

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWNS OF BRANDON, LEICESTER, SALISBURY AND MIDDLEBURY COUNTIES OF RUTLAND & ADDISON U.S. ROUTE 7 PRINCIPAL ARTERIAL (NHS)

BEGINNING IN THE TOWN OF BRANDON AT MM 4.447 AND EXTENDING NORTHERLY ALONG U.S. ROUTE 7 FOR A DISTANCE OF 82,959.36 FEET (15.712 MILES) TO A POINT IN MIDDLEBURY AT MILE MARKER 4.264.

LENGTH OF PROJECT 82,959.36 FT (15.712 MILES)
LENGTH OF PROJECT 82,959.36 FT (15.712 MILES)

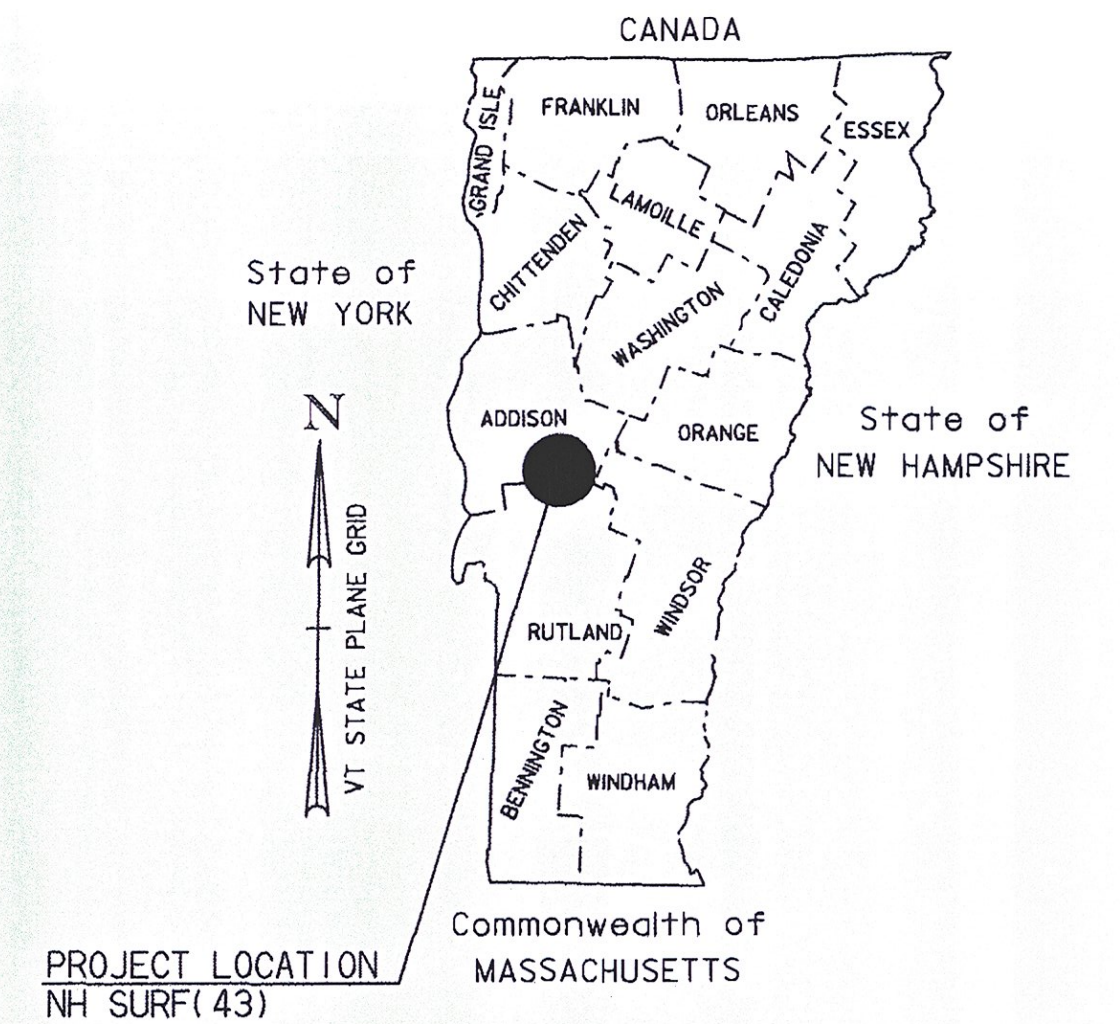
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, CRACK SEALING & OVERLAYING WITH A THIN BITUMINOUS CONCRETE WEARING SURFACE ON THE EXISTING TYPICAL AND APPLICABLE PAVEMENT MARKINGS.

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VAOT STANDARDS

T-1	08/06/12
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T-31	08/06/12
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T-36	08/06/12
E-150	05/01/04
E-191	02/01/99
E-192	10/12/00
E-193	08/18/95



PROJECT LOCATION
NH SURF(43)

RECORD PLANS	
CONTRACTOR:	PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER:	CHRIS LAVALET
CONSTRUCTION BEGAN:	AUGUST 26, 2014
CONSTRUCTION COMPLETE:	AUGUST 11, 2015
RECORD PLANS BY:	CHRIS LAVALET & KEVIN KING
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY: <i>Chris Lavalet</i>	RESIDENT ENGINEER
DATE: 6/6/16	
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found by contacting Vtrans Records Management.	

TRAFFIC DATA

VT. ROUTE III EASTBOUND	ADT		DHV		ESAL'S	ESAL'S
	2014	2024	2014	2024	2014-2024	2014-2034
BEGINNING OF PROJECT US ROUTE 7 (MM 4.447) TO ARNOLD DISTRICT ROAD (MM 5.392)	10,400	10,700	1200	1200	4,220,000	9,643,000
ARNOLD DISTRICT ROAD TO LEICESTER-WHITING ROAD (MM 1.482)	5800	5900	610	630	3,869,000	8,352,000
LEICESTER-WHITING ROAD TO WEST SALISBURY ROAD (MM 0.642)	6200	6300	660	670	3,876,000	8,712,000
WEST SALISBURY ROAD TO VT ROUTE 53-LAKE DUNMORE ROAD (MM 2.618)	6400	6600	680	700	3,126,000	6,837,000
VT ROUTE 53-LAKE DUNMORE ROAD TO VT 116 (MM 0.957)	7600	7800	810	830	3,228,000	7,252,000
VT ROUTE 116 TO VT ROUTE 125 EAST (MM 1.231)	7200	7500	810	840	3,578,000	8,213,000
VT ROUTE 125 EAST TO CADY ROAD (MM 2.154)	10,100	10,400	1100	1200	3,736,000	8,307,000
CADY ROAD TO HALLADAY ROAD (MM 2.881)	10,900	11,200	1200	1200	3,695,000	8,561,000
HALLADAY ROAD TO END OF PROJECT (MM 4.264)	12,400	12,800	1400	1400	3,281,000	7,554,000



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

QUALITY ASSURANCE PROGRAM : LEVEL I
SURVEYED BY : N/A
SURVEYED DATE : N/A
DATUM
VERTICAL: N/A
HORIZONTAL: N/A

DIRECTOR OF PROGRAM DEVELOPMENT <i>D. HOVINE - ACTING</i>
APPROVED: <i>[Signature]</i> DATE 5/30/14
PROJECT MANAGER : MICHAEL J. FOWLER, P.E.
PROJECT NAME : BRANDON - MIDDLEBURY
PROJECT NUMBER : NH SURF (43)
SHEET 1 OF 28 SHEETS

NOT TO SCALE

GENERAL INFORMATION

SYMBOLY LEGEND NOTE

THE SYMBOLY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLY. THE SYMBOLY 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. SYMBOLY 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 BENCH MARK
▣	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 VALVE
⊕	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 SYMBOLY

UNDERGROUND UTILITIES

— 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)

— 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 SYMBOLY

—	CLEAR ZONE
—	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

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

**CONVENTIONAL BOUNDARY SYMBOLY**

**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
---	PROPERTY LINE (P/L)
SR	SLOPE RIGHTS
6f	6F PROPERTY BOUNDARY
4f	4F PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

**EPSC LAYOUT PLAN SYMBOLY**

**EPSC MEASURES**

ONNOONNOONNO	FILTER CURTAIN
—	SILT FENCE
—	SILT FENCE WOVEN WIRE
—	CHECK DAM
▣	DISTURBED AREAS REQUIRING RE-VEGETATION
⊕	EROSION MATTING

**ENVIRONMENTAL RESOURCES**

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

**ARCHEOLOGICAL & HISTORIC**

---	ARCHEOLOGICAL BOUNDARY
---	HISTORIC DISTRICT BOUNDARY
---	HISTORIC AREA
⊕	HISTORIC STRUCTURE

**CONVENTIONAL TOPOGRAPHIC SYMBOLY**

**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: BRANDON - MIDDLEBURY  
PROJECT NUMBER: NH SURF (43)

FILE NAME: pl3B6I6_Brandon-Middlebury.dgn PLOT DATE: 02-JUN-2014  
PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
CONVENTIONAL SYMBOLY - LEGEND SHEET 2 OF 28

NOTES:

1. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POTHOLE REPAIR, AND CRACK SEALING SHALL BE PERFORMED PRIOR TO APPLICATION OF ANY SPOT LEVELING OR PLACEMENT OF THE WEARING COURSE. ALL CRACKS GREATER THAN 0.10 INCH AND UP TO ONE INCH IN WIDTH SHALL BE SEALED USING THE "BLOW AND GO" FLUSH FILL METHOD. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE PAID FOR UNDER ITEM 417.20, BITUMINOUS CRACK SEALING, "BLOW AND GO" METHOD. THE PATCHING OF ALL CRACKS GREATER THAN ONE INCH AND ALL OTHER PATCHING AND POTHOLE REPAIR SHALL BE COMPLETED USING BITUMINOUS CONCRETE PAVEMENT IN ACCORDANCE WITH ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.

2. FOLLOWING COMPLETION OF COLD PLANING, THE MILLED SURFACE FOR ALL BRIDGES SHALL RECEIVE CRACK SEALING AND RELATED PATCHING AND POTHOLE REPAIR TREATMENTS, AS DIRECTED BY THE ENGINEER.

3. ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO ANY CRACK SEALING BEING PERFORMED AND PRIOR TO APPLYING THE THIN BITUMINOUS SURFACE TREATMENT. ALL LANE DELINEATION IS TO BE MAINTAINED DURING CONSTRUCTION BY THE USE OF LINE STRIPING TARGETS OR TEMPORARY PAINT.

4. A 50' COLD PLANED TRANSITION SHALL BE CONSTRUCTED AT THE PROJECT BEGIN, PROJECT END, AND AT ALL BRIDGE APPROACHES OR AS DIRECTED BY THE ENGINEER. ANY SAW CUTTING AT BUTT JOINTS SHALL BE INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.

5. IF IT IS DETERMINED BY THE ENGINEER IN AREAS ALONG THE BASE OF THE GUARDRAIL THAT WINTER SAND AND OTHER DEBRIS HAS ACCUMULATED SUFFICIENTLY TO AFFECT PROPER CRACK SEALING AND RELATED PATCHING AND POTHOLE REPAIR TREATMENTS, THIS MATERIAL SHALL BE REMOVED PRIOR TO CRACK SEALING, PATCHING, AND POTHOLE REPAIR AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY FOR ITEM 203.40 SHOULDER BERM REMOVAL HAS BEEN INCLUDED TO COVER THE COSTS ASSOCIATED WITH THIS WORK.

6. BRIDGES WITHIN THE PROJECT LIMITS ARE:

LEICESTER:

BRIDGE NUMBER 116A MM 0.618 4' X 6' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 117 MM 1.393 10' X 10' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 118 MM 2.626 4' X 5' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 119 MM 2.897 4' X 5' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 12 MM 3.202 TWO SPAN ROLLED BEAM CONCRETE CIP, LENGTH 108' (COLD PLANE 1" THEN OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)

SALISBURY:

BRIDGE NUMBER 121 MM 0.305 8' X 8' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 122 MM 0.409 4' X 5' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 123 MM 0.792 4.5' X 6' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 124 MM 2.603 14' X 7' R.C. BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 124A MM 4.069 72" CMPP CATTLE PASS (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)

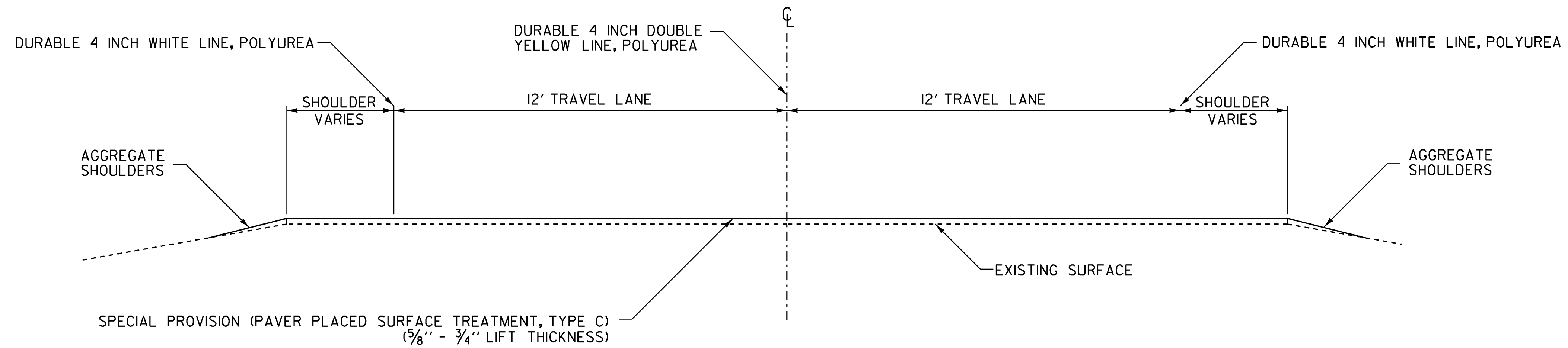
MIDDLEBURY:

BRIDGE NUMBER 124B MM 0.015 8' X 6.25' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 125 MM 0.650 THREE SPAN STEEL BEAM CONCRETE CIP, LENGTH 202' (COLD PLANE 1" THEN OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 126 MM 1.221 CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 126A MM 1.630 6'10" X 6.75' MULTIPLATE ARCH CATTLE PASS (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 127 MM 3.652 112" X 75" MULTIPLATE PIPE ARCH (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 127A MM 3.836 6'10" X 6.75" MULTIPLATE ARCH (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)

7. IT IS EXPECTED THAT SOME SPOT LEVELING WILL BE NECESSARY AS DIRECTED BY THE ENGINEER PRIOR TO THE PLACEMENT OF THE WEARING COURSE. ESTIMATED QUANTITIES OF ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AND ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH) HAVE BEEN INCLUDED FOR THIS PURPOSE. AT A MINIMUM LEVELING WILL BE NEEDED IN THE FOLLOWING LOCATIONS IN BOTH LANES: BRANDON MM 5.975 - MM 7.423, LEICESTER MM 0.000 - MM 0.028 AND MM 2.167 - MM 2.530, AND MIDDLEBURY MM 2.200 - MM 4.264.

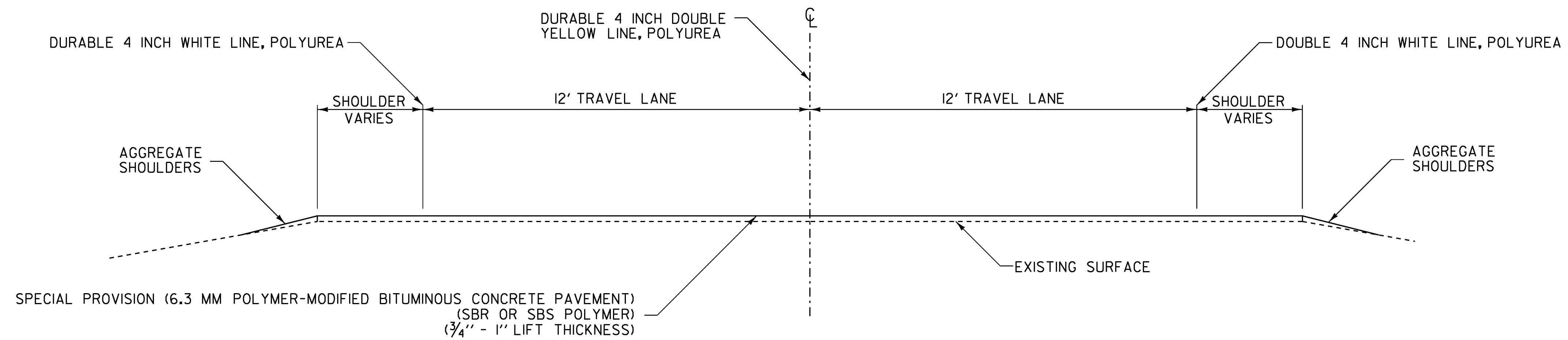
8. SEE SHEET 25 REGARDING APPLICATION OF ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT).

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF (43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
PROJECT NOTES:	
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	3 OF 28



**US ROUTE 7 TYPICAL SECTION ALTERNATE A**  
**MM 4.447 (BRANDON) – MM 4.264 (MIDDLEBURY)**

**NOT TO SCALE**

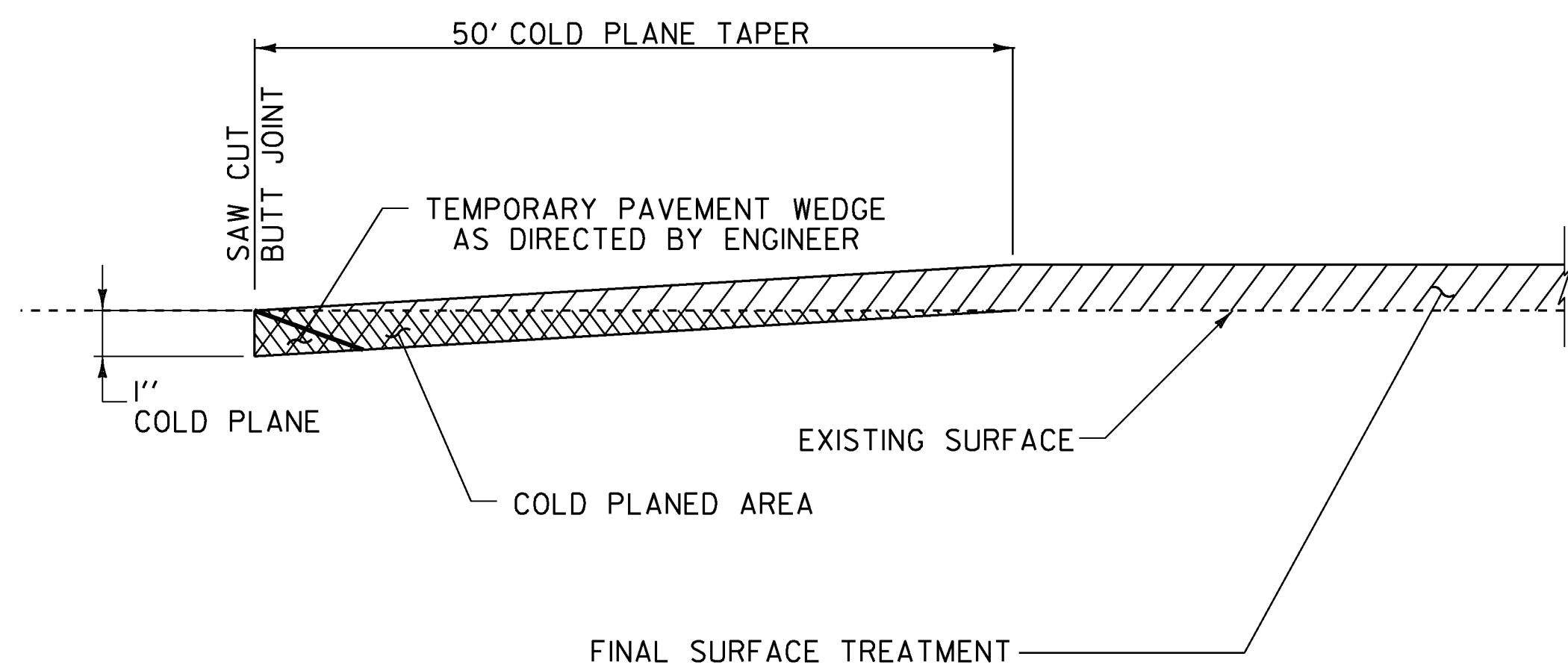


**US ROUTE 7 TYPICAL SECTION ALTERNATE B**  
**MM 4.447 (BRANDON) – MM 4.264 (MIDDLEBURY)**

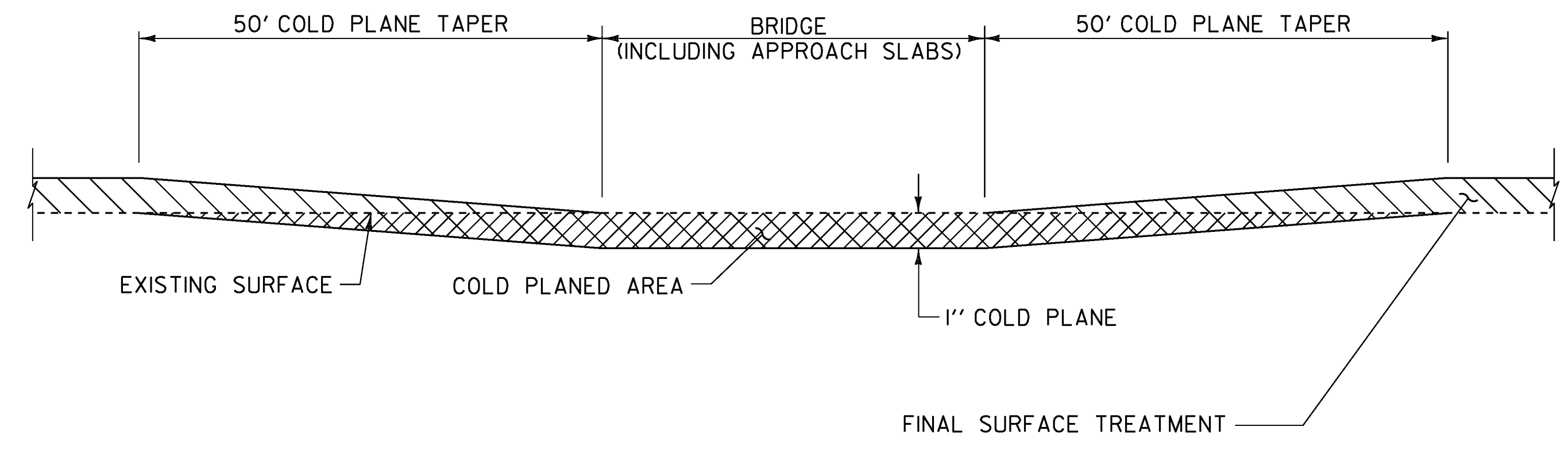
NOTES:  
 1. PRIOR TO THE PLACEMENT OF THE POLYMER MODIFIED SURFACE TREATMENT, EMULSIFIED ASPHALT SHALL BE APPLIED TO ALL EXISTING PAVEMENT SURFACES AND ON ALL COLD PLANED SURFACES AT A RATE OF 0.080 GAL/SY (+/- 0.01GAL/SY) OR AS DIRECTED BY THE RESIDENT ENGINEER. EMULSIFIED ASPHALT SHALL BE RS-IH OR CRS-IH PER THE MANUFACTURER'S RECOMMENDATION AND PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH).

**NOT TO SCALE**

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PROJECT NUMBER:	NH SURF (43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
TYPICAL SECTIONS	
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	4 OF 28

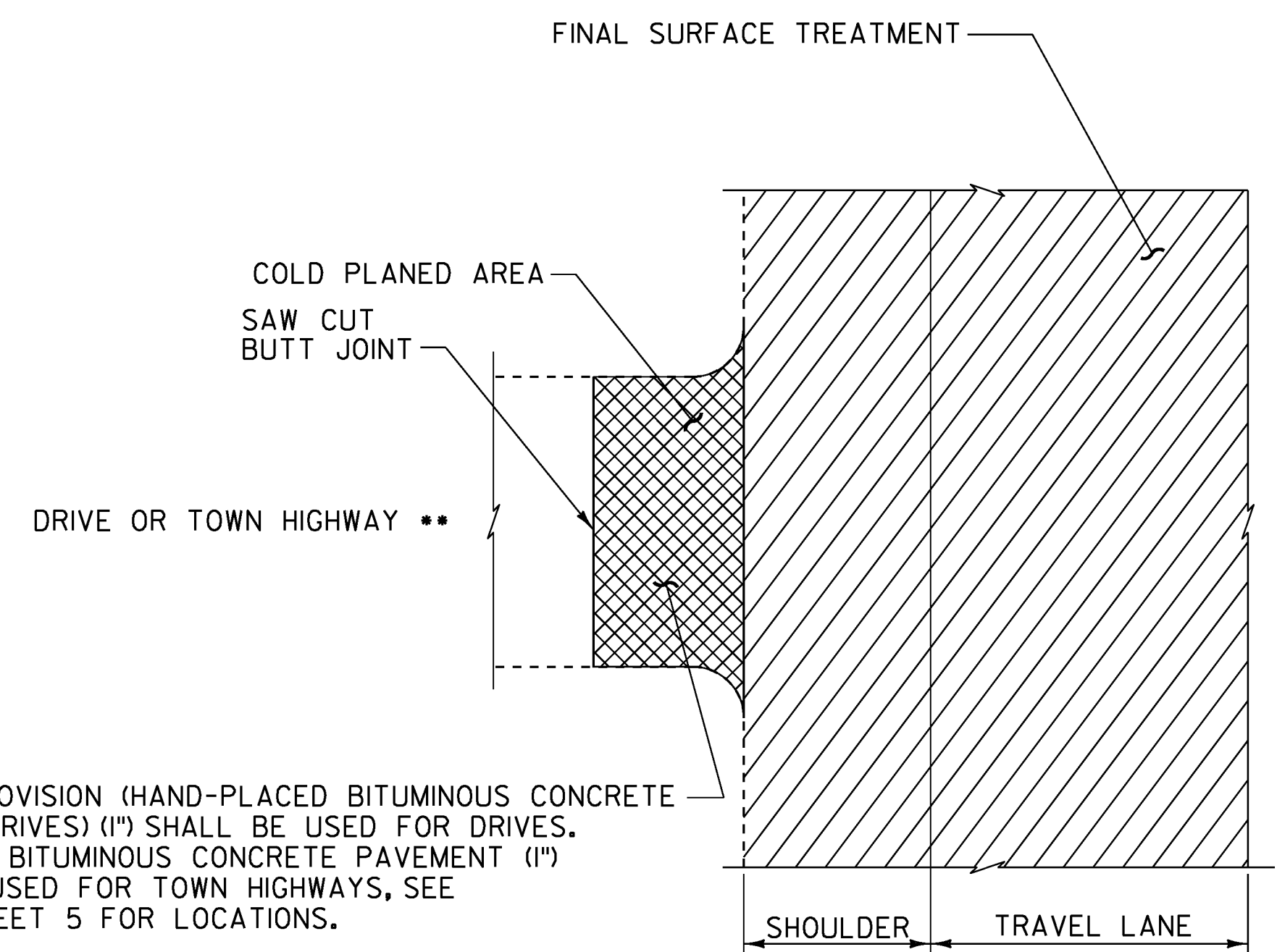


**COLD PLANE DETAIL AT BEGINEND PROJECT**

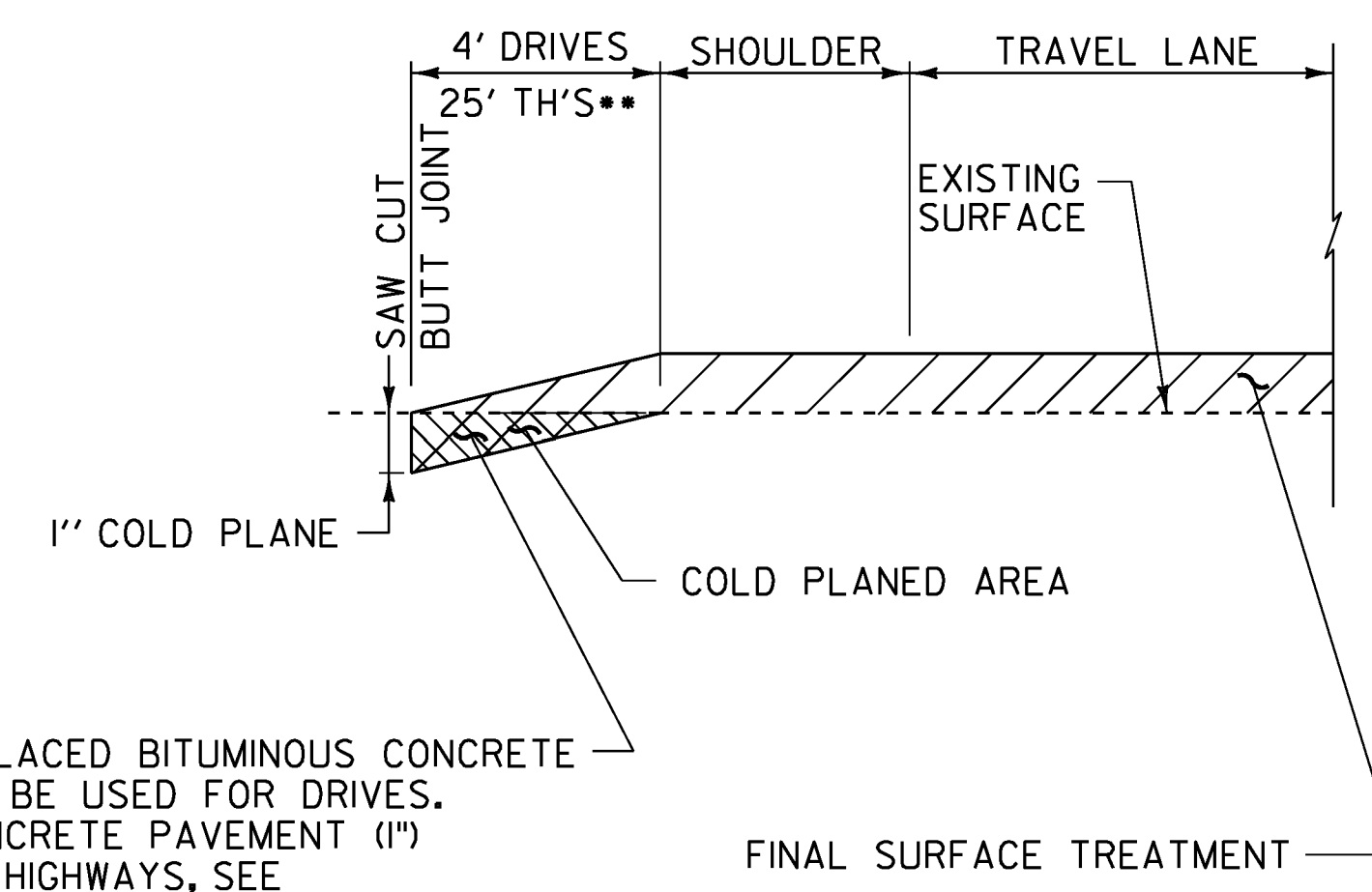


**BRIDGE COLD PLANE DETAIL**

- NOTES:
1. ALL NEW JOINTS TO BE PAID FOR UNDER CONTRACT ITEM 516.10.
  2. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGING DRAINAGE STRUCTURES AND EXPANSION JOINTS. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE.
  3. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT CURB LINE AND IN THE EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE BRIDGE FEATURES ON A DAILY BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE STATE.
  4. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE ENGINEER SHALL CONTACT THE VTRANS CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE BY THE CONTRACTOR. IF THE CONTRACTOR IS DETERMINED BY THE ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.



