08.50 RT

VEHICLE TRACKING PAD  
STA. B 138+21.50 RT  
STA. B 143+04.50 RT

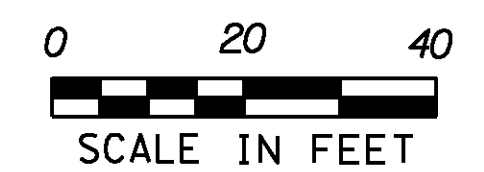
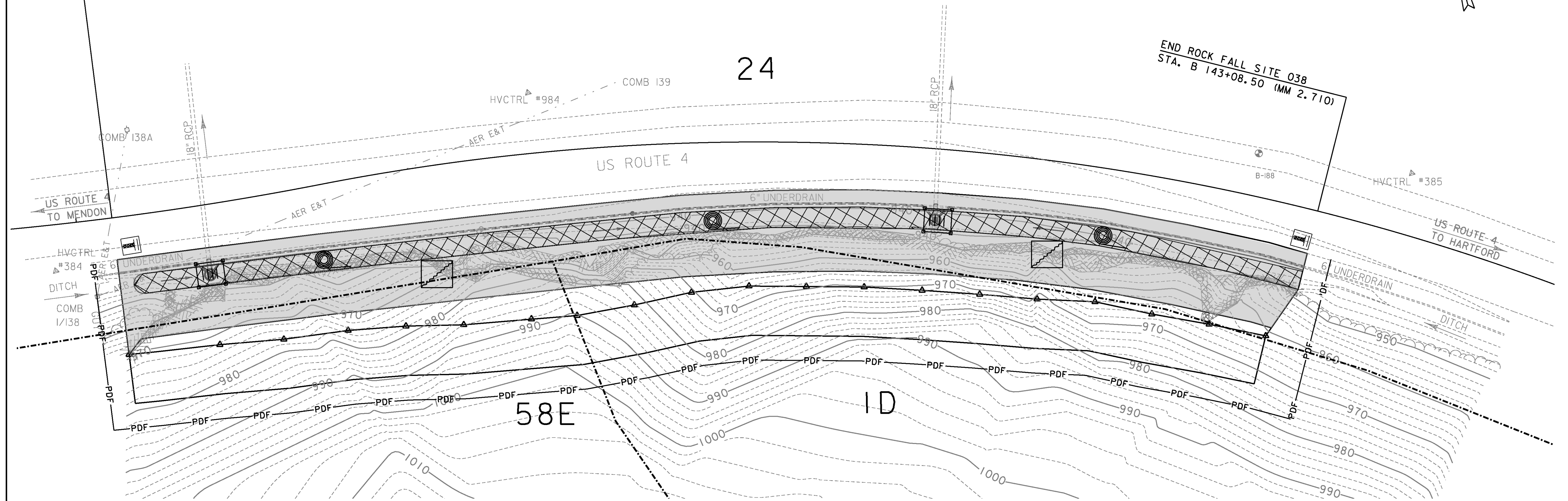
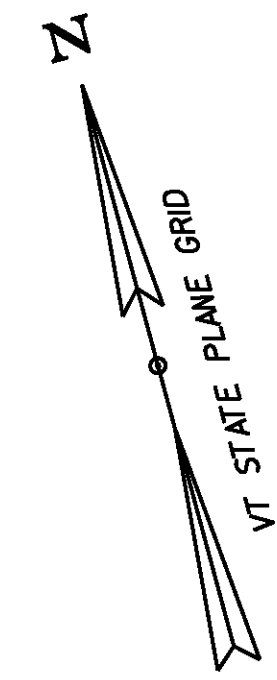
PROJECT DEMARCATION FENCE  
STA. B 138+04.50 RT - STA. B 143+18.50 RT

TEMPORARY EROSION MATTING  
STA. B 138+20.0 RT - STA. B 143+08.50 RT

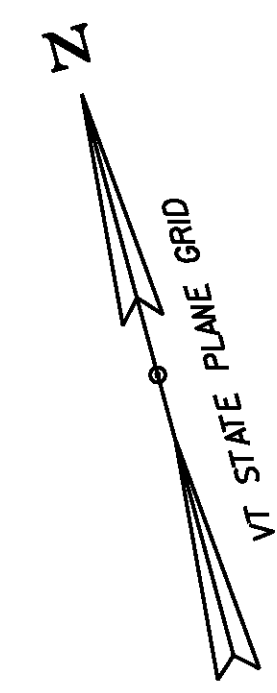
INLET PROTECTION DEVICE, TYPE I  
STA. B 138+50.0 RT  
STA. B 141+53.3 RT

BEGIN ROCK FALL SITE 038  
STA. B 138+14.50 (MM 2.616)

END ROCK FALL SITE 038  
STA. B 143+08.50 (MM 2.710)



PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92eroconsbdr_RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
RF SITE 038 EPSC CONSTR. PLAN SHEET	
PLOT DATE:	3/7/2016
DRAWN BY:	N. GOTTIER
CHECKED BY:	E. ATKINS
SHEET	133 OF 146



BEGIN ROCK FALL SITE 038  
STA. B 138+14.50 (MM 2.616)

END ROCK FALL SITE 038  
STA. B 143+08.50 (MM 2.710)

24

US ROUTE 4

US-ROUTE-4  
TO HARTFORD

US ROUTE 4  
TO MENDON

18" RCP

18" RCP

AER E&T

AER E&T

6" UNDERDRAIN

6" UNDERDRAIN

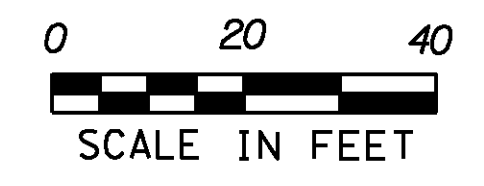
6" UNDERDRAIN

DITCH

DITCH

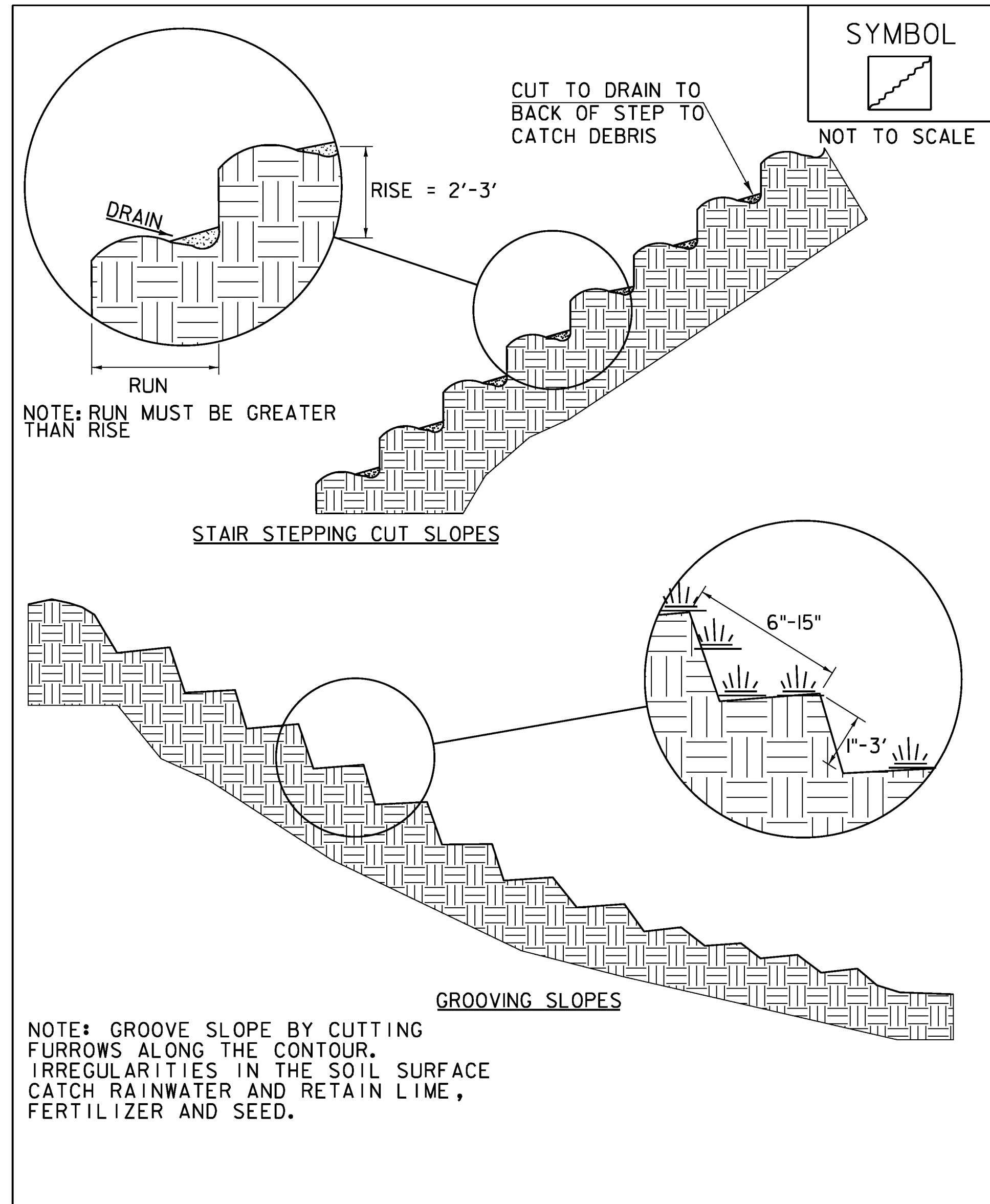
58E

ID



PROJECT NAME:	KILLINGTON-WOODSTOCK		
PROJECT NUMBER:	ER NH 020-2(38)		
FILE NAME:	z13bi92erof1nalbdr_RF038.dgn	PLOT DATE:	3/7/2016
PROJECT LEADER:	E. ATKINS	DRAWN BY:	N. GOTTIER
DESIGNED BY:	T. BIGELOW	CHECKED BY:	E. ATKINS
RF SITE 038 FINAL CONDITIONS PLAN SHEET	SHEET	134	OF 146

NOTE:  
SEE CROSS SECTIONS FOR PROPOSED GRADING.



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

VAOT LOW GROW/FINE FESCUE MIX						
WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
38%	57	95	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	90%	98%
29%	43.5	72.5	HARD FESCUE	FESTUCA LONGIFOLIA	85%	95%
15%	22.5	37.5	CHEWINGS FESCUE	FESTUCA RUBRA VAR. COMMUTATA	87%	95%
15%	22.5	37.5	ANNUAL RYEGRASS	LOLIUM MULTIFLORUM	90%	95%
3%	4.5	7.5	INERTS			
100%	150	250				

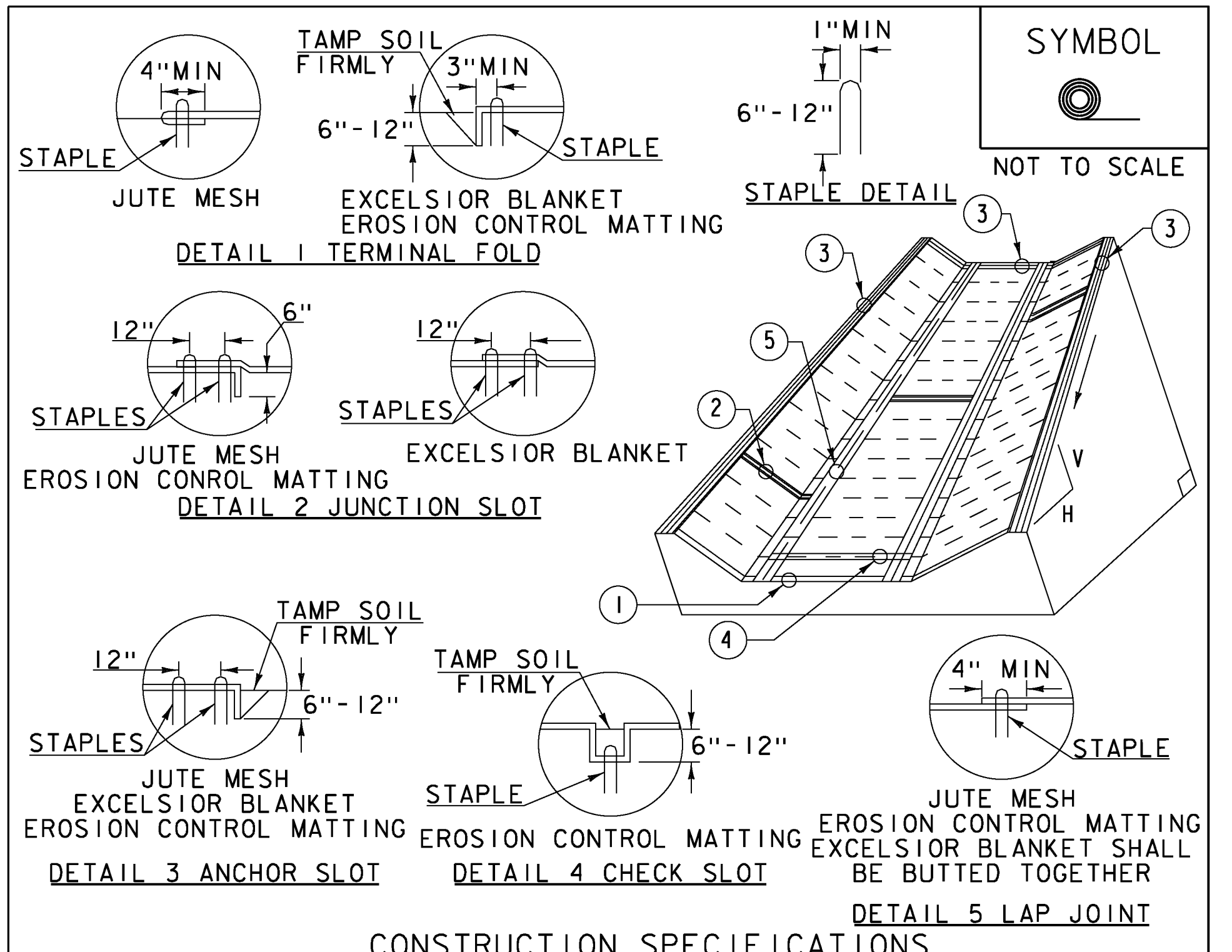
VAOT RURAL AREA MIX						
WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
37.5%	22.5	45	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	85%	98%
37.5%	22.5	45	TALL FESCUE	FESTUCA ARUNDINACEA	90%	95%
5.0%	3	6	RED TOP	AGROSTIS GIGANTEA	90%	95%
15.0%	9	18	WHITE FIELD CLOVER	TRIFOLIUM REPENS	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%
100%	60	120				

GENERAL AMENDMENT GUIDANCE		
FERTILIZER	LIME	
10/20/10	AG LIME	PELLITIZED
500 LBS/AC	2 TONS/AC	1 TONS/AC

**CONSTRUCTION GUIDANCE**

1. SEED MIX: THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER ON WHICH SEED MIX TO USE.
2. SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) 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. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED PROPOSED FOR USE WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED.
7. 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	
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.5)		REVISIONS	
		JANUARY 12, 2015	WHF



- 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' X 225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' 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.

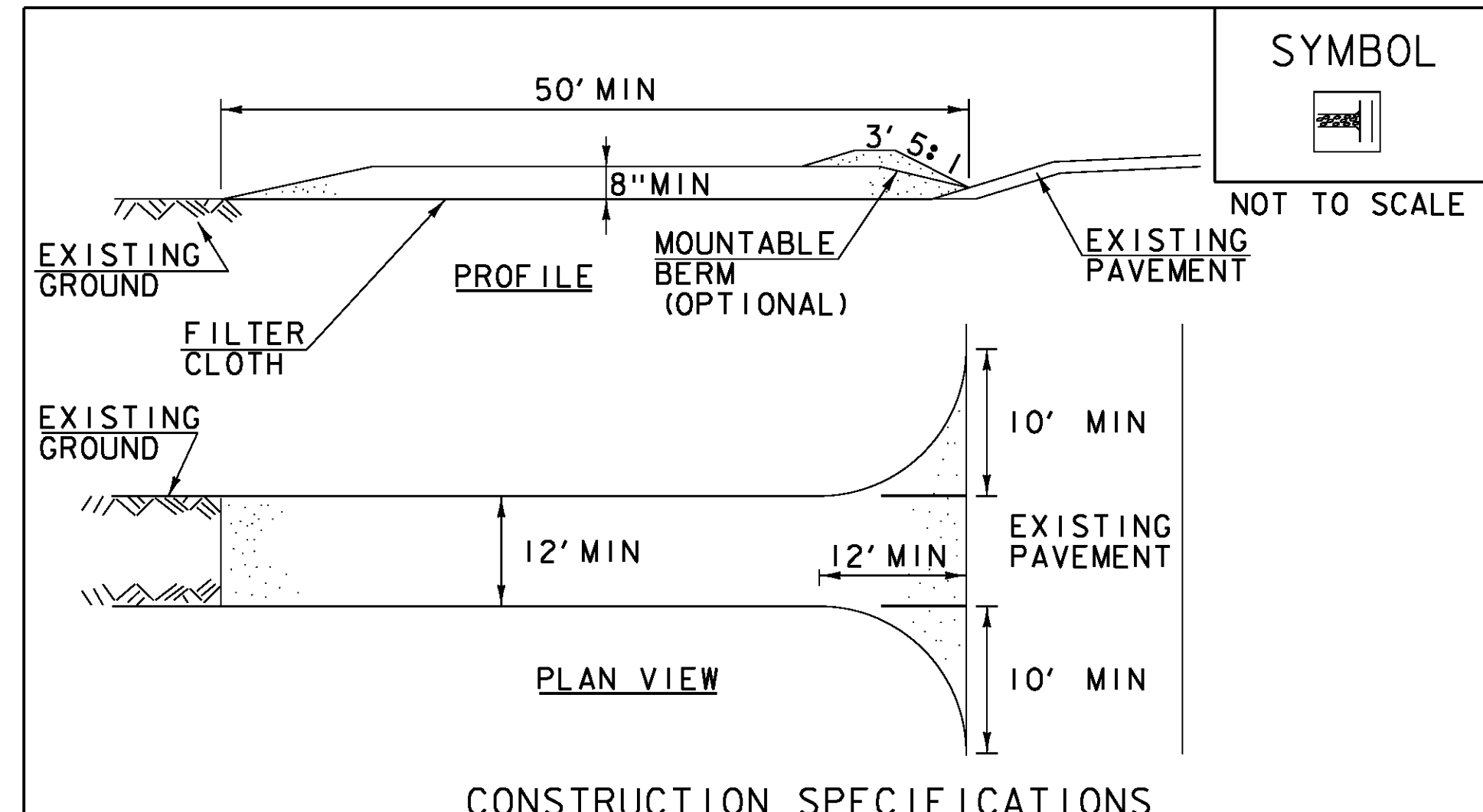
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
ORIGINALLY DEVELOPED BY USDA-NRCS  
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

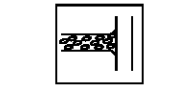
**ROLLED EROSION CONTROL PRODUCT (RECP) DITCH**

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

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME: z13bi92erodets_RF038.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: T. BIGELOW
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
ROCKFALL SITE 038 EPSC DETAIL SHEET 1	SHEET 135 OF 146



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.

