

INDEX OF SHEETS

SEE SHEET 2

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	1,162,500
DESIGN NUMBER OF GYRATIONS	65*
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS

* SEE SECTION 490 OF THE SPECIAL PROVISIONS FOR REDUCED GYRATIONS INFORMATION

TRAFFIC DATA

LOCATION	AADT		DHV		ESALS	
	2009	2019	2009	2019	2009-2019	2009-2029
BEGIN PROEJCT TO WEST STREET	5400	6000	870	970	973,000	2,325,000
WEST STREET TO GRAFTON ROAD	3900	4400	630	710	898,000	2,110,000
GRAFTON ROAD TO END PROJECT	3000	3400	480	550	769,000	1,807,000

STATE OF VERMONT
AGENCY OF TRANSPORTATION



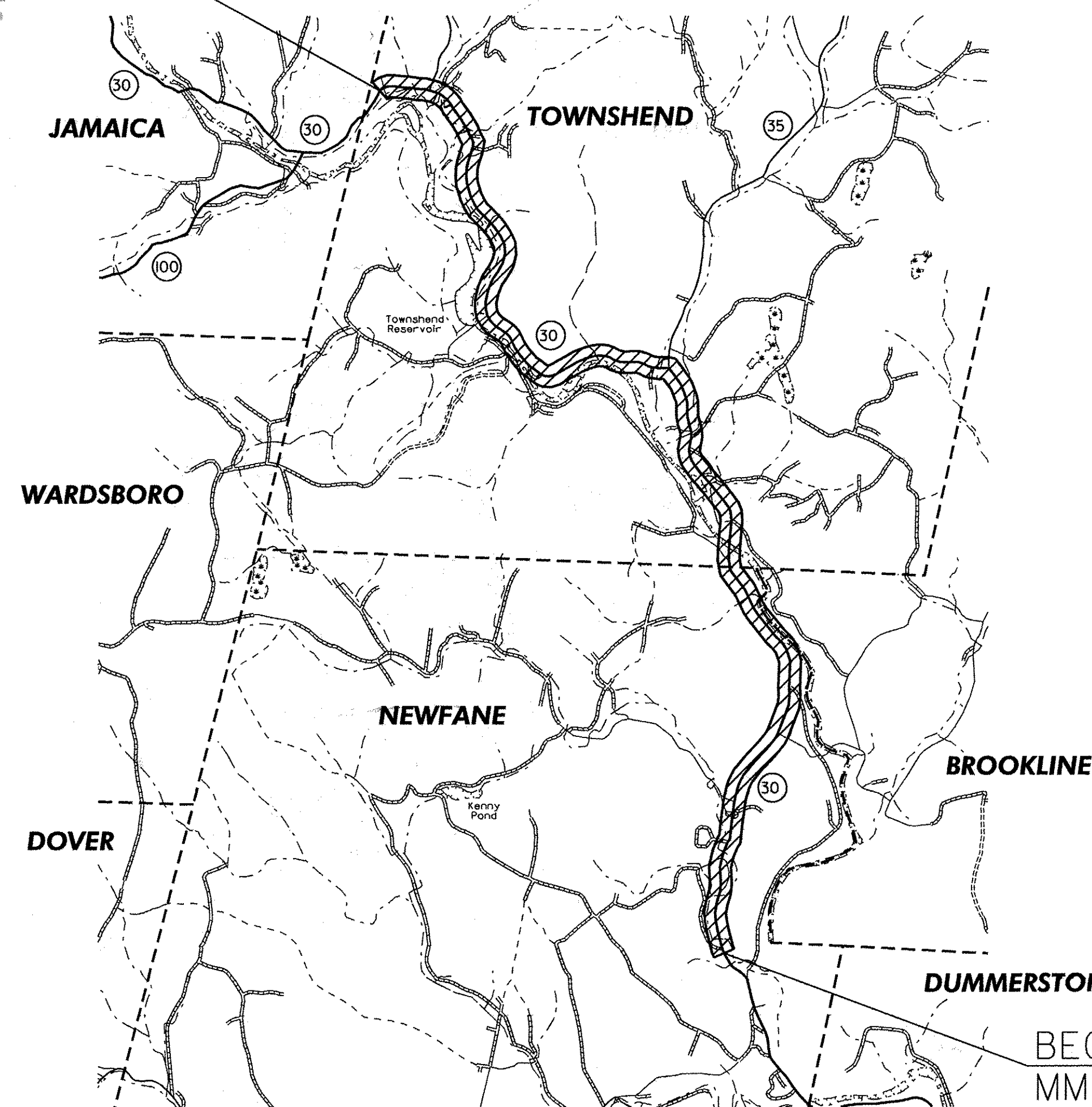
PROPOSED IMPROVEMENT
TOWNS OF NEWFANE & TOWNSHEND
COUNTY OF WINDHAM
VERMONT ROUTE 30