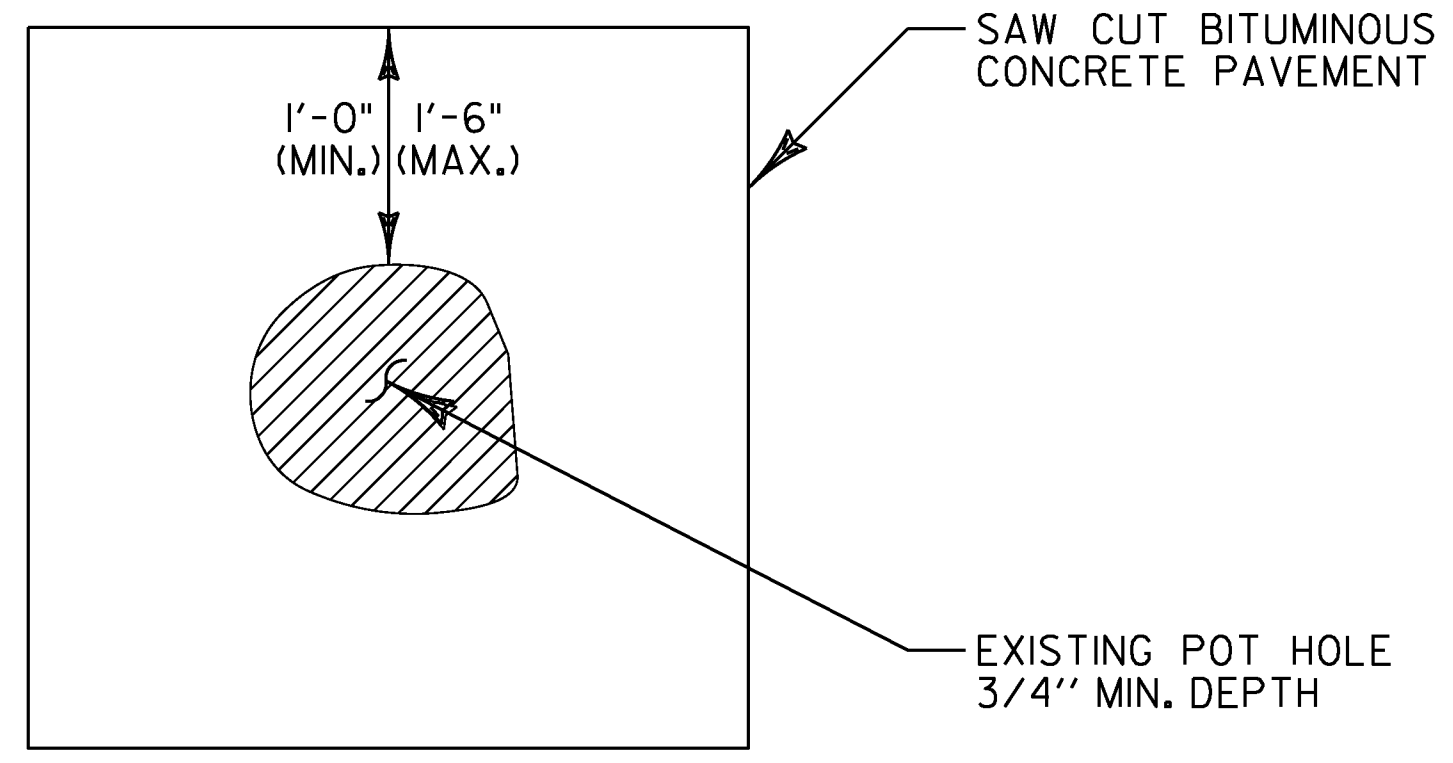
SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) (1") SHALL BE USED FOR DRIVES. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (1") SHALL BE USED FOR TOWN HIGHWAYS, SEE LAYOUT SHEET 5 FOR LOCATIONS.



SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) (1") SHALL BE USED FOR DRIVES. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (1") SHALL BE USED FOR TOWN HIGHWAYS, SEE LAYOUT SHEET 5 FOR LOCATIONS.

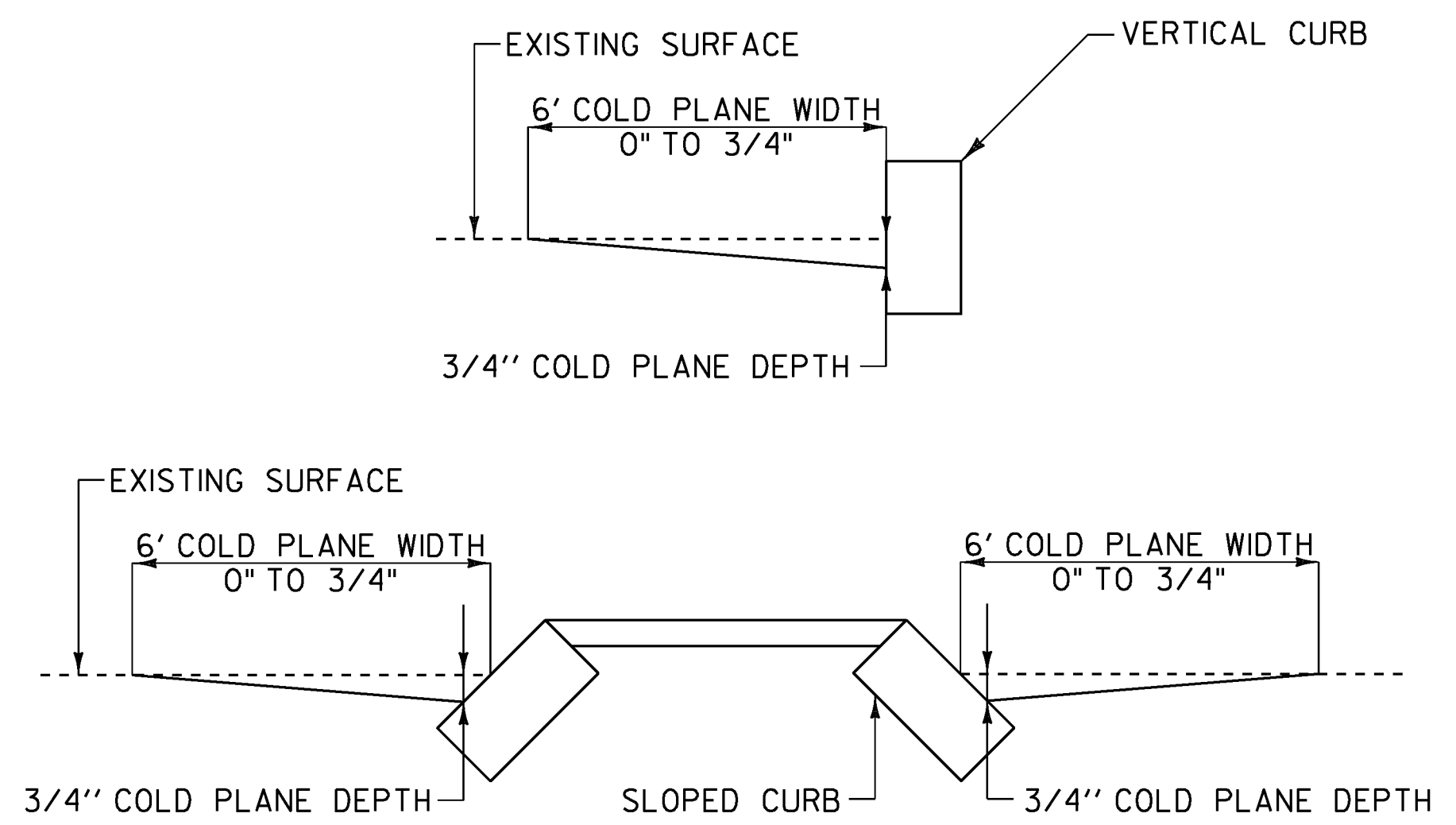
**COLD PLANE DETAILS AT DRIVES & TOWN HIGHWAYS**

** TOWN HIGHWAYS SHALL BE COLD PLANED BACK 25 FEET UNLESS SHOWN OTHERWISE ON THE PLANS.



**TYPICAL - POT HOLE REPAIR**

NOTE:  
EMULSIFIED ASPHALT SHALL BE APPLIED AT ALL PATCH INTERFACES AT A RATE OF 0.25 - 0.50 GAL/SY. EMULSIFIED ASPHALT SHALL MEET THE REQUIREMENTS OF SECTION 404 AND WILL BE CONSIDERED INCIDENTAL TO THE PATCHING MATERIAL.



**CURB AND ISLAND COLD PLANE DETAIL**

NOTE:  
COLD PLANE A SIX FOOT WIDTH ALONG CURB AND AROUND ISLANDS TAPERING FROM 0\"/>

**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6-Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
PROJECT COLD PLANE DETAILS	
PL0T DATE:	10-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	5 OF 28

# QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
						ROADWAY	BRIDGE	FULL E&C ITEMS	ROADWAY (ALTERNATE A)	ROADWAY (ALTERNATE B)	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
						17700					17700		LF	SHOULDER BERM REMOVAL	203.40	EST			
						1					1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST			COLD PLANING, BITUMINOUS PAVEMENT
						15650					15650		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	223	222 SY		BEGIN PROJECT APPROACH
						40745					40745		LF	MILLED RUMBLE STRIPS	213.10	EST	244 SY		END PROJECT APPROACH
						1400					1400		TON	AGGREGATE SHOULDERS	402.12	EST	786 SY		LEICESTER BRIDGE #120 AND APPROACHES
						1					1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-	1,013 SY		MIDDLEBURY BRIDGE #125 AND APPROACHES
						37930					37930		LB	BITUMINOUS CRACK SEALING, "BLOW AND GO" METHOD (AASHTO M 324 (ASTM D 6690) TYPE II)	417.20	EST	13,162 SY		TOWN HIGHWAYS, DRIVES, STATE ROUTES, SIDELINES, ISLANDS, CURB AND ETC.
						2980					2980		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	51	15,427 SY		SUBTOTAL
						1					1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-	223 SY		ROUNDING
							72				72		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG (@FINGER PLATE/VERMONT JOINT)	516.10	-	15,650 SY		TOTAL
							240				240		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	-			SUPEPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IVS)
							100				100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST	525 TON		TOWN HIGHWAYS, SIDELINES AND VT ROUTE 125
						80					80		HR	POWER BROOM RENTAL, TYPE I	608.30	EST	2404 TON		SPOT LEVELING
						200					200		HR	POWER BROOM RENTAL, TYPE II	608.31	EST	51 TON		ROUND
						200					200		HR	TRUCK RENTAL	608.37	EST			
						625					625		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST			
						3000					3000		HR	FLAGGERS	630.15	EST			2980 TON
								1			1		LS	FIELD OFFICE, ENGINEERS	631.10	-			TOTAL
								1			1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
								3000			3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-			
						1					1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
						1					1		LS	TRAFFIC CONTROL	641.10	-			
						5					5		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
						165100					165100		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	EST			
						164700					164700		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	EST			
						1550					1550		LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	EST			
						3650					3650		LF	DURABLE 8 INCH YELLOW LINE, POLYUREA	646.454	EST			
														BEGIN OPTION AA					
						650					650		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	EST			
						650					650		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	EST			
														END OPTION AA					
														BEGIN OPTION BB					
						232					232		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
						232					232		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-			
														END OPTION BB					
														BEGIN OPTION CC					
						250					250		LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	EST			
						250					250		LF	DURABLE CROSSWALK MARKING, POLYUREA	646.504	EST			
														END OPTION CC					
						165100					165100		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST			

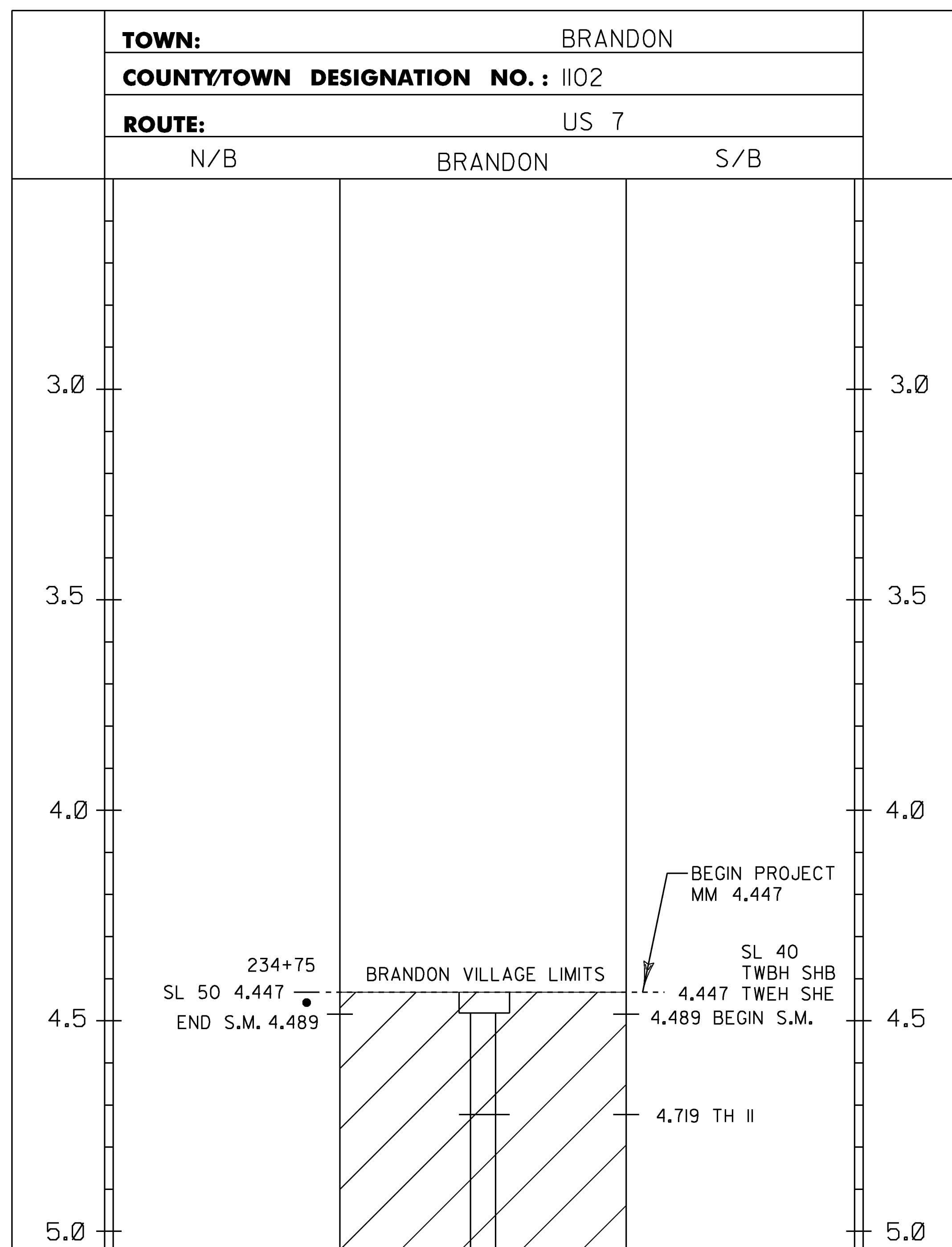
PROJECT NAME: BRANDON - MIDDLEBURY  
PROJECT NUMBER: NH SURF(43)

FILE NAME: pi3B6i6_Brandon-Middlebury.dgn PLOT DATE: 02-JUN-2014  
PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
QUANTITY SHEET 1 SHEET 6 OF 28

# QUANTITY SHEET 2

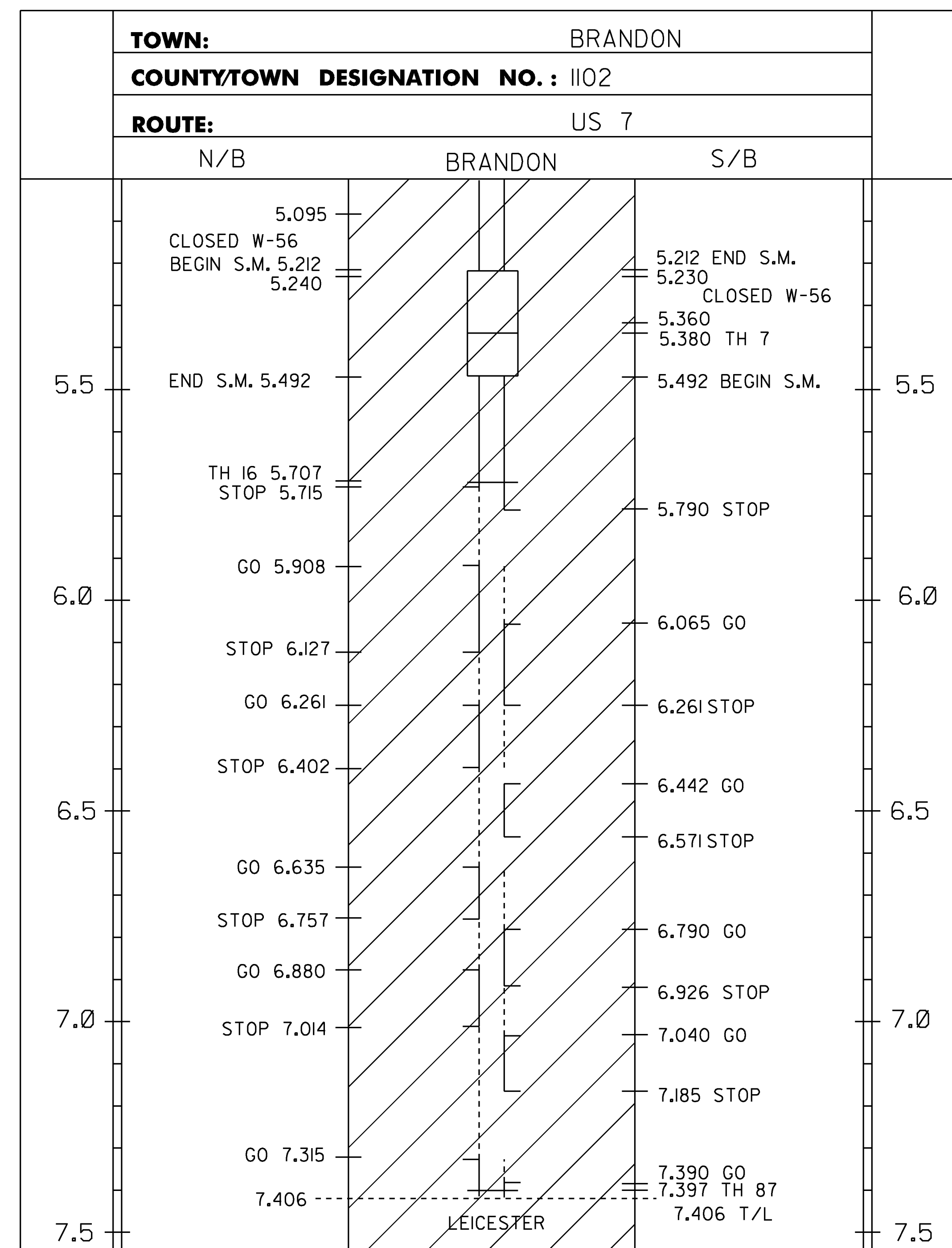
SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
						ROADWAY	BRIDGE	FULL E&C ITEMS	ROADWAY (ALTERNATE A)	ROADWAY (ALTERNATE B)	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
						164700					164700		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST			
						1550					1550		LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	EST			
						3650					3650		LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	EST			
						650					650		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST			
						232					232		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
						250					250		LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	EST			
						6008					6008		EACH	LINE STRIPING TARGETS	646.76	EST			
						1450					1450		LF	PAINTED CURB	646.81	EST			
						188800					188800		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	EST			
						1					1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
						1					1		EACH	SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN)(US ROUTE 7 @ CENTER PLAZA)	900.620	-			
						1					1		EACH	SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN)(US ROUTE 7 @ MIDDLE RD.)	900.620	-			
						1					1		EACH	SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM)(US ROUTE 7 @ CENTER PLAZA)	900.620	-			
						1					1		EACH	SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM)(US ROUTE 7 @ MIDDLE RD.)	900.620	-			
						4125					4125		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	EST			
						150					150		TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680	EST			
						500					500		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-1H OR CRS-1H)	900.683	26			
						120					120		CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	6			
														BEGIN ALTERNATE ZA1					
									371000		371000		SY	SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)	900.675	1682			
														END ALTERNATE ZA1					
														BEGIN ALTERNATE ZA2					
													LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-			
										21700	21700		TON	SPECIAL PROVISION (6.3 MM POLYMER-MODIFIED BITUMINOUS CONCRETE PAVEMENT)(SBR OR SBS POLYMER)	900.680	165			
										2600	2600		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-1H OR CRS-1H)	900.683	115			
														END ALTERNATE ZA2					

PROJECT NAME: BRANDON - MIDDLEBURY  
PROJECT NUMBER: NH SURF(43)  
FILE NAME: pi3B6i6_Brandon-Middlebury.dgn PLOT DATE: 20-JUN-2014  
PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
QUANTITY SHEET 2 SHEET 7 OF 28

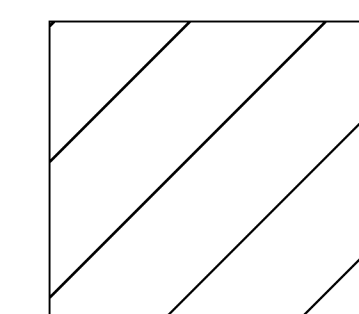


**DURABLE 4 INCH WHITE LINE, POLYUREA**  
MM 4.447 - MM 7.406 LT & RT  
(WITH BREAKS OR RADII AT TOWN HIGHWAYS)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
MM 4.447 - MM 5.715 SOLID LT & RT  
MM 5.715 - MM 5.790 SOLID LT & DASHED RT  
MM 5.790 - MM 5.908 DASHED RT  
MM 5.908 - MM 6.065 DASHED LT & SOLID RT  
MM 6.065 - MM 6.127 SOLID LT & RT  
MM 6.127 - MM 6.261 DASHED RT & SOLID LT  
MM 6.261 - MM 6.402 DASHED LT & SOLID RT  
MM 6.402 - MM 6.442 DASHED RT  
MM 6.442 - MM 6.571 SOLID LT & DASHED RT  
MM 6.571 - MM 6.635 DASHED RT  
MM 6.635 - MM 6.757 DASHED LT & SOLID RT  
MM 6.757 - MM 6.790 DASHED LT & RT  
MM 6.790 - MM 6.880 SOLID LT & DASHED RT  
MM 6.880 - MM 6.926 SOLID LT & RT  
MM 6.926 - MM 7.014 DASHED LT & SOLID RT  
MM 7.014 - MM 7.040 DASHED LT & RT  
MM 7.040 - MM 7.185 SOLID LT & DASHED RT  
MM 7.185 - MM 7.315 DASHED RT  
MM 7.315 - MM 7.390 DASHED LT & SOLID RT  
MM 7.390 - MM 7.406 SOLID LT & RT  
(WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)



**LEGEND**  
TWBH-THROUGHWAY BEGINS HERE  
TWEH-THROUGHWAY ENDS HERE  
SHB-STATE HIGHWAY BEGINS  
SHE-STATE HIGHWAY ENDS  
SL-SPEED LIMIT  
SM-SPECIAL MARKINGS  
T/L-TOWN LINE