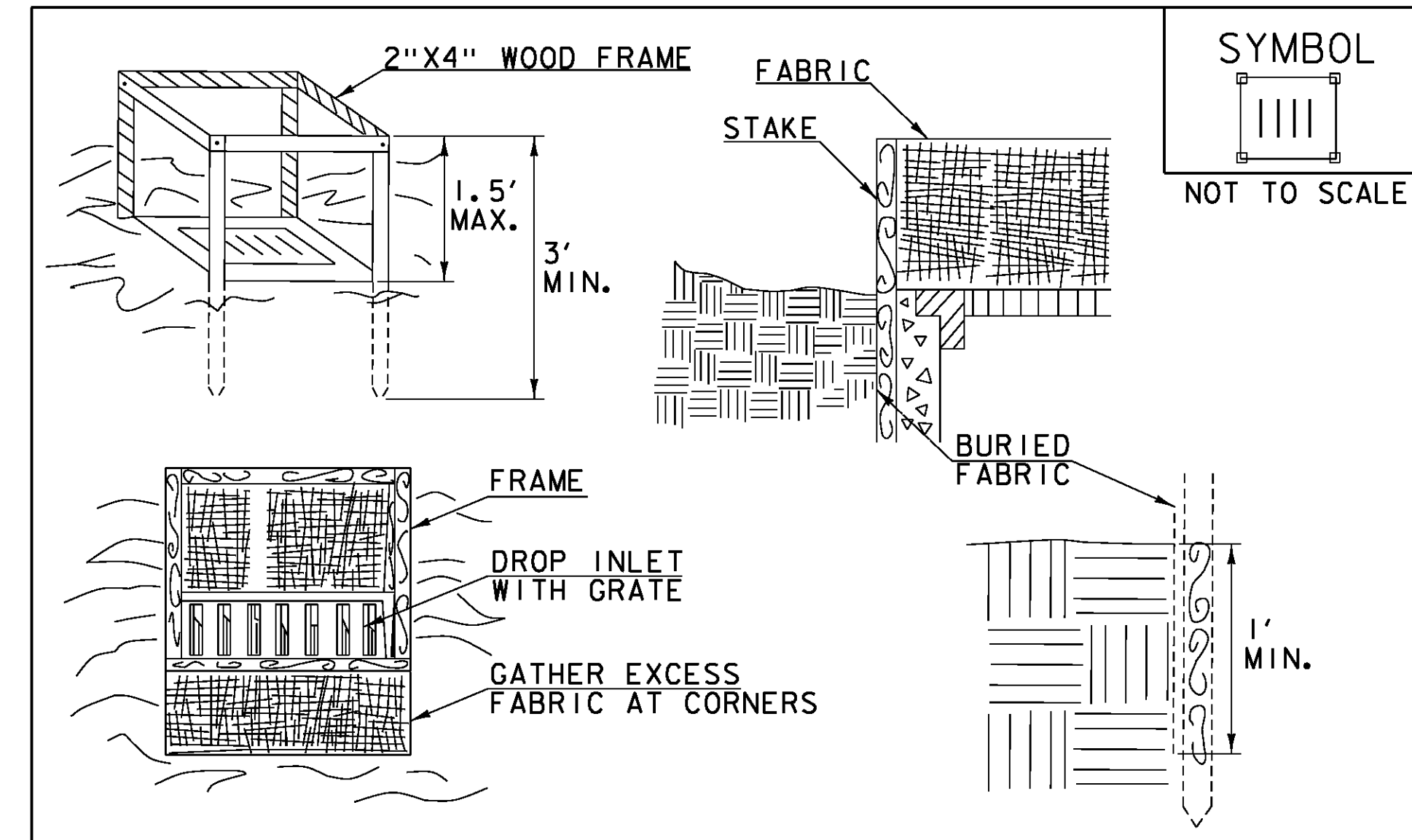
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
 ORIGINALLY DEVELOPED BY USDA-NRCS  
 VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

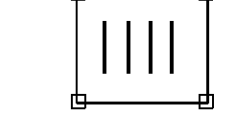
**STABILIZED  
 CONSTRUCTION  
 ENTRANCE**

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  
  
 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**

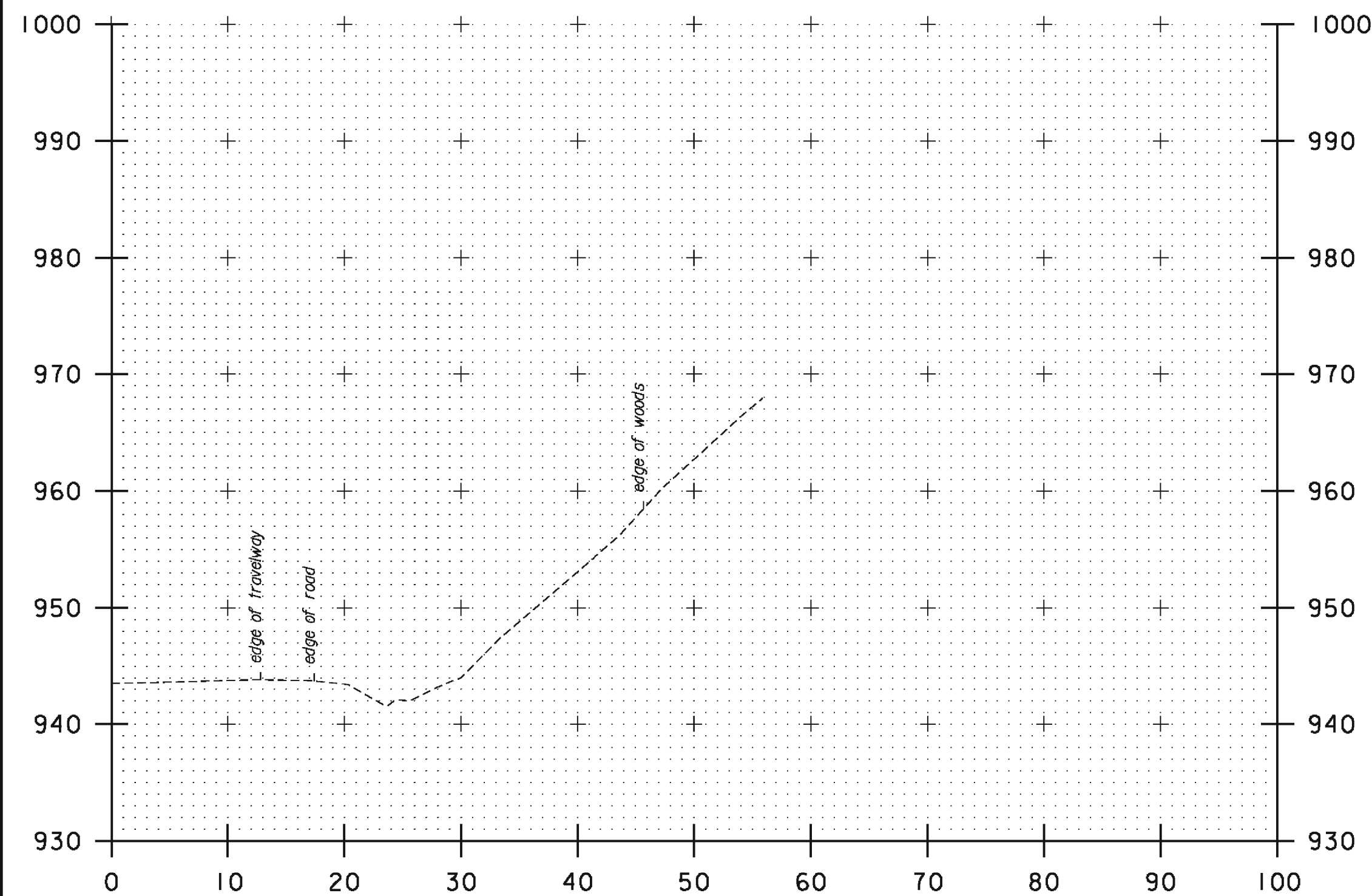
NOTES:  
 REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR  
 EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM  
 THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL  
 GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH  
 SECTION 653 FOR INLET PROTECTION DEVICE, TYPE 1(PAY  
 ITEM 653.40).

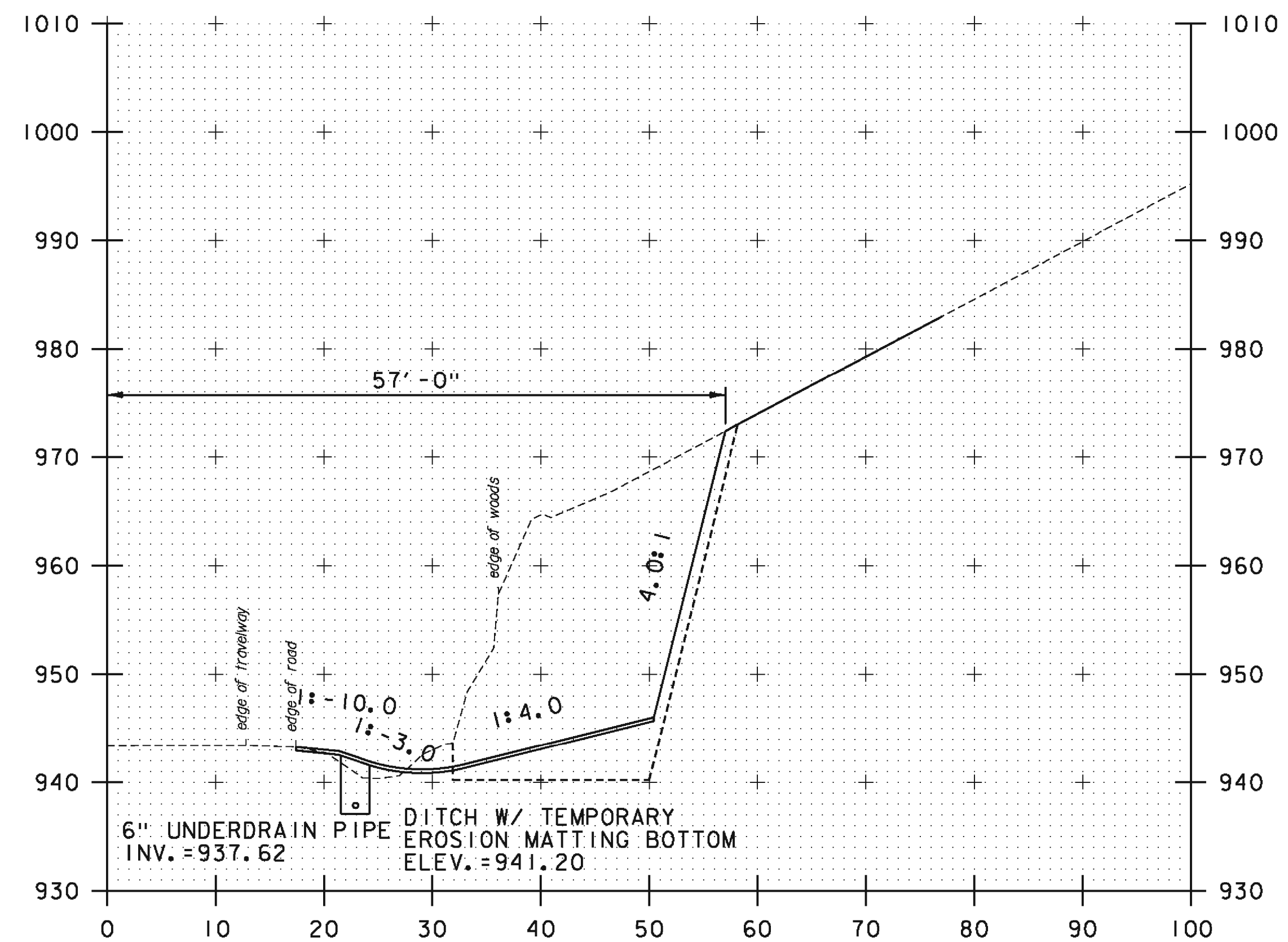
REVISIONS	
MARCH 7, 2008	WHF
JANUARY 13, 2009	WHF

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME: z13bi92erodets_RF038.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: T. BIGELOW
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
ROCKFALL SITE 038 EPSC DETAIL SHEET 2	SHEET 136 OF 146

REFERENCE CHANGE ORDER #2 FOR LEDGE CUT OFFSETS



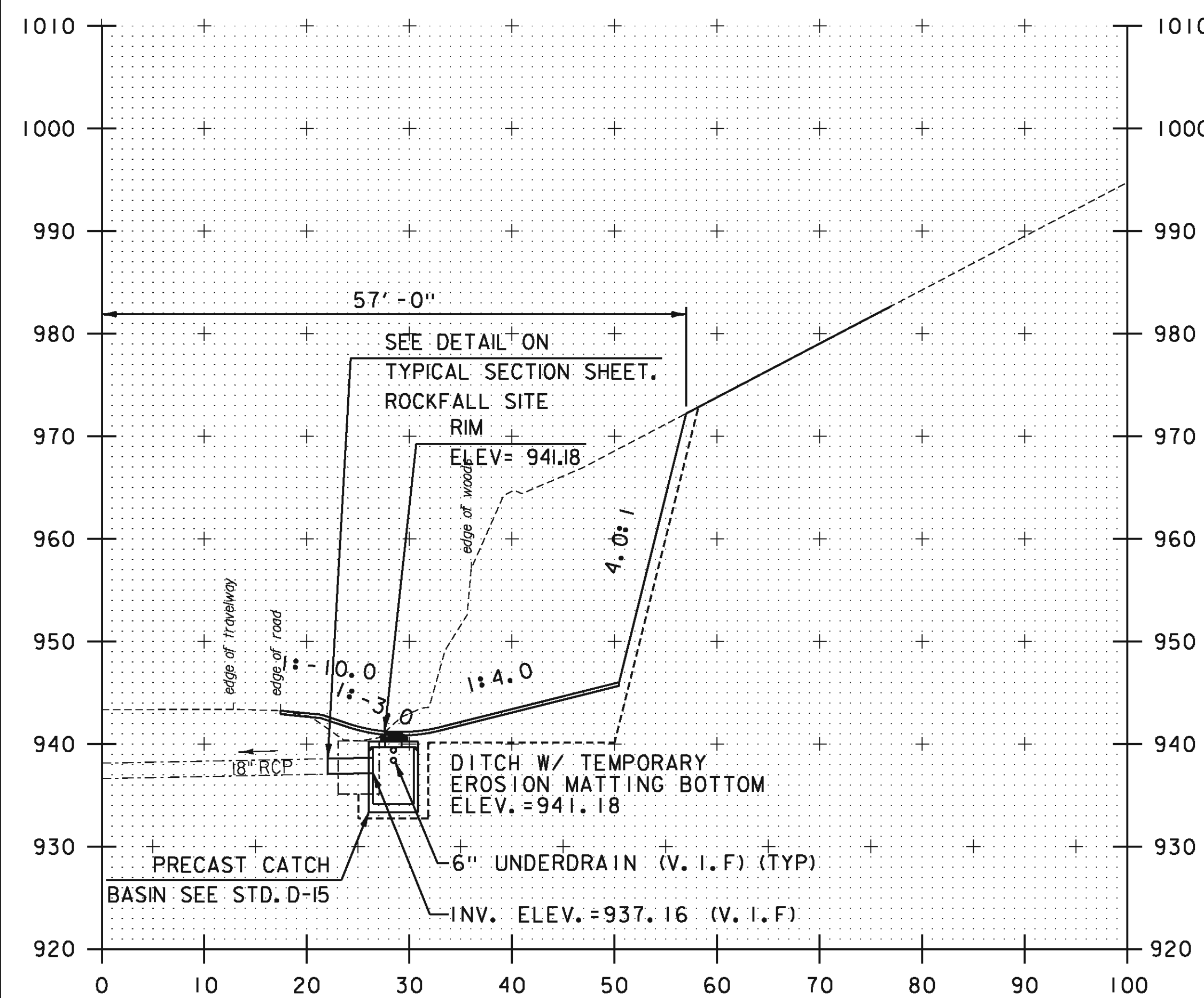
B 138+10



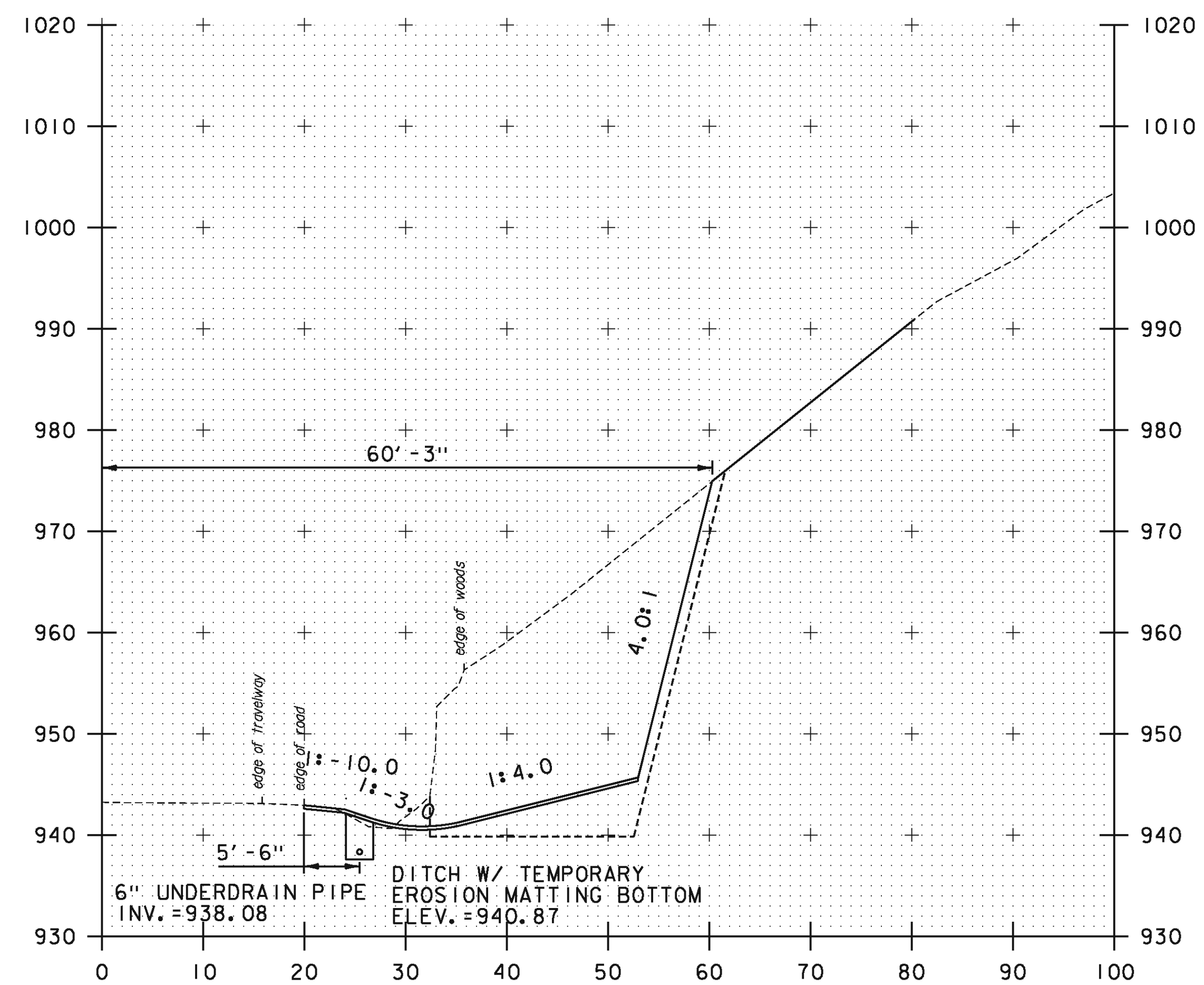
B 138+50  
B 138+14.50 BEGIN ROCKFALL SITE 038

STA. B 138+10 TO STA. B 138+50

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13b192xsl_RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCKFALL SITE 038 CROSS SECTION SHEET 1	SHEET 137 OF 146
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS



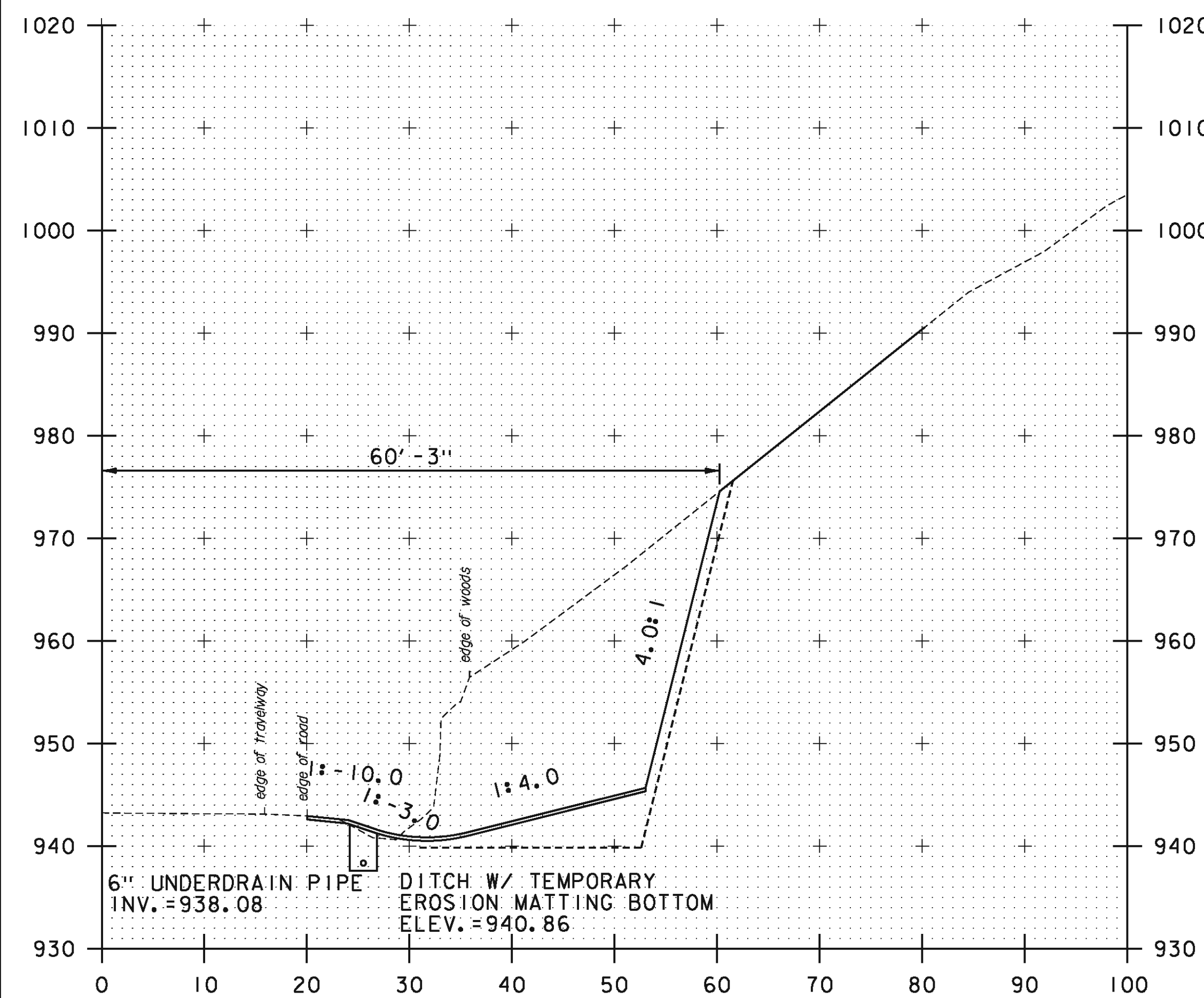
B 138+51.76  
SKEWED 85° 13' 6.73" RT



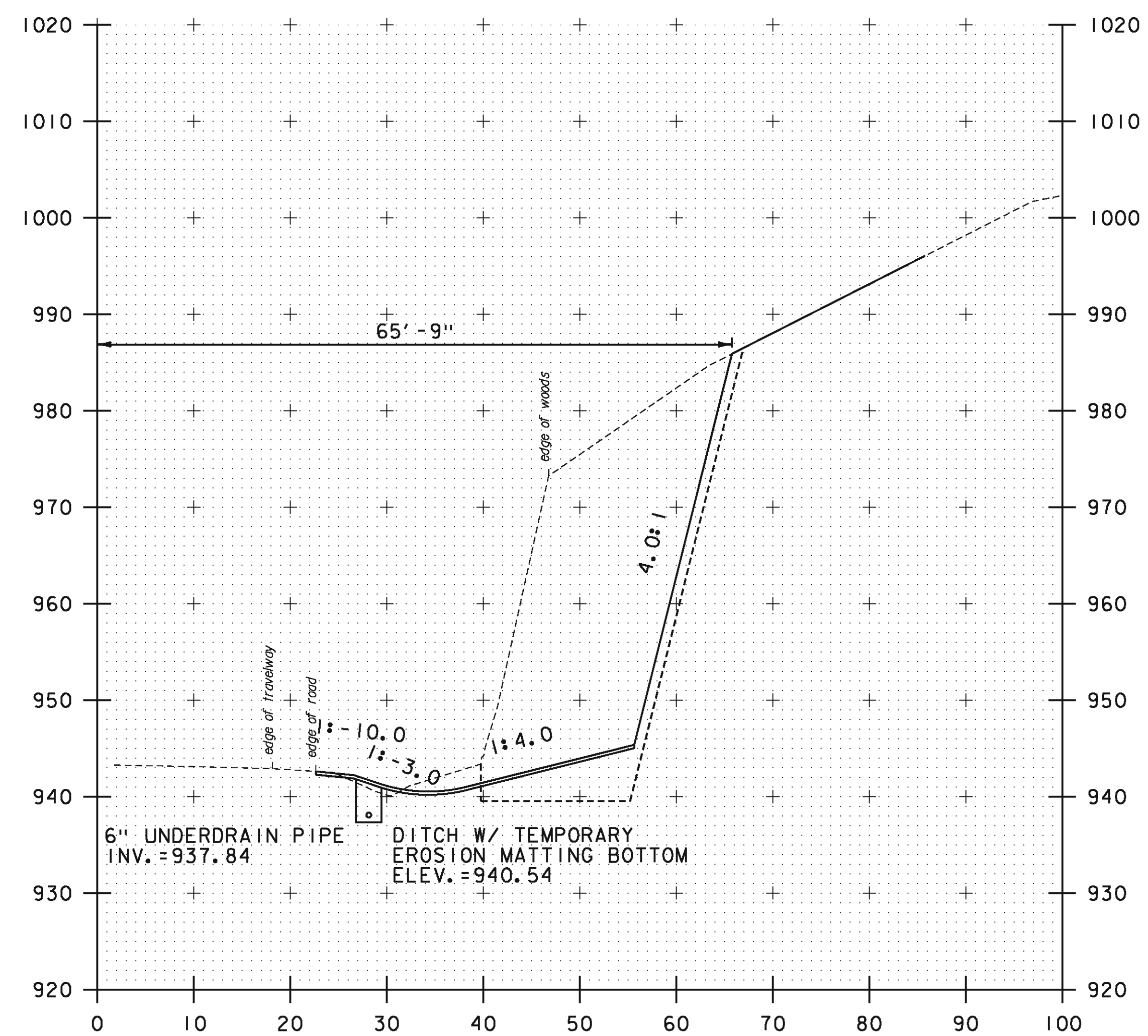
B 139+00

STA. B 138+51.76 TO STA. B 139+00

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92xsl.RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCKFALL SITE 038 CROSS SECTION SHEET 2 SHEET	138 OF 146
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS



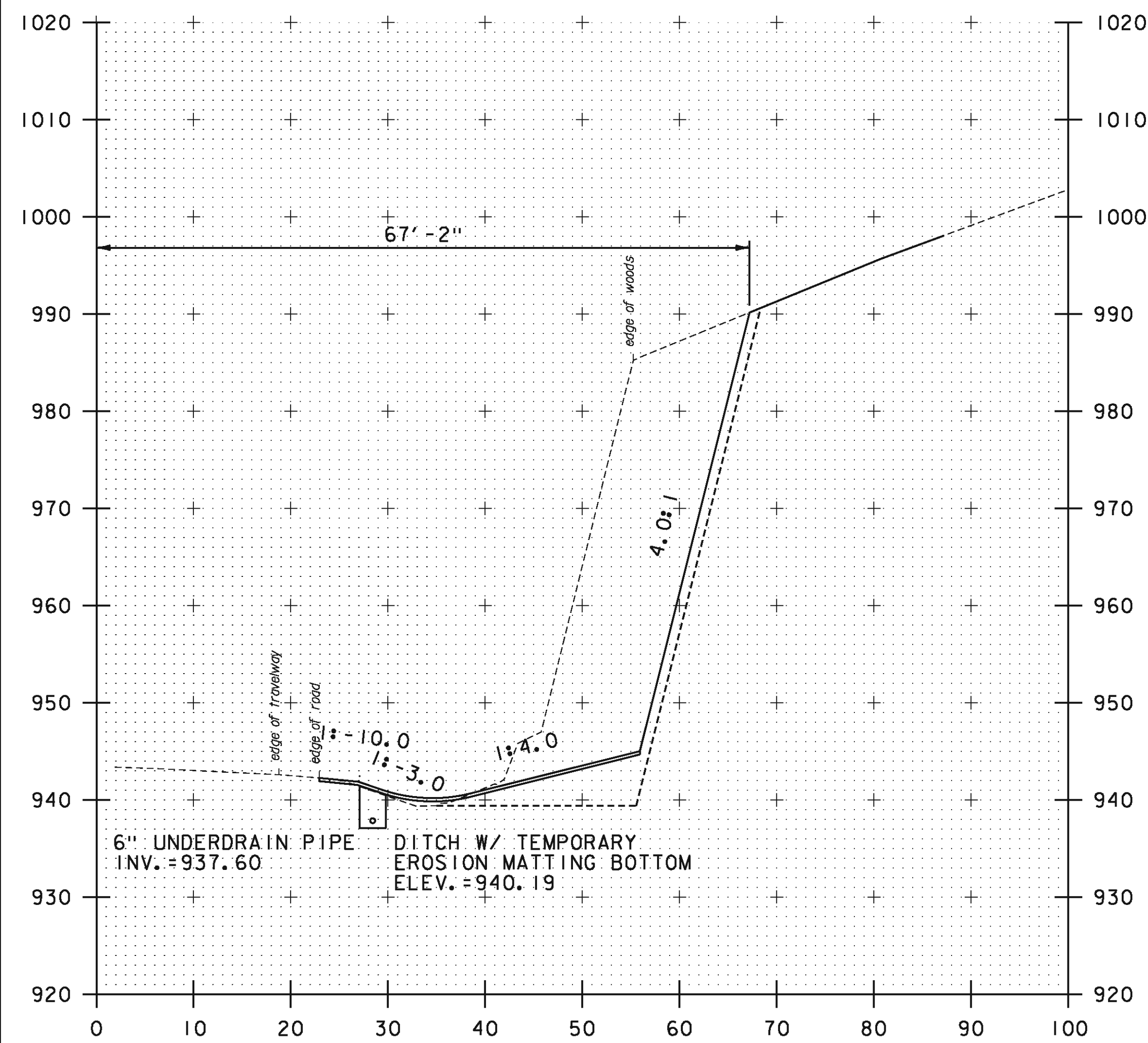
B 139+00.70 PC



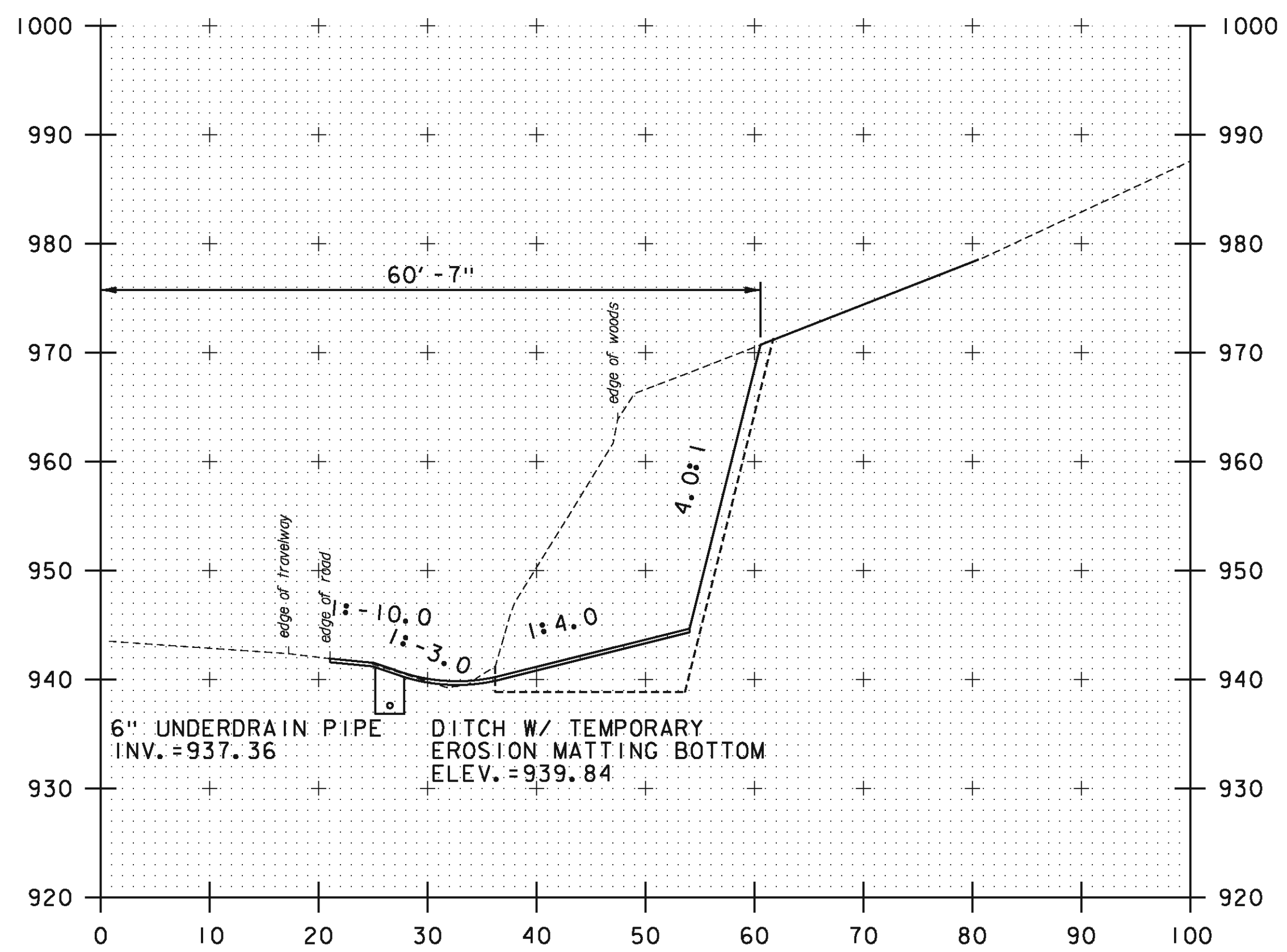
B 139+50

STA. B 139+00.70 TO STA. B 139+50

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92xsl_RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCKFALL SITE 038	CROSS SECTION SHEET 3 SHEET 139 OF 146
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS



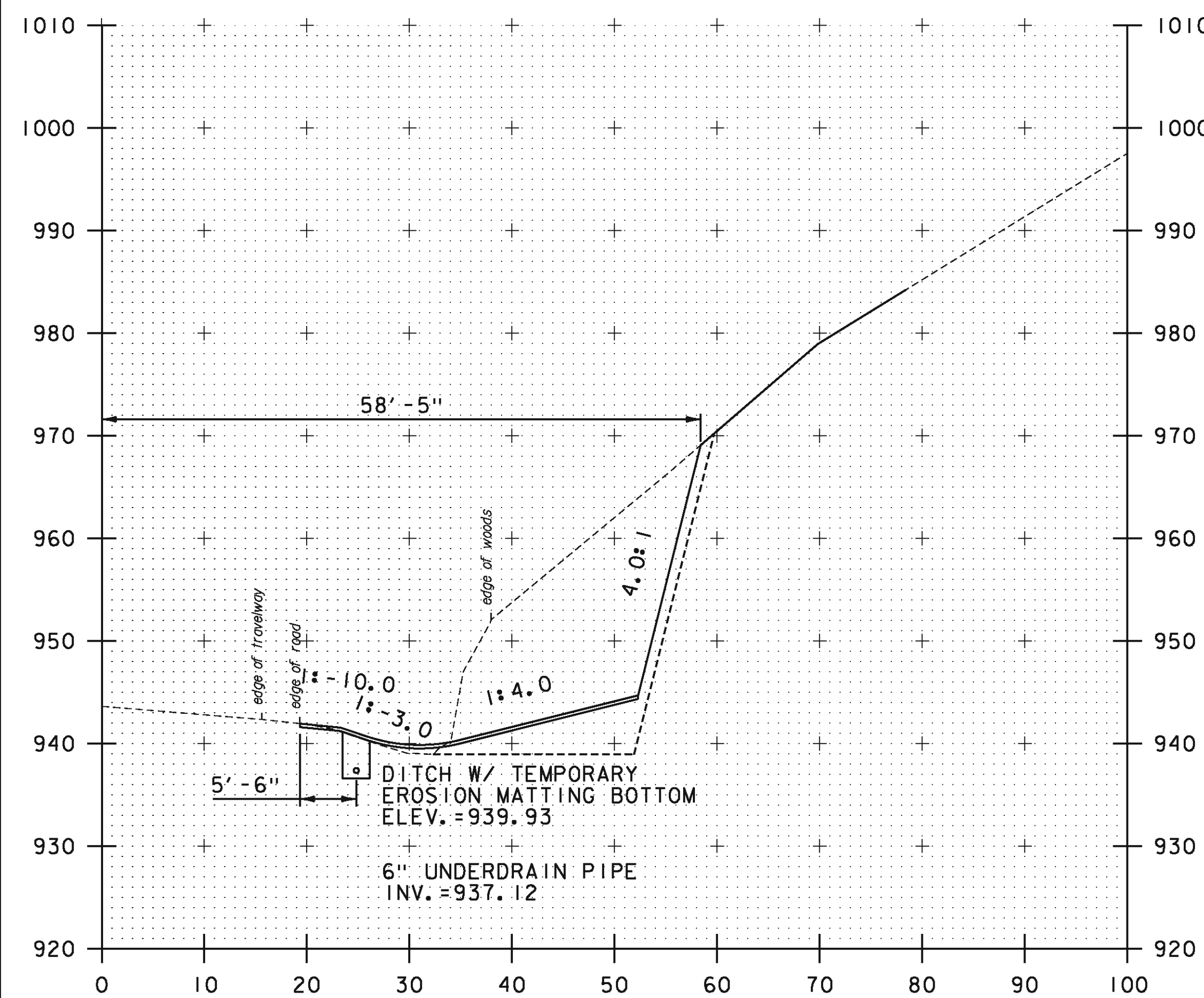
B 140+00



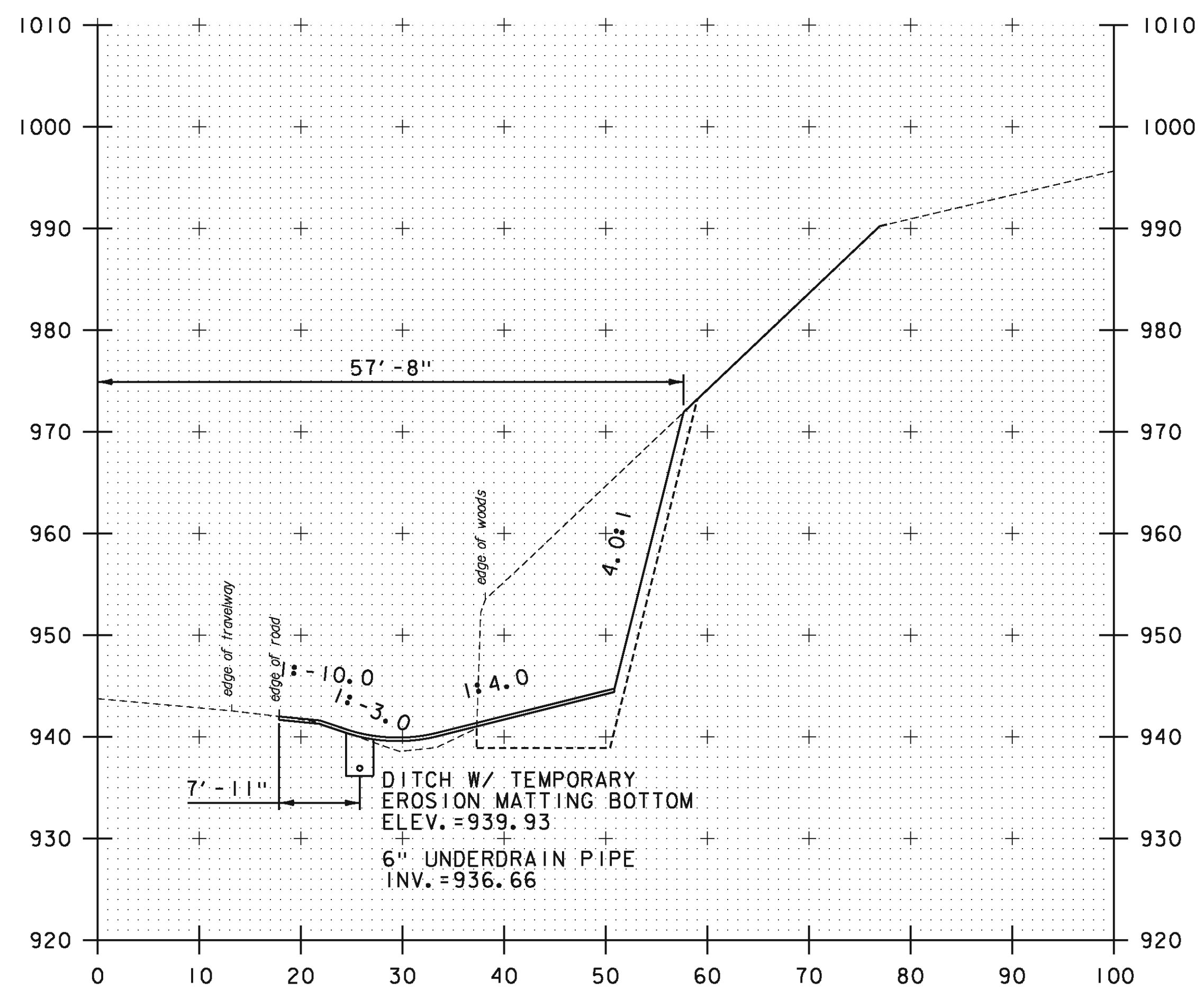
B 140+50

STA. B 140+00 TO STA. B 140+50

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92xsl.RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCKFALL SITE 038 CROSS SECTION SHEET 4 SHEET 140 OF 146	
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS



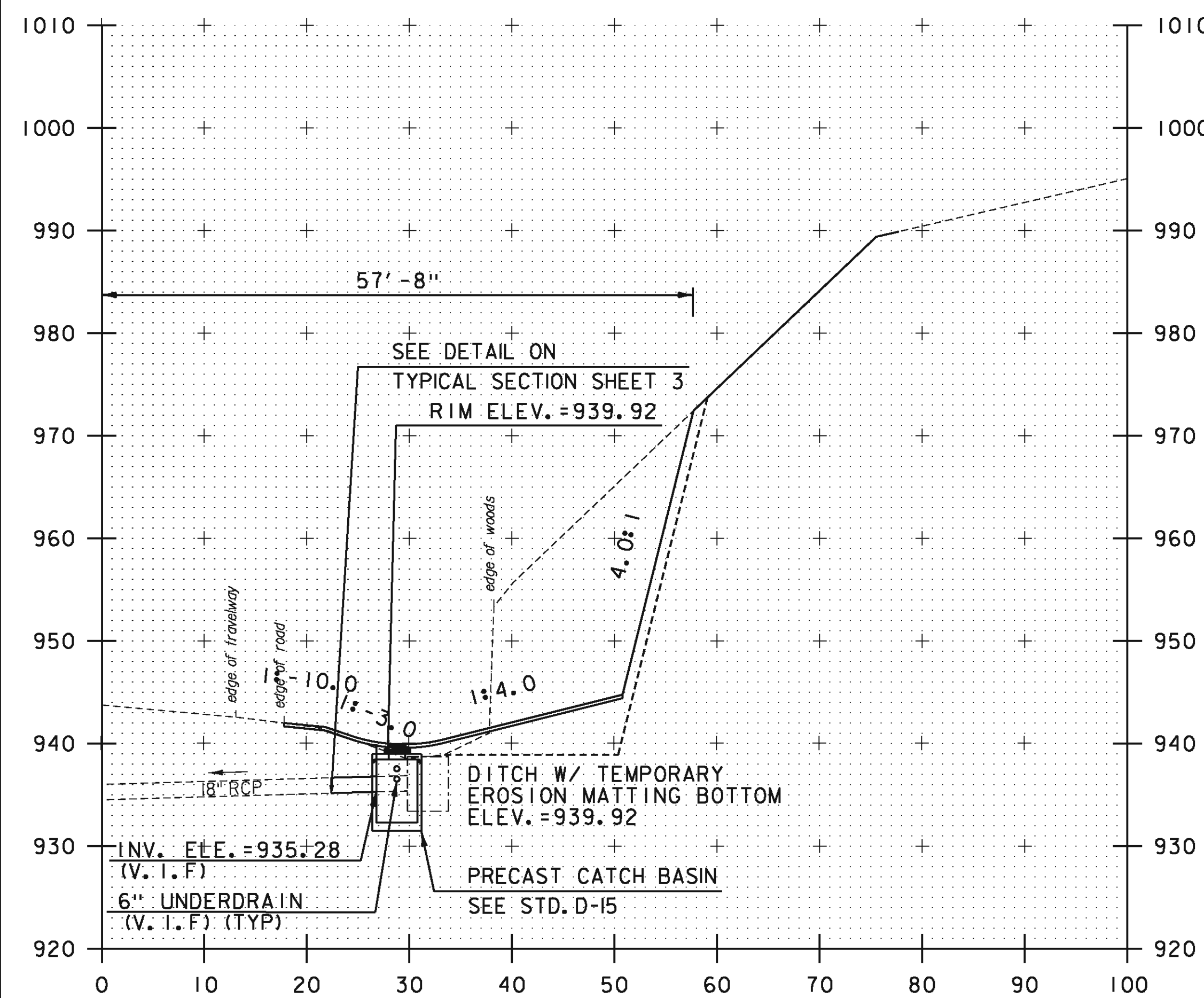
B 141+00



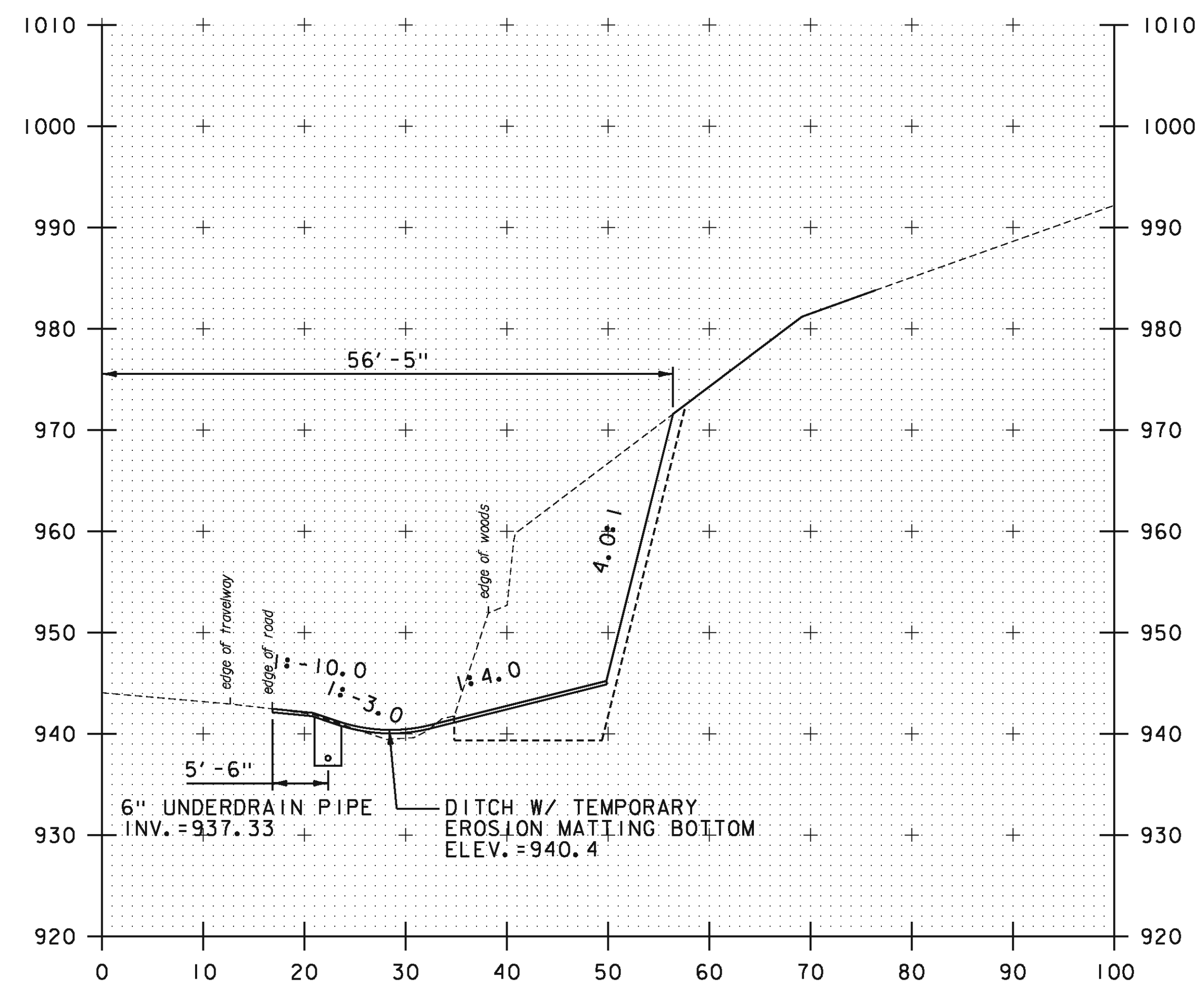
B 141+50

STA. B 141+00 TO STA. B 141+50

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92xsl.RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCKFALL SITE 038 CROSS SECTION SHEET 5 SHEET	141 OF 146
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS



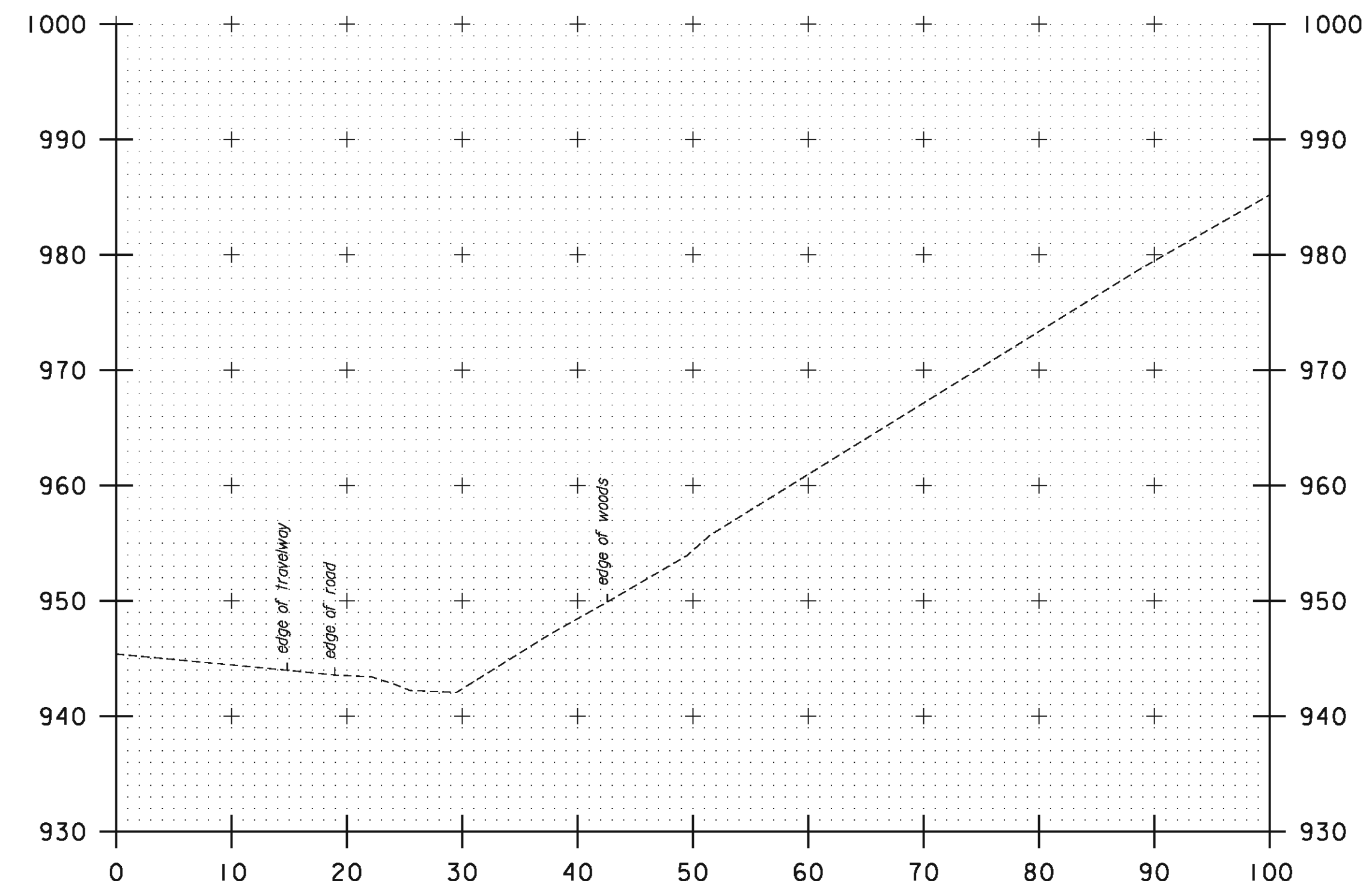
B 141+52.23  
 SKEWED 1° 57'.00 RT



B 142+00

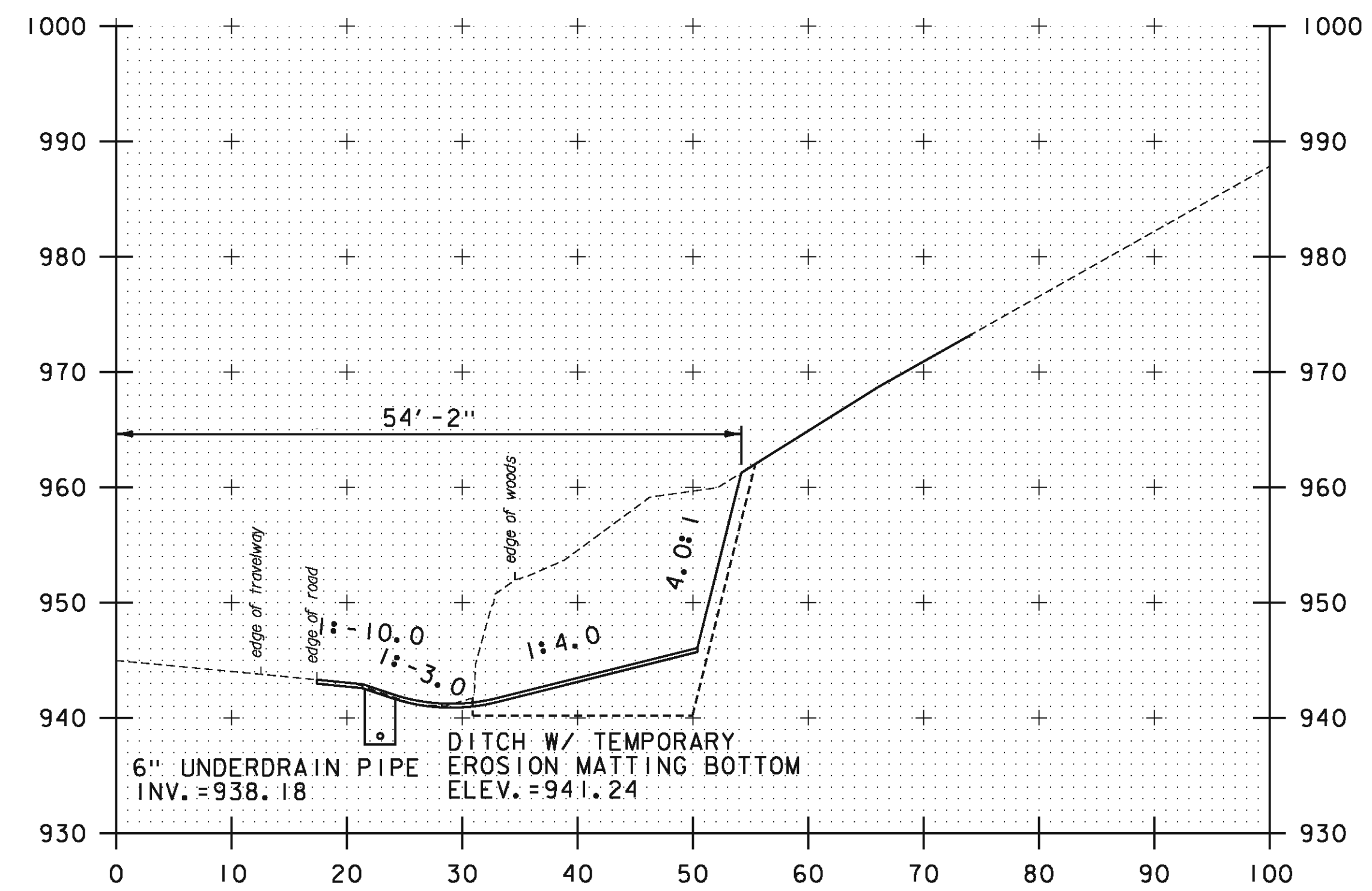
STA. B 141+52.23 TO STA. B 142+00

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92xsl.RF038.dgn
PROJECT LEADER:	E. ATKINS
DESIGNED BY:	T. BIGELOW
ROCKFALL SITE 038	CROSS SECTION SHEET 6 SHEET 142 OF 146
PLOT DATE:	3/7/2016
DRAWN BY:	T. BIGELOW
CHECKED BY:	E. ATKINS

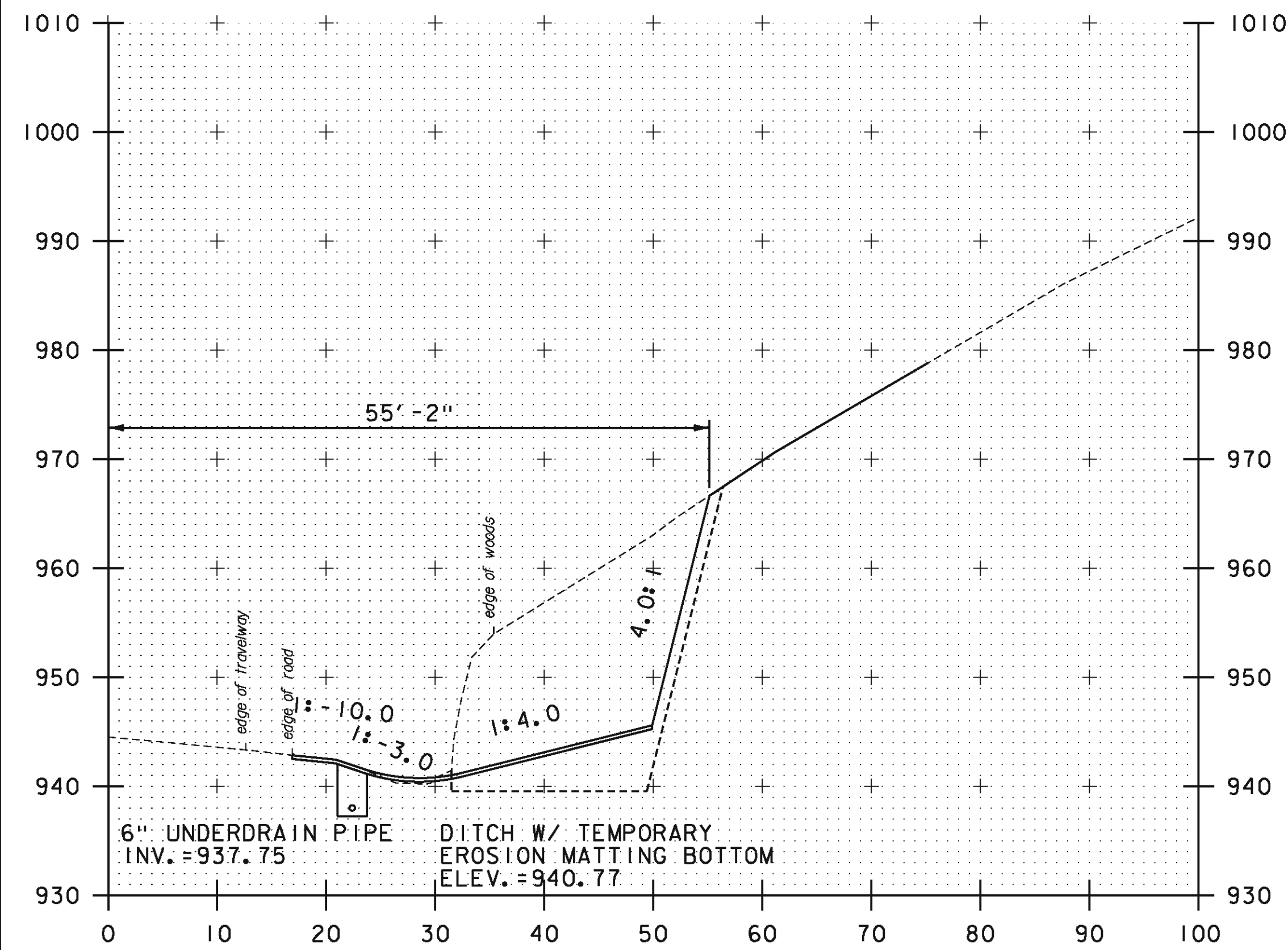


B 143+50

B 143+08.50 END ROCKFALL SITE 038



B 143+00



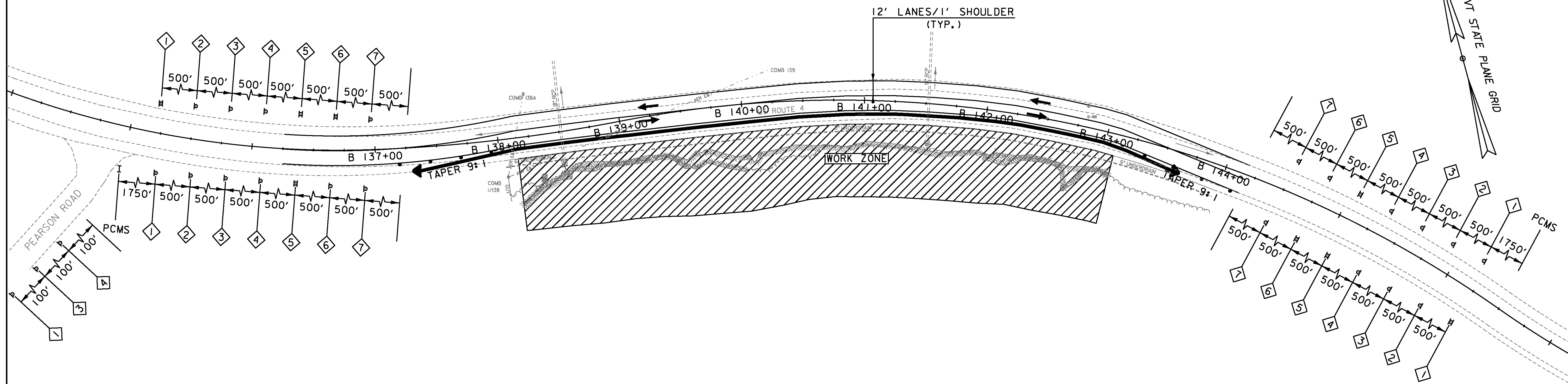
B 142+50

STA. B 142+50 TO STA. B 143+50

PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME:	z13bi92xsl.RF038.dgn
PLOT DATE:	3/7/2016
PROJECT LEADER:	E. ATKINS
DRAWN BY:	T. BIGELOW
DESIGNED BY:	T. BIGELOW
CHECKED BY:	E. ATKINS
ROCKFALL SITE 038 CROSS SECTION SHEET 7 SHEET 143 OF 146	