BEGINNING IN THE TOWN OF NEWFANE AT MILE MARKER ^{1.628} 594 AND EXTENDING NORTHERLY ALONG VERMONT ROUTE 30 FOR A DISTANCE OF 59,442.00 FT (11.258 MILES) TO MILE MARKER ^{7.295} 190 IN THE TOWN OF TOWNSHEND.

LENGTH OF ROADWAY = 59,442.00 FT = (11.258 MILES)
LENGTH OF PROJECT = 59,442.00 FT = (11.258 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RESURFACING WITH A LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, NEW SIGNS, GUARDRAIL IMPROVEMENTS, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS.

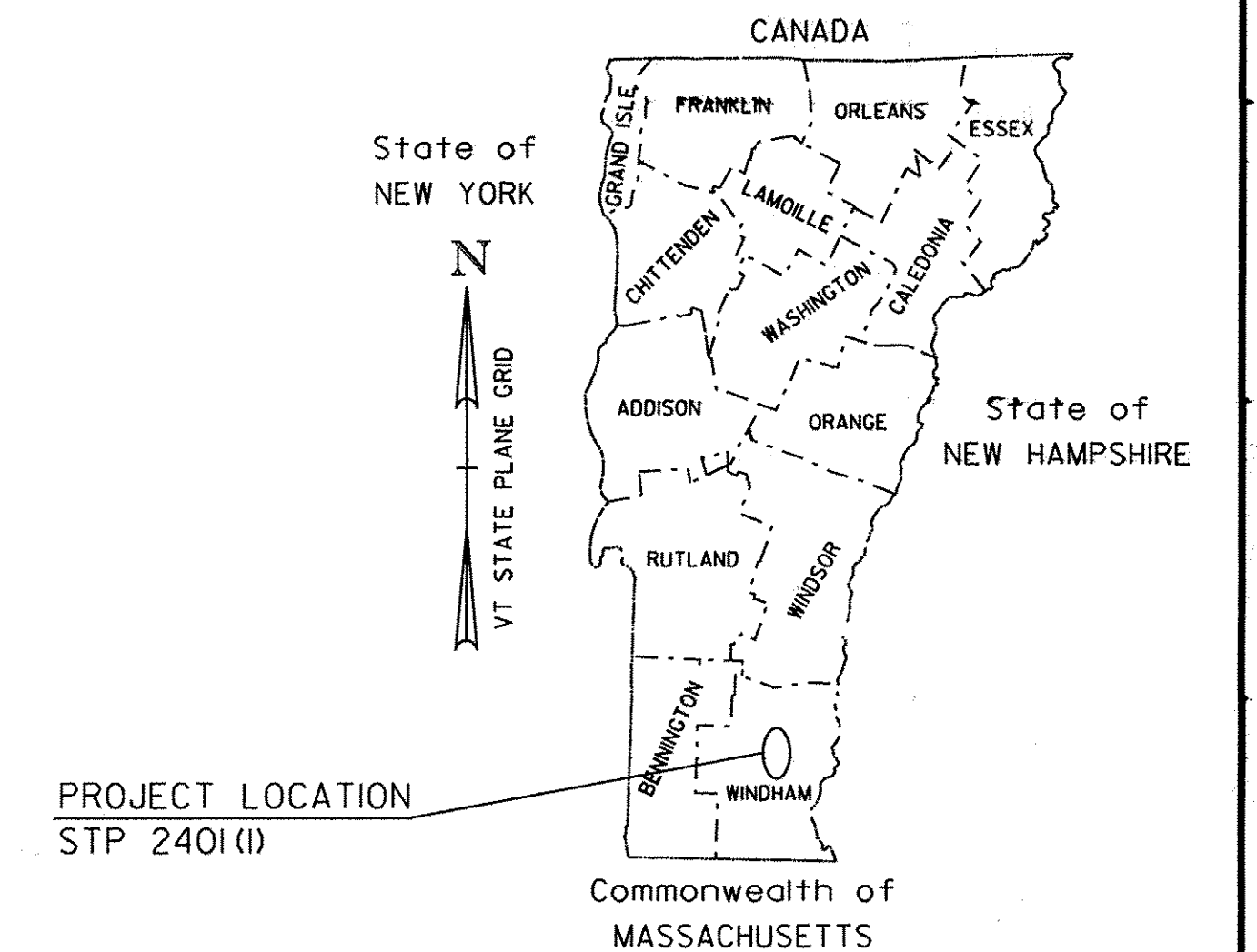
END STP 2401(I)
MM ~~7.190~~
7.295



CONSULTING ENGINEERS
540 Commercial Street
Manchester, NH 03101
Tel: (603) 668-8223
Fax: (603) 668-8802
email: cld@cldeengineers.com
Maine • New Hampshire • Vermont

CONVENTIONAL SYMBOLS

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



RECORD PLANS

CONTRACTOR: LANE CONSTRUCTION CORP. - MERIDAN, CT

RESIDENT ENGINEER: FRED ROSS

CONSTRUCTION BEGAN: JUNE 1, 2010

CONSTRUCTION COMPLETE: DECEMBER 7, 2010

RECORD PLANS BY: FRED ROSS & AMOS KEMPTON

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

BY: *Fred Ross* RESIDENT ENGINEER
DATE: 10-12-11

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.

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED: *Kevin Marshia* DATE: 2-8-10

PROJECT MANAGER: KEVIN MARSHIA

PROJECT NAME: NEWFANE - TOWNSHEND

PROJECT NUMBER: STP 2401 (I)