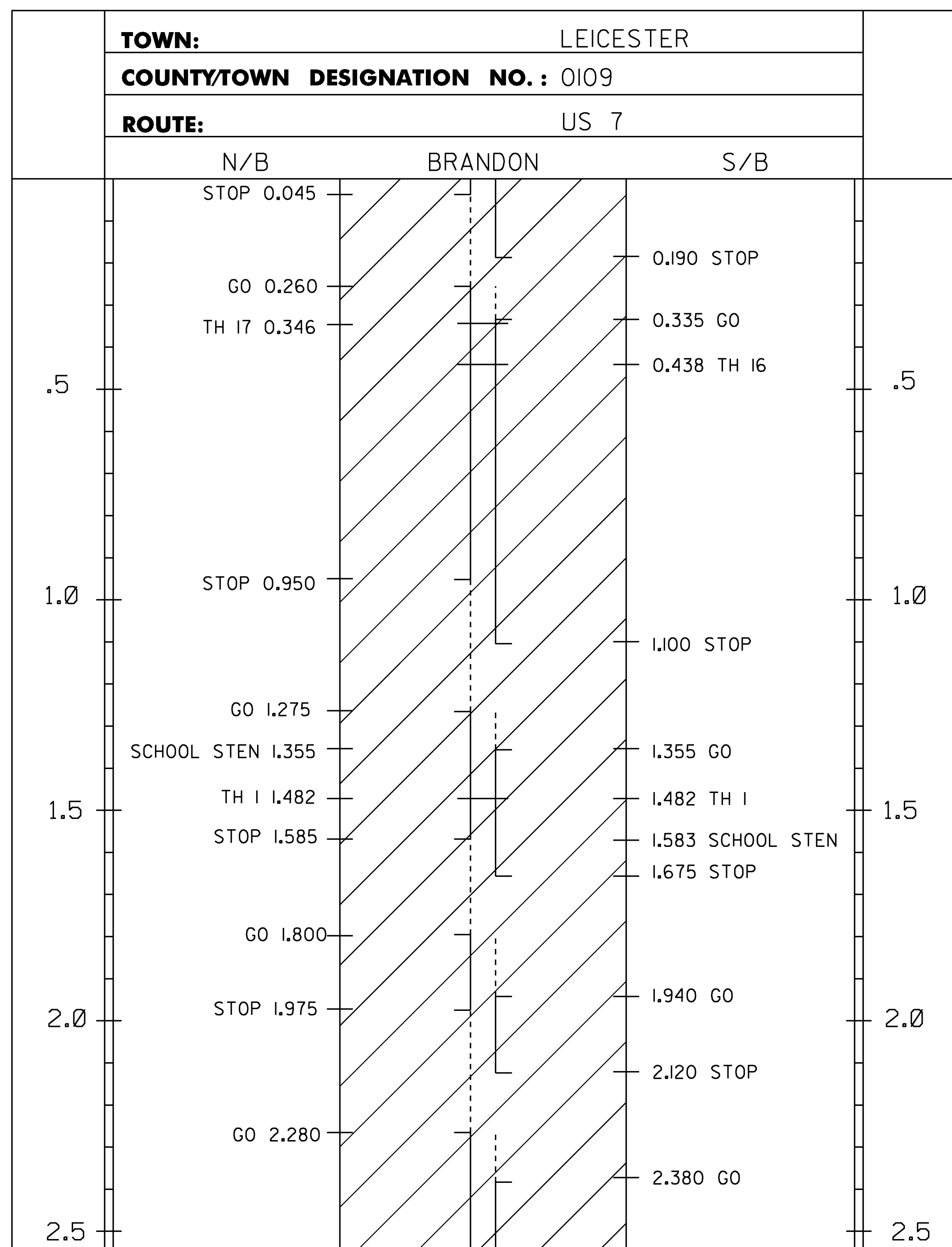


PROJECT AREA

**NOTES:**  
1. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

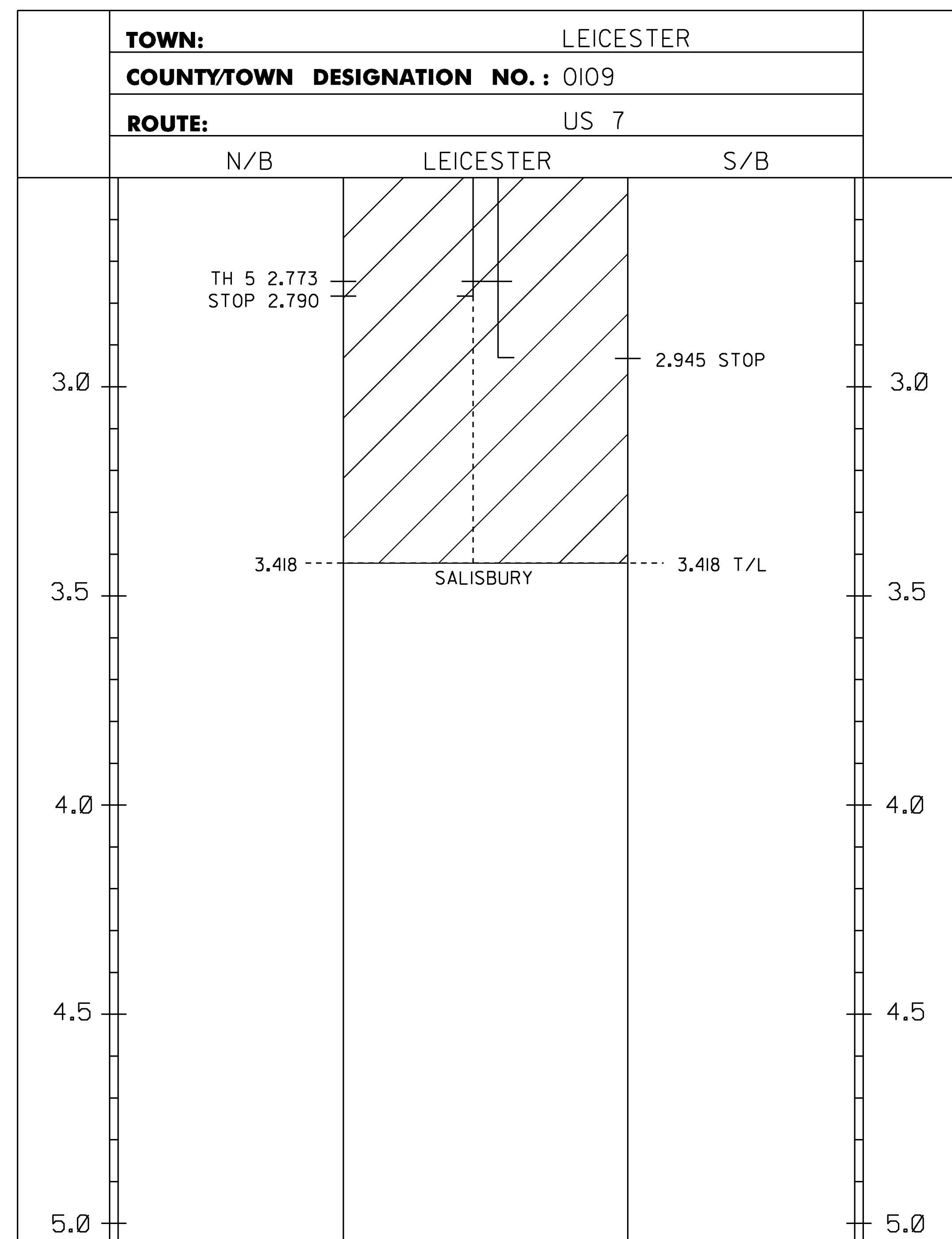
**NOT TO SCALE**

<b>PROJECT NAME:</b> BRANDON - MIDDLEBURY	
<b>PROJECT NUMBER:</b> NH SURF(43)	
<b>FILE NAME:</b> pl3B616_Brandon-Middlebury.dgn	<b>PLOT DATE:</b> 02-JUN-2014
<b>PROJECT LEADER:</b> M. FOWLER	<b>DRAWN BY:</b> N. PAPPAS
<b>DESIGNED BY:</b> N. PAPPAS	<b>CHECKED BY:</b> M. FOWLER
<b>LAYOUT SHEET 1</b>	<b>SHEET 8 OF 28</b>

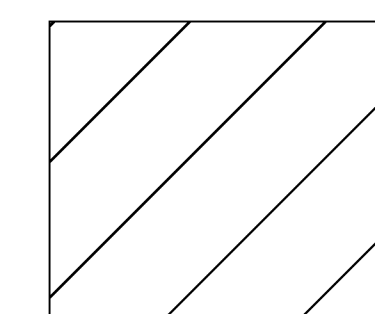


**DURABLE 4 INCH WHITE LINE, POLYUREA**  
MM 0.000 - MM 3.418 LT & RT  
(WITH BREAKS OR RADII AT TOWN HIGHWAYS)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
MM 0.000 - MM 0.045 SOLID LT & RT  
MM 0.045 - 0.190 MM SOLID LT & DASHED RT  
MM 0.190 - MM 0.260 DASHED RT  
MM 0.260 - MM 0.335 DASHED LT & SOLID RT  
MM 0.335 - MM 0.950 SOLID LT & RT  
MM 0.950 - MM 1.100 SOLID LT & DASHED RT  
MM 1.100 - MM 1.275 DASHED RT  
MM 1.275 - MM 1.335 DASHED LT & SOLID RT  
MM 1.335 - MM 1.585 SOLID LT & RT  
MM 1.585 - MM 1.675 SOLID LT & DASHED RT  
MM 1.675 - MM 1.800 DASHED RT  
MM 1.800 - MM 1.940 DASHED LT & SOLID RT  
MM 1.940 - MM 1.975 SOLID LT & RT  
MM 1.975 - MM 2.120 SOLID LT & DASHED RT  
MM 2.120 - MM 2.280 DASHED RT  
MM 2.280 - MM 2.380 DASHED LT & SOLID RT  
MM 2.380 - MM 2.790 SOLID LT & RT  
MM 2.790 - MM 2.945 SOLID LT & DASHED RT  
MM 2.945 - MM 3.418 DASHED RT  
(WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)



**LEGEND**  
TWBH-THROUGHWAY BEGINS HERE  
TWEH-THROUGHWAY ENDS HERE  
SHB-STATE HIGHWAY BEGINS  
SHE-STATE HIGHWAY ENDS  
SL-SPEED LIMIT  
T/L-TOWN LINE

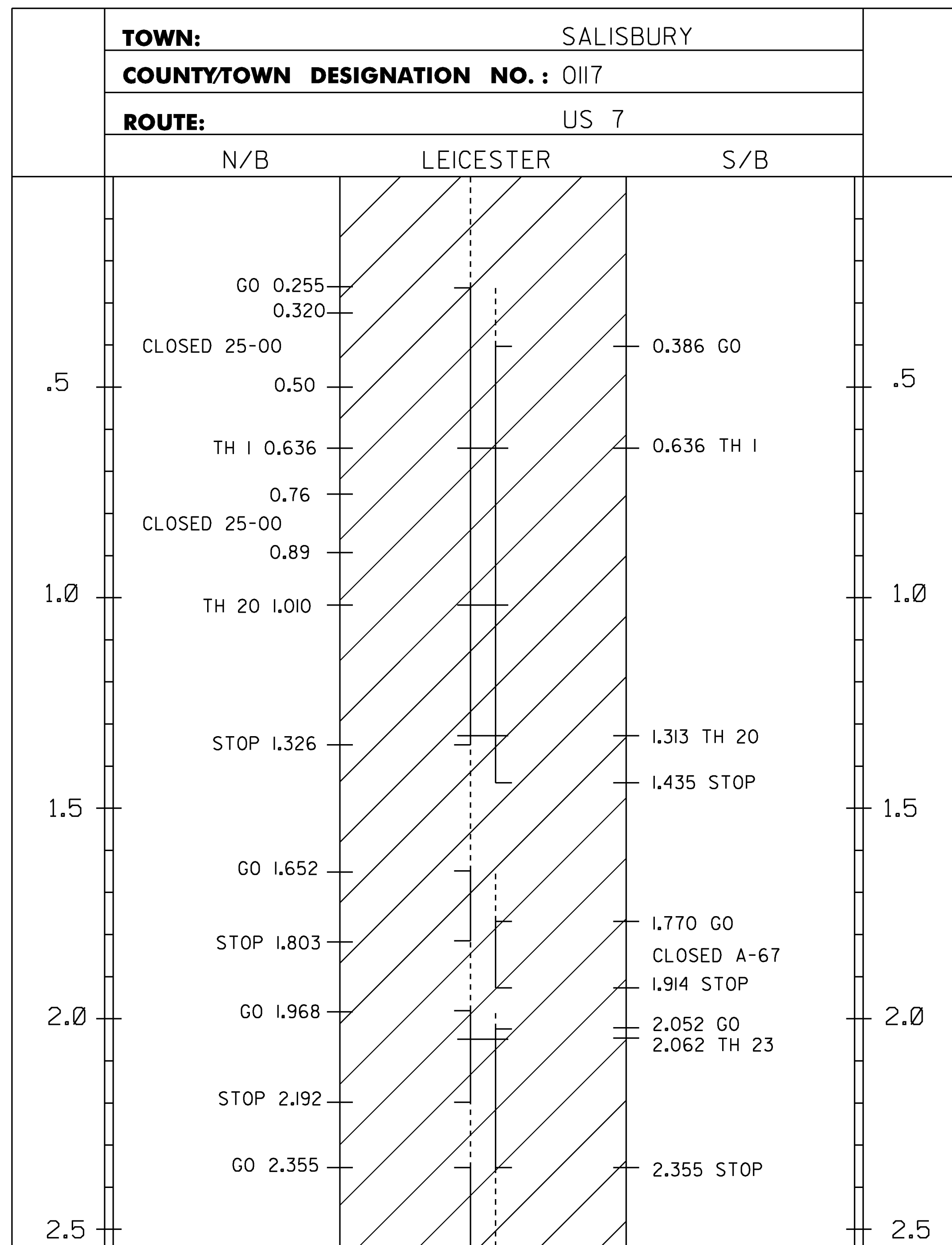


PROJECT AREA

**NOTES:**  
1. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

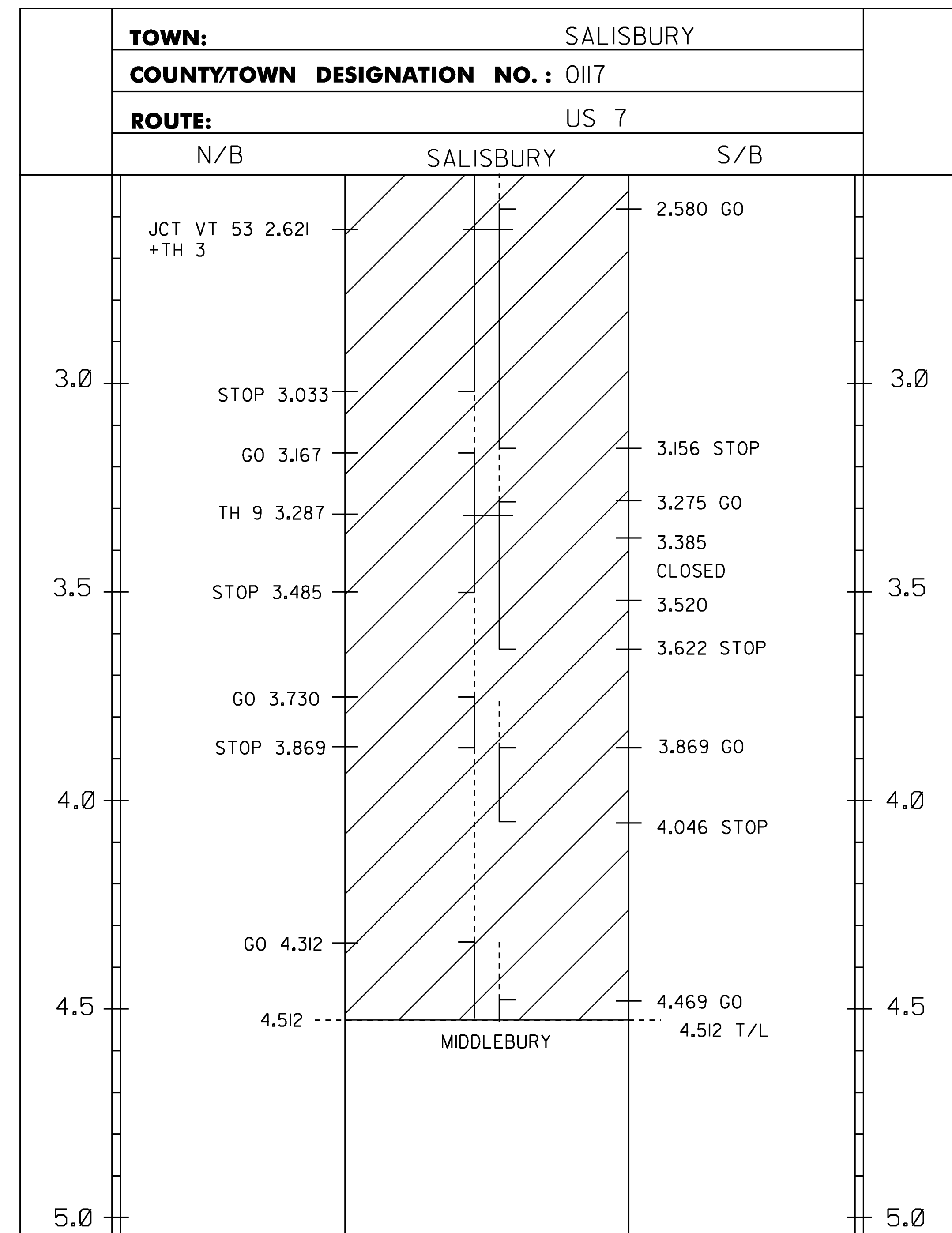
**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
LAYOUT SHEET 2	
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET 9	OF 28

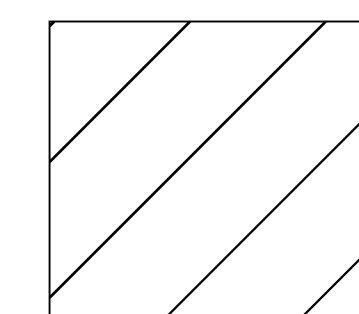


**DURABLE 4 INCH WHITE LINE, POLYUREA**  
 MM 0.000 - MM 4.512 LT & RT  
 (WITH BREAKS OR RADII AT TOWN HIGHWAYS)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
 MM 0.000 - MM 0.255 DASHED RT  
 MM 0.255 - MM 0.386 DASHED LT & SOLID RT  
 MM 0.386 - MM 1.326 SOLID LT & RT  
 MM 1.326 - MM 1.435 SOLID LT & DASHED RT  
 MM 1.435 - MM 1.652 DASHED RT  
 MM 1.652 - MM 1.770 DASHED LT & SOLID RT  
 MM 1.770 - MM 1.803 SOLID LT & RT  
 MM 1.803 - MM 1.914 SOLID LT & DASHED RT  
 MM 1.914 - MM 1.968 DASHED RT  
 MM 1.968 - MM 2.052 DASHED LT & SOLID RT  
 MM 2.052 - MM 2.192 SOLID LT & RT  
 MM 2.192 - MM 2.355 SOLID LT & DASHED RT  
 MM 2.355 - MM 2.580 DASHED LT & SOLID RT  
 MM 2.580 - MM 3.033 SOLID LT & RT  
 MM 3.033 - MM 3.156 SOLID LT & DASHED RT  
 MM 3.156 - MM 3.167 DASHED LT & RT  
 MM 3.167 - MM 3.275 DASHED LT & SOLID RT  
 MM 3.275 - MM 3.485 SOLID LT & RT  
 MM 3.485 - MM 3.622 SOLID LT & DASHED RT  
 MM 3.622 - MM 3.730 DASHED RT  
 MM 3.730 - MM 3.869 DASHED LT & SOLID RT  
 MM 3.869 - MM 4.046 SOLID LT & DASHED RT  
 MM 4.046 - MM 4.312 DASHED RT  
 MM 4.312 - MM 4.469 DASHED LT & SOLID RT  
 MM 4.469 - MM 4.512 SOLID LT & RT  
 (WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)



**LEGEND**  
 TWBH-THROUGHWAY BEGINS HERE  
 TWEH-THROUGHWAY ENDS HERE  
 SHB-STATE HIGHWAY BEGINS  
 SHE-STATE HIGHWAY ENDS  
 SL-SPEED LIMIT  
 T/L-TOWN LINE

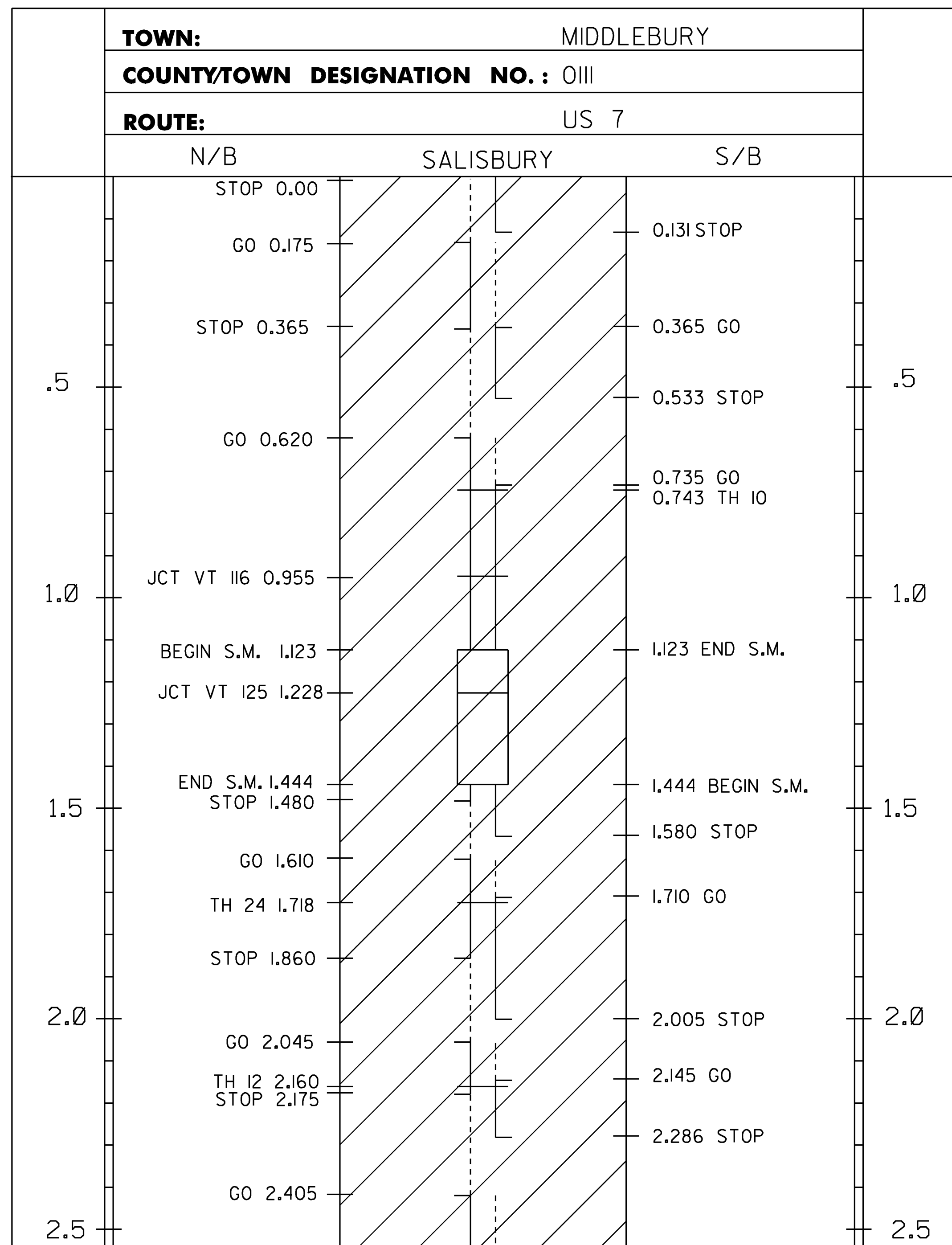


PROJECT AREA

**NOTES:**  
 1. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
 THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
 AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

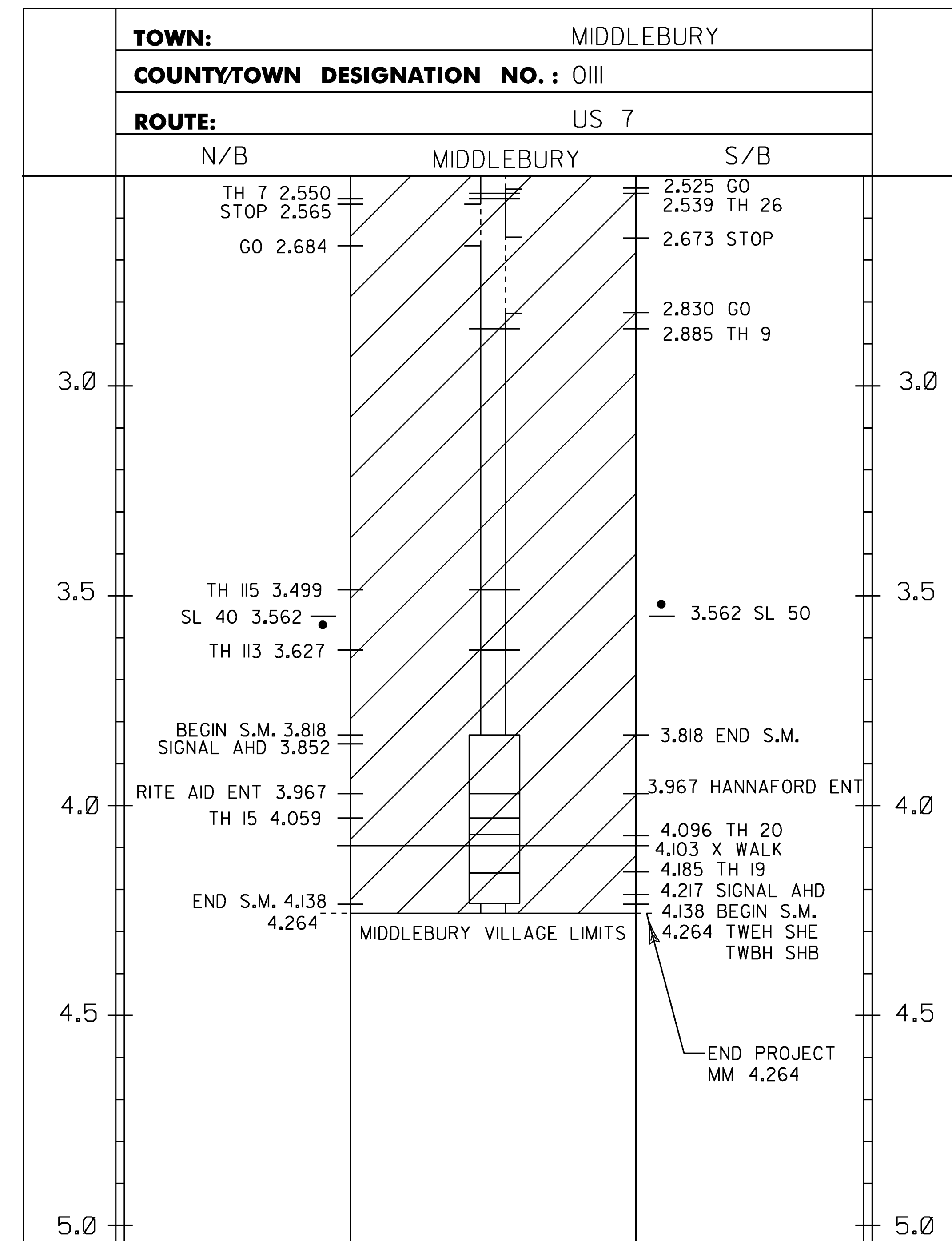
**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
LAYOUT SHEET	3
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	10 OF 28