TEMPORARY TRAFFIC BARRIER  
STA. B 137+09 RT - STA. B 144+18 RT

ENERGY ABSORPTION ATTENUATOR  
STA. B 137+29 RT  
STA. B 143+66 RT



**ROCKFALL SITE 038 TRAFFIC MAINTENANCE NOTES:**

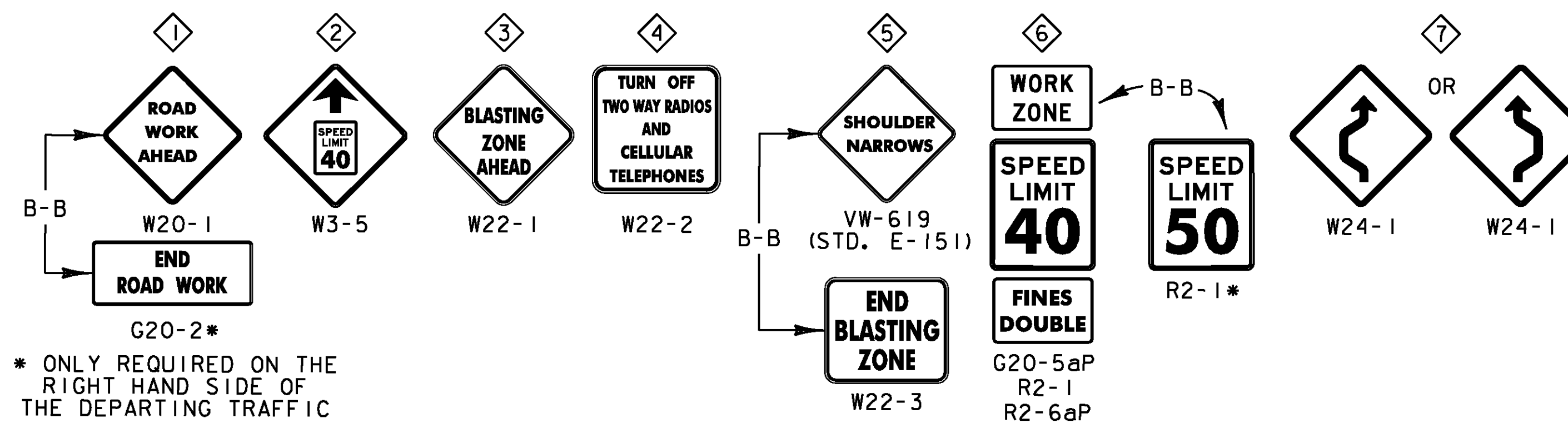
- 1) THIS PLAN PROVIDES ONE SUGGESTED WAY TO MANAGE TRAFFIC FOR THE WORK AT ROCKFALL HAZARD SITE 038 ONLY. THE CONTRACTOR SHALL COORDINATE THEIR TRAFFIC CONTROL PLAN FOR ROCKFALL HAZARD SITE 038 WITH THEIR TRAFFIC CONTROL PLAN FOR THE ENTIRE PROJECT.
- 2) THE LAYOUT OF ALL BARRIER, STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH A 40 MPH DESIGN SPEED.
- 3) W22-1, W22-2 AND W22-3 SIGNS SHALL BE COVERED OR REMOVED WHEN THERE ARE NO EXPLOSIVES IN THE AREA OR THE AREA IS OTHERWISE SECURE.
- 4) THE CONTRACTOR SHALL COORDINATE ALL BLASTING ACTIVITIES WITH ALL STATE AND LOCAL OFFICIALS. THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY RESPONSE AGENCIES FIVE BUSINESS DAYS PRIOR TO BLASTING ACTIVITIES.
- 5) THE PCMS MESSAGE SHALL BE CHANGED TO USE THE "PCMS MESSAGE PRIOR TO BLASTING OPERATIONS" AT LEAST FIVE BUSINESS DAYS PRIOR TO BLASTING.
- 6) THE PCMS MESSAGE SHALL BE CHANGED TO USE THE "PCMS MESSAGE DURING BLASTING OPERATIONS" AT LEAST ONE HOUR PRIOR TO BLASTING.
- 7) US ROUTE 4 SHALL BE CLOSED TO TRAFFIC 5 MINUTES PRIOR TO BLASTING. MOTOR VEHICLES SHALL BE STOPPED AT A DISTANCE NO LESS THAN 1000-FEET FROM THE BLASTING SITE. US ROUTE 4 SHALL BE RE OPENED TO TRAFFIC ONLY AFTER ANY DEBRIS IS CLEARED FROM THE TRAVEL LANES AND THE ENGINEER HAS DETERMINED IT IS SAFE TO DO SO. ALL DWELLINGS ON PEARSON ROAD ARE WITHIN 1000-FEET OF THE BLASTING SITE. ALL RESIDENTS ON PEARSON ROAD SHALL BE NOTIFIED OF THE BLASTING SCHEDULE AND PEARSON ROAD SHALL BE CLOSED TO TRAFFIC, SIMILAR TO US ROUTE 4.
- 8) REFER TO SHEET 145 FOR ADDITIONAL TRAFFIC CONTROL NOTES AND REQUIREMENTS.
- 9) THE CONTRACTOR SHALL ONLY BLAST BETWEEN THE HOURS OF 10:00AM AND 2:00PM.

**TYPICAL PCMS MESSAGE DISPLAY**

ROAD WORK 1 MILE	THE CONTRACTOR SHALL CHANGE THIS MESSAGE AS WORK ZONE CONDITIONS CHANGE.
REDUCE SPEED	THE CONTRACTOR SHALL UPDATE THE MESSAGE EVERY 2 WEEKS (MIN).

**LEGEND**

- ◊ CONSTRUCTION SIGN ASSEMBLY I.D.
- TEMPORARY TRAFFIC BARRIER
- REFLECTORIZED PLASTIC DRUM SIGN
- H BACK TO BACK SIGN, SINGLE POST
- ← FLOW OF TRAFFIC
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ◄ PROVIDE ENERGY ABSORPTION ATTENUATOR OR TERMINATE BARRIER OUTSIDE OF CLEAR ZONE



* ONLY REQUIRED ON THE RIGHT HAND SIDE OF THE DEPARTING TRAFFIC

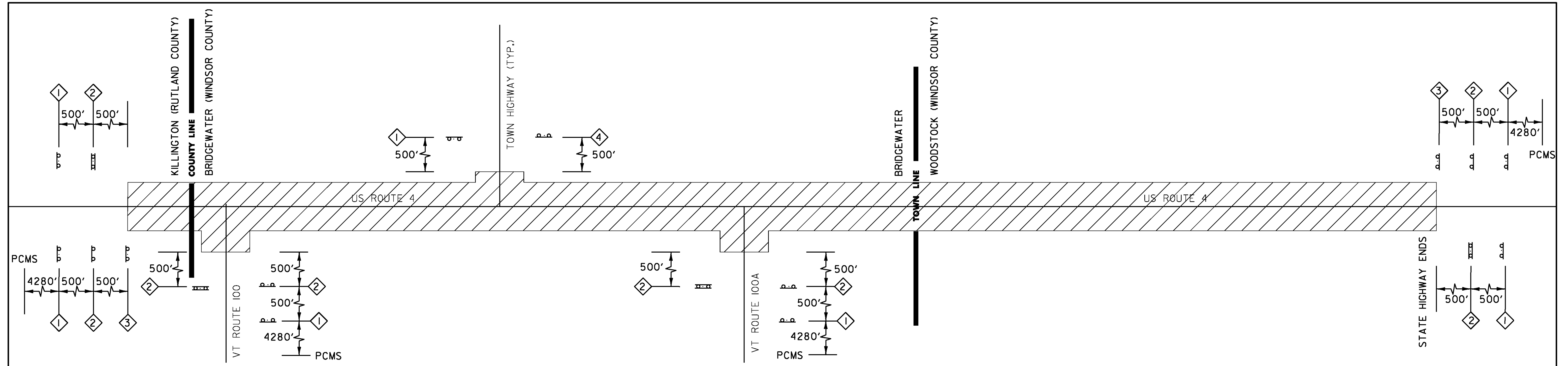
**PCMS MESSAGE PRIOR TO BLASTING OPERATIONS DISPLAY**

BLASTING MM/DD TO MM/DD
EXPECT DELAYS 10AM-2PM

**PCMS MESSAGE DURING BLASTING OPERATIONS DISPLAY**

BLASTING TODAY 10AM-2PM
BE PREPARED TO STOP

PROJECT NAME: KILLINGTON-WOODSTOCK	PLOT DATE: 3/7/2016
PROJECT NUMBER: ER NH 020-2(38)	DRAWN BY: T. BIGELOW
FILE NAME: z13bi92+mpbdr_RF038.dgn	CHECKED BY: E. ATKINS
PROJECT LEADER: E. ATKINS	DESIGNED BY: T. BIGELOW
RF SITE 038 TRAFFIC CONTROL SHEET	SHEET 144 OF 146



## CONSTRUCTION APPROACH SIGNING SHEET

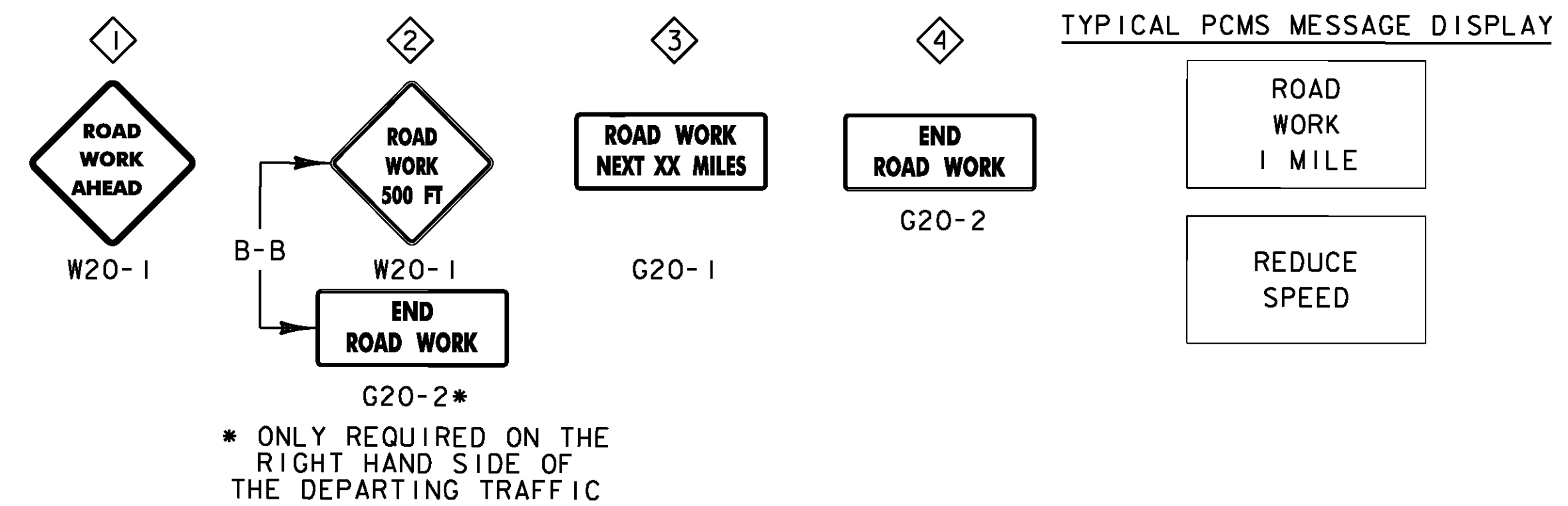
### LEGEND

- CONSTRUCTION SIGN ASSEMBLY I.D.
- SIGN
- BACK TO BACK SIGN, SINGLE POST
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

### LIST OF TOWN/STATE HIGHWAYS FOR CONSTRUCTION SIGNS

TOWN/STATE HIGHWAY NAME	1	2	3	4	PCMS
BEGIN PROJECT US ROUTE 4	2	2	1		1
MISSION FARM ROAD (TH 38)	1			1	
JOHNSON ROAD (TH 39)	2			2	
WARROADWELL ROAD (TH 17)	1			1	
HADLEY ROAD (TH 111)	1			1	
VERMONT ROUTE. 100	1	2			1
STANDISH ROAD (TH 41)	1			1	
MOUNTAINSIDE ROAD (TH 34)	2			2	
BRIDGEWATER HILL ROAD (TH 23)	1			1	
PEARSON ROAD (TH 68)	1			1	
ROGERS ROAD (TH 32)	1			1	
BRIDGEWATER CENTER ROAD (TH 11)	1			1	
VERMONT RTE. 100A	1	2			1
UPPER ROAD (TH 37)	1			1	
PRIOR ROAD (TH 54)	1			1	
ROBINSON ROAD (TH 57)	1			1	

TOWN/STATE HIGHWAY NAME	1	2	3	4	PCMS
GOLD COAST ROAD (TH 26)	1			1	
NORTH BRIDGEWATER ROAD (TH 2)	1			1	
WOLLEN MILL ROAD (TH 46)	2			2	
ECHO LEDGE ROAD (TH 13)	1			1	
LIBERTY FARM ROAD (TH 28)	1			1	
LINCOLN COVERED BRIDGE (TH 35)	1			1	
WESTERODALE ROAD (TH 16)	1			1	
CABOT ROAD (TH 86)	1			1	
WYMAN LANE (TH 29)	1			1	
COX DISTRICT ROAD (TH 23)	1			1	
SENIOR LANE (TH 114)	2			2	
BARBERRY HILL ROAD (TH 30)	1			1	
MILL ROAD (TH 50)	1			1	
PROSPER ROAD (TH 3)	1			1	
ROSE HILL (TH 31)	2			2	
END PROJECT US ROUTE 4	2	2	1		1
PROJECT TOTAL	39	8	2	33	4



PROJECT NAME: KILLINGTON-WOODSTOCK	
PROJECT NUMBER: ER NH 020-2(38)	
FILE NAME: z13bi92+mpl.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
CONSTRUCTION APPROACH SIGNING SHEET	SHEET 145 OF 146

GENERAL TRAFFIC CONTROL NOTES:

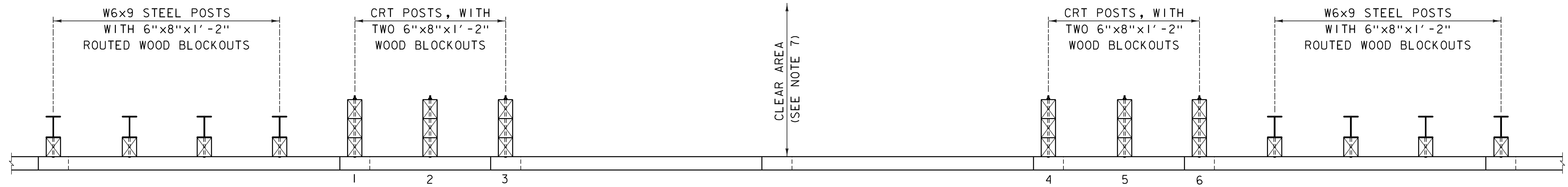
1. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN AND MAKING CHANGES, IF NECESSARY, SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL. THE TRAFFIC CONTROL PLAN SHALL BE IN COMPLIANCE WITH VTRANS STANDARDS AND 2009 MUTCD. WHERE CONFLICTS EXIST, THE 2009 MUTCD SHALL GOVERN.
2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VAOT STANDARDS AND THE LATEST EDITION OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10 TRAFFIC CONTROL.
3. THE BID PRICE FOR ITEM 641.10 TRAFFIC CONTROL SHALL INCLUDE ALL APPROACH AND ON PROJECT CONSTRUCTION SIGNING, PORTABLE ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS AND POSTS AS DETAILED IN THE VTRANS STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY: 621.90 - TEMPORARY TRAFFIC BARRIERS, 630.10 - UNIFORMED TRAFFIC OFFICERS, 630.15 - FLAGGERS, 646.602 - TEMPORARY 4 INCH WHITE LINE, PAINT, 646.612 - TEMPORARY 4 INCH YELLOW LINE, PAINT, 646.642 - TEMPORARY 8 INCH WHITE LINE, PAINT, 646.652 - TEMPORARY 8 INCH YELLOW LINE, PAINT, 646.682 - TEMPORARY 24 INCH STOP BAR, PAINT, 646.692 - TEMPORARY LETTER OR SYMBOL, PAINT, 646.702 - TEMPORARY CROSSWALK MARKING, PAINT, AND 646.76 - LINE STRIPING TARGETS.
4. THE 2009 MUTCD AND ITS LATEST REVISIONS SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES, VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR PLACED OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.
5. CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK.
6. AS PAVING OPERATIONS MOVE, THE FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000- FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY IF FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.
7. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, PORTABLE CHANGEABLE MESSAGE SIGN. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL POSITION A PCMS PRIOR TO THE BEGIN AND END PROJECT LIMITS WARNING MOTORISTS OF EXPECTED ROADWAY CONDITIONS AND REDUCED ROADWAY WIDTHS. PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARDS TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY. THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED AS A SUPPLEMENT, AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS. THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
8. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.
9. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
10. DIAMOND SHAPED SIGNS SHALL BE 4' X4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLORESCENT ORANGE BACKGROUND.
11. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS SPECIFIED IN THE SPECIAL PROVISIONS.
12. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
13. REFER TO VERMONT STAND STANDARDS AND THE LATEST EDITION OF MUTCD FOR TEMPORARY TRAFFIC CONTROL SIGN COLORS.
14. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS.
15. ALL TEMPORARY TRAFFIC BARRIERS SHALL BE DELINEATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE LATEST EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).

16. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN CORRUGATED REFLECTIVE METAL STRIPS (ALTERNATING ORANGE AND WHITE ON TEMPORARY TRAFFIC BARRIER. STRIPS SHALL BE INSTALLED ON TRAFFIC SIDE FACE OF BARRIER PER MANUFACTURER'S RECOMMENDATIONS AND AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCIDENTAL TO ITEM 621.90, TEMPORARY TRAFFIC BARRIER.
17. THE CONTRACTOR SHALL RELOCATE OR COVER ALL EXISTING SIGNS WHERE THEY WOULD CONFLICT WITH CONSTRUCTION SIGNAGE. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL. EXISTING SPEED LIMIT SIGNS SHALL BE COVERED WHEN REDUCES SPEED SIGNS ARE POSTED. KEEP RECORDS WHEN POSTING THE WORK ZONE SPEED LIMIT FOR LEGAL PURPOSES; DOCUMENTING DATES, TIMES AND LOCATIONS OF SIGNS. WHEN WORK ZONE SPEED LIMIT IS NOT IN USE, ALL ASSOCIATED, SIGNS SHALL BE COVERED, TURNED AND/OR LAID FLAT SO AS THE MOTORING PUBLIC CANNOT READ THESE SIGNS.
18. PORTABLE OR STATIONARY WORK ZONE SPEED LIMIT SIGNS SHOULD BE SPACED EVERY 1.5 TO 2 MILES WHERE APPLICABLE AND AFTER INTERSECTIONS AS A REMINDER TO THE MOTORIST TRAVELING THROUGHOUT THE WORK ZONE WHAT SPEED THEY SHOULD BE TRAVELING.
19. WHEN REDUCED REGULATORY SPEED LIMIT SIGNS ARE USED, THE RESUMPTION OF THE USUAL SPEED LIMIT SHALL BE INDICATED BY AN APPROPRIATE SPEED LIMIT SIGN AT THE END OF THE WORK ZONE.
20. THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES.
21. A TRAVEL WIDTH OF 12- FEET (INCLUDING SHOULDERS) SHALL BE MAINTAINED.
22. WHEN COLD PLANED BITUMINOUS PAVEMENT IS OPEN TO TRAFFIC, A "MOTORCYCLES USE CAUTION" SIGN SHALL BE PROVIDED, PER VAOT STANDARD T-17.
23. THE CONTRACTOR SHALL LEAVE NO LONGITUDINAL DROP-OFFS DURING THE OVERNIGHT HOURS. THEREFORE, THE FULL ROADWAY WIDTH SHALL BE COLD PLANED OR PAVED DURING THE DAILY WORK PERIOD. WHEN NECESSARY, DROP-OFF PROTECTION IN THESE AREAS SHALL CONFIRM TO VAOT STANDARD T-36.
24. MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES FOR EMERGENCY VEHICLES. MAINTAIN ACCESS TO ALL COMMERCIAL AND MUNICIPAL PROPERTIES DURING BUSINESS HOURS. ACCESS TO RESIDENTIAL PROPERTIES MAY BE RESTRICTED FOR A SHORT DURATION (A FEW HOURS). THIS WORK SHALL BE COORDINATED WITH THE OWNER. COORDINATE MAJOR WORK ON COMMERCIAL OR MUNICIPAL ACCESS WITH THE OWNER AT LEAST ONE WEEK PRIOR TO STARTING THE WORK. ALL ACCESS SHALL ALSO BE KEPT FREE OF WORK AND TRAFFIC CONTROLLED BY UNIFORMED TRAFFIC OFFICERS OR FLAGGERS, AS REQUIRED BY THE ENGINEER.
25. TRAFFIC SHALL NOT BE CHANGED FROM ONE TRAFFIC PATTERN TO THE NEXT TRAFFIC PATTERN UNTIL ALL TEMPORARY MARKINGS, SIGNING AND SIGNAL WORK ARE COMPLETED. ANY CONFLICTING MARKINGS SHALL BE REMOVED.
26. ALL REASONABLE EFFORTS SHALL BE MADE TO ACCOMMODATE PEDESTRIAN TRAVEL AT ALL TIMES. THIS MAY INCLUDE, BUT IS NOT LIMITED TO A DEDICATED PEDESTRIAN ESCORT, SIGNAGE AND CONED OFF WALKING AREAS WITHIN CLOSED LANES. FLAGGERS SHALL NOT BE USED AS PEDESTRIAN ESCORTS. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED IN A TEMPORARY TRAFFIC CONTROL ZONE, THE TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
27. UNIFORMED TRAFFIC OFFICERS, UNDER THE AUTHORITY GRANTED BY LAW (TITLE 23 VSA) MAY DIRECT AND CONTROL TRAFFIC. SUITABLE EXAMPLES IN WORK MIGHT INCLUDE THE DIRECTION AND CONTROLS OF TRAFFIC AT INTERSECTIONS WHERE SIGNALS ARE NOT FUNCTIONING OR ARE MALFUNCTIONING. IN THESE CASES, THE PRESENCE OF THE BLUE LIGHT MAY NOT BE SUITABLE OR NECESSARY. THE WEARING OF DEPARTMENTALLY REQUIRED AND APPROVE REFLECTIVE GARMENTS IS REQUIRED.