SHEET 1 OF 32 SHEETS

BEGIN STP 2401(I)
MM ~~1.594~~
1.628

p01b036.dgn
p01b036_01.i

INDEX OF SHEETS

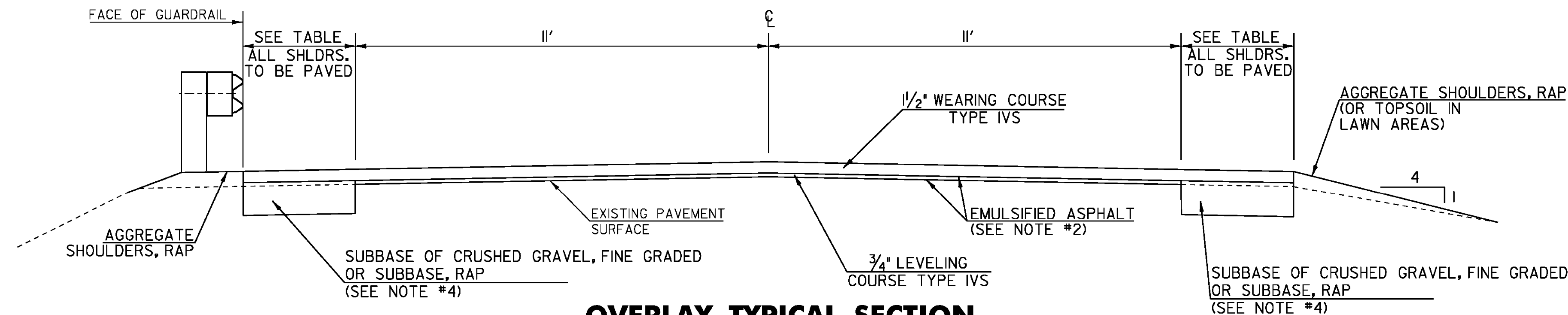
STD	DATE	DESCRIPTION
B-7I	7/8/2005	RESIDENTIAL AND COMMERCIAL DRIVES
C-3A	3/10/2008	SIDEWALK RAMPS
C-3B	3/10/2008	SIDEWALK RAMPS AND MEDIAN ISLANDS
C-10	2/11/2008	CURBING
D-6	6/1/1994	REINFORCED CONCRETE DROP INLET W/GRATE (DITCHES)
D-9	6/1/1994	REINFORCED CONCRETE DROP INLET TOPS - VERTICAL CURB & THROAT ADAPTER
D-10	6/1/1994	REINFORCED CONCRETE DROP INLET TOPS - BITUMINOUS CONCRETE CURB & GRANITE SLOPE EDGING
D-15	6/1/1994	PRECAST REINF. CONC. CATCH BASIN W/CAST IRON GRATE, PRECAST REINF. CONC. MANHOLE W/ CAST IRON COVER, CAST IRON GRATE WITH FRAME, TYPE D - CAST IRON GRATE WITH FRAME, TYPE E
E-100	1/2/2004	CONSTRUCTION APPROACH SIGNS
E-100A	1/2/2004	SIDE ROAD CONSTRUCTION APPROACH SIGNS
E-101	5/30/2003	CONSTRUCTION SIGN DETAILS
E-102	6/30/2003	CONSTRUCTION SIGN DETAILS
E-102A	5/1/2004	CONSTRUCTION SIGN DETAILS
E-106	3/1/2004	TRAFFIC CONTROL MISCELLANEOUS DETAILS
E-107	6/30/2003	DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY
E-107A	6/8/2009	BREAKAWAY BARRICADE DETAILS
E-108	6/8/2009	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS
E-108A	6/8/2009	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING
E-110	8/8/1995	MAJOR MAINTENANCE OPERATION LANE CLOSURE
E-119	3/1/2004	UTILITY WORK ZONE
E-121	8/8/1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
E-138	5/30/2003	MILEMARKER DETAILS - STATE AND TOWN HIGHWAYS
E-141	9/20/1995	REGULATORY SIGN DETAILS
E-143	6/15/2004	REGULATORY SIGN DETAILS
E-152	5/1/2004	WARNING SIGN DETAILS
E-164	6/8/2009	SQUARE STEEL SIGN POST
E-191	2/1/1999	PAVEMENT MARKING DETAILS
E-192	10/12/2000	PAVEMENT MARKING DETAILS
E-193	8/18/1995	PAVEMENT MARKING DETAILS
G-1	1/3/2000	STEEL BEAM GUARDRAIL WITH STEEL POSTS, STEEL BEAM GUARDRAIL WITH WOOD POSTS
G-1d	1/3/2000	STEEL BEAM GUARDRAIL APPROACH AND TRAILING END TERMINAL, ANCHOR FOR STEEL BEAM RAIL, STEEL BEAM MEDIAN BARRIER
G-17a	9/27/2002	MODIFIED ECCENTRIC LOADER TERMINAL WITH WOOD POSTS (MELT)
G-17b	9/27/2002	MODIFIED ECCENTRIC LOADER TERMINAL WITH WOOD POSTS (MELT)
G-19	11/15/2002	GENERIC PLANS FOR GUARDRAIL END TERMINALS
SB-R4A-82	9/19/1989	BRIDGE RAILING GALVANIZED BOX BEAM

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PROJECT NAME:	NEWFANE-TOWNSHEND
PROJECT NUMBER:	STP 2401 (1)
FILE NAME:	p01b036.dgn
PROJECT LEADER:	CRB
DESIGNED BY:	JBZ
IPARM FILE NAME:	p01b036_02.1
PLOT DATE:	04-FEB-2010
DRAWN BY:	JBZ
CHECKED BY:	BDB
SHEET	2 OF 32