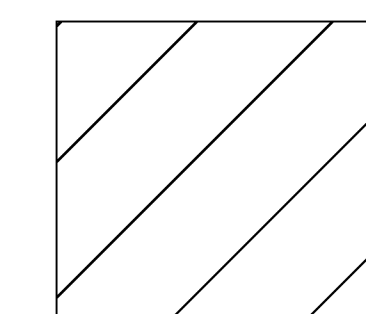


DURABLE 4 INCH WHITE LINE, POLYUREA  
MM 0.000 - MM 4.264 LT & RT  
(WITH BREAKS OR RADII AT TOWN HIGHWAYS)

DURABLE 4 INCH YELLOW LINE, POLYUREA  
MM 0.000 - MM 0.131 SOLID LT & DASHED RT  
MM 1.131 - MM 0.175 DASHED RT  
MM 0.175 - MM 0.365 LT & SOLID RT  
MM 0.365 - MM 0.533 SOLID LT & DASHED RT  
MM 0.533 - MM 0.620 DASHED RT  
MM 0.620 - MM 0.735 DASHED LT & SOLID RT  
MM 0.735 - MM 1.480 SOLID LT & RT  
MM 1.480 - MM 1.580 SOLID LT & DASHED RT  
MM 1.580 - MM 1.610 DASHED RT  
MM 1.610 - MM 1.710 DASHED LT & SOLID RT  
MM 1.710 - MM 1.860 SOLID LT & RT  
MM 1.860 - MM 2.005 SOLID LT & DASHED RT  
MM 2.005 - MM 2.045 DASHED RT  
MM 2.045 - MM 2.145 DASHED LT & SOLID RT  
MM 2.145 - MM 2.175 SOLID LT & RT  
MM 2.175 - MM 2.286 SOLID LT & DASHED RT  
MM 2.286 - MM 2.405 DASHED RT  
MM 2.405 - MM 2.525 DASHED LT & SOLID RT  
MM 2.525 - MM 2.565 SOLID LT & RT  
MM 2.565 - MM 2.673 SOLID LT & DASHED RT  
MM 2.673 - MM 2.684 DASHED LT & RT  
MM 2.684 - MM 2.830 DASHED LT & SOLID RT  
MM 2.830 - MM 4.264 SOLID LT & RT  
(WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)



**LEGEND**  
TWBH-THROUGHWAY BEGINS HERE  
TWEH-THROUGHWAY ENDS HERE  
SHB-STATE HIGHWAY BEGINS  
SHE-STATE HIGHWAY ENDS  
SL-SPEED LIMIT  
T/L-TOWN LINE  
SM-SPECIAL MARKINGS



PROJECT AREA

NOTES:  
1. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
LAYOUT SHEET	4
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	II
OF	28

TOWN/STATE HIGHWAY NAME	LOCATION MM	MAINLINE CENTERLINE BREAK	MAINLINE EDGE LINE BREAK	TH OR SIDELINE CENTERLINE	TH OR SIDELINE EDGE LINE	TH OR SIDELINE STOP BAR	TH OR SIDELINE STOP BAR LETTERS
BRANDON							
TH #11 STEINBERG RD	4.719 LT	YES	YES	YES	YES	YES	YES
TH #7 ARNOLD DIST. RD	5.373 LT	YES	YES	YES	YES	YES	YES
TH #16 LOVERS LANE	5.707 RT	YES	YES	NO	NO	NO	NO
TH #87 TOWN LINE RD	7.397 LT	YES	YES	YES	YES	YES	YES
LEICESTER							
TH #17 FERSON RD	0.346 RT	YES	YES	YES	YES	YES	YES
TH #16 CRAM RD	0.438 LT	YES	YES	NO	NO	NO	NO
TH #1 WHITING RD	1.482 RT	YES	YES	YES	YES	YES	YES
TH #2 FERN LAKE RD	1.482 LT	YES	YES	YES	YES	YES	YES
TH #5 MAPLE ST	2.757 RT	YES	YES	YES	YES	YES	YES
SALISBURY							
TH #1 W. SALISBURY RD	0.636 LT	YES	YES	YES	YES	YES	YES
TH #1 W. SALISBURY RD	0.636 RT	YES	YES	YES	YES	YES	YES
TH #20 MAPLE ST	1.002 RT	YES	YES	YES	YES	YES	YES
TH #23 HOLMAN RD	1.313 LT	YES	YES	YES	YES	YES	YES
TH #23 HOLMAN RD	2.062 LT	YES	YES	YES	YES	YES	YES
TH #3 VT 53 LAKE DUNMORE RD	2.621 RT	YES	YES	YES	YES	YES	YES
TH #9 PLAINS RD	3.287 RT	YES	YES	YES	YES	YES	YES
MIDDLEBURY							
TH #10 3 MILE BRIDGE RD	0.743 LT	YES	YES	YES	YES	YES	YES
VT 116	0.955 RT	YES	YES	YES	YES	YES	YES
VT 125	1.288 RT	YES	YES	YES	YES	YES	YES
TH #24 FOOTE ST	1.718 RT	YES	YES	YES	YES	YES	YES
TH #12 CODY CROSS RD	2.160 RT	YES	YES	YES	YES	YES	YES
TH #26 MIDDLE ROAD SOUTH	2.539 LT	YES	YES	YES	YES	YES	YES
TH #7 FOOTE ST	2.550 RT	YES	YES	YES	YES	YES	YES
TH #9 HALLADAY HILL RD	2.885 LT	YES	YES	YES	YES	YES	YES
TH #115 WILSON RD	3.499 RT	YES	YES	YES	YES	YES	YES
TH #113 BOARDMAN RD	3.627 RT	YES	YES	YES	YES	YES	YES
SIGNAL AT HANNAFORDS	3.972 LT	YES	YES	YES	YES	NO	NO
SIGNAL RITE AID PHARMACY	3.972 RT	YES	YES	YES	YES	NO	NO
TH #15 ROGERS RD	4.045 RT	NO	YES	YES	YES	YES	YES
TH #20 MIDDLE RD	4.083 LT	YES	YES	YES	YES	YES	NO
S. VILLAGE GREEN	4.176 LT	YES	YES	YES	YES	YES	YES

PROJECT NAME: BRANDON - MIDDLEBURY  
PROJECT NUMBER: NH SURF(43)

FILE NAME: p13B616_Brandon-Middlebury.dgn PLOT DATE: 02-JUN-2014  
PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
LAYOUT SHEET 5 SHEET 12 OF 28

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

BRANDON:  
MM 5.210 - MM 5.505 LT & RT  
MM 5.308 - MM 5.339 DOTTED LINE 11' RT  
MM 5.339 - MM 5.376 LANE LINE 11' RT  
MM 5.382 - MM 5.466 LANE LINE 12' LT  
MM 5.466 - MM 5.499 DOTTED LINE 12' LT

**DURABLE 4 INCH WHITE LINE, POLYUREA**  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

BRANDON:  
MM 5.210 - MM 5.505 LT & RT  
MM 5.308 - MM 5.339 DOTTED LINE 11' RT  
MM 5.339 - MM 5.376 LANE LINE 11' RT  
MM 5.382 - MM 5.466 LANE LINE 12' LT  
MM 5.466 - MM 5.499 DOTTED LINE 12' LT

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

BRANDON:  
MM 5.210 - MM 5.212 LT C RT S - S  
MM 5.339 - MM 5.376 S - S  
MM 5.492 - MM 5.505 S - S  
MM 5.212 - MM 5.339 DOUBLE SOLID LINE C/L & RT (MEDIAN TAPER)  
MM 5.380 DOUBLE SOLID LT, T-7  
MM 5.384 - MM 5.492 DOUBLE SOLID LINE C/L & RT (MEDIAN TAPER)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

BRANDON:  
MM 5.210 - MM 5.212 LT C RT S - S  
MM 5.339 - MM 5.376 S - S  
MM 5.492 - MM 5.505 S - S  
MM 5.212 - MM 5.339 DOUBLE SOLID LINE C/L & RT (MEDIAN TAPER)  
MM 5.380 DOUBLE SOLID LT, T-7  
MM 5.384 - MM 5.492 DOUBLE SOLID LINE C/L & RT (MEDIAN TAPER)

**TEMPORARY 8 INCH YELLOW LINE, PAINT**

BRANDON:  
MM 5.210 - MM 5.339 RT, (DIAGONALS MEDIAN)(377 FT)  
MM 5.384 - MM 5.499 RT, (DIAGONALS MEDIAN)(328 FT)

**DURABLE 8 INCH YELLOW LINE, POLYUREA**

BRANDON:  
MM 5.210 - MM 5.339 RT, (DIAGONALS MEDIAN)(377 FT)  
MM 5.384 - MM 5.499 RT, (DIAGONALS MEDIAN)(328 FT)

**TEMPORARY 24 INCH STOP BAR, PAINT**

BRANDON:  
MM 5.380 LT, T-7

**DURABLE 24 INCH STOP BAR, (OPTION BID ITEM)**

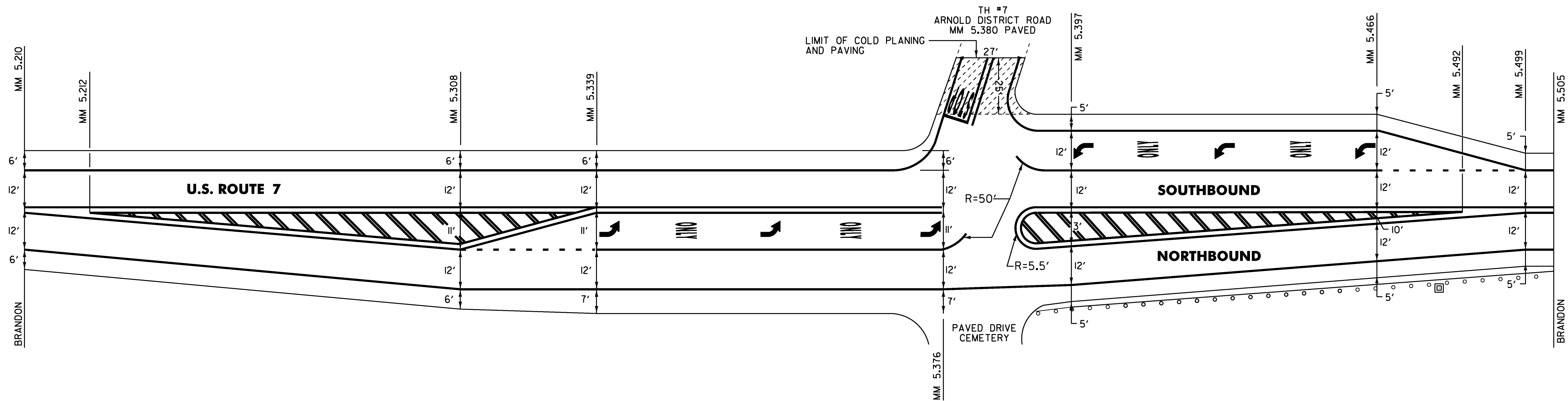
BRANDON:  
MM 5.380 LT, T-7

**TEMPORARY LETTER OR SYMBOL, PAINT**

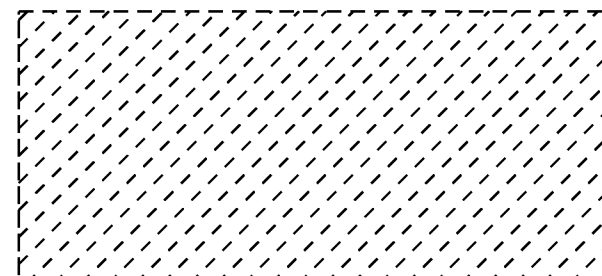
BRANDON:  
MM 5.340 RT, ARROW (1EA)  
MM 5.349 RT, "O,N,L,Y" (4 EA)  
MM 5.358 RT, ARROW (1EA)  
MM 5.367 RT, "O,N,L,Y" (4 EA)  
MM 5.375 RT, ARROW (1EA)  
MM 5.380 LT, T-7 "S,T,O,P" (4 EA)  
MM 5.398 LT, ARROW (1EA)  
MM 5.414 LT, "O,N,L,Y" (4 EA)  
MM 5.431 LT, ARROW (1EA)  
MM 5.448 LT, "O,N,L,Y" (4 EA)  
MM 5.465 LT, ARROW (1EA)

**DURABLE LETTER OR SYMBOL, (OPTION BID ITEM)**

BRANDON:  
MM 5.340 RT, ARROW (1EA)  
MM 5.349 RT, "O,N,L,Y" (4 EA)  
MM 5.358 RT, ARROW (1EA)  
MM 5.367 RT, "O,N,L,Y" (4 EA)  
MM 5.375 RT, ARROW (1EA)  
MM 5.380 LT, T-7 "S,T,O,P" (4 EA)  
MM 5.398 LT, ARROW (1EA)  
MM 5.414 LT, "O,N,L,Y" (4 EA)  
MM 5.431 LT, ARROW (1EA)  
MM 5.448 LT, "O,N,L,Y" (4 EA)  
MM 5.465 LT, ARROW (1EA)



LEGEND: COLD PLANE AREA



**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
LAYOUT SHEET 6	
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET 13	OF 28

TEMPORARY 4 INCH WHITE LINE, PAINT  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

LEICESTER:  
 MM 2.722 - MM 2.809 LT & RT

DURABLE 4 INCH WHITE LINE, PAINT, POLYUREA  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

LEICESTER:  
 MM 2.722 - MM 2.809 LT & RT

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

LEICESTER: LT C RT  
 MM 2.722 - MM 2.789 S - S  
 MM 2.789 - MM 2.809 S - D  
 MM 2.773 DOUBLE SOLID RT, T-5

DURABLE 4 INCH YELLOW LINE, POLYUREA  
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

LEICESTER: LT C RT  
 MM 2.722 - MM 2.789 S - S  
 MM 2.789 - MM 2.809 S - D  
 MM 2.773 DOUBLE SOLID RT, T-5

TEMPORARY 8 INCH WHITE LINE, PAINT

LEICESTER:  
 MM 2.734 - MM 2.771 RT, HATCHED SHOULDER (410 FT)  
 MM 2.779 - MM 2.790 RT, HATCHED SHOULDER (197 FT)

DURABLE 8 INCH WHITE LINE, POLYUREA

LEICESTER:  
 MM 2.734 - MM 2.771 RT, HATCHED SHOULDER (410 FT)  
 MM 2.779 - MM 2.790 RT, HATCHED SHOULDER (197 FT)

TEMPORARY 24 INCH STOP BAR, PAINT

LEICESTER:  
 MM 2.773 RT, T-5

DURABLE 24 INCH STOP BAR, (OPTION BID ITEM)

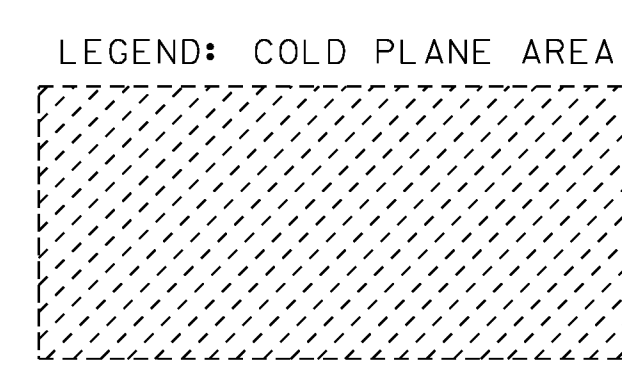
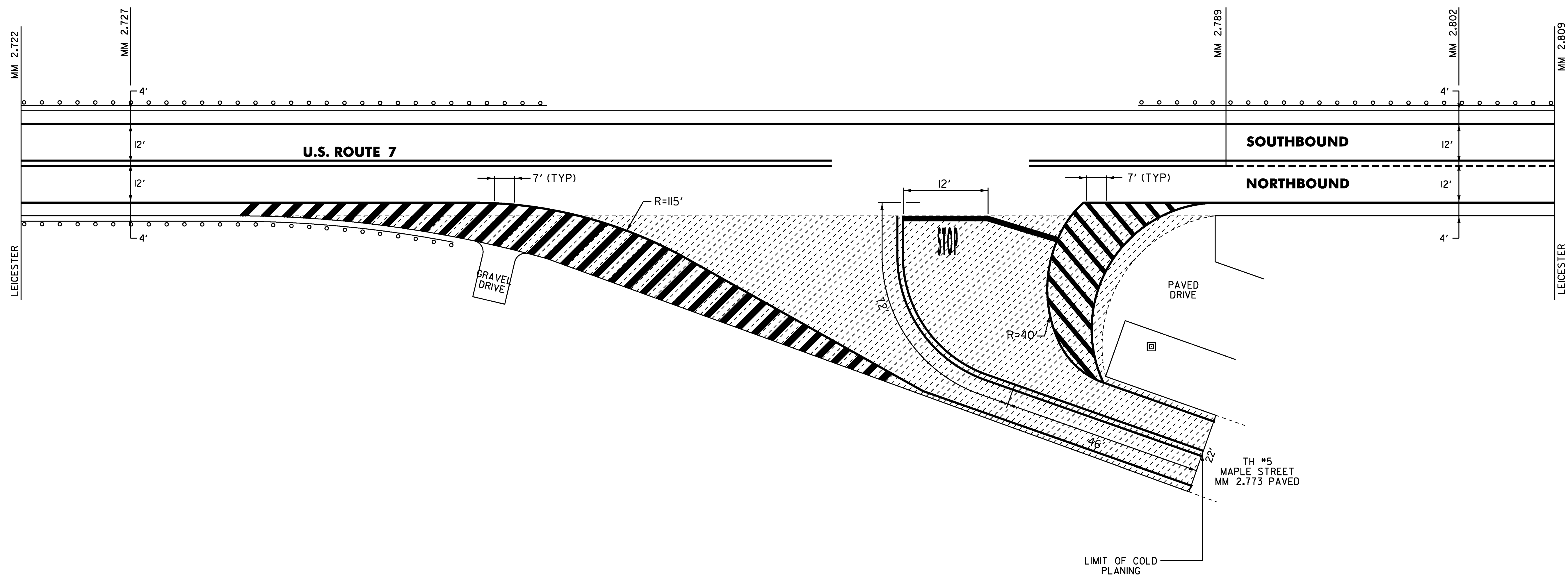
LEICESTER:  
 MM 2.773 RT, T-5

TEMPORARY LETTER OR SYMBOL

LEICESTER:  
 MM 2.773 RT, T-5 "S,T,O,P" (4 EA)

DURABLE LETTER OR SYMBOL, (OPTION BID ITEM)

LEICESTER:  
 MM 2.773 RT, T-5 "S,T,O,P" (4 EA)



**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
LAYOUT SHEET	7
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	14 OF 28

TEMPORARY 4 INCH WHITE LINE, PAINT  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

SALISBURY:  
MM 0.982 - MM 1.069 LT & RT

DURABLE 4 INCH WHITE LINE, POLYUREA  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

SALISBURY:  
MM 0.982 - MM 1.069 LT & RT

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

SALISBURY: LT CL RT  
MM 0.982 - MM 1.069 S - S  
MM 1.010 DOUBLE SOLID RT, T-20

DURABLE 4 INCH YELLOW LINE, POLYUREA  
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

SALISBURY: LT CL RT  
MM 0.982 - MM 1.069 S - S  
MM 1.010 DOUBLE SOLID RT, T-20

TEMPORARY 8 INCH WHITE LINE, PAINT

SALISBURY:  
MM 1.010 - MM 1.038 RT, HATCHED SHOULDER (180 FT)

DURABLE 8 INCH WHITE LINE, POLYUREA

SALISBURY:  
MM 1.010 - MM 1.038 RT, HATCHED SHOULDER (180 FT)

TEMPORARY 24 INCH STOP BAR, PAINT

SALISBURY:  
MM 1.010 RT, T-20

DURABLE 24 INCH STOP BAR, (OPTION BID ITEM)

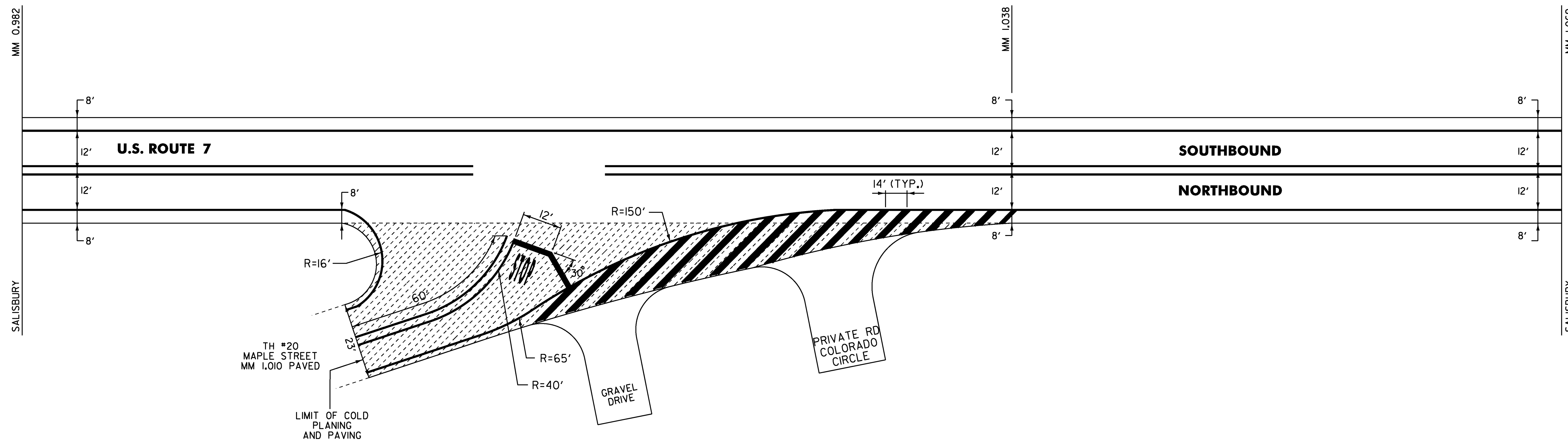
SALISBURY:  
MM 1.010 RT, T-20

TEMPORARY LETTER OR SYMBOL, PAINT

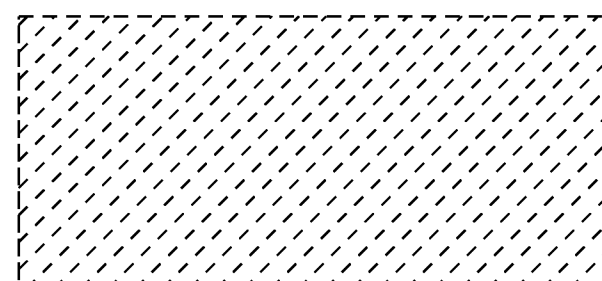
SALISBURY:  
MM 1.010 RT, T-20 "S,T,O,P" (4 EA)

DURABLE LETTER OR SYMBOL, POLYUREA

SALISBURY:  
MM 1.010 RT, T-20 "S,T,O,P" (4 EA)



LEGEND: COLD PLANE AREA



NOT TO SCALE

PROJECT NAME: BRANDON - MIDDLEBURY  
PROJECT NUMBER: NH SURF(43)

FILE NAME: pl3B6I6_Brandon-Middlebury.dgn PLOT DATE: 02-JUN-2014  
PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
LAYOUT SHEET 8 SHEET 15 OF 28

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 1.131 - MM 1.454 LT & RT  
 MM 1.232 - MM 1.300 LANE LINE 12' LT  
 MM 1.237 - MM 1.274 12' RT  
 MM 1.237 (ALONG VT 125 EDGE OF ISLAND)  
 MM 1.274 - MM 1.300 DASHED LINE 12' RT  
 MM 1.300 - MM 1.305 DOTTED LINE 12' LT

**DURABLE 4 INCH WHITE LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 1.131 - MM 1.454 LT & RT  
 MM 1.232 - MM 1.300 LANE LINE 12' LT  
 MM 1.237 - MM 1.274 12' RT  
 MM 1.237 (ALONG VT 125 EDGE OF ISLAND)  
 MM 1.274 - MM 1.300 DASHED LINE 12' RT  
 MM 1.300 - MM 1.305 DOTTED LINE 12' LT

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

MIDDLEBURY:  
 LT C RT  
 MM 1.131 - MM 1.136 S - S  
 MM 1.448 - MM 1.454 S - S  
 MM 1.136 - MM 1.176 DOUBLE SOLID LT & RT, (EDGE OF MEDIAN)  
 MM 1.176 - MM 1.220 LT & RT, (RAISED ISLAND)  
 MM 1.232 DOUBLE SOLID RT, VT-ROUTE 125  
 MM 1.237 - MM 1.305 SOLID LINE LT & RT  
 MM 1.239 - MM 1.249 (LT EDGE OF RAMP VT 125)  
 MM 1.305 - MM 1.341 SOLID LINE LT & RT (RAISED ISLAND)  
 MM 1.336 - MM 1.356 LT & RT (DASHED LINE BETWEEN ISLANDS)  
 MM 1.355 - MM 1.397 SOLID LINE LT & RT (RAISED ISLAND)  
 MM 1.397 - MM 1.448 DOUBLE SOLID LT & RT (EDGE OF MEDIAN)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MIDDLEBURY:  
 LT C RT  
 MM 1.131 - MM 1.136 S - S  
 MM 1.448 - MM 1.454 S - S  
 MM 1.136 - MM 1.176 DOUBLE SOLID LT & RT, (EDGE OF MEDIAN)  
 MM 1.176 - MM 1.220 LT & RT, (RAISED ISLAND)  
 MM 1.232 DOUBLE SOLID RT, VT-ROUTE 125  
 MM 1.237 - MM 1.305 SOLID LINE LT & RT  
 MM 1.239 - MM 1.249 (LT EDGE OF RAMP VT 125)  
 MM 1.305 - MM 1.341 SOLID LINE LT & RT (RAISED ISLAND)  
 MM 1.336 - MM 1.356 LT & RT (DASHED LINE BETWEEN ISLANDS)  
 MM 1.355 - MM 1.397 SOLID LINE LT & RT (RAISED ISLAND)  
 MM 1.397 - MM 1.448 DOUBLE SOLID LT & RT (EDGE OF MEDIAN)