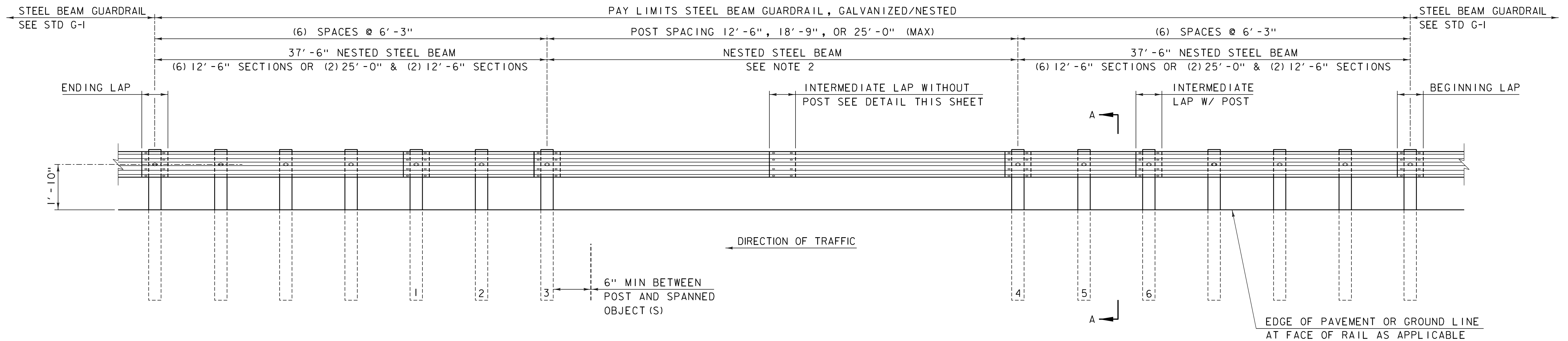
PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MUTCD, PART 6.
2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4- FEET. IF THE TPAR IS LESS THAN 5- FEET WIDE, A 5- FOOT BY 5- FOOT PASSING SPACE SHALL BE PROVIDED AT LEAST EVERY 200- FEET. THE SURFACE OF A TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT OR CONSTRUCTION OPERATIONS.
4. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THE MEET THE REQUIREMENTS OF THE MUTCD SHALL BE USED.
5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAR HAVE BEEN PROVIDED.
7. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION OF DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TEMPORARY PEDESTRIAN ACCESS ROUTES (TPAR) AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. PAYMENT FOR DEVELOPING, IMPLEMENTING, AND MAINTAINING THE TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10.

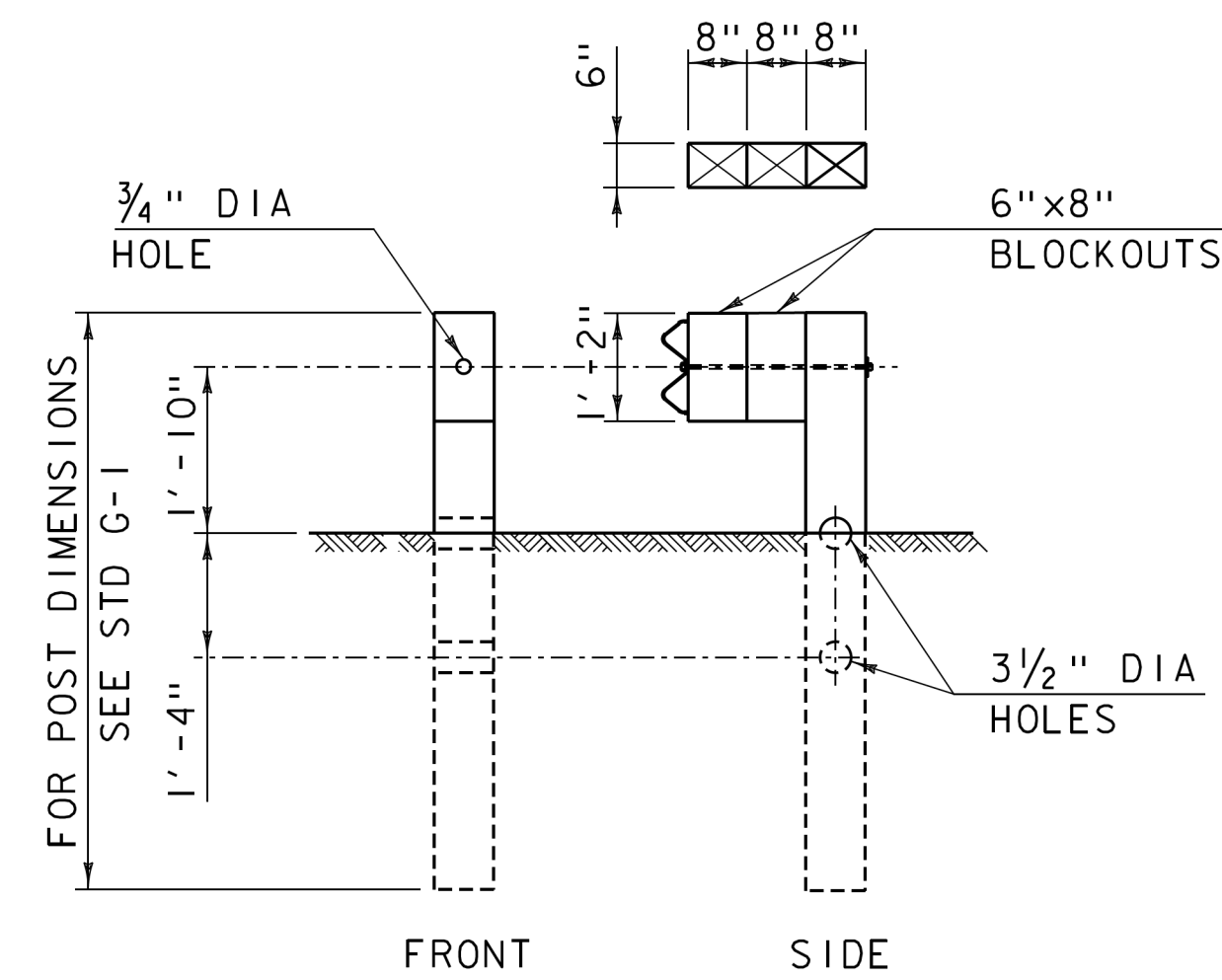
PROJECT NAME:	KILLINGTON-WOODSTOCK
PROJECT NUMBER:	ER NH 020-2(38)
FILE NAME: z13bi92+mpl.dgn	PLOT DATE: 3/7/2016
PROJECT LEADER: E. ATKINS	DRAWN BY: I. KHALID
DESIGNED BY: T. BIGELOW	CHECKED BY: E. ATKINS
TRAFFIC CONTROL NOTES SHEET	SHEET 146 OF 146



LONGSPAN STEEL BEAM GUARDRAIL PLAN

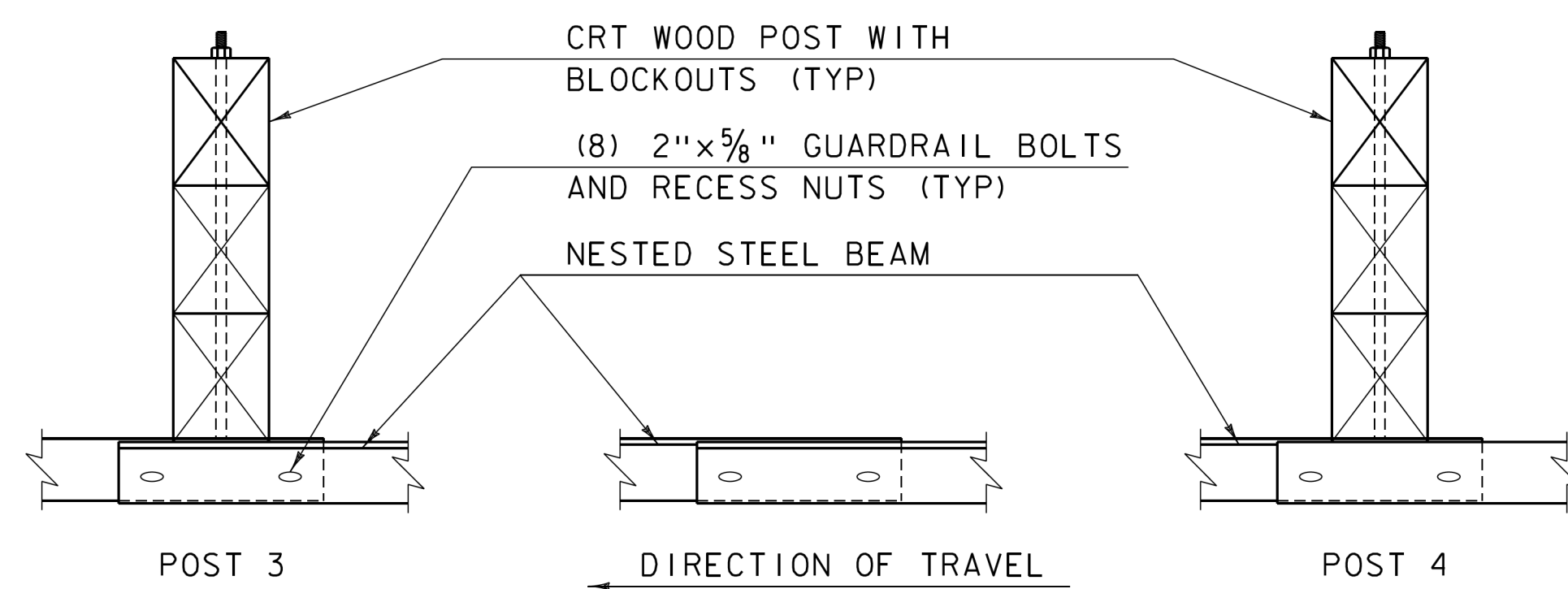


LONGSPAN STEEL BEAM GUARDRAIL ELEVATION



SECTION A-A

SECTION A-A TYPICAL FOR POST 1-6.  
SEE NOTES 3 AND 4



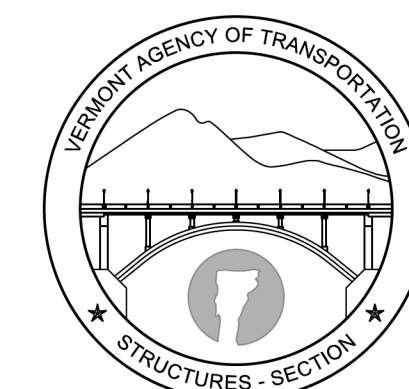
INTERMEDIATE LAP WITHOUT POST

NOTES:

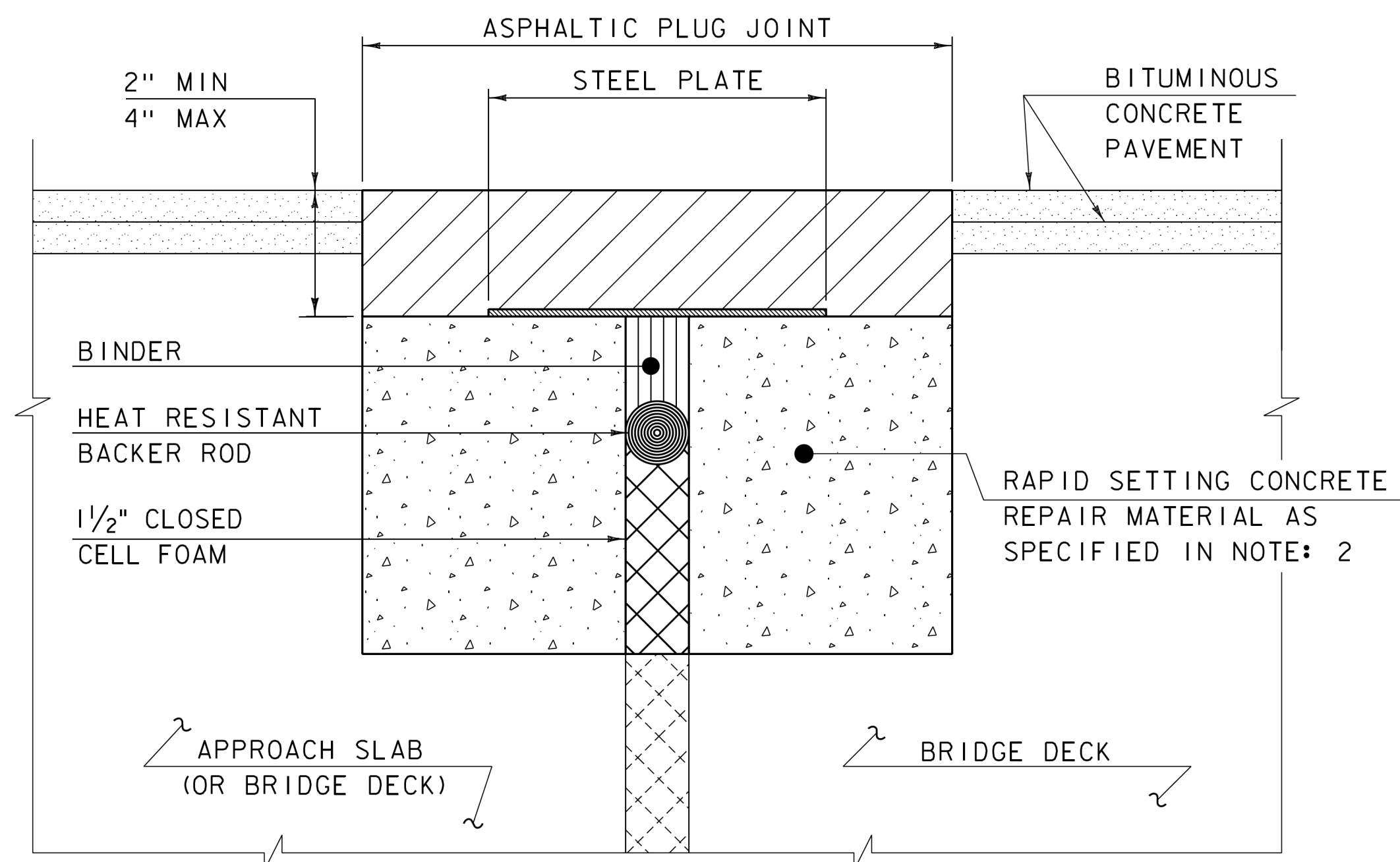
1. RAIL MEETS TEST LEVEL 3 REQUIREMENTS OF NCHRP REPORT 350.
2. THERE SHALL BE NO MORE THAN ONE SPLICE IN THE LONGSPAN LOCATION.
3. POSTS 1 THRU 6 ARE BREAKAWAY CONTROLLED RELEASING TERMINAL (CRT) POSTS.
4. POSTS 1 THRU 6 HAVE TWO 6"x8" BLOCKOUTS.
5. ON POSTS 1 THRU 6, GUARDRAIL BOLT "D", AS SHOWN ON STD G-I, SHALL BE 26" LONG.
6. ON ALL POSTS WHERE THE RAIL IS NESTED GUARDRAIL BOLT "A", AS SHOWN ON STD G-I, SHALL BE 2" LONG.
7. CLEAR AREA BEHIND BACK OF RAIL SHALL BE:  
5'-0" MINIMUM FOR OBSTRUCTIONS LESS THAN OR EQUAL TO THE HEIGHT OF RAIL.  
6'-0" FOR OBSTRUCTIONS TALLER THAN THE TOP OF RAIL.
8. W6x9 STEEL POST MAY BE REPLACED WITH CRT WOOD POST WITH THE APPROVAL OF THE ENGINEER.
9. ALL MATERIALS NECESSARY FOR THE ASSEMBLY OF THE RAIL MUST MEET THE REQUIREMENTS OF STD G-I UNLESS OTHERWISE NOTED.
10. GUARDRAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW FOR THE LANE NEAREST THE GUARDRAIL.

REVISIONS	
NOVEMBER 25, 2013	APPROVED FOR USE BY VAOT STRUCTURES SECTION
JANUARY 3, 2014	APPROVED FOR USE BY VAOT STRUCTURES SECTION

LONGSPAN  
STEEL BEAM GUARDRAIL,  
GALVANIZED



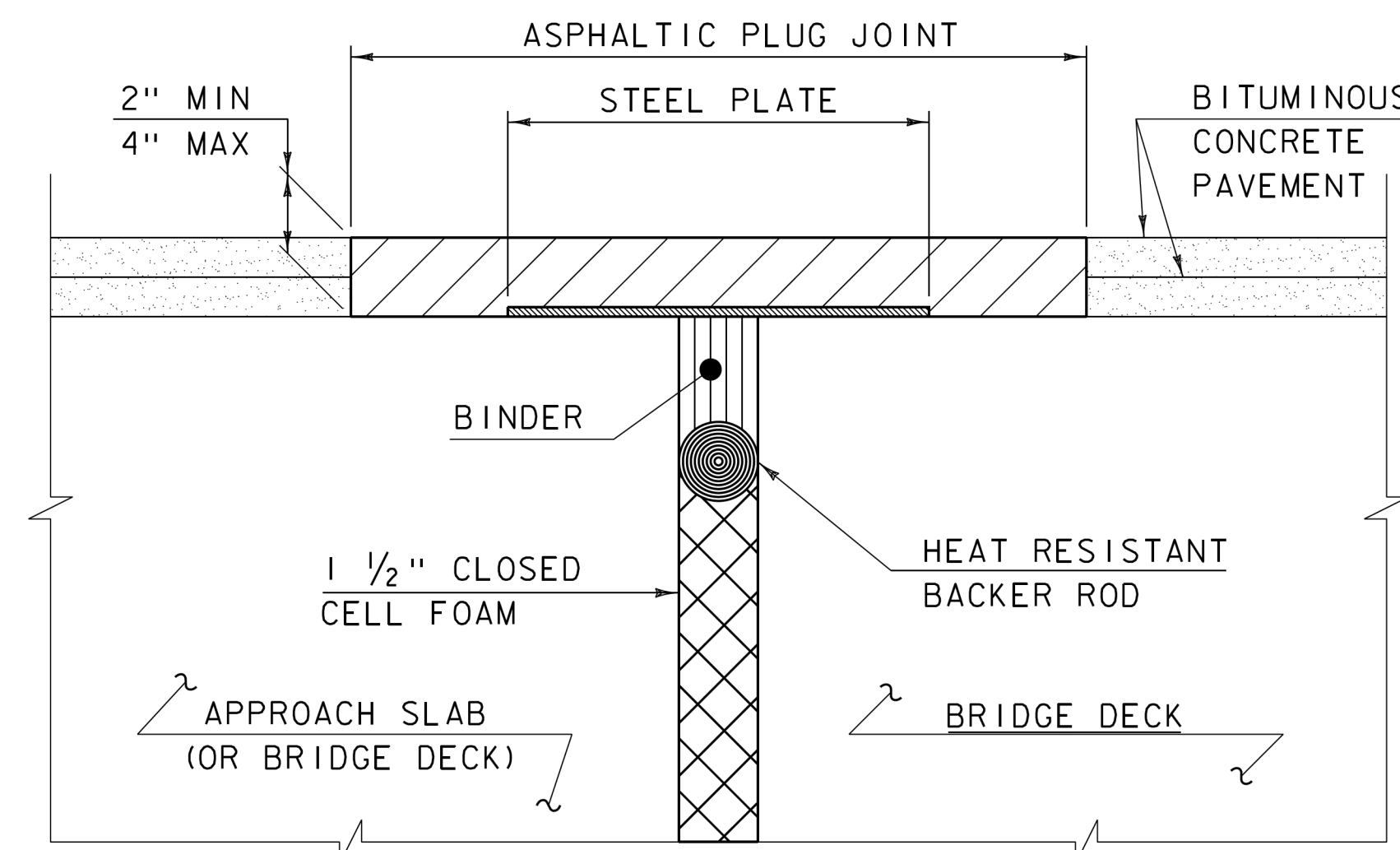
STRUCTURES  
DETAIL  
SD-366.00



ASPHALTIC PLUG JOINT DETAIL - REHAB

**NOTES:**

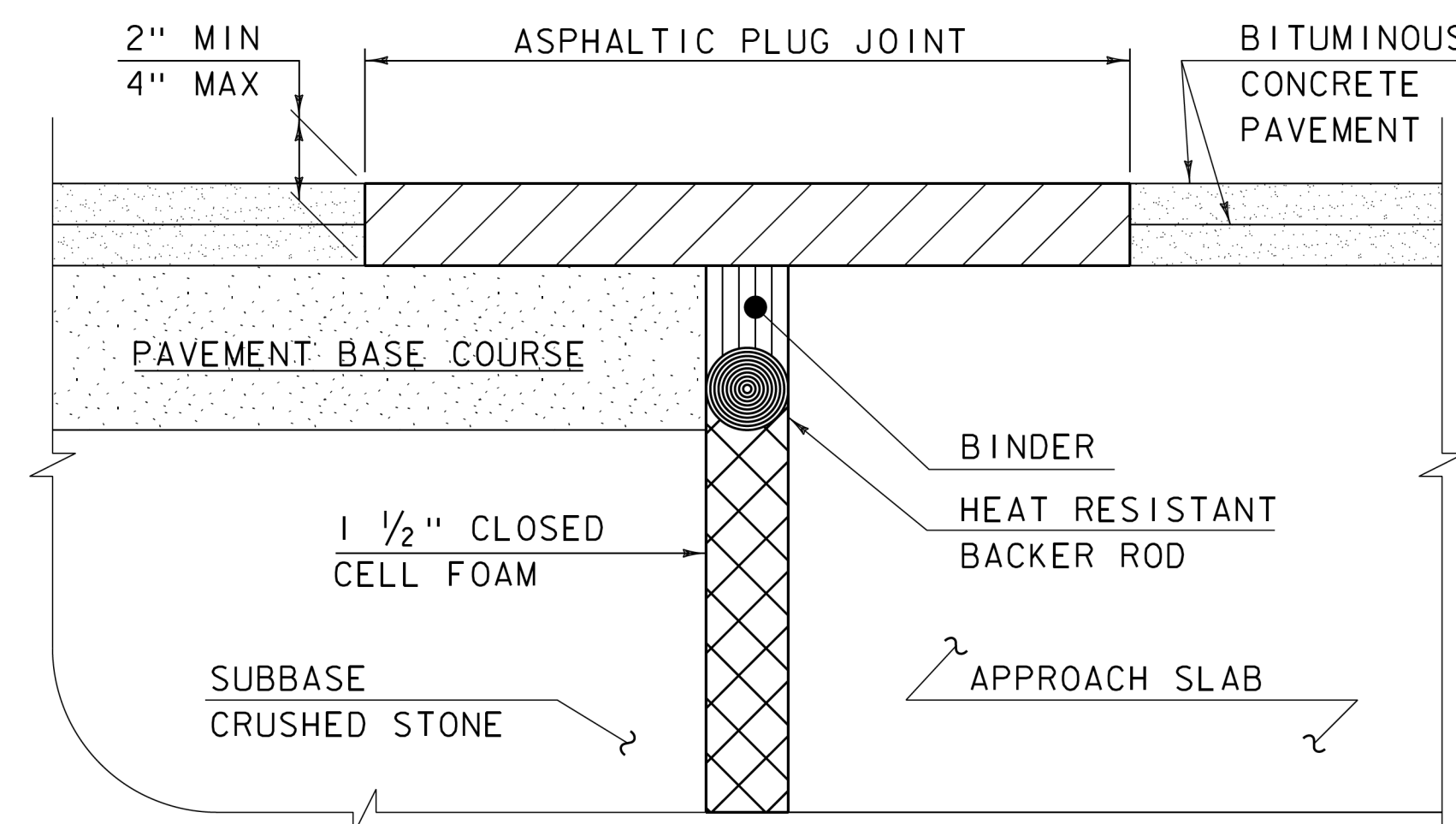
1. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL BE INCLUDED IN THE BID PRICE OF ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
2. THE CONTRACTOR SHALL REPLACE REMOVED MATERIAL THAT IS LESS THAN 4" FROM FINISHED GRADE WITH ASPHALTIC PLUG JOINT MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 707.15. ALL REMOVED MATERIAL THAT IS GREATER THAN 4 INCHES FROM FINISHED GRADE SHALL BE REPLACED WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
3. REINFORCING STEEL NOT SHOWN FOR CLARITY.
4. PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.