GENERAL NOTES

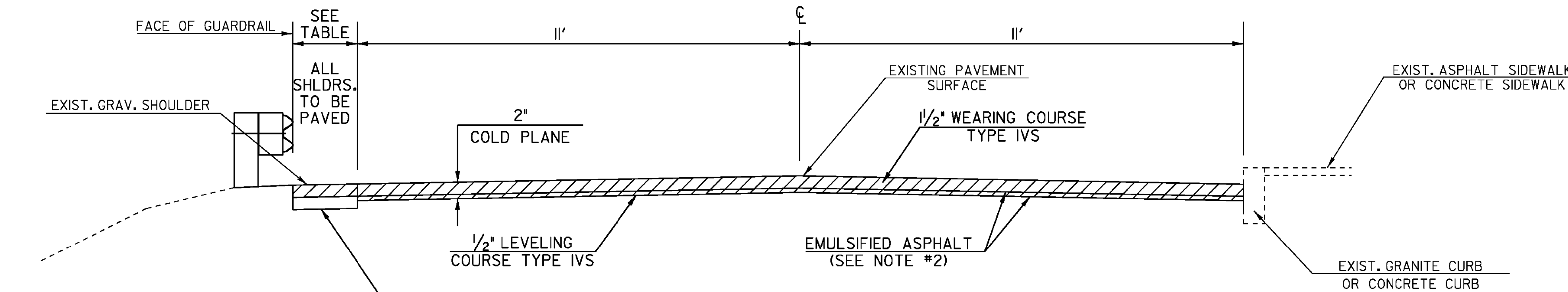
- THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS, ITEM 490.30, AS SHOWN ON THE TYPICAL SECTIONS, UNLESS DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH SECTION 490 GENERAL SPECIAL PROVISIONS.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS EXCLUDING LEVEL COURSE).
- EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS POWER GRADER RENTAL, ITEM 608.15. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED OR ITEM 301.40 SUBBASE, RAP AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE VTRANS RESIDENT ENGINEER. THIS WORK SHALL BE DONE BEFORE THE LEVELING COURSE IS PAVED TO ALLOW ALL OF THE LIFTS OF PAVEMENT THROUGHOUT THE WIDENED AREA.
- COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL SECTIONS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT. PAVED TEMPORARY FILLETS SHALL BE PAID INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- BITUMINOUS CONCRETE PAVEMENT WORK, WHICH WILL INVOLVE SOME HAND-WORK (SUCH AS PUBLIC AND / OR PRIVATE DRIVES AND PERMITTED DRIVES), SHALL BE PAID FOR UNDER ITEM 900.675, SPECIAL PROVISION - (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES), SUPERPAVE BITUMINOUS CONCRETE MATERIAL PLACED BY MECHANICAL METHODS AT THESE LOCATIONS IS EXCLUDED. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS, WHETHER BY HAND OR MECHANICAL METHODS, SHALL BE PAID UNDER THE APPROPRIATE CONTRACT PAY ITEM FOR SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AND PLACED WITH A 1:4 TAPER AND WILL BE PAID FOR UNDER ITEM 402.13, AGGREGATE SHOULDERS, RAP.
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED, ITEM 402.13, AGGREGATE SHOULDERS, RAP, AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
- ITEMS 604.412, 604.415 AND 604.418 ARE ESTIMATED ITEMS AND SHALL BE PERFORMED AT LOCATIONS SHOWN ON THE LAYOUT SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED SUCH THAT THE NEW GRATE ELEVATION MATCHES WITH THE SURROUNDING TERRAIN.
- 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 RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- YIELDING MARKER POSTS, ITEM 619.17, SHALL BE USED TO DELINEATE CULVERT ENDS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
- 3' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED AND PAID FOR UNDER ITEM 621.205.
- 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.
- AN ESTIMATED QUANTITY 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 EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR FLARE CONSTRUCTION. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF DITCHING MATERIAL OR TOPSOIL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ITEM 653.20, TEMPORARY EROSION MATTING SHALL BE PLACED ON SLOPES GREATER THAN 4:6 CREATED BY THE GUARDRAIL FLARE. THE QUANTITIES REFLECT 25 SY OF ITEM 653.20, TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL FLARE.
- VTRANS DISTRICT 2 HAS THE RIGHT TO RETAIN ANY GUARDRAIL AND APPURTENANCES THEY DEEM RE-USABLE.
- ALL STATIONING IS REFERENCED TO MILE MARKERS ONLY.



OVERLAY TYPICAL SECTION

NOT TO SCALE

NEWFANE	- MM 3.400 TO MM 5.382
	- MM 5.384 TO MM 5.662
TOWNSHEND	- MM 0.000 TO MM 0.155
	- MM 0.241 TO MM 1.000
	- MM 2.356 TO MM 2.690
	- MM 3.160 TO MM 6.300
	- MM 6.720 TO MM 7.190



COLD PLANE TYPICAL SECTION

NOT TO SCALE

NEWFANE	- MM 1.594 TO MM 1.735	TOWNSHEND	- MM 1.000 TO MM 1.381
	- MM 1.743 TO MM 2.189		- MM 1.390 TO MM 1.732
	- MM 2.198 TO MM 2.558		- MM 1.732 TO MM 2.356
	- MM 2.571 TO MM 2.690		- MM 6.300 TO MM 6.720
	- MM 3.160 TO MM 3.400		

PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	*LEFT SHOULDER	*LANE TYPICAL	*RIGHT SHOULDER	WEARING DEPTH	LEVELING DEPTH	LEVELING	NOTES
VT RTE 30	1.628								
NEWFANE	MM 1.594	MM 1.735	3.0	11.0-11.0	3.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 1.735	MM 1.743	5.5	11.0-11.0	5.5	1 1/4"	-	-	BRIDGE 11 COLD PLANE 1 1/4", PAVE 1 1/4" TYPE IVS
	MM 1.743	MM 2.189	3.0	11.0-11.0	3.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 2.189	MM 2.198	4.0	11.0-11.0	4.0	1 1/4"	-	-	BRIDGE 12 COLD PLANE 1", PAVE 1 1/4" TYPE IVS
	MM 2.198	MM 2.558	3.0	11.0-11.0	3.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 2.558	MM 2.571	4.0	11.0-11.0	4.0	1 1/4"	-	-	BRIDGE 13 COLD PLANE 1", PAVE 1 1/4" TYPE IVS
	MM 2.571	MM 2.690	3.0	11.0-11.0	3.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 2.690	MM 3.160	3.0	11.0-11.0	3.0	1 1/2"	1/2"	IVS	**COLD PLANE 2", PLACE 2" TYPE III, OVERLAY 1 1/2" TYPE IVS
	MM 3.160	MM 3.400	3.0	11.0-11.0	3.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 3.400	MM 5.382	2.0	11.0-11.0	3.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 5.382	MM 5.384	2.0	11.0-11.0	2.0	1 1/4"	-	-	BRIDGE 14 COLD PLANE 1", PAVE 1 1/4" TYPE IVS
	MM 5.384	MM 5.662	2.0	11.0-11.0	3.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
TOWNSHEND									
	MM 0.000	MM 0.075	2.0	11.0-11.0	3.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 0.075	MM 0.155	5.0	11.0-11.0	3.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 0.155	MM 0.241	4.0	11.0-11.0	4.0	1 1/4"	-	-	BRIDGE 15 COLD PLANE 1 1/4", PAVE 1 1/4" TYPE IVS
	MM 0.241	MM 0.370	5.0	11.0-11.0	3.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 0.370	MM 1.000	4.0	11.0-11.0	4.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 1.000	MM 1.381	4.0	11.0-11.0	4.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 3/4", OVERLAY 1 1/2" TYPE IVS
	MM 1.381	MM 1.390	4.0	11.0-11.0	4.0	1 1/4"	-	-	BRIDGE 18 COLD PLANE 1", PAVE 1 1/4" TYPE IVS
	MM 1.390	MM 1.732	4.0	11.0-11.0	4.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 1.732	MM 2.356	2.0	11.0-11.0	2.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 2.356	MM 4.000	2.0	11.0-11.0	2.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 4.000	MM 6.300	5.0	11.0-11.0	5.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS
	MM 6.300	MM 6.720	5.0	11.0-11.0	5.0	1 1/2"	1/2"	IVS	COLD PLANE 2", LEVEL 1/2", OVERLAY 1 1/2" TYPE IVS
	MM 6.720	MM 7.190	5.0	11.0-11.0	5.0	1 1/2"	3/4"	IVS	LEVEL 3/4" AND OVERLAY 1 1/2" TYPE IVS

*EXISTING PAVEMENT WIDTHS WERE MATCHED DUE TO CONSTRUCTABILITY CONSTRAINTS

**USE TO BE DETERMINED BY THE RESIDENT ENGINEER

PROJECT TYPICAL SHEET 1

PROJECT NAME: NEWFANE-TOWNSHEND

PROJECT NUMBER: STP 2401(1)