**TEMPORARY 24 INCH STOP BAR, PAINT**  
 MIDDLEBURY:  
 MM 1.235 RT, VT. ROUTE 125

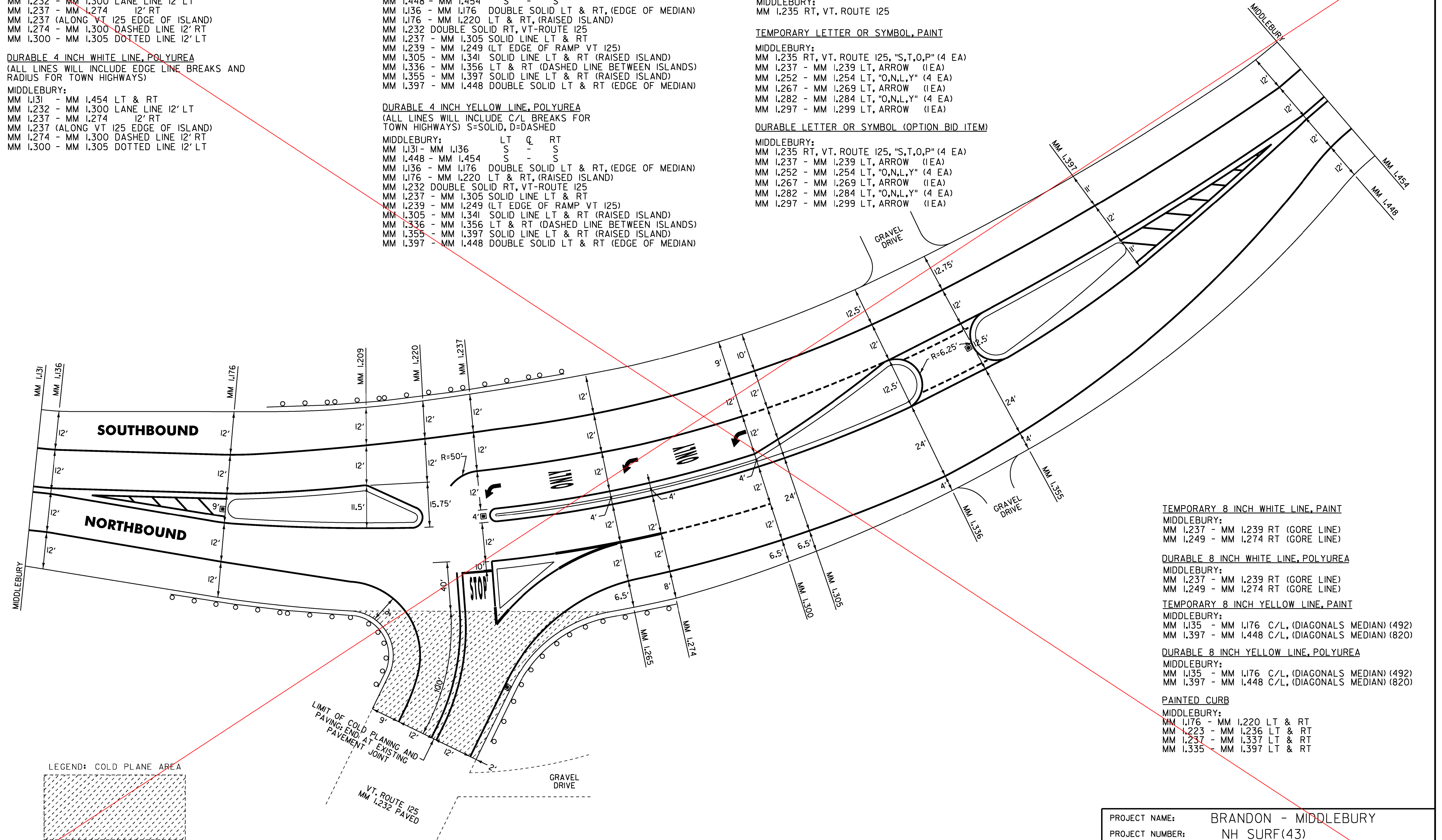
**DURABLE 24 INCH STOP BAR (OPTION BID ITEM)**  
 MIDDLEBURY:  
 MM 1.235 RT, VT. ROUTE 125

**TEMPORARY LETTER OR SYMBOL, PAINT**

MIDDLEBURY:  
 MM 1.235 RT, VT. ROUTE 125, "S,T,O,P" (4 EA)  
 MM 1.237 - MM 1.239 LT, ARROW (1EA)  
 MM 1.252 - MM 1.254 LT, "O,N,L,Y" (4 EA)  
 MM 1.267 - MM 1.269 LT, ARROW (1EA)  
 MM 1.282 - MM 1.284 LT, "O,N,L,Y" (4 EA)  
 MM 1.297 - MM 1.299 LT, ARROW (1EA)

**DURABLE LETTER OR SYMBOL (OPTION BID ITEM)**

MIDDLEBURY:  
 MM 1.235 RT, VT. ROUTE 125, "S,T,O,P" (4 EA)  
 MM 1.237 - MM 1.239 LT, ARROW (1EA)  
 MM 1.252 - MM 1.254 LT, "O,N,L,Y" (4 EA)  
 MM 1.267 - MM 1.269 LT, ARROW (1EA)  
 MM 1.282 - MM 1.284 LT, "O,N,L,Y" (4 EA)  
 MM 1.297 - MM 1.299 LT, ARROW (1EA)



**TEMPORARY 8 INCH WHITE LINE, PAINT**  
 MIDDLEBURY:  
 MM 1.237 - MM 1.239 RT (GORE LINE)  
 MM 1.249 - MM 1.274 RT (GORE LINE)

**DURABLE 8 INCH WHITE LINE, POLYUREA**  
 MIDDLEBURY:  
 MM 1.237 - MM 1.239 RT (GORE LINE)  
 MM 1.249 - MM 1.274 RT (GORE LINE)

**TEMPORARY 8 INCH YELLOW LINE, PAINT**  
 MIDDLEBURY:  
 MM 1.135 - MM 1.176 C/L, (DIAGONALS MEDIAN) (492)  
 MM 1.397 - MM 1.448 C/L, (DIAGONALS MEDIAN) (820)

**DURABLE 8 INCH YELLOW LINE, POLYUREA**  
 MIDDLEBURY:  
 MM 1.135 - MM 1.176 C/L, (DIAGONALS MEDIAN) (492)  
 MM 1.397 - MM 1.448 C/L, (DIAGONALS MEDIAN) (820)

**PAINTED CURB**  
 MIDDLEBURY:  
 MM 1.176 - MM 1.220 LT & RT  
 MM 1.223 - MM 1.236 LT & RT  
 MM 1.237 - MM 1.337 LT & RT  
 MM 1.335 - MM 1.397 LT & RT

PROJECT NAME:	BRANDON - MIDDLEBURY	
PROJECT NUMBER:	NH SURF(43)	
FILE NAME:	pi3B616_Brandon-Middlebury.dgn	PLOT DATE: 02-JUN-2014
PROJECT LEADER:	M. FOWLER	DRAWN BY: N. PAPPAS
DESIGNED BY:	N. PAPPAS	CHECKED BY: M. FOWLER
LAYOUT SHEET 9		SHEET 16 OF 28

**NOT TO SCALE**  
**NOTE: SEE TYPICAL MARKINGS FOR TURN LANES ON LAYOUT SHEET 13.**

TEMPORARY 4 INCH WHITE LINE, PAINT  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
MM 1.131 - MM 1.454 LT & RT  
MM 1.232 - MM 1.300 LANE LINE 12' LT  
MM 1.237 - MM 1.274 12' RT  
MM 1.237 (ALONG VT 125 EDGE OF ISLAND)  
MM 1.274 - MM 1.300 DASHED LINE 12' RT  
MM 1.300 - MM 1.305 DOTTED LINE 12' LT

DURABLE 4 INCH WHITE LINE, POLYUREA  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
MM 1.131 - MM 1.454 LT & RT  
MM 1.232 - MM 1.300 LANE LINE 12' LT  
MM 1.237 - MM 1.274 12' RT  
MM 1.237 (ALONG VT 125 EDGE OF ISLAND)  
MM 1.274 - MM 1.300 DASHED LINE 12' RT  
MM 1.300 - MM 1.305 DOTTED LINE 12' LT

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

MIDDLEBURY:  
LT C RT  
MM 1.131 - MM 1.136 S - S  
MM 1.448 - MM 1.454 S - S  
MM 1.136 - MM 1.176 DOUBLE SOLID LT & RT, (EDGE OF MEDIAN)  
MM 1.176 - MM 1.220 LT & RT, (RAISED ISLAND)  
MM 1.232 DOUBLE SOLID RT, VT-ROUTE 125  
MM 1.237 - MM 1.305 SOLID LINE LT & RT  
MM 1.239 - MM 1.249 (LT EDGE OF RAMP VT 125)  
MM 1.305 - MM 1.341 SOLID LINE LT & RT (RAISED ISLAND)  
MM 1.336 - MM 1.356 LT & RT (DASHED LINE BETWEEN ISLANDS)  
MM 1.355 - MM 1.397 SOLID LINE LT & RT (RAISED ISLAND)  
MM 1.397 - MM 1.448 DOUBLE SOLID LT & RT (EDGE OF MEDIAN)

DURABLE 4 INCH YELLOW LINE, POLYUREA  
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MIDDLEBURY:  
LT C RT  
MM 1.131 - MM 1.136 S - S  
MM 1.448 - MM 1.454 S - S  
MM 1.136 - MM 1.176 DOUBLE SOLID LT & RT, (EDGE OF MEDIAN)  
MM 1.176 - MM 1.220 LT & RT, (RAISED ISLAND)  
MM 1.232 DOUBLE SOLID RT, VT-ROUTE 125  
MM 1.237 - MM 1.305 SOLID LINE LT & RT  
MM 1.239 - MM 1.249 (LT EDGE OF RAMP VT 125)  
MM 1.305 - MM 1.341 SOLID LINE LT & RT (RAISED ISLAND)  
MM 1.336 - MM 1.356 LT & RT (DASHED LINE BETWEEN ISLANDS)  
MM 1.355 - MM 1.397 SOLID LINE LT & RT (RAISED ISLAND)  
MM 1.397 - MM 1.448 DOUBLE SOLID LT & RT (EDGE OF MEDIAN)

TEMPORARY 24 INCH STOP BAR, PAINT  
MIDDLEBURY:  
MM 1.235 RT, VT. ROUTE 125

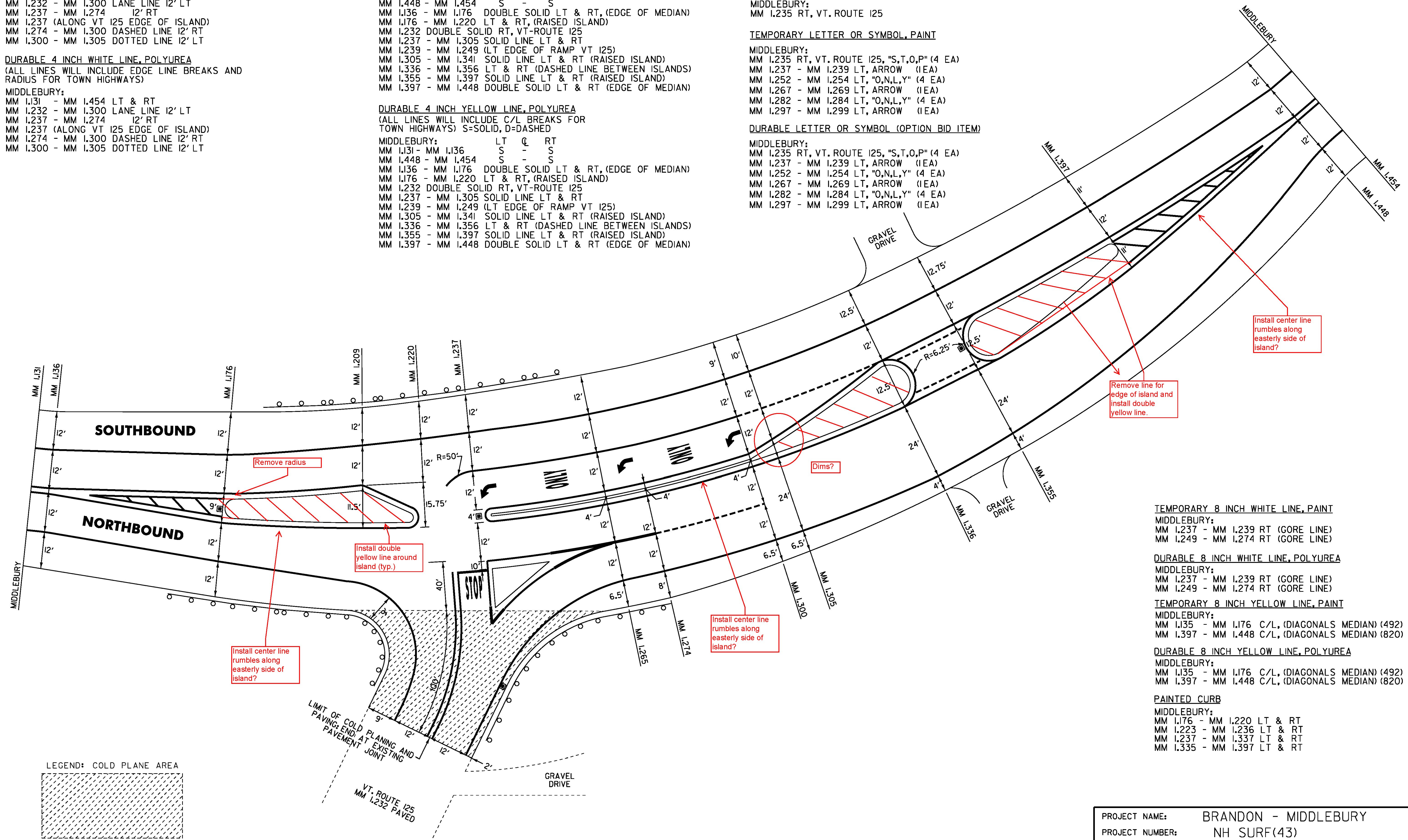
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)  
MIDDLEBURY:  
MM 1.235 RT, VT. ROUTE 125

TEMPORARY LETTER OR SYMBOL, PAINT

MIDDLEBURY:  
MM 1.235 RT, VT. ROUTE 125, "S,T,O,P" (4 EA)  
MM 1.237 - MM 1.239 LT, ARROW (1EA)  
MM 1.252 - MM 1.254 LT, "O,N,L,Y" (4 EA)  
MM 1.267 - MM 1.269 LT, ARROW (1EA)  
MM 1.282 - MM 1.284 LT, "O,N,L,Y" (4 EA)  
MM 1.297 - MM 1.299 LT, ARROW (1EA)

DURABLE LETTER OR SYMBOL (OPTION BID ITEM)

MIDDLEBURY:  
MM 1.235 RT, VT. ROUTE 125, "S,T,O,P" (4 EA)  
MM 1.237 - MM 1.239 LT, ARROW (1EA)  
MM 1.252 - MM 1.254 LT, "O,N,L,Y" (4 EA)  
MM 1.267 - MM 1.269 LT, ARROW (1EA)  
MM 1.282 - MM 1.284 LT, "O,N,L,Y" (4 EA)  
MM 1.297 - MM 1.299 LT, ARROW (1EA)



TEMPORARY 8 INCH WHITE LINE, PAINT

MIDDLEBURY:  
MM 1.237 - MM 1.239 RT (GORE LINE)  
MM 1.249 - MM 1.274 RT (GORE LINE)

DURABLE 8 INCH WHITE LINE, POLYUREA

MIDDLEBURY:  
MM 1.237 - MM 1.239 RT (GORE LINE)  
MM 1.249 - MM 1.274 RT (GORE LINE)

TEMPORARY 8 INCH YELLOW LINE, PAINT

MIDDLEBURY:  
MM 1.135 - MM 1.176 C/L, (DIAGONALS MEDIAN) (492)  
MM 1.397 - MM 1.448 C/L, (DIAGONALS MEDIAN) (820)

DURABLE 8 INCH YELLOW LINE, POLYUREA

MIDDLEBURY:  
MM 1.135 - MM 1.176 C/L, (DIAGONALS MEDIAN) (492)  
MM 1.397 - MM 1.448 C/L, (DIAGONALS MEDIAN) (820)

PAINTED CURB

MIDDLEBURY:  
MM 1.176 - MM 1.220 LT & RT  
MM 1.236 - MM 1.236 LT & RT  
MM 1.237 - MM 1.337 LT & RT  
MM 1.335 - MM 1.397 LT & RT

PROJECT NAME: BRANDON - MIDDLEBURY

PROJECT NUMBER: NH SURF(43)

FILE NAME: pi3B6i6_Brandon-Middlebury.dgn PLOT DATE: 02-JUN-2014  
PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
LAYOUT SHEET 9 SHEET 16 OF 28

NOT TO SCALE  
NOTE: SEE TYPICAL MARKINGS FOR TURN LANES ON LAYOUT SHEET 13.

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 3.818 - MM 4.002 LT & RT  
 MM 3.899 - MM 3.933 RT, DOTTED LINE  
 MM 3.933 - MM 3.973 RT, SOLID LINE (LANE LINE)  
 MM 4.000 - MM 4.002 LT, SOLID LINE (LANE LINE)  
 MM 4.000 - MM 4.002 LT, SOLID LINE (LANE LINE)  
 RITE AID PHARMACY ENTRANCE - SOLID EDGELINE LT & RT  
 HANNAFORDS/CENTER PLAZA ENTRANCE - SOLID EDGELINE LT & RT

**DURABLE 4 INCH WHITE LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 3.818 - MM 4.002 LT & RT  
 MM 3.899 - MM 3.933 RT, DOTTED LINE  
 MM 3.933 - MM 3.973 RT, SOLID LINE (LANE LINE)  
 MM 4.000 - MM 4.002 LT, SOLID LINE (LANE LINE)  
 MM 4.000 - MM 4.002 LT, SOLID LINE (LANE LINE)  
 RITE AID PHARMACY ENTRANCE - SOLID EDGELINE LT & RT  
 HANNAFORDS/CENTER PLAZA ENTRANCE - SOLID EDGELINE LT & RT

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

MIDDLEBURY:  
 MM 3.818 - MM 3.933 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 3.933 - MM 3.973 DOUBLE SOLID LT  
 MM 3.994 - MM 4.002 DOUBLE SOLID LT & RT  
 RITE AID PHARMACY ENTRANCE DOUBLE SOLID RT  
 HANNAFORDS/CENTER PLAZA ENTRANCE (BOTH SIDES OF RAISED ISLAND)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MIDDLEBURY:  
 MM 3.818 - MM 3.933 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 3.933 - MM 3.973 DOUBLE SOLID LT  
 MM 3.994 - MM 4.002 DOUBLE SOLID LT & RT  
 RITE AID PHARMACY ENTRANCE DOUBLE SOLID RT  
 HANNAFORDS/CENTER PLAZA ENTRANCE (BOTH SIDES OF RAISED ISLAND)

**TEMPORARY 8 INCH YELLOW LINE, PAINT**

MIDDLEBURY:  
 MM 3.818 - MM 3.933 C/L (DIAGONALS MEDIAN) (820 FT)

**DURABLE 8 INCH YELLOW LINE**

MIDDLEBURY:  
 MM 3.818 - MM 3.933 C/L (DIAGONALS MEDIAN) (820 FT)

**TEMPORARY LETTER OR SYMBOL**

MIDDLEBURY:  
 MM 3.858 RT, "S,I,G,N,A,L A,H,E,A,D" (11EA)  
 MM 3.934 RT, ARROW (1EA)  
 MM 3.934 RT, DOUBLE ARROW (2 EA)  
 MM 3.943 RT, "O,N,L,Y" (4 EA)  
 MM 3.953 RT, ARROW (1EA)  
 MM 3.953 RT, DOUBLE ARROW (2 EA)  
 MM 3.963 RT, "O,N,L,Y" (4 EA)  
 MM 3.972 RT, ARROW (1EA)  
 MM 3.972 RT, DOUBLE ARROW (2 EA)  
 MM 4.001 LT, ARROW (1EA)  
 MM 4.001 LT, ARROW (1EA)

**DURABLE LETTER OR SYMBOL (OPTION BID ITEM)**

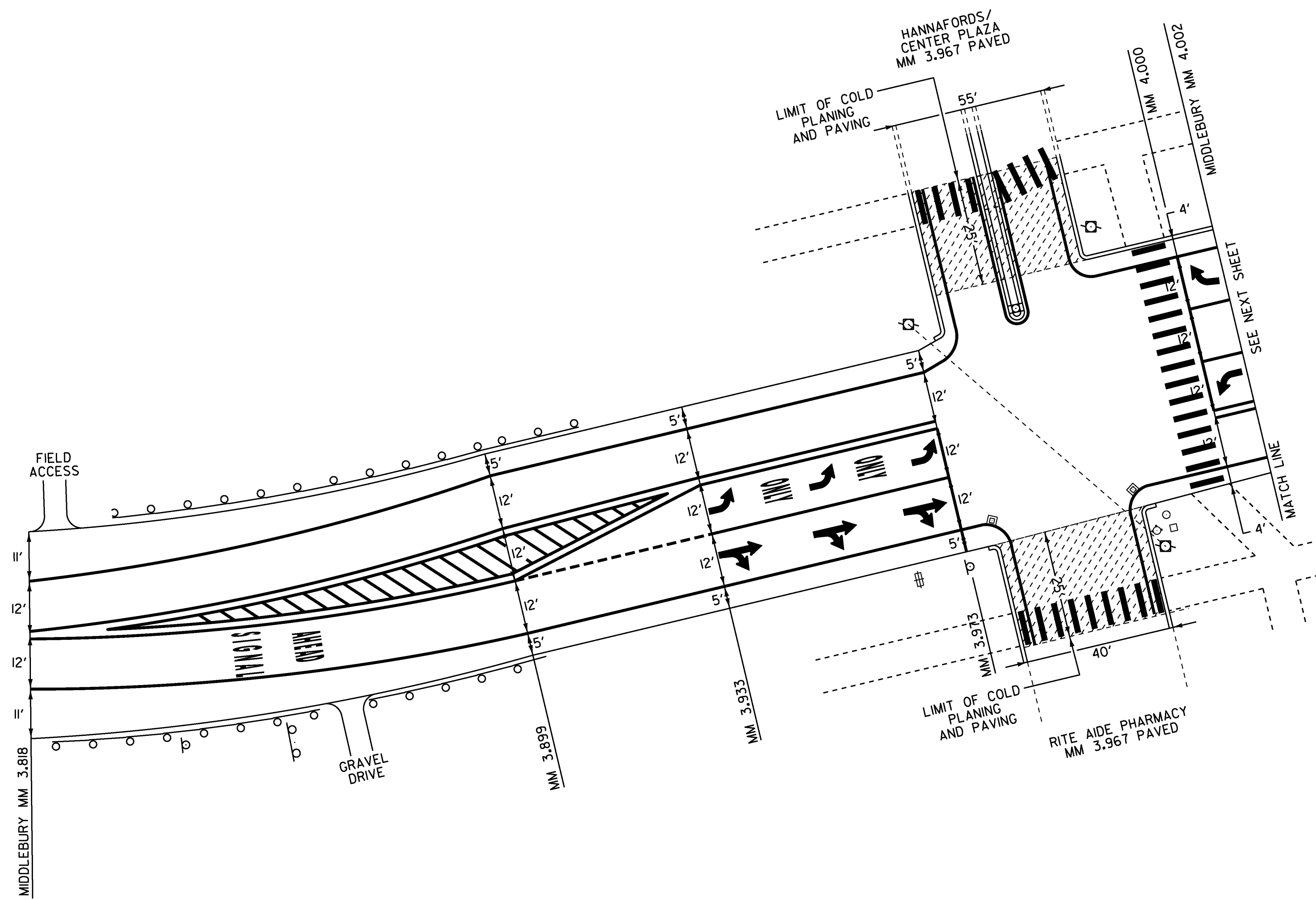
MIDDLEBURY:  
 MM 3.858 RT, "S,I,G,N,A,L A,H,E,A,D" (11EA)  
 MM 3.934 RT, ARROW (1EA)  
 MM 3.934 RT, DOUBLE ARROW (2 EA)  
 MM 3.943 RT, "O,N,L,Y" (4 EA)  
 MM 3.953 RT, ARROW (1EA)  
 MM 3.953 RT, DOUBLE ARROW (2 EA)  
 MM 3.963 RT, "O,N,L,Y" (4 EA)  
 MM 3.972 RT, ARROW (1EA)  
 MM 3.972 RT, DOUBLE ARROW (2 EA)  
 MM 4.001 LT, ARROW (1EA)  
 MM 4.001 LT, ARROW (1EA)

**TEMPORARY CROSSWALK MARKING, PAINT**

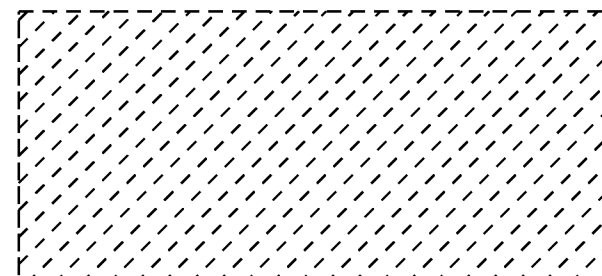
MIDDLEBURY:  
 MM 3.967 HANNAFORDS/ENTRANCE CENTER PLAZA - LT  
 MM 3.967 RITE AID PHARMACY ENTRANCE - RT  
 MM 3.999

**DURABLE CROSSWALK MARKING (OPTION BID ITEM)**

MIDDLEBURY:  
 MM 3.967 HANNAFORDS/ENTRANCE CENTER PLAZA - LT  
 MM 3.967 RITE AID PHARMACY ENTRANCE - RT  
 MM 3.999



LEGEND: COLD PLANE AREA



**NOTES:**

- 1) SEE TYPICAL MARKINGS FOR TURN LANES ON LAYOUT SHEET 13.
- 2) SEE TRAFFIC SIGNAL SYSTEMS SHEET 21 NOTE 6 BEFORE COLD PLANING.