ASPHALTIC PLUG JOINT DETAIL "A" - NEW

**NOTE:**

PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER.



ASPHALTIC PLUG JOINT DETAIL "B" - NEW

**ASPHALTIC PLUG JOINT NOTES**

**INSTALLATION:**

1. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT, MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
2. REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.
3. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
4. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.
5. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.
6. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

**WEATHER LIMITATIONS**

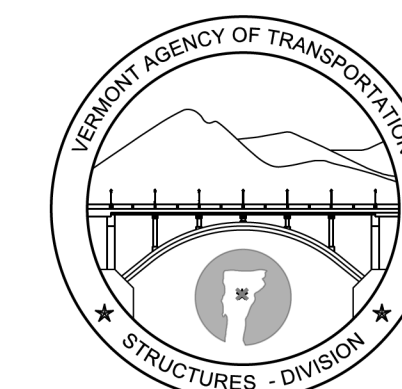
APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER:

1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.
2. THE ROAD SURFACE IS DRY.
3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

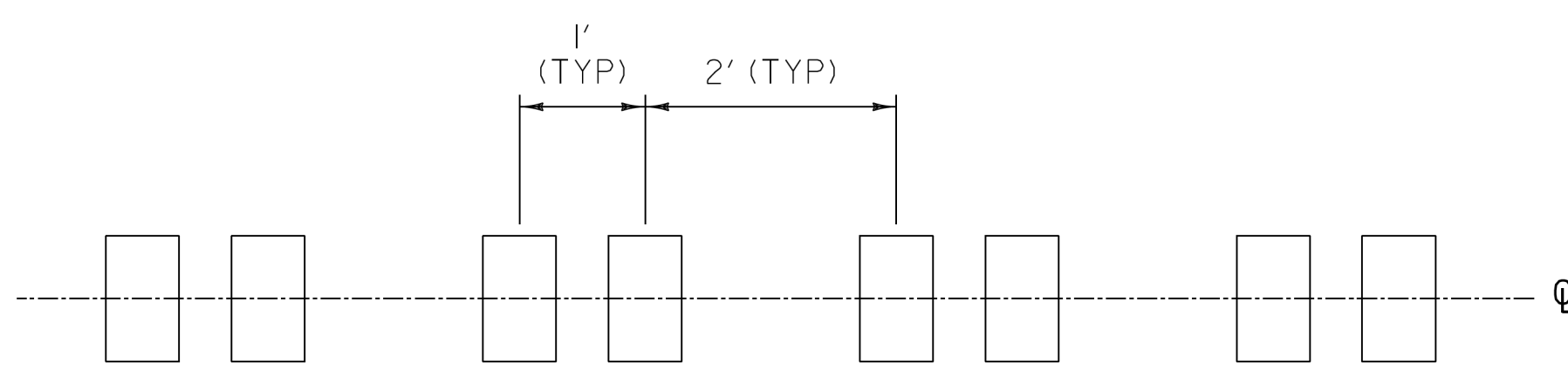
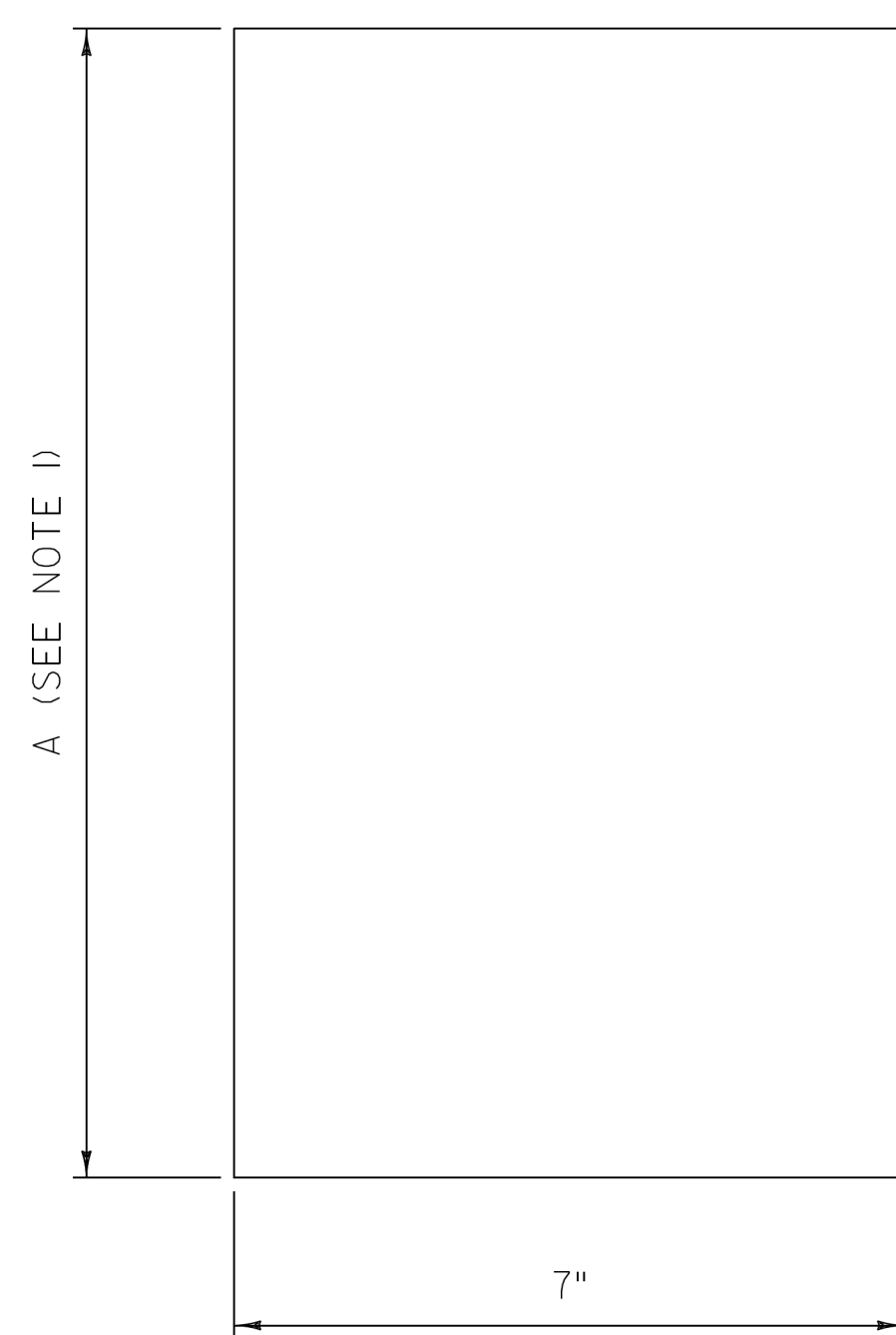
DETAILS ON THIS SHEET ARE NOT TO SCALE.

REVISIONS	
MAY 7, 2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION
AUGUST 29, 2011	ADD DETAIL "B" AND REV. NOTES

BRIDGE JOINT  
ASPHALTIC PLUG



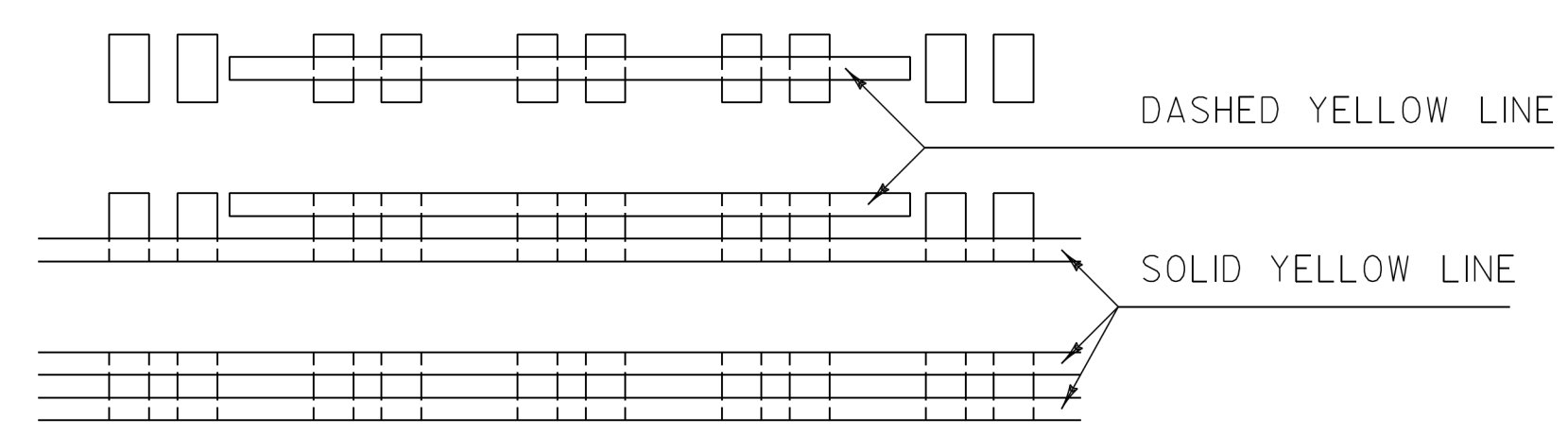
STRUCTURES  
DETAIL  
SD-516.10



**RUMBLE STRIP LAYOUT DETAIL**

**NOTE:**

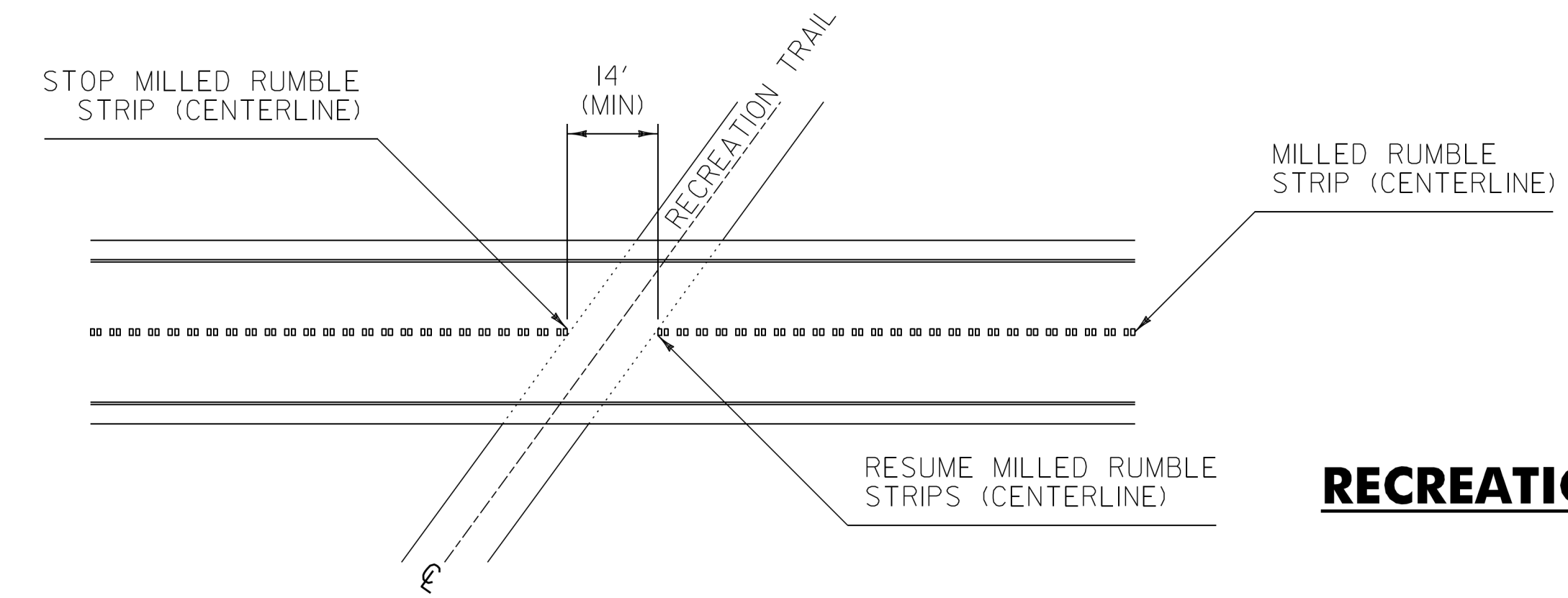
- 1. MILLED RUMBLE STRIPS (CENTERLINE) SHALL BE CENTERED ALONG THE CENTERLINE OF THE ROADWAY WITH A LATERAL TOLERANCE IN EITHER TRANSVERSE DIRECTION OF +/- ONE INCH AND INSTALLED AT THE INTERVALS AS DETAILED.



**PAVEMENT MARKING LAYOUT DETAIL**

**NOTES:**

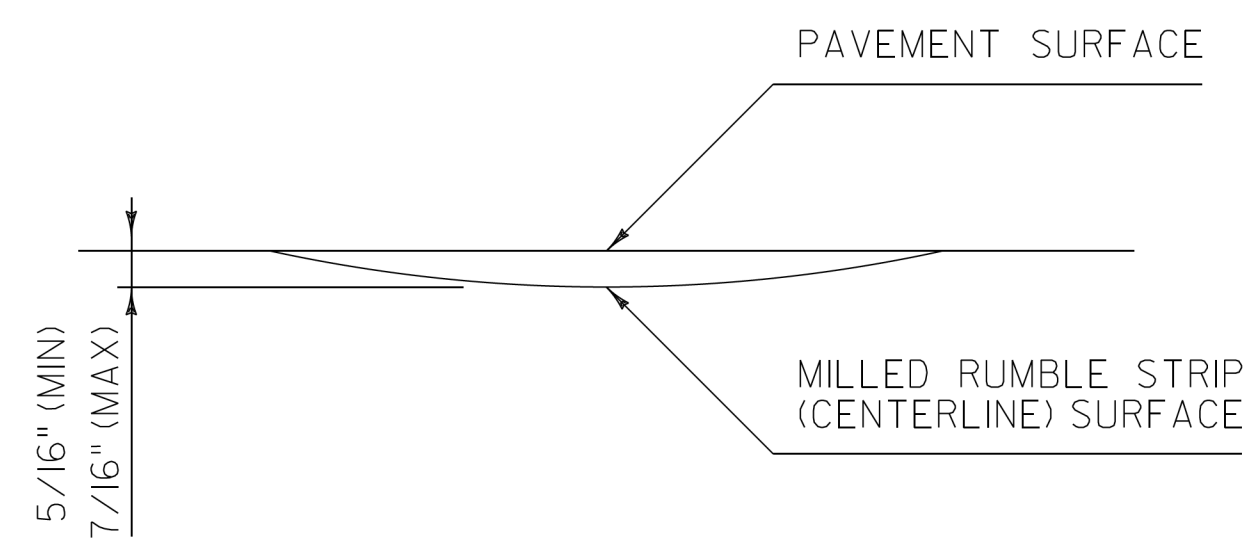
- 1. MILLED RUMBLE STRIPS (CENTERLINE) SHALL BE INSTALLED PRIOR TO FINAL CENTERLINE PAVEMENT MARKINGS.
- 2. ALL FINAL CENTERLINE PAVEMENT MARKINGS SHALL BE CENTERED ON THE MILLED RUMBLE STRIPS (CENTERLINE).
- 3. UNLESS OTHERWISE SPECIFIED IN THE PLANS, CENTERLINE PAVEMENT MARKINGS SHALL BE POLYUREA.



**RECREATION TRAIL CROSSING DETAIL**

**NOTE:**

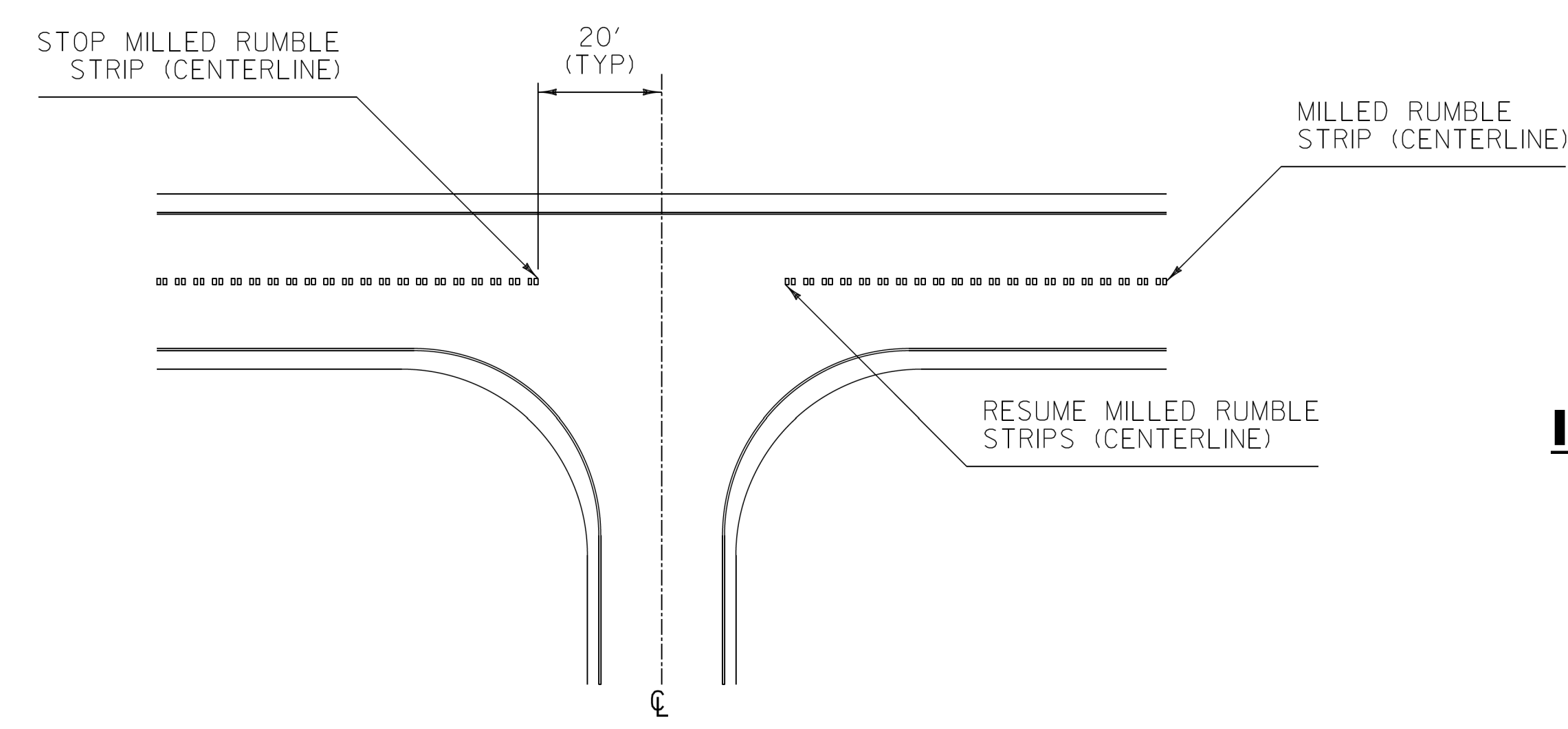
- 1. WIDTH OF GAP FOR RAIL TRAILS WILL VARY DEPENDENT ON THE SKEW OF THE TRAIL, WITH A 14 FOOT MINIMUM GAP.



**RUMBLE STRIP DETAIL**

**NOTES:**

- 1. DIMENSION "A" SHALL BE 12 INCHES WHEN FOUR INCH CENTERLINE PAVEMENT MARKINGS ARE TO BE INSTALLED AND 18 INCHES WHEN SIX INCH CENTERLINE PAVEMENT MARKINGS ARE TO BE INSTALLED.
- 2. WHEN MILLED RUMBLE STRIP (CENTERLINE) IS SPECIFIED TO BE SEALED WITH SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT) IT SHALL BE SEALED WITH TWO APPLICATIONS.