FILE NAME: p01b036.dgn

PROJECT LEADER: CRB

DESIGNED BY: JBZ

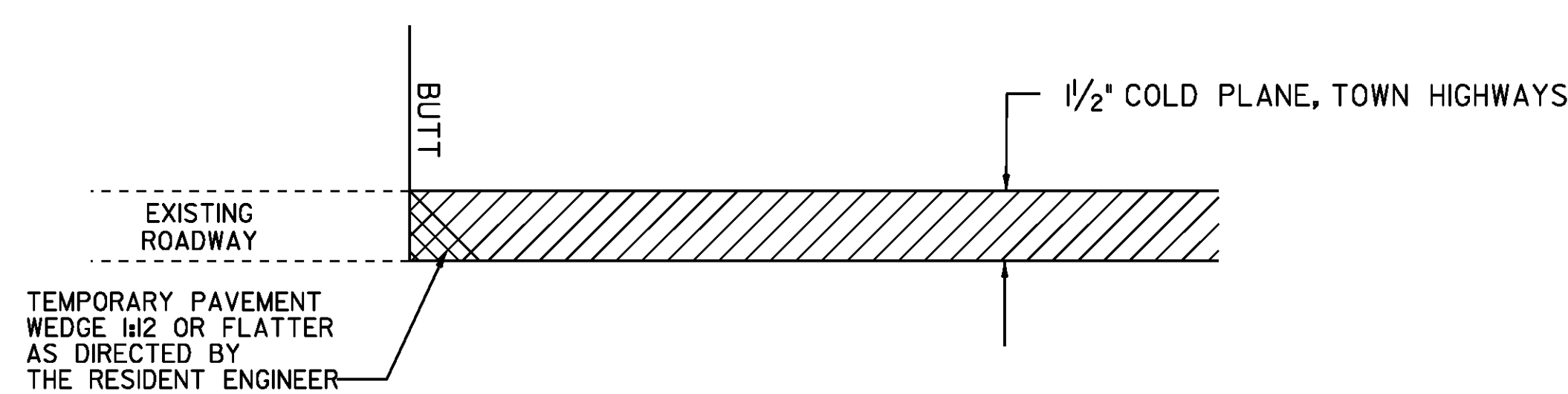
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PLOT DATE: 04-FEB-2010