**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
LAYOUT SHEET 10	
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET 17	OF 28

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 4.002 - MM 4.153 LT & RT  
 MM 4.002 - MM 4.027 LT, SOLID LINE (LANE LINE)  
 MM 4.002 - MM 4.038 LT, SOLID LINE (LANE LINE)  
 MM 4.027 - MM 4.056 LT, DOTTED LINE  
 MM 4.038 - MM 4.063 LT, DOTTED LINE  
 MM 4.038 - MM 4.063 RT, DOTTED LINE  
 MM 4.063 - MM 4.089 RT, SOLID LINE (LANE LINE)  
 MM 4.096 LT, T-20 (LANE LINE)  
 MM 4.104 - MM 4.128 LT, SOLID LINE (LANE LINE)  
 MM 4.128 - MM 4.153 LT, DOTTED LINE

**DURABLE 4 INCH WHITE LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 4.002 - MM 4.153 LT & RT  
 MM 4.002 - MM 4.027 LT, SOLID LINE (LANE LINE)  
 MM 4.002 - MM 4.038 LT, SOLID LINE (LANE LINE)  
 MM 4.027 - MM 4.056 LT, DOTTED LINE  
 MM 4.038 - MM 4.063 LT, DOTTED LINE  
 MM 4.038 - MM 4.063 RT, DOTTED LINE  
 MM 4.063 - MM 4.089 RT, SOLID LINE (LANE LINE)  
 MM 4.096 LT, T-20 (LANE LINE)  
 MM 4.104 - MM 4.128 LT, SOLID LINE (LANE LINE)  
 MM 4.128 - MM 4.153 LT, DOTTED LINE

**TEMPORARY 4 INCH YELLOW LINE, PAINT**

(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED  
 MIDDLEBURY:  
 MM 4.063 - MM 4.153 LT C RT S  
 MM 4.063 - MM 4.153 S - S  
 MM 4.002 - MM 4.027 DOUBLE SOLID LT & RT  
 MM 4.027 - MM 4.056 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 4.063 - MM 4.089 DOUBLE SOLID LT  
 MM 4.104 - MM 4.153 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 4.059 DOUBLE SOLID RT, T-15

**DURABLE 4 INCH YELLOW LINE, POLYUREA**

(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED  
 MIDDLEBURY:  
 MM 4.063 - MM 4.153 LT C RT S  
 MM 4.063 - MM 4.153 S - S  
 MM 4.002 - MM 4.027 DOUBLE SOLID LT & RT  
 MM 4.027 - MM 4.056 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 4.063 - MM 4.089 DOUBLE SOLID LT  
 MM 4.104 - MM 4.153 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 4.059 DOUBLE SOLID RT, T-15

**TEMPORARY 8 INCH YELLOW LINE, PAINT**

MIDDLEBURY:  
 MM 4.027 - MM 4.056 LT, (DIAGONALS MEDIAN) (153 FT)  
 MM 4.104 - MM 4.153 RT, (DIAGONALS MEDIAN) (259 FT)

**DURABLE 8 INCH YELLOW LINE, POLYUREA**

MIDDLEBURY:  
 MM 4.027 - MM 4.056 LT, (DIAGONALS MEDIAN) (153 FT)  
 MM 4.104 - MM 4.153 RT, (DIAGONALS MEDIAN) (259 FT)

**TEMPORARY 24 INCH STOP BAR, PAINT**

MIDDLEBURY:  
 MM 4.059 RT, T-15  
 MM 4.089 RT  
 MM 4.104 LT

**DURABLE 24 INCH STOP BAR (SEE OPTIONS)**

MIDDLEBURY:  
 MM 4.059 RT, T-15  
 MM 4.089 RT  
 MM 4.104 LT

**TEMPORARY LETTER OR SYMBOL, PAINT**

MIDDLEBURY:  
 MM 4.003 LT, "O,N,L,Y" (4 EA)  
 MM 4.003 RT, "O,N,L,Y" (4 EA)  
 MM 4.010 LT, ARROW (1EA)  
 MM 4.010 RT, ARROW (1EA)  
 MM 4.020 LT, "O,N,L,Y" (4 EA)  
 MM 4.020 RT, "O,N,L,Y" (4 EA)  
 MM 4.026 LT, ARROW (1EA)  
 MM 4.026 RT, ARROW (1EA)  
 MM 4.064 RT, "S,T,O,P" (4 EA) TH-15  
 MM 4.064 RT, ARROW (1EA)  
 MM 4.076 RT, "O,N,L,Y" (4 EA)  
 MM 4.088 RT, ARROW (1EA)  
 MM 4.105 LT, ARROW (1EA)  
 MM 4.116 LT, "O,N,L,Y" (4 EA)  
 MM 4.128 LT, ARROW (1EA)

**DURABLE LETTER OR SYMBOL (OPTION BID ITEM)**

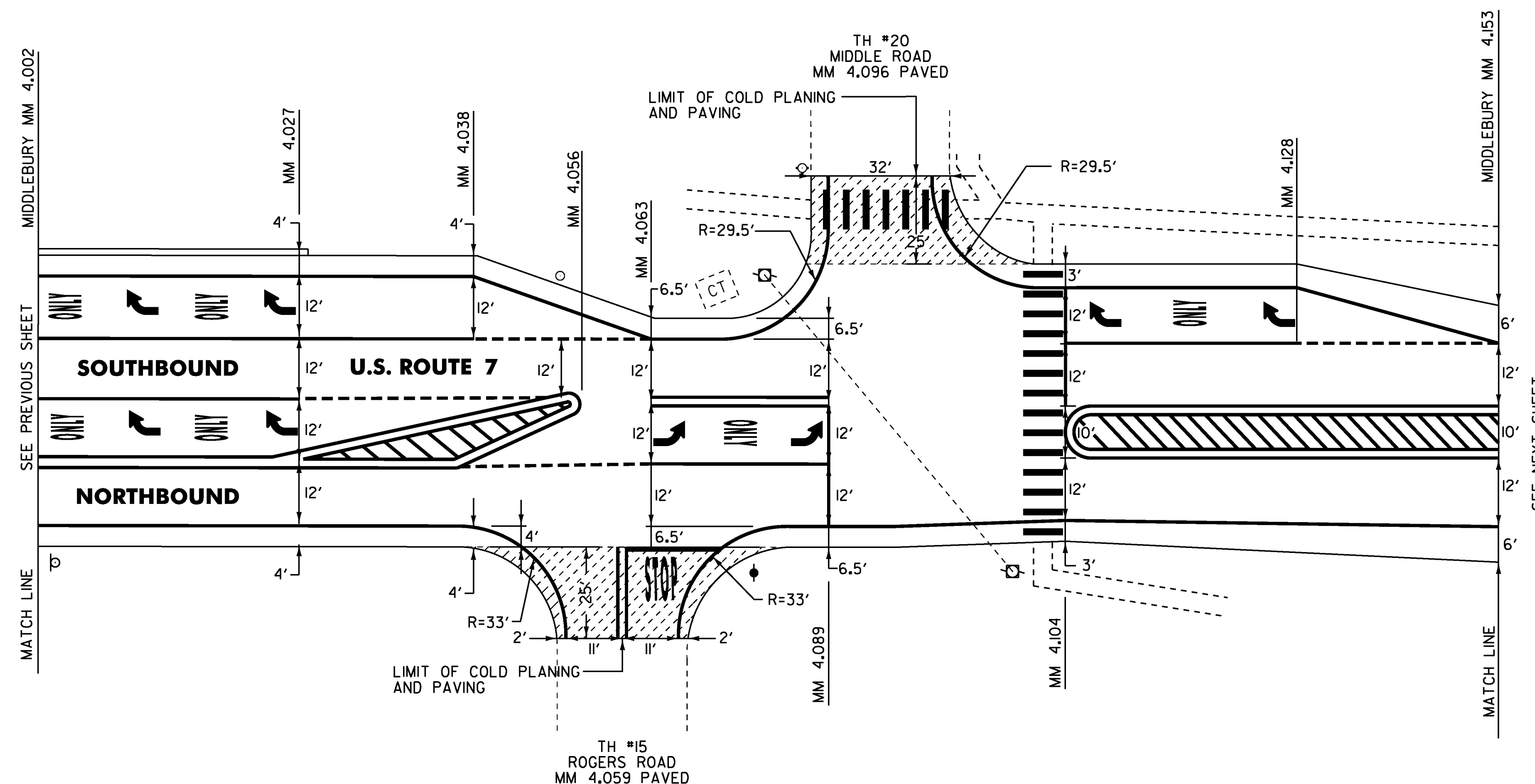
MIDDLEBURY:  
 MM 4.003 LT, "O,N,L,Y" (4 EA)  
 MM 4.003 RT, "O,N,L,Y" (4 EA)  
 MM 4.010 LT, ARROW (1EA)  
 MM 4.010 RT, ARROW (1EA)  
 MM 4.020 LT, "O,N,L,Y" (4 EA)  
 MM 4.020 RT, "O,N,L,Y" (4 EA)  
 MM 4.026 LT, ARROW (1EA)  
 MM 4.026 RT, ARROW (1EA)  
 MM 4.064 RT, "S,T,O,P" (4 EA) TH-15  
 MM 4.064 RT, ARROW (1EA)  
 MM 4.076 RT, "O,N,L,Y" (4 EA)  
 MM 4.088 RT, ARROW (1EA)  
 MM 4.105 LT, ARROW (1EA)  
 MM 4.116 LT, "O,N,L,Y" (4 EA)  
 MM 4.128 LT, ARROW (1EA)

**TEMPORARY CROSSWALK MARKING, PAINT**

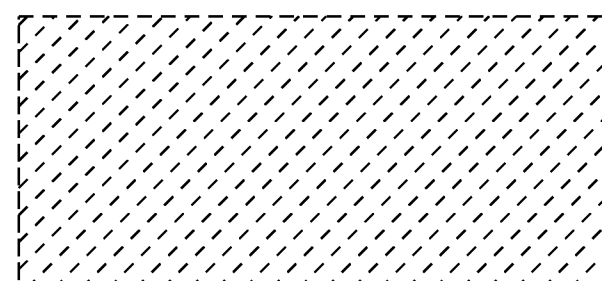
MIDDLEBURY:  
 MM 4.096 LT, T-20  
 MM 4.103

**DURABLE CROSSWALK MARKING (OPTION BID ITEM)**

MIDDLEBURY:  
 MM 4.096 LT, T-20  
 MM 4.103



LEGEND: COLD PLANE AREA



**NOTES:**

- 1) SEE TYPICAL MARKINGS FOR TURN LANES ON LAYOUT SHEET 13.
- 2) SEE TRAFFIC SIGNAL SYSTEMS SHEET 22 NOTE 6 BEFORE COLD PLANING.

NOT TO SCALE

PROJECT NAME: BRANDON - MIDDLEBURY

PROJECT NUMBER: NH SURF(43)

FILE NAME: p13B616-Brandon-Middlebury.dgn PLOT DATE: 10-JUN-2014

PROJECT LEADER: M. FOWLER

DESIGNED BY: N. PAPPAS

LAYOUT SHEET 11

DRAWN BY: N. PAPPAS

CHECKED BY: M. FOWLER

SHEET 18 OF 28

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 4.153 - MM 4.276 LT & RT  
 MM 4.153 - MM 4.161 RT, DOTTED LINE  
 MM 4.161 - MM 4.181 RT, SOLID LINE (LANE LINE)  
 MM 4.189 - MM 4.198 LT, SOLID LINE (LANE LINE)  
 MM 4.198 - MM 4.206 LT, DOTTED LINE

**DURABLE 4 INCH WHITE LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MIDDLEBURY:  
 MM 4.153 - MM 4.276 LT & RT  
 MM 4.153 - MM 4.161 RT, DOTTED LINE  
 MM 4.161 - MM 4.181 RT, SOLID LINE (LANE LINE)  
 MM 4.189 - MM 4.198 LT, SOLID LINE (LANE LINE)  
 MM 4.198 - MM 4.206 LT, DOTTED LINE

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

MIDDLEBURY:  
 MM 4.234 - MM 4.276 S - RT  
 MM 4.153 - MM 4.161 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 4.161 - MM 4.181 DOUBLE SOLID LT  
 MM 4.189 - MM 4.198 DOUBLE SOLID RT  
 MM 4.198 - MM 4.234 DOUBLE SOLID LT & RT (MEDIAN)

**DURABLE 4 INCH YELLOW LINE, POLYUREA**  
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MIDDLEBURY:  
 MM 4.234 - MM 4.276 S - RT  
 MM 4.153 - MM 4.161 DOUBLE SOLID LT & RT (MEDIAN)  
 MM 4.161 - MM 4.181 DOUBLE SOLID LT  
 MM 4.189 - MM 4.198 DOUBLE SOLID RT  
 MM 4.198 - MM 4.234 DOUBLE SOLID LT & RT (MEDIAN)

**TEMPORARY 8 INCH YELLOW LINE, PAINT**

MIDDLEBURY:  
 MM 4.153 - MM 4.161 (DIAGONALS MEDIAN) (42 FT)  
 MM 4.198 - MM 4.234 (DIAGONALS MEDIAN) (190 FT)

**DURABLE 8 INCH YELLOW LINE, POLYUREA**

MIDDLEBURY:  
 MM 4.153 - MM 4.161 (DIAGONALS MEDIAN) (42.0 FT)  
 MM 4.198 - MM 4.234 (DIAGONALS MEDIAN) (190.0 FT)

**TEMPORARY LETTER OR SYMBOL, PAINT**

MIDDLEBURY:  
 MM 4.162 RT, ARROW (1EA)  
 MM 4.171 RT, "O,N,L,Y" (4 EA)  
 MM 4.180 RT, ARROW (1EA)  
 MM 4.190 LT, DOUBLE ARROW (2 EA)  
 MM 4.190 LT, ARROW (1EA)  
 MM 4.197 LT, DOUBLE ARROW (2 EA)  
 MM 4.197 LT, ARROW (1EA)  
 MM 4.232 LT, "S,I,G,N,A,L A,H,E,A,D" (11EA)

**DURABLE LETTER OR SYMBOL (OPTION BID ITEM)**

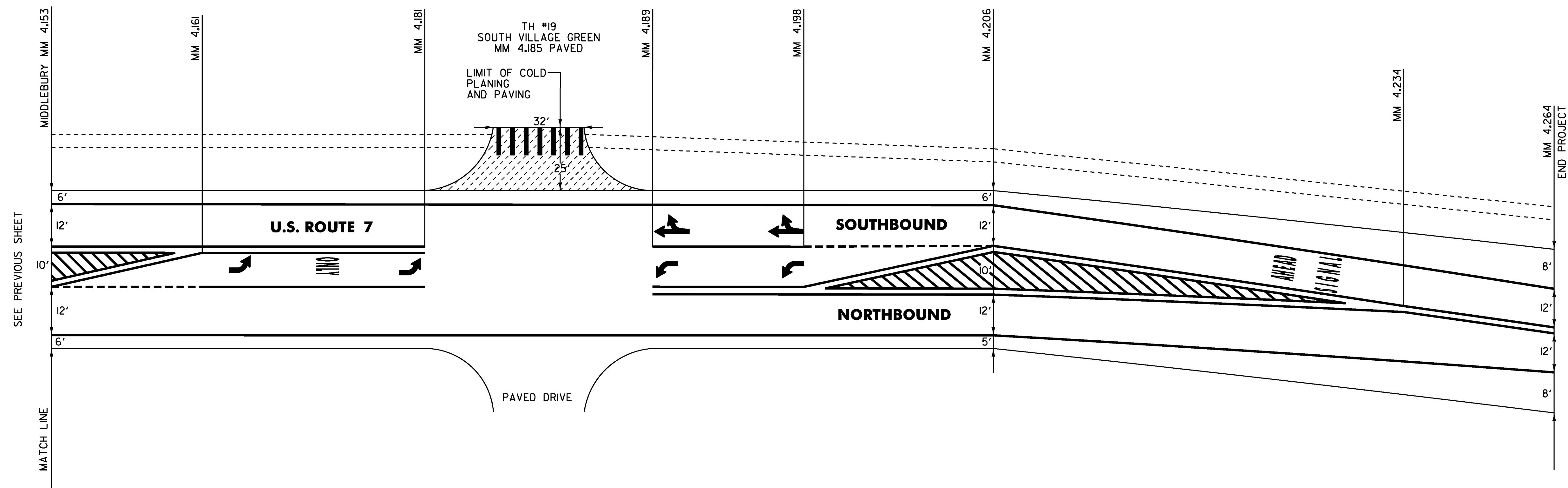
MIDDLEBURY:  
 MM 4.162 RT, ARROW (1EA)  
 MM 4.171 RT, "O,N,L,Y" (4 EA)  
 MM 4.180 RT, ARROW (1EA)  
 MM 4.190 LT, DOUBLE ARROW (2 EA)  
 MM 4.190 LT, ARROW (1EA)  
 MM 4.197 LT, DOUBLE ARROW (2 EA)  
 MM 4.197 LT, ARROW (1EA)  
 MM 4.232 LT, "S,I,G,N,A,L A,H,E,A,D" (11EA)

**TEMPORARY CROSSWALK MARKING, PAINT**

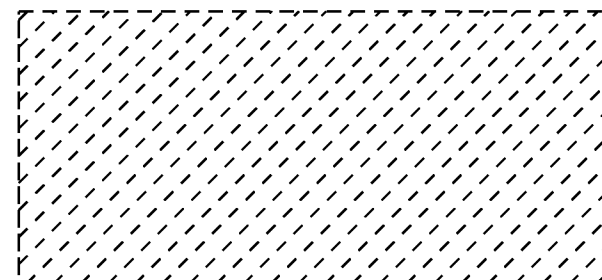
MIDDLEBURY:  
 MM 4.185 LT, SOUTH VILLAGE GREEN

**DURABLE CROSSWALK MARKING (OPTION BID ITEM)**

MIDDLEBURY:  
 MM 4.185 LT, SOUTH VILLAGE GREEN



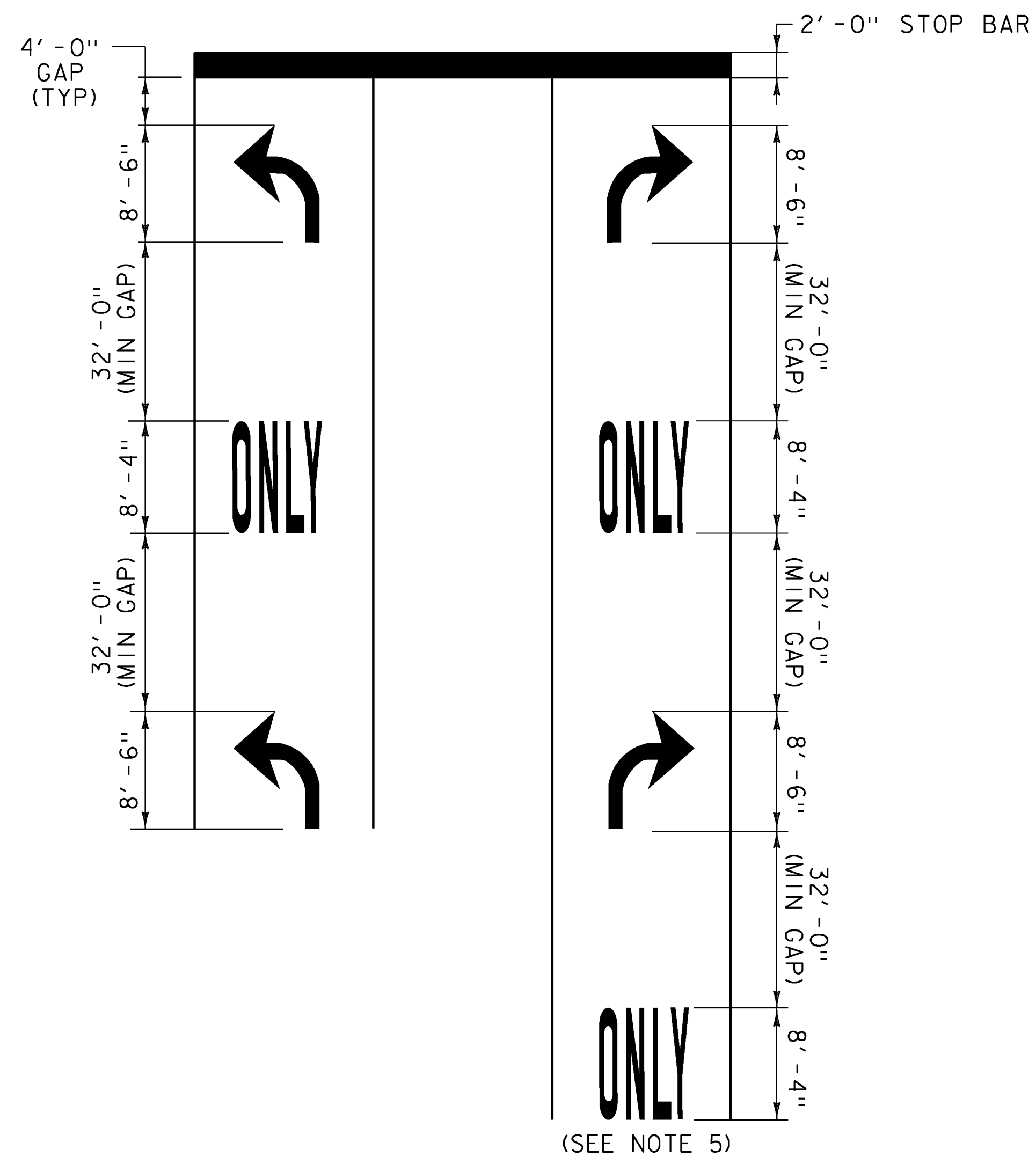
LEGEND: COLD PLANE AREA



NOT TO SCALE

PROJECT NAME: BRANDON - MIDDLEBURY  
 PROJECT NUMBER: NH SURF(43)

FILE NAME: pl3B6I6_Brandon-Middlebury.dgn PLOT DATE: 02-JUN-2014  
 PROJECT LEADER: M. FOWLER DRAWN BY: N. PAPPAS  
 DESIGNED BY: N. PAPPAS CHECKED BY: M. FOWLER  
 LAYOUT SHEET 12 SHEET 19 OF 28



**TYPICAL MARKINGS FOR TURN LANES**

**NOTES:**

1. MARKINGS START AT THE BEGINNING OF SOLID LANE LINE.
2. THE "ONLY" WORD MARKINGS SHALL BE USED TO SUPPLEMENT LANE-USE ARROW MARKINGS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. IF LANE LENGTH IS LESS THAN 50 FEET, ONLY ONE TURN ARROW PLACED AT THE BEGINNING OF THE SOLID LANE LINE IS REQUIRED.
4. THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGE MARKINGS SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTERS USED FOR LOW SPEED ROADS, BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTERS UNDER ANY CONDITIONS.
5. A SECOND "ONLY" IS OPTIONAL WHEN SPACE PERMITS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
6. EXCLUSIVE TURN (LEFT OR RIGHT) LANE LINES SHALL BE SOLID AND EXTEND BACK FROM THE STOP LINE TO THE POINT OF FULL LANE WIDTH OF THE TURN LANE.

**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME: pl3B6I6_Brandon-Middlebury.dgn	PL0T DATE: 02-JUN-2014
PROJECT LEADER: M. FOWLER	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: M. FOWLER
LAYOUT SHEET 13	SHEET 20 OF 28

NOTES:  
 1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.

2. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED FOR INSTALLATION SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678.

3. FOR INFORMATION REGARDING THE INSTALLATION OF THE ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLIES (ORIENTATION, HEIGHT, ETC.), SEE SECTION 4E08-PEDESTRIAN DETECTORS IN THE 2009 EDITION OF THE MUTCD.

4. THE ACTUAL STOP BAR DETECTION LOCATION WILL BE DETERMINED DURING CONSTRUCTION BASED ON THE OPTIMAL LOCATION FOR TYPE OF DETECTOR SELECTED. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.

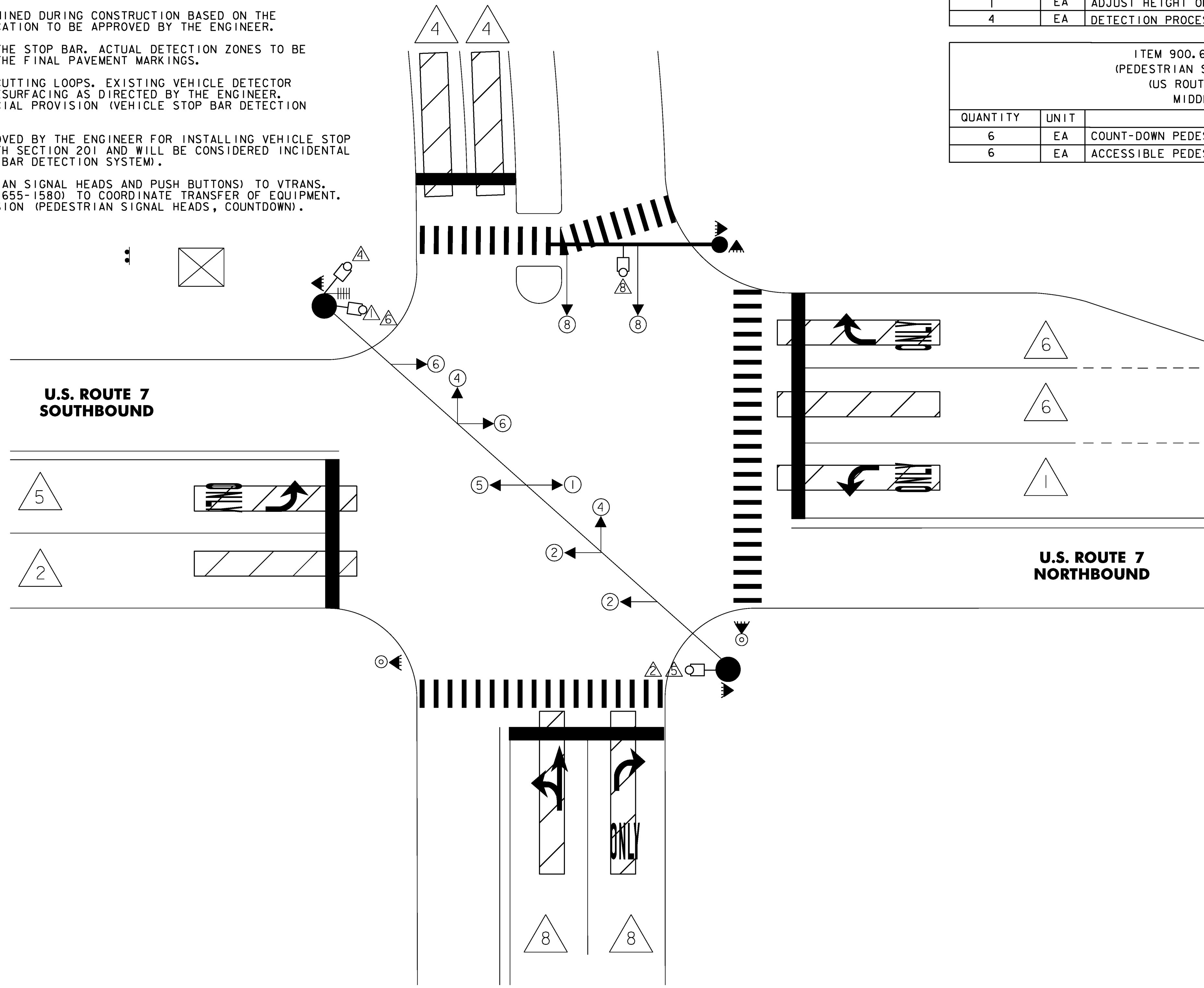
5. STOP BAR DETECTION AREAS SHALL EXTEND FIVE FEET PAST THE STOP BAR. ACTUAL DETECTION ZONES TO BE SET UP FOR OPTIMAL DETECTION BY THE CONTRACTOR BASED ON THE FINAL PAVEMENT MARKINGS.

6. STOP BAR DETECTION SYSTEM TO BE OPERATIONAL PRIOR TO CUTTING LOOPS. EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING/RESURFACING AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM).

7. ANY THINNING AND TRIMMING AND/OR REMOVAL OF TREES APPROVED BY THE ENGINEER FOR INSTALLING VEHICLE STOP BAR DETECTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 201 AND WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM).

8. SALVAGE EXISTING PEDESTRIAN SIGNAL EQUIPMENT (PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS) TO VTRANS. CONTACT STEVE GUYETTE, DISTRICT 5 SIGNAL TECHNICIAN (802-655-1580) TO COORDINATE TRANSFER OF EQUIPMENT. PAYMENT WILL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN).