**INTERSECTION DETAIL**

**NOTE:**

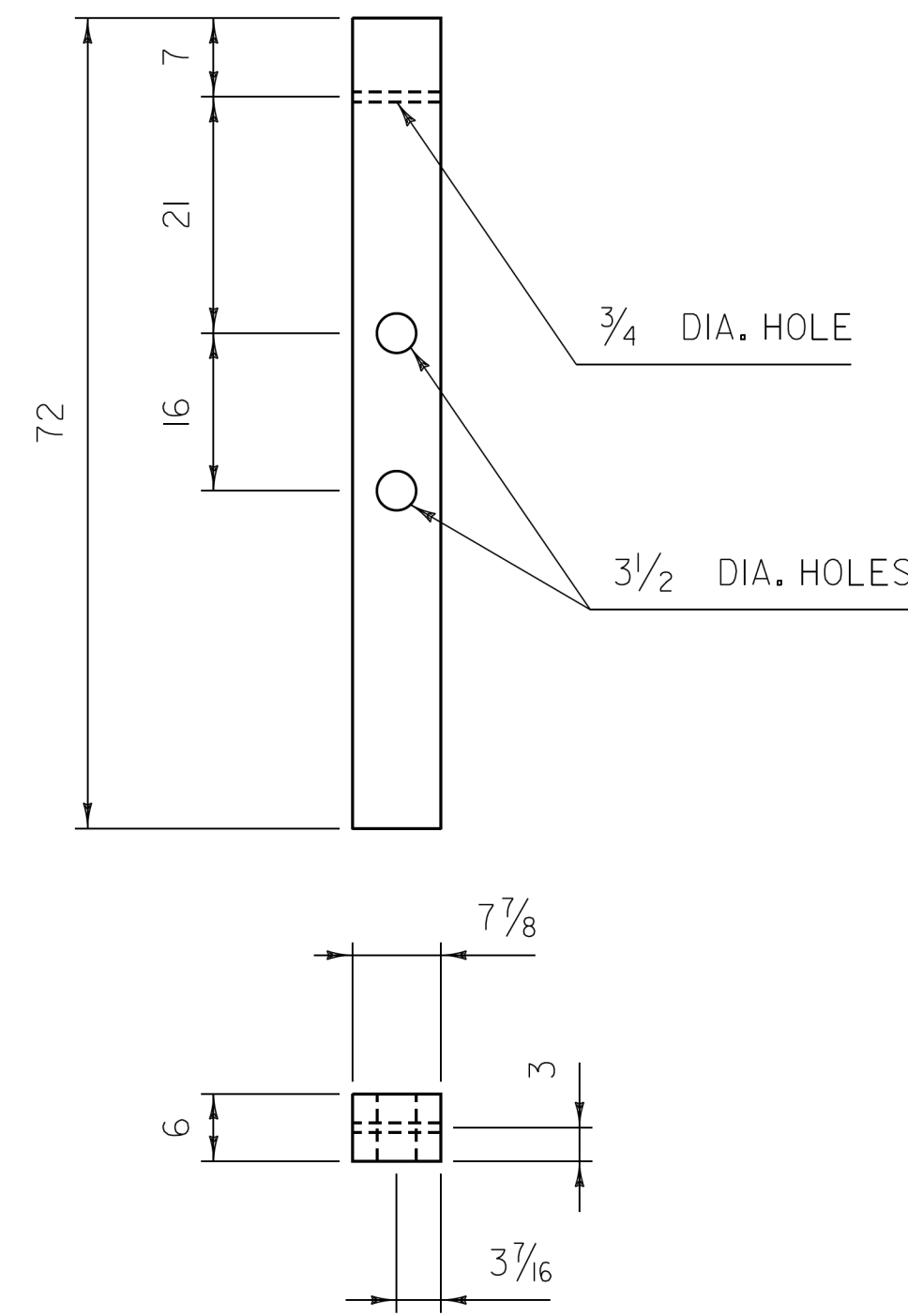
- 1. MILLED RUMBLE STRIPS (CENTERLINE) SHALL STOP 20 FEET PRIOR TO ALL INTERSECTIONS, IN BOTH DIRECTIONS OF TRAVEL.

REV.	DATE	DESCRIPTION
0	NOV. 3, 2015	ORIGINAL APPROVAL
1	FEB. 4, 2016	ADDED LATERAL TOLERANCE NOTE
OTHER DETAILS REQUIRED: NONE		
DETAILS APPROVED FOR USE BY HIGHWAY SAFETY & DESIGN		

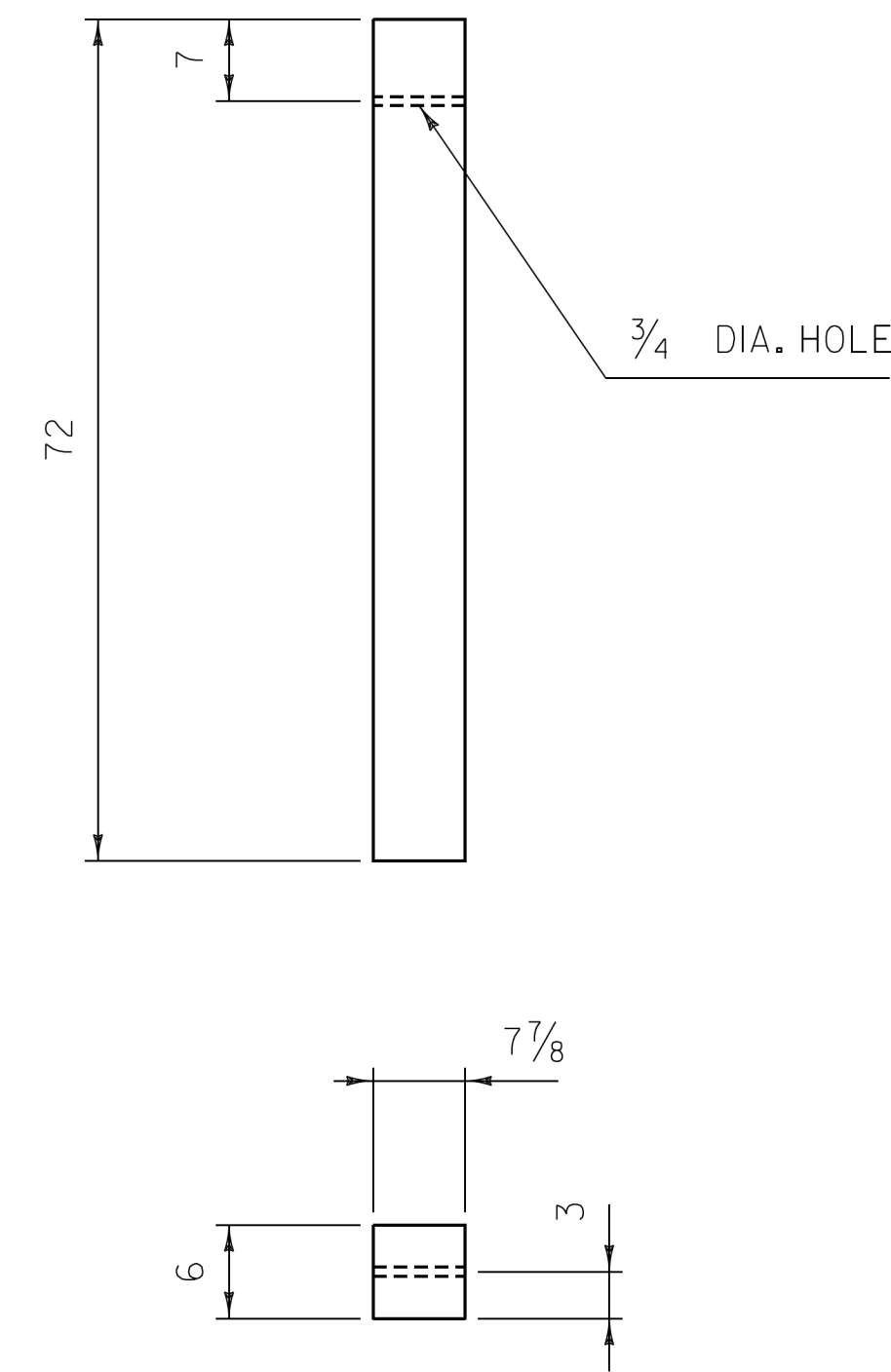
**MILLED RUMBLE STRIP (CENTERLINE) DETAILS**



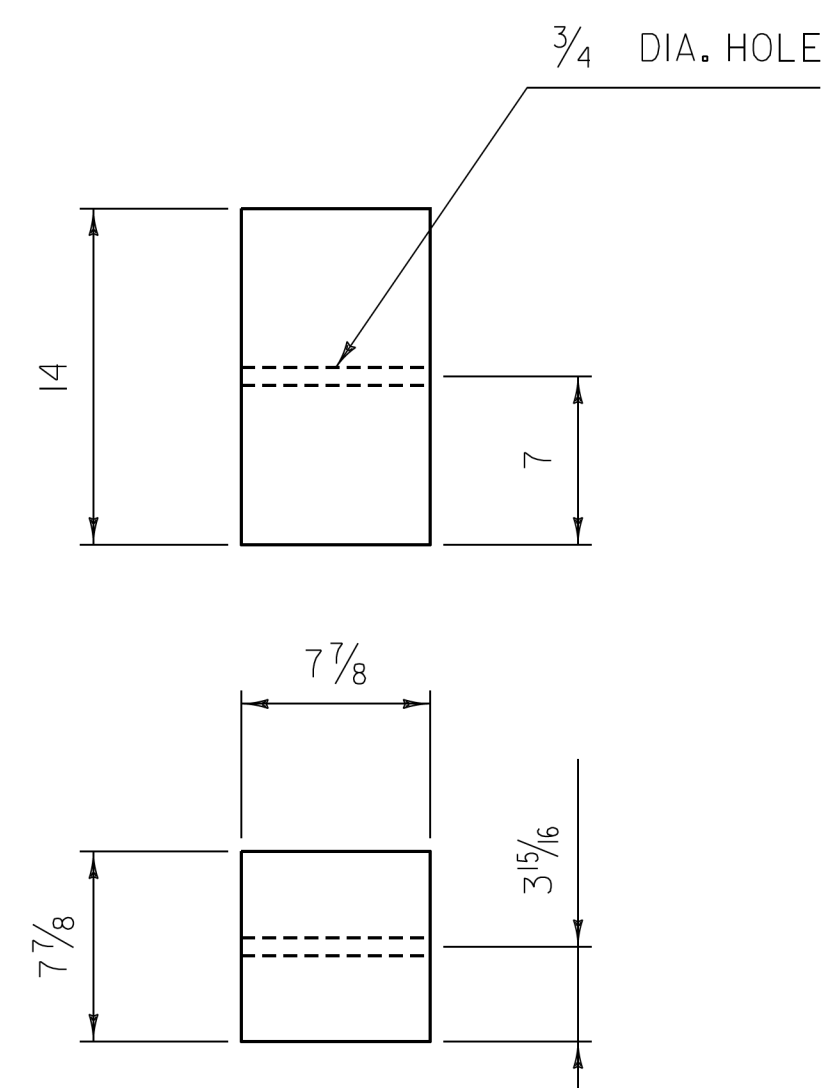
**HIGHWAY SAFETY & DESIGN DETAIL**  
**HSD-213.02**



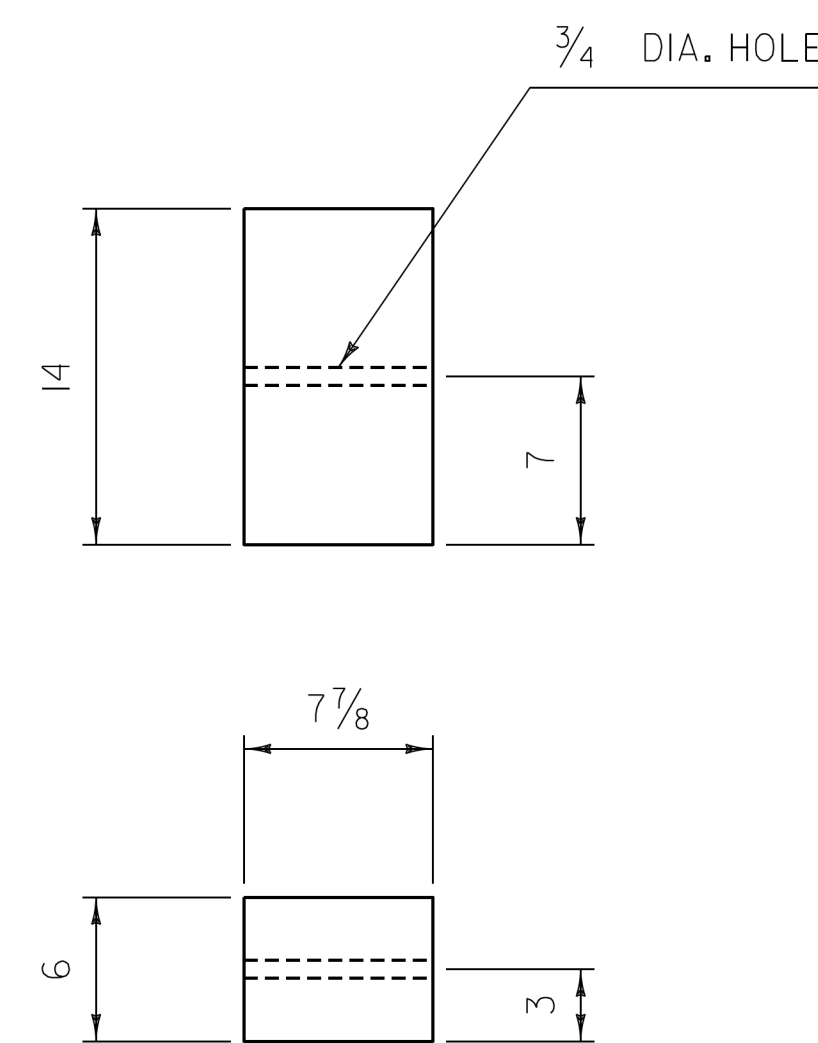
**CONTROLLED RELEASING TERMINAL  
(CRT) TIMBER POST (PDE09)**



**TIMBER GUARDRAIL POST (PDE07)**



**TRANSITION SPACER BLOCKOUTS (PDB07)**



**W-BEAM TIMBER BLOCKOUT (PDB01)**

**GENERAL NOTES:**

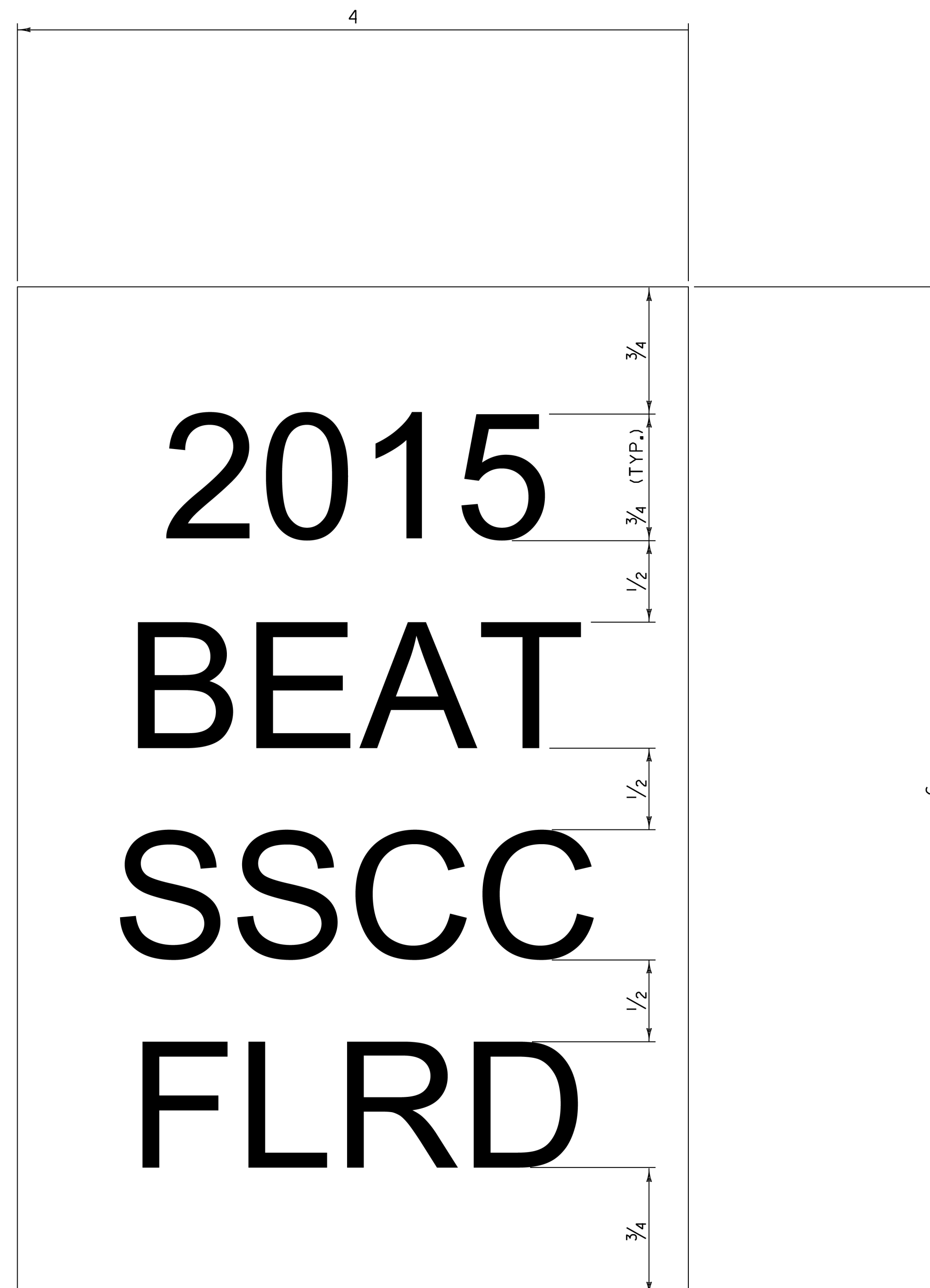
1. ALL MATERIAL DESIGNATIONS ARE AS IDENTIFIED IN "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE" AS PUBLISHED BY THE "AMERICAN ASSOCIATION OF STATE AND HIGHWAY TRANSPORTATION OFFICIALS" (AASHTO), ASSOCIATED GENERAL CONTRACTORS OF AMERICA (AGC) AND THE AMERICAN ROAD AND TRANSPORTATION BUILDERS ASSOCIATION (ARTBA).
2. CRT TIMBER POSTS SHALL BE INSTALLED SO THAT THE CENTER OF THE TOP 3/2 INCH HOLE IS AT GROUND LEVEL.
3. ALL TIMBER SHALL RECEIVE A PRESERVATION TREATMENT IN ACCORDANCE WITH AASHTO M133 AFTER ALL HOLES ARE DRILLED AND END CUTS ARE MADE.
4. ALL DIMENSIONS IN INCHES.

REV.	DATE	DESCRIPTION
0	JUN. 9, 2015	ORIGINAL APPROVAL
OTHER DETAILS REQUIRED: NONE		
DETAILS APPROVED FOR USE BY HIGHWAY SAFETY & DESIGN		

**POST AND BLOCKOUT DETAILS  
FOR STEEL BEAM GUARDRAIL, GALVANIZED**



**HIGHWAY SAFETY  
& DESIGN DETAIL  
HSD - 621.01**



**GENERAL NOTES:**

1. LINE ONE SHALL INDICATE THE INSTALLATION YEAR (YYYY).
2. LINE TWO SHALL INDICATE THE MODEL AS IDENTIFIED ON THE APPROVED PRODUCTS LIST. FOR GENERIC INSTALLATIONS THE STANDARD DRAWING DESIGNATION OR NAME AS IDENTIFIED IN THE FHWA ELIGIBILITY LETTER SHALL BE USED.
3. LINE THREE SHALL INDICATE ADDITIONAL MODEL INFORMATION IF NECESSARY.
4. LINE FOUR SHALL INDICATE FLARED (FLRD) OR TANGENT (TANG).
5. LEGEND SHALL BE ONE ARIEL FONT.
6. LEGEND SHALL BE BLACK ON A WHITE BACKGROUND, LEGEND AND BACKGROUND SHALL NOT BE REFLECTIVE.
7. SUITABLE MATERIAL SHALL BE USED SO AS TO NOT DETERIORATE DURING EXPOSURE TO WEATHER.
8. LABELS SHALL BE APPLIED IN SUCH A WAY THAT THEY REMAIN INTACT DURING THE LIFE OF THE TERMINAL.
9. FOR W-BEAM GUARDRAIL, LABEL SHALL BE PLACED ON THE TOP OF POST ONE FACING AWAY FROM TRAFFIC.
10. FOR BOX BEAM GUARDRAIL, LABEL SHALL BE PLACED ON THE BOX BEAM ADJACENT TO POST ONE FACING AWAY FROM TRAFFIC.
11. PAYMENT SHALL BE INCIDENTAL TO OTHER TRAFFIC BARRIER ITEMS.
12. ALL DIMENSIONS IN INCHES.

REV.	DATE	DESCRIPTION
0	NOV. 3, 2015	ORIGINAL APPROVAL
OTHER DETAILS REQUIRED: NONE		
DETAILS APPROVED FOR USE BY HIGHWAY SAFETY & DESIGN		

GUARDRAIL TERMINAL LABEL DETAIL



HIGHWAY SAFETY  
& DESIGN DETAIL  
HSD - 621.06