DRAWN BY: JBZ

CHECKED BY: BDB

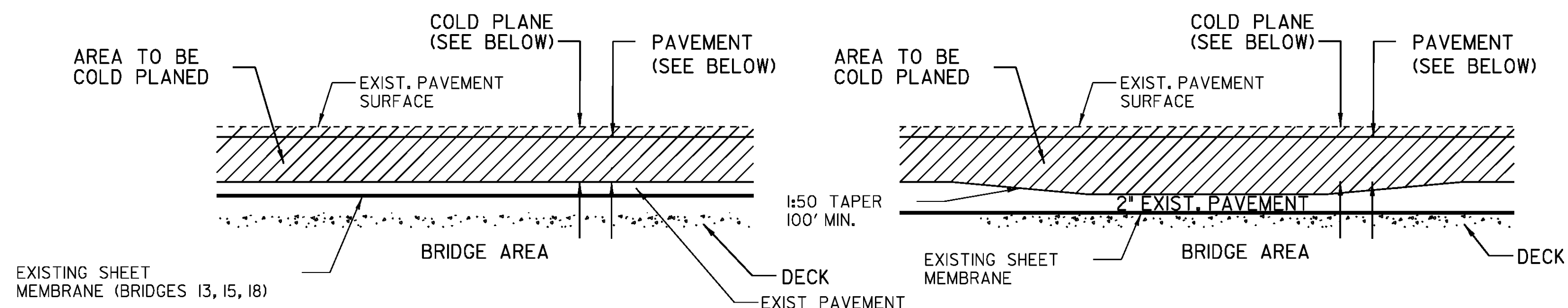
SHEET 3 OF 32



APPROACH AREA DETAIL - BUTT AGAINST TOWN HIGHWAYS

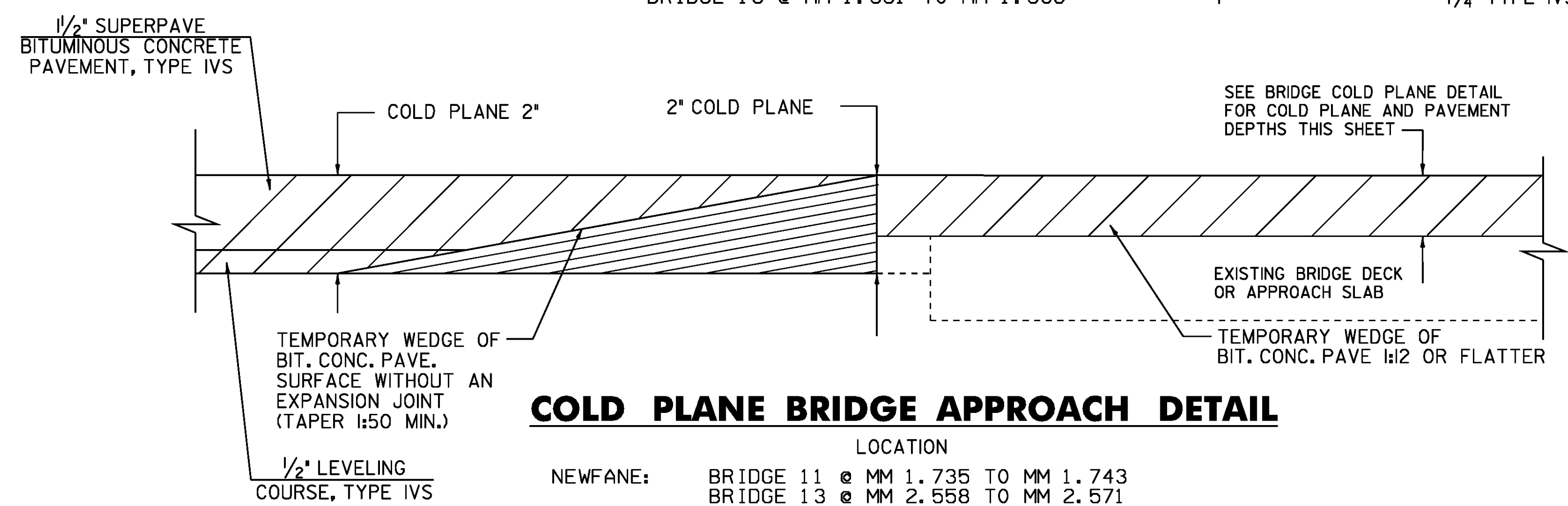
- LOCATION
- USE FOR TOWN HIGHWAYS THAT ARE PAVED IN COLD PLANE AREAS
 - ALL TOWN HIGHWAYS TO BE PAVED 25 FEET UNLESS OTHERWISE NOTED ON PLANS OR DIRECTED BY RESIDENT ENGINEER

TOWN/STATE HIGHWAY NAME	LOCATION MM	TOWN/STATE HIGHWAY NAME	LOCATION MM
NEWFANE		TOWNSHEND	
TH 45 BROWNS RD	1.600 LT	TH 70 SAW DUST ALLEY	1.289 RT
TH 18 BACK ST	2.226 RT	TH 25 EAST HILL RD	1.404 RT
TH 18 BACK ST	2.525 RT	TH 35 DEPOT RD	1.414 LT
TH 21 BRUCE BROOK RD	2.593 LT	TH 1 GRAFTON RD	2.055 RT
TH 76 LOOP RD	2.716 LT	TH 1 GRAFTON RD	2.070 RT
TH 56 JAIL ST	2.878 RT	TH 53 COMMON RD	2.117 RT
TH 1 WEST ST	2.930 LT	TH 54 OAKWOOD CEMETARY	2.195 LT
TH 56 JAIL ST	2.935 RT	TH 51 FAUREAU'S CORNER	6.302 LT
TH 16 CEMETERY HILL RD	2.957 RT	TH 49 ISLAND RD	6.458 LT
TH 1 COURT ST	2.978 LT	TH 7 BACK WINDHAM RD	6.535 RT
TH 14 CROSS ST (ONE WAY)	3.091 LT	TH 3 WINDHAM HILL RD	6.598 RT



BRIDGE COLD PLANE DETAIL **BRIDGE #12 COLD PLANE DETAIL**

	LOCATION	COLD PLANE DEPTH	OVERLAY
NEWFANE:	BRIDGE 11 @ MM 1.735 TO MM 1.743	1 1/4"	1 1/4" TYPE IVS
	BRIDGE 12 @ MM 2.189 TO MM 2.198	4"	1 1/4" TYPE IVS
	BRIDGE 13 @ MM 2.558 TO MM 2.571	1"	1 1/4" TYPE IVS
	BRIDGE 14 @ MM 5.382 TO MM 5.384	1"	1 1/4" TYPE IVS
TOWNSHEND:	BRIDGE 15 @ MM 0.155 TO MM 0.241	1 1/4"	1 1/4" TYPE IVS
	BRIDGE 18 @ MM 1.381 TO MM 1.390	1"	1 1/4" TYPE IVS