HANNAFORD/  
 CENTER PLAZA  
 MM 3.967



ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (US ROUTE 7 @ CENTER PLAZA) MIDDLEBURY MM 3.967		
QUANTITY	UNIT	DESCRIPTION
4	EA	DETECTOR ASSEMBLY
500	LF	DETECTOR CABLE
4	EA	DETECTOR MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)
4	EA	DETECTION PROCESSOR CARD

ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (US ROUTE 7 @ CENTER PLAZA) MIDDLEBURY MM 3.967		
QUANTITY	UNIT	DESCRIPTION
6	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
6	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY (SEE NOTE 3)

LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
[ ]	EXISTING JUNCTION BOX
[ ]	EXISTING CONTROLLER CABINET
[ ]	EXISTING POLE
[ ]	EXISTING DETECTION AREA
[ ]	DETECTION AREA
[ ]	EXISTING DETECTOR
[ ]	PROPOSED DETECTOR
[ ]	EXISTING VEHICLE SIGNAL
[ ]	PROPOSED VEHICLE SIGNAL
[ ]	EXISTING PULL BOX
[ ]	EXISTING PEDESTRIAN SIGNAL
[ ]	PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL
[ ]	PROPOSED VEHICLE STOP BAR DETECTOR
[ ]	EXISTING WIRELESS INTERCONNECT ANTENNA

RITE AID  
 PHARMACY  
 MM 3.967

NOT TO SCALE

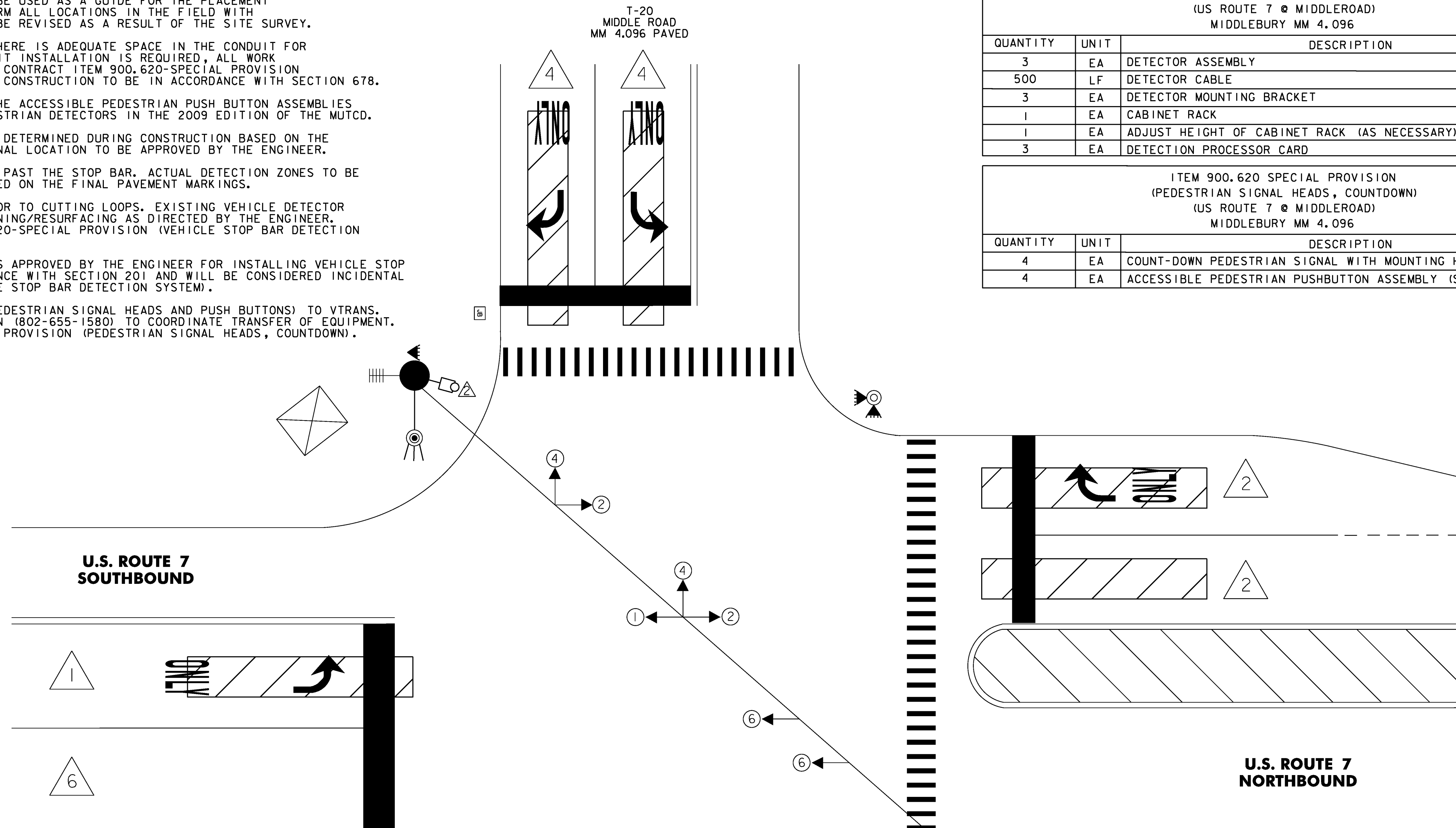
PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6i6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
TRAFFIC SIGNAL SYSTEM SHEET 1	CHECKED BY: M. FOWLER
	PLLOT DATE: 02-JUN-2014
	DRAWN BY: N. PAPPAS
	SHEET 21 OF 28

**NOTES:**

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
2. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED FOR INSTALLATION SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678.
3. FOR INFORMATION REGARDING THE INSTALLATION OF THE ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLIES (ORIENTATION, HEIGHT, ETC.), SEE SECTION 4E08-PEDESTRIAN DETECTORS IN THE 2009 EDITION OF THE MUTCD.
4. THE ACTUAL STOP BAR DETECTION LOCATION WILL BE DETERMINED DURING CONSTRUCTION BASED ON THE OPTIMAL LOCATION FOR TYPE OF DETECTOR SELECTED. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.
5. STOP BAR DETECTION AREAS SHALL EXTEND FIVE FEET PAST THE STOP BAR. ACTUAL DETECTION ZONES TO BE SET UP FOR OPTIMAL DETECTION BY THE CONTRACTOR BASED ON THE FINAL PAVEMENT MARKINGS.
6. STOP BAR DETECTION SYSTEM TO BE OPERATIONAL PRIOR TO CUTTING LOOPS. EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING/RESURFACING AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM).
7. ANY THINNING AND TRIMMING AND/OR REMOVAL OF TREES APPROVED BY THE ENGINEER FOR INSTALLING VEHICLE STOP BAR DETECTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 201 AND WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM).
8. SALVAGE EXISTING PEDESTRIAN SIGNAL EQUIPMENT (PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS) TO VTRANS. CONTACT STEVE GUYETTE, DISTRICT 5 SIGNAL TECHNICIAN (802-655-1580) TO COORDINATE TRANSFER OF EQUIPMENT. PAYMENT WILL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN).

ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (US ROUTE 7 @ MIDDLE ROAD) MIDDLEBURY MM 4.096		
QUANTITY	UNIT	DESCRIPTION
3	EA	DETECTOR ASSEMBLY
500	LF	DETECTOR CABLE
3	EA	DETECTOR MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)
3	EA	DETECTION PROCESSOR CARD

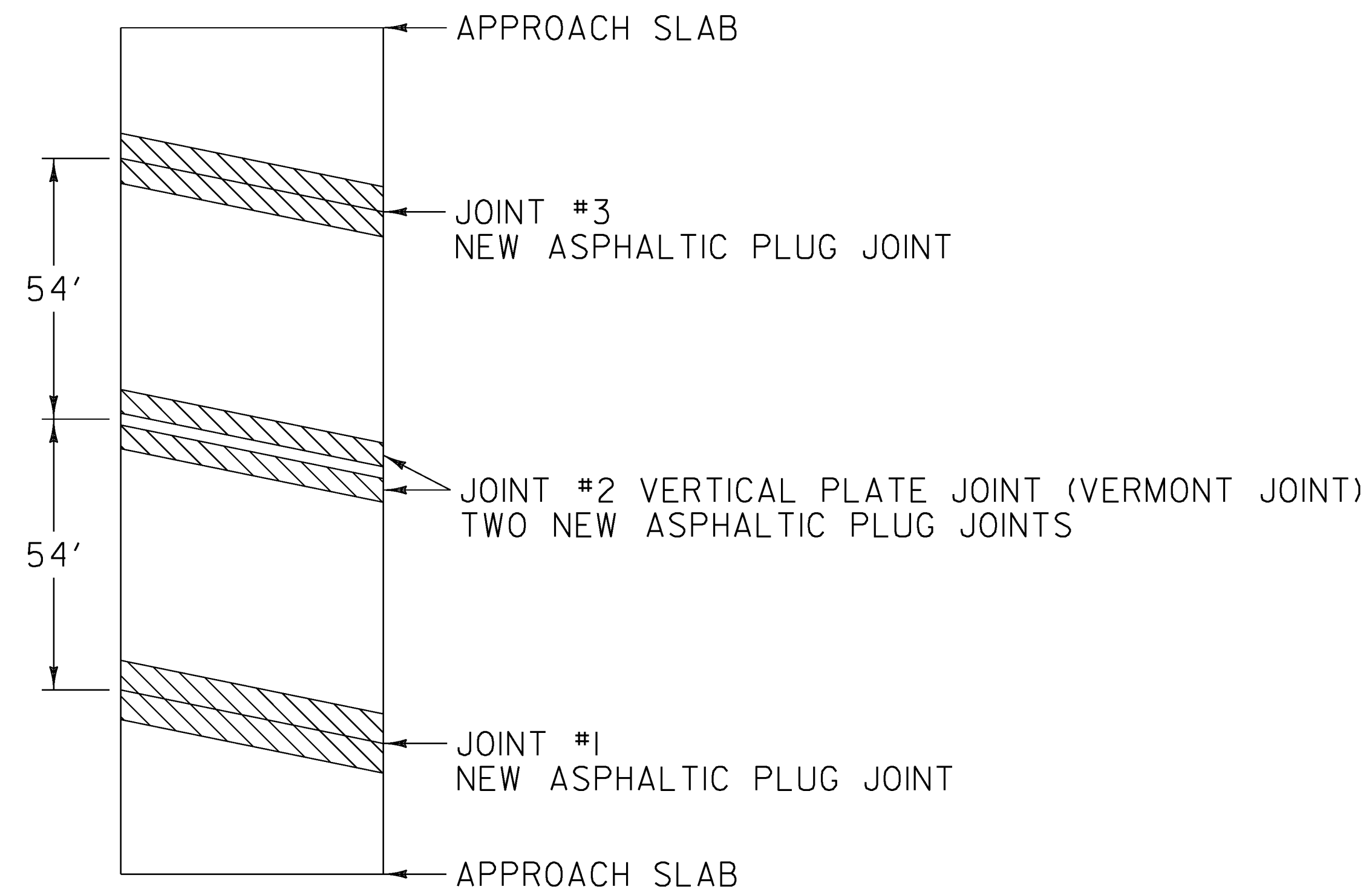
ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (US ROUTE 7 @ MIDDLE ROAD) MIDDLEBURY MM 4.096		
QUANTITY	UNIT	DESCRIPTION
4	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
4	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY (SEE NOTE 3)



LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
[ ]	EXISTING JUNCTION BOX
[ ]	EXISTING CONTROLLER CABINET
⊕	EXISTING POLE
[ ]	EXISTING DETECTION AREA
[ ]	DETECTION AREA
⊕	EXISTING DETECTOR
⊕	PROPOSED DETECTOR
←	EXISTING VEHICLE SIGNAL
←	PROPOSED VEHICLE SIGNAL
[PB]	EXISTING PULL BOX
▶	EXISTING PEDESTRIAN SIGNAL
▶	PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL
⊕	PROPOSED VEHICLE STOP BAR DETECTOR
	EXISTING WIRELESS INTERCONNECT ANTENNA

**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6i6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
TRAFFIC SIGNAL SYSTEM SHEET 2	
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	22 OF 28



**BRIDGE 120**

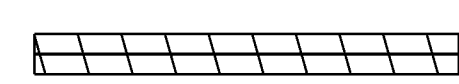
MM 3.202 LEICESTER

LENGTH OF ASPHALTIC PLUG JOINTS:

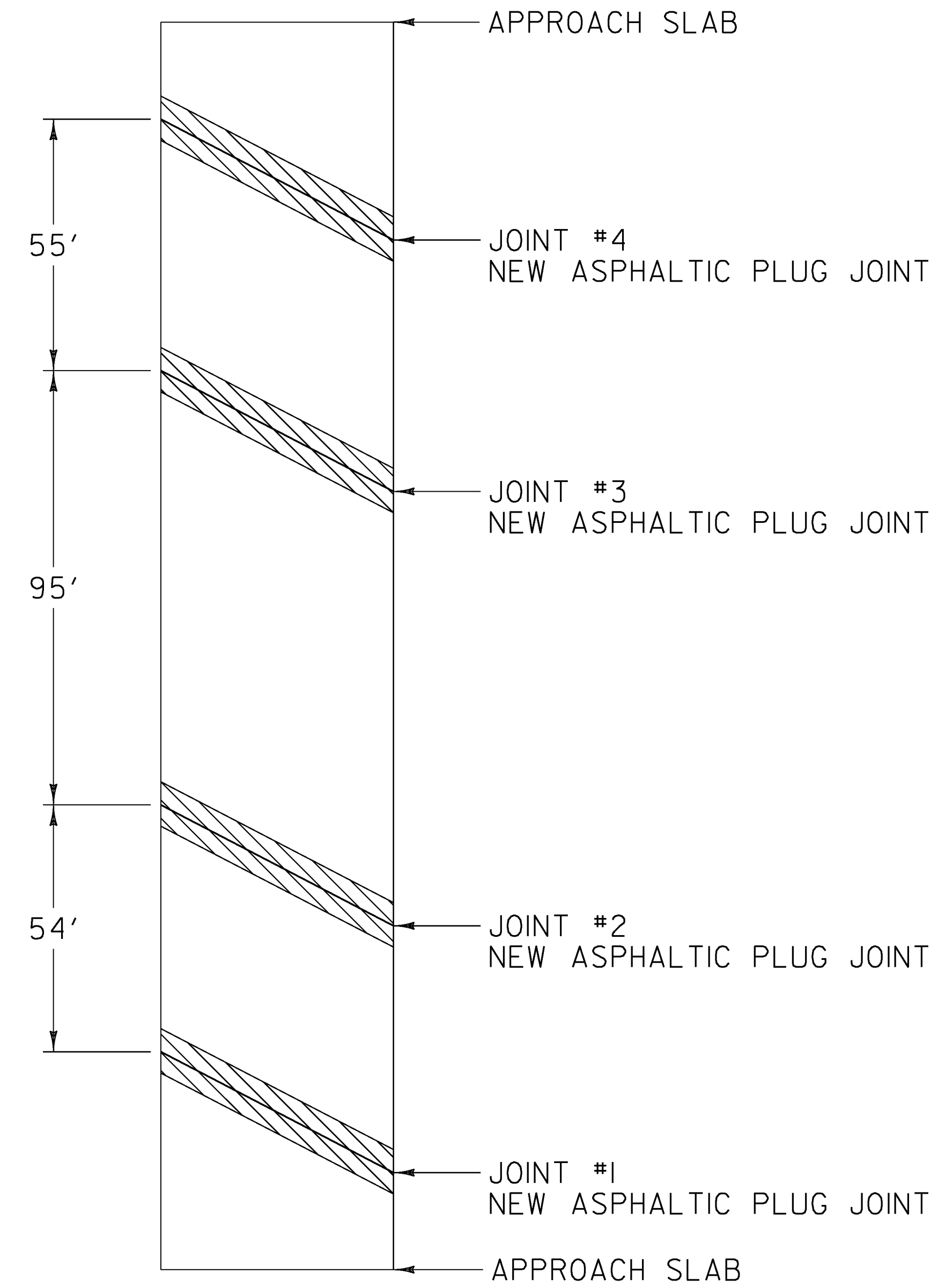
JOINT #1 - 36'  
 JOINT #2 - 2 X 36' = 72'  
 JOINT #3 - 36'

TOTAL = 144'

**LEGEND**



EXISTING BRIDGE JOINTS TO BE REPAIRED WITH ASPHALTIC PLUG JOINT



**BRIDGE 125**

MM 0.650 MIDDLEBURY

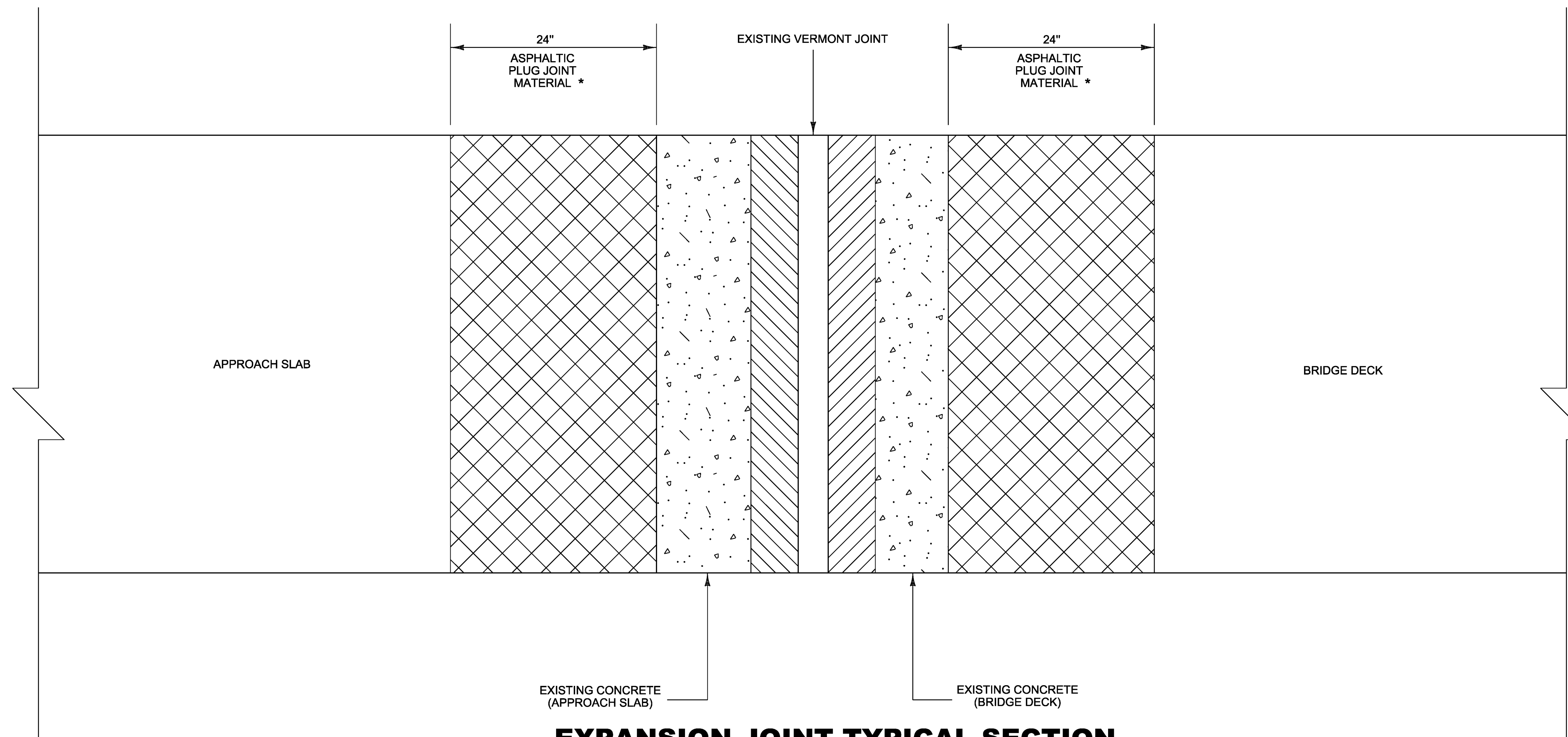
LENGTH OF ASPHALTIC PLUG JOINTS:

JOINT #1 - 42'  
 JOINT #2 - 42'  
 JOINT #3 - 42'  
 JOINT #4 - 42'

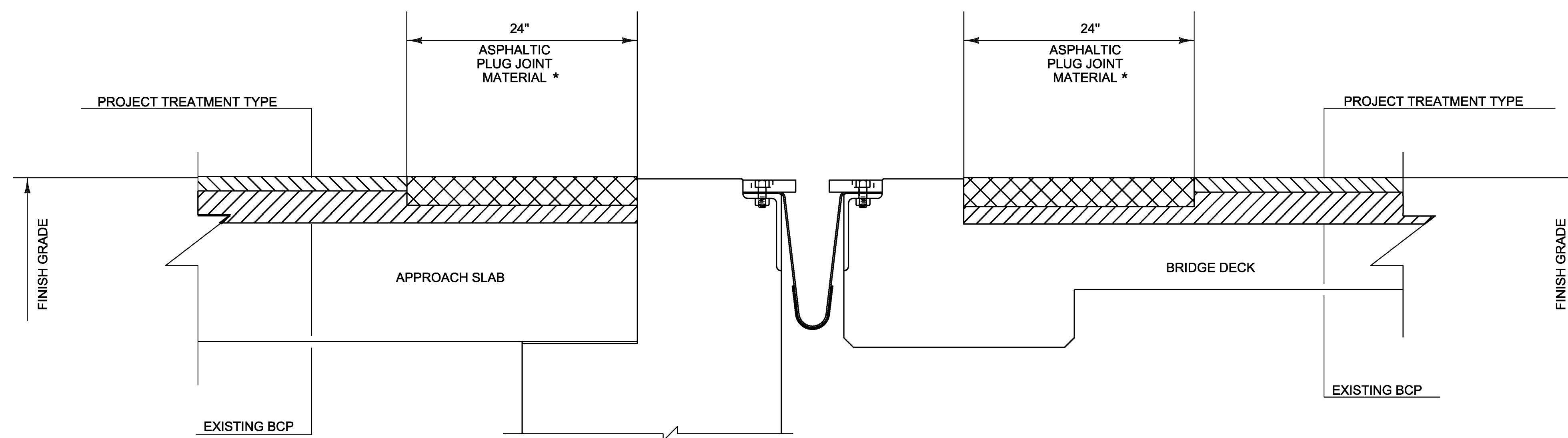
TOTAL = 168'

**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
BRIDGE EXPANSION JOINT DETAIL SHEET	
PLLOT DATE:	02-JUN-2014
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
SHEET	23 OF 28



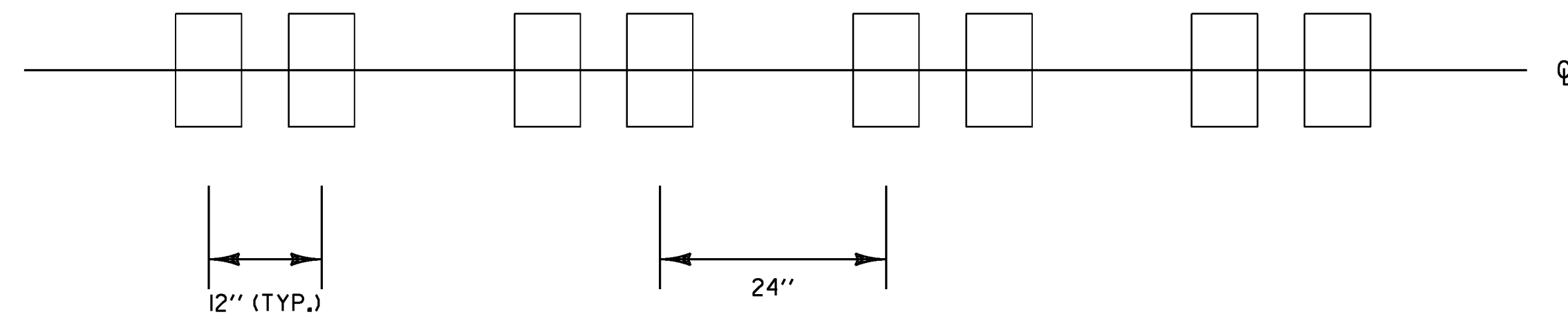
**EXPANSION JOINT TYPICAL SECTION  
PLAN VIEW  
(VERMONT JOINT)**  
NOT TO SCALE



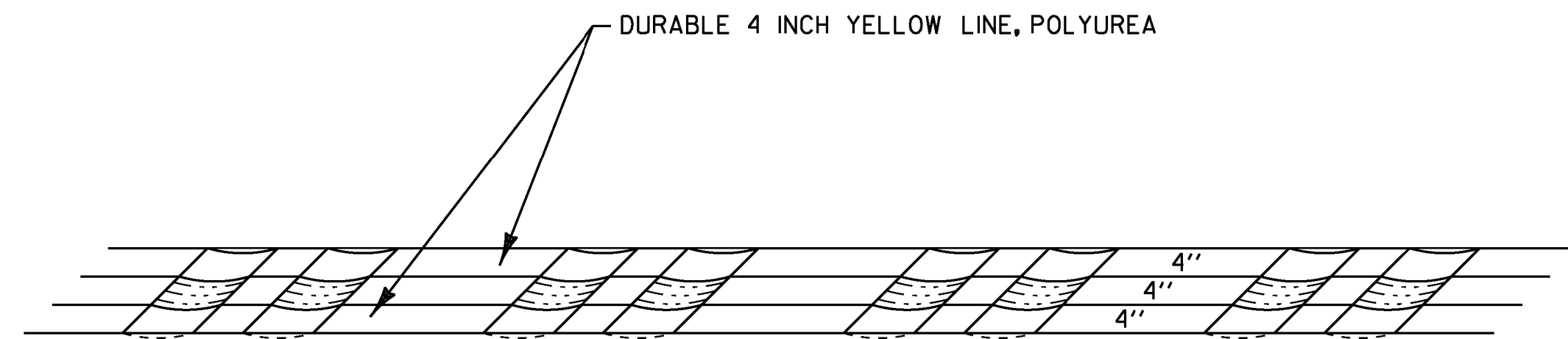
**EXPANSION JOINT TYPICAL SECTION  
CROSS SECTION  
(VERMONT JOINT)**  
NOT TO SCALE

* 2" MINIMUM THICKNESS UNLESS OTHERWISE DIRECTED BY THE ENGINEER

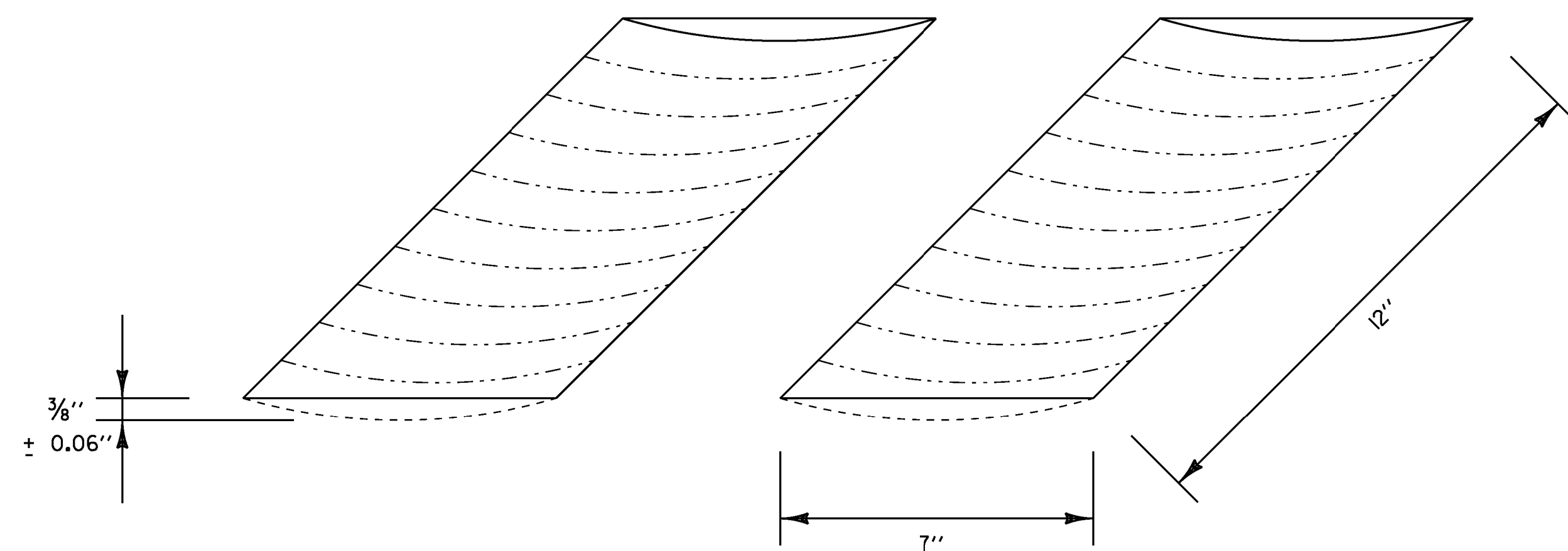
PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pl3B6I6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
VT JOINT ASPHALTIC PLUG DETAIL SHEET	PL0T DATE: 02-JUN-2014
	DRAWN BY: N. PAPPAS
	CHECKED BY: M. FOWLER
	SHEET 24 OF 28



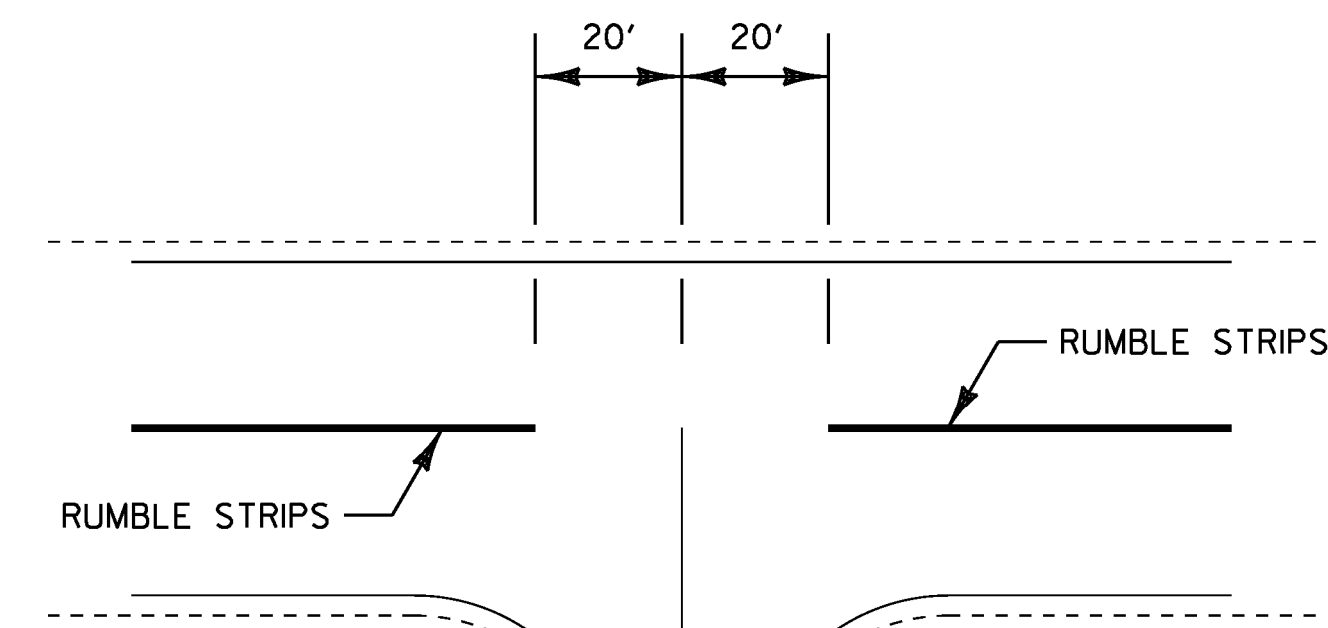
**RUMBLE STRIP LAYOUT**



**PAVEMENT MARKINGS DETAIL**



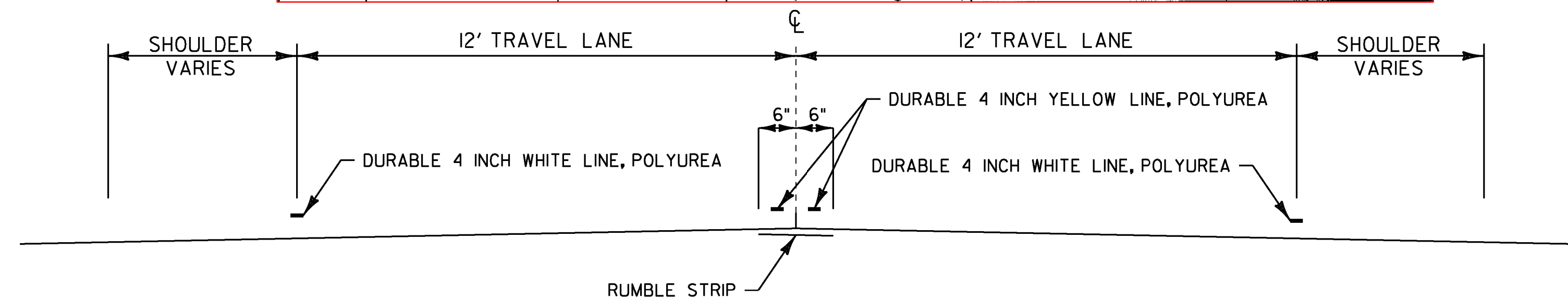
**RUMBLE STRIP DETAIL**



**INTERSECTION DETAIL**

Route	Route Begin MM	Route End MM	Town Begin MM	Town End MM	Length	Town
U007	83.671	83.833	5.826	5.988	0.162	Brandon
U007	83.916	84.296	6.071	6.451	0.38	Brandon
U007	84.343	84.854	6.498	7.009	0.511	Brandon
U007	84.898	85.262	7.053	7.417 (Townline Drive)	0.364	Brandon
U007	85.272	85.589	7.053	7.417 (Townline Drive)	0.317	Leicester
U007	85.657	86.025	7.053	7.417 (Townline Drive)	0.368	Leicester
U007	86.072	86.268	7.053	7.417 (Townline Drive)	0.195	Leicester
U007	86.324	86.520	7.053	7.417 (Townline Drive)	0.198	Leicester
U007	87.057	87.301	1.785	2.029	0.244	Leicester
U007	87.350	87.556	2.078	2.284	0.206	Leicester
U007	87.753	88.024	2.481	2.752 (Maple Street)	0.271	Leicester
U007	88.031	88.697	2.759 (Maple Street)	3.425	0.666	Leicester
U007	88.697	89.334	0	0.637 (W. Salisbury Road)	0.637	Salisbury
U007	89.343	89.692	0.646 (W. Salisbury Road)	0.995	0.349	Salisbury
U007	89.844	90.004	1.147	1.307 (Holman Road)	0.16	Salisbury
U007	90.012	90.752	1.315 (Holman Road)	2.055 (Holman Road)	0.74	Salisbury
U007	90.760	90.866	2.063 (Holman Road)	2.169	0.106	Salisbury
U007	90.908	91.311	2.211	2.614 (RT 53)	0.403	Salisbury
U007	91.319	91.418	2.622 (RT 53)	2.721	0.099	Salisbury
U007	91.470	91.939	2.773	3.242	0.469	Salisbury
U007	91.993	92.185	3.296	3.488	0.192	Salisbury
U007	92.244	92.676	3.547	3.979	0.432	Salisbury
U007	92.724	92.842	4.027	4.145	0.118	Salisbury
U007	93.017	93.134	4.32	4.438	0.118	Salisbury
U007	93.289	93.682	0.089	0.482	0.393	Middlebury
U007	93.951	94.096	0.751 (3 Mile Bridge Road)	0.896	0.145	Middlebury

**INTERSECTION DETAIL**



**RUMBLE STRIP TYPICAL SECTION**

BRANDON  
MM 5.680 - 7.425

LEICESTER  
MM 0.000 - 1.250  
MM 1.970 - 3.378

MIDDLEBURY  
MM 0.000 - 1.120  
MM 1.440 - 3.490

U007	94.206	94.416	1.006	1.216 (Note that a portion of this run will be located within the newly painted island, centerline rumble stripe should be located in the center of the island)	0.210	Middlebury
U007	94.697	94.842	1.497	1.642	0.145	Middlebury
U007	95.396	95.592	2.196	2.392	0.196	Middlebury
U007	95.823	96.078	2.623	2.878 (Halladay Road)	0.255	Middlebury
U007	96.087	96.510	2.887 (Halladay Road)	3.31	0.423	Middlebury

**NOTES:**

- CENTERLINE RUMBLE STRIPS NOT TO EXTEND BEYOND CENTERLINE WHEN CENTERLINE IS A DOUBLE YELLOW LINE, WITH OR WITHOUT A PASSING ZONE.
- CENTERLINE RUMBLE STRIP TO BE PLACED ALONG CENTERLINE OF ROADWAY.
- CENTERLINE RUMBLE STRIP TO STOP 20 FEET PRIOR TO THE CENTERLINE OF AN INTERSECTION.
- TWO APPLICATIONS OF FOG SEAL SURFACE TREATMENT SHALL BE APPLIED TO THE COMPLETED CENTERLINE RUMBLE STRIPS AT A RATE OF 0.15 GAL./SY. WITH A TOLERANCE OF +/- 0.05 GAL./SY. OR AS DIRECTED BY THE ENGINEER.

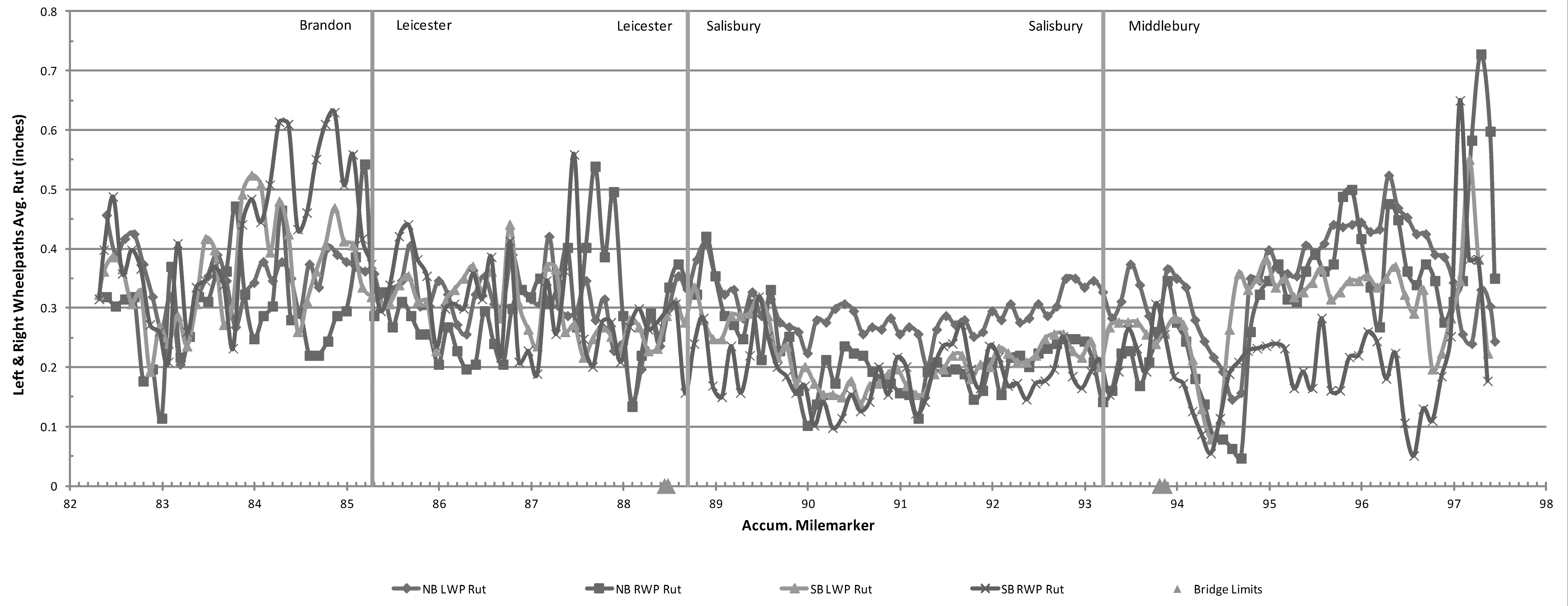
**NOT TO SCALE**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pi3B616_Brandon-Middlebury.dgn
PLOT DATE:	10-JUN-2014
PROJECT LEADER:	M. FOWLER
DRAWN BY:	N. PAPPAS
DESIGNED BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
CENTERLINE RUMBLE STRIP DETAIL SHEET	SHEET 25 OF 28

**RUTTING DATA INFORMATION**

**US 7 Brandon-Middlebury NH SURF(43) Preconstruction Ruts**

Profiled 12/4/2013



**FOR INFORMATIONAL PURPOSES ONLY**

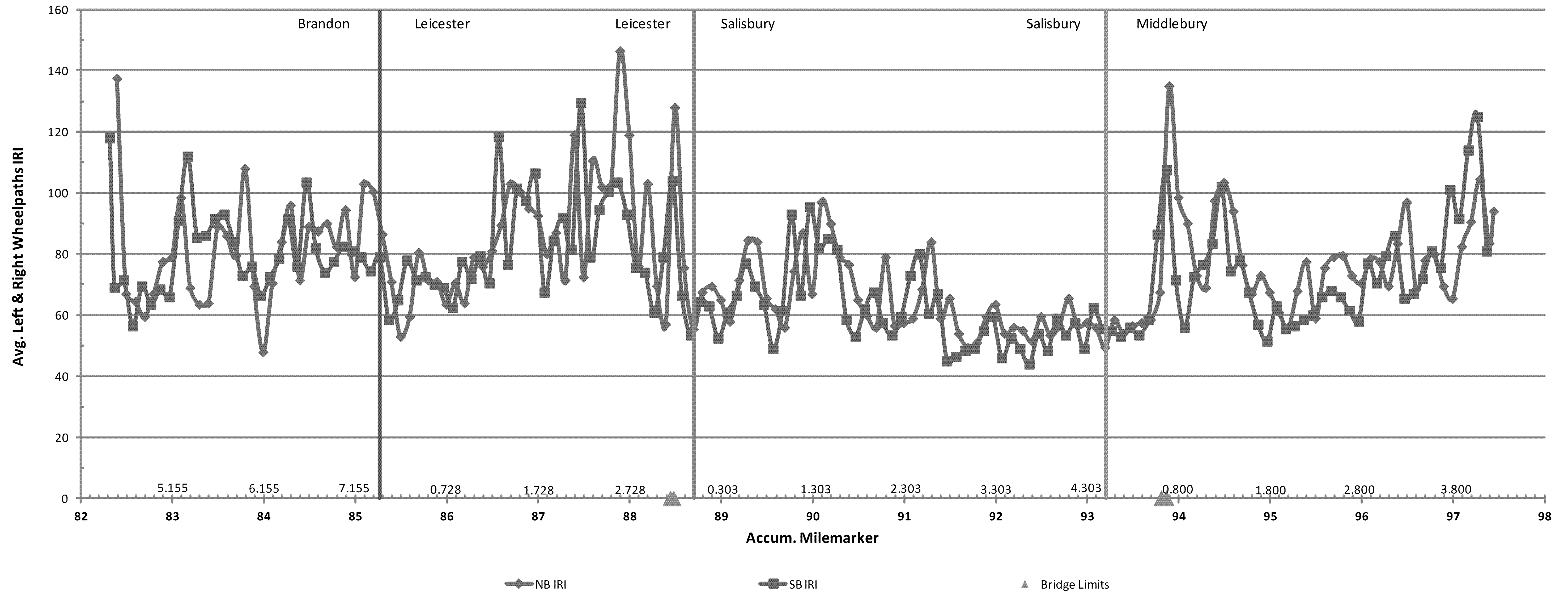
PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME: pi3B6I6_Brandon-Middlebury.dgn	PLOT DATE: 02-JUN-2014
PROJECT LEADER: M. FOWLER	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: M. FOWLER
RUTTING DATA INFORMATION SHEET	SHEET 26 OF 28

**ROUGHNESS DATA INFORMATION**

**US 7 Brandon-Middlebury NH SURF(43) Preconstruction IRI**

Profiled 12/4/2013

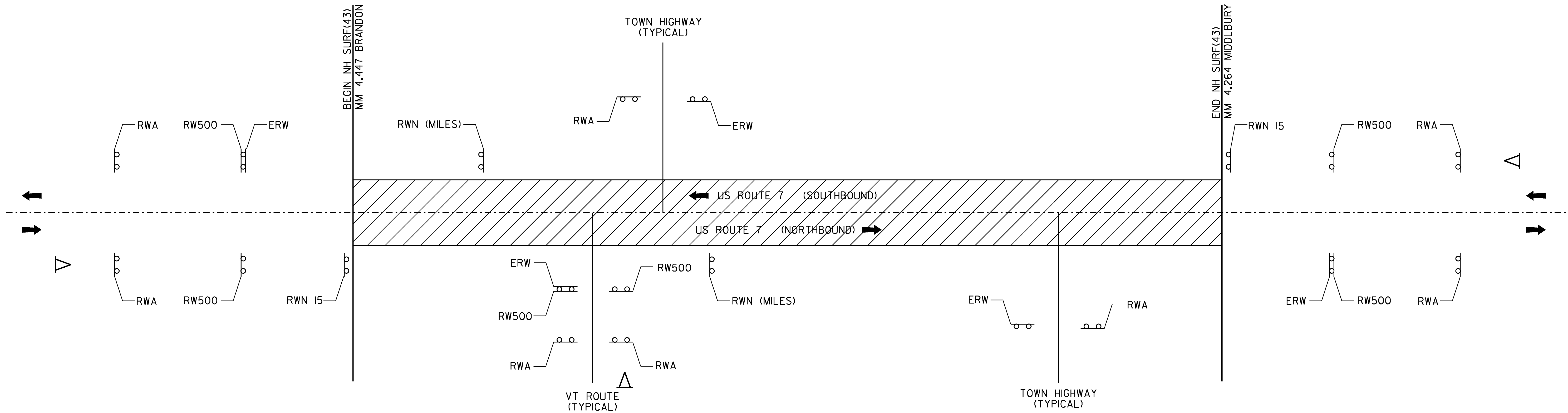
NB Avg. IRI = 76.2 SB Avg. IRI = 73.0



**FOR INFORMATIONAL PURPOSES ONLY**

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME: pi3B6I6_Brandon-Middlebury.dgn	PLOT DATE: 02-JUN-2014
PROJECT LEADER: M. FOWLER	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: M. FOWLER
ROUGHNESS DATA INFORMATION SHEET	SHEET 27 OF 28

**CONSTRUCTION APPROACH SIGNING**



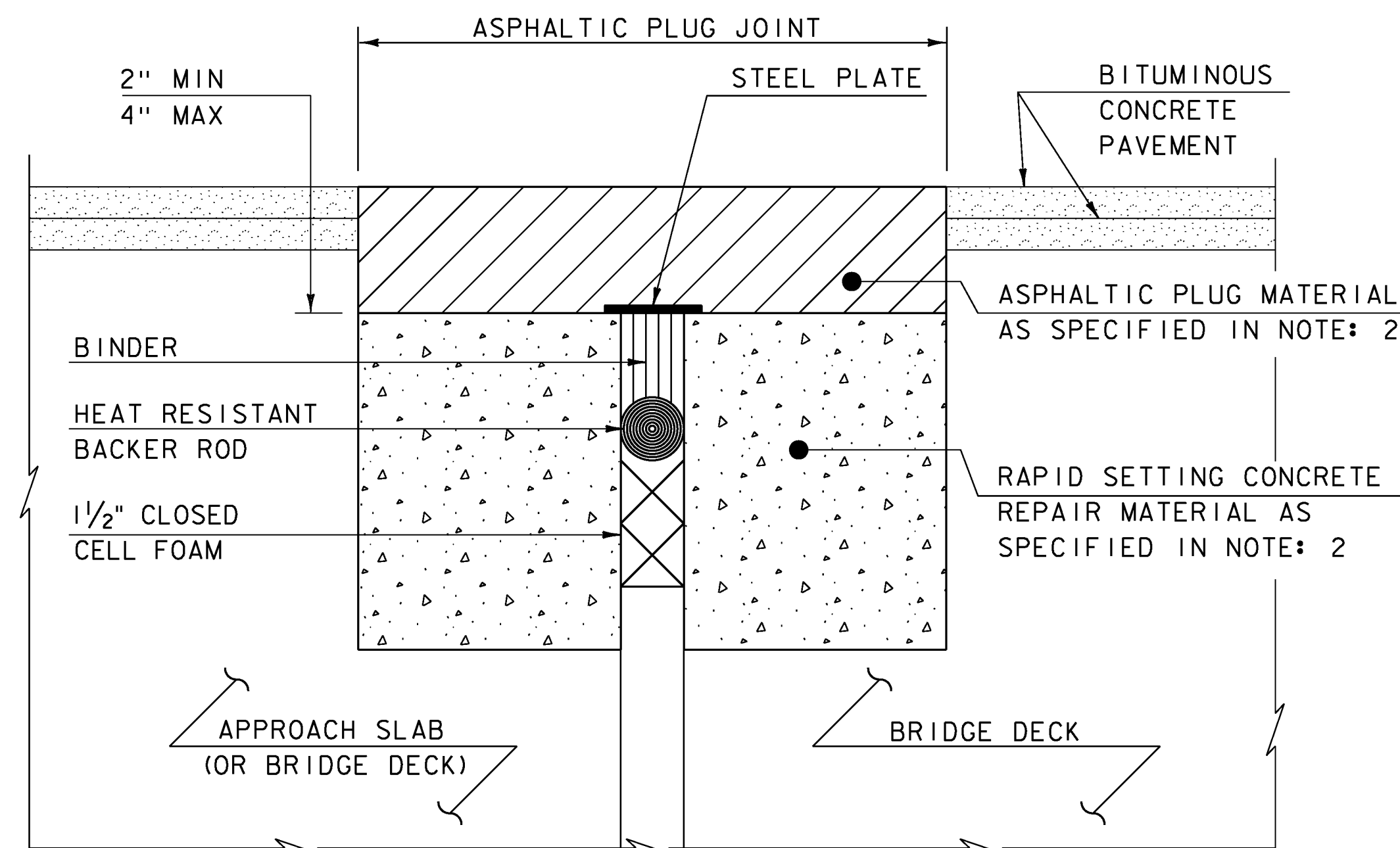
- NOTES:**
1. THE CONTRACTOR SHALL SUBMIT A SITE-SPECIFIC TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 64I.10, TRAFFIC CONTROL.
  2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VAOT STANDARD T-17 AND THE LATEST EDITION OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 64I.10, TRAFFIC CONTROL.
  3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 64I.10, 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 VTRANS STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY: 630.I0 - UNIFORMED TRAFFIC OFFICERS, AND 630.I5 - 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. 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 64I.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 SHALL NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD 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 SHALL BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
  5. 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.
  6. REFER TO VT, STATE STANDARDS AND THE LATEST EDITION OF THE MUTCD FOR TEMPORARY TRAFFIC CONTROL SIGN COLORS.
  7. EXISTING SPEED LIMIT SIGNS SHALL BE COVERED WHEN REDUCED 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.
  8. PORTABLE OR STATIONARY WORK ZONE SPEED LIMIT SIGNS SHOULD BE SPACED EVERY 1.5 TO TWO MILES WHERE APPLICABLE AND AFTER INTERSECTIONS AS A REMINDER TO THE MOTORIST TRAVELING THROUGH THE WORK ZONE WHAT SPEED THEY SHOULD BE TRAVELING.
  9. 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.
  10. 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.

11. 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.
12. 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 FOUR FEET. IF THE TPAR IS LESS THAN FIVE FEET IN WIDTH, A FIVE FOOT BY FIVE FOOT PASSING SPACE SHOULD BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE 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 CONFLICT WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
13. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF THE MUTCD SHALL BE USED.
14. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
15. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAR HAVE BEEN PROVIDED.
16. 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 AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPARS 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 64I.10, TRAFFIC CONTROL.

- LEGEND**
- RWA = ROAD WORK AHEAD
  - RW500 = ROAD WORK IN 500 FEET
  - RWN = ROAD WORK NEXT (XX MILES)
  - ERW = END ROAD WORK
  - △ = PORTABLE CHANGEABLE MESSAGE SIGN
  - ▨ = WORK AREA
  - ← = DIRECTION OF TRAFFIC FLOW

PROJECT NAME:	BRANDON - MIDDLEBURY
PROJECT NUMBER:	NH SURF(43)
FILE NAME:	pi3B6i6_Brandon-Middlebury.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	N. PAPPAS
DRAWN BY:	N. PAPPAS
CHECKED BY:	M. FOWLER
CONSTRUCTION APPROACH SIGNING SHEET	SHEET 28 OF 28

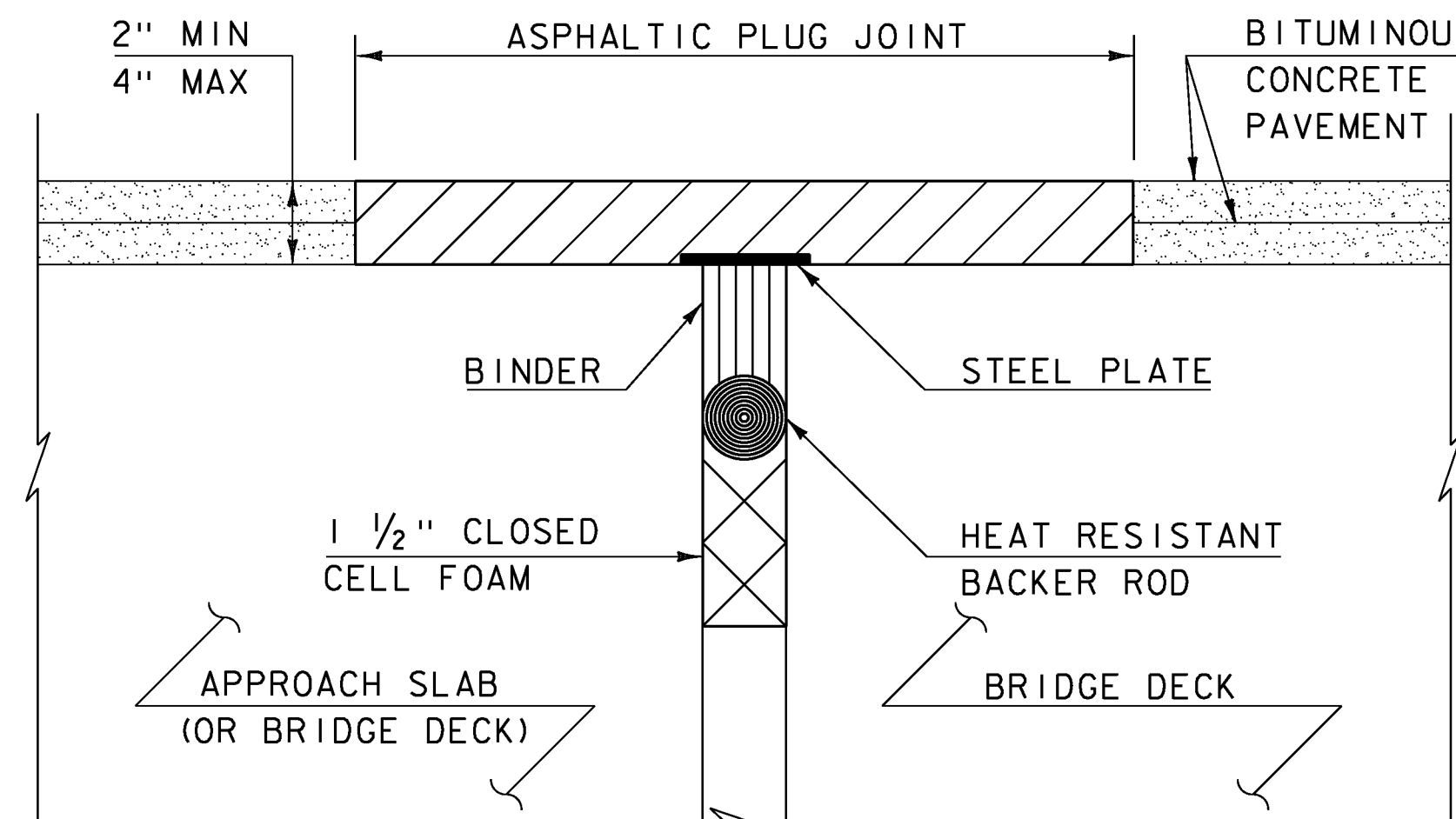
**NOT TO SCALE**



**ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB**

NOTES: (NOT TO SCALE)

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 COURSE 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 COURSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
3. REINFORCING STEEL NOT SHOWN FOR CLARITY.



**ASPHALTIC PLUG-TYPE JOINT DETAIL - NEW**

(NOT TO SCALE)

**INSTALLATION: ASPHALTIC PLUG JOINT NOTES**

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. REPAIR MATERIAL GREATER THAN 4 INCHES FROM FINISHED GRADE WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
5. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.
6. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.
7. 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.
8. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.
9. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
10. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
11. ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAY BE USED TO EXPEDITE THE COOLING PROCESS.
12. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

**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.

**REVISIONS**

MAY 7, 2010 APPROVED FOR USE BY VAOT STRUCTURES SECTION

**BRIDGE JOINT  
ASPHALTIC PLUG**

**STRUCTURES  
DETAIL**

**SD-516.10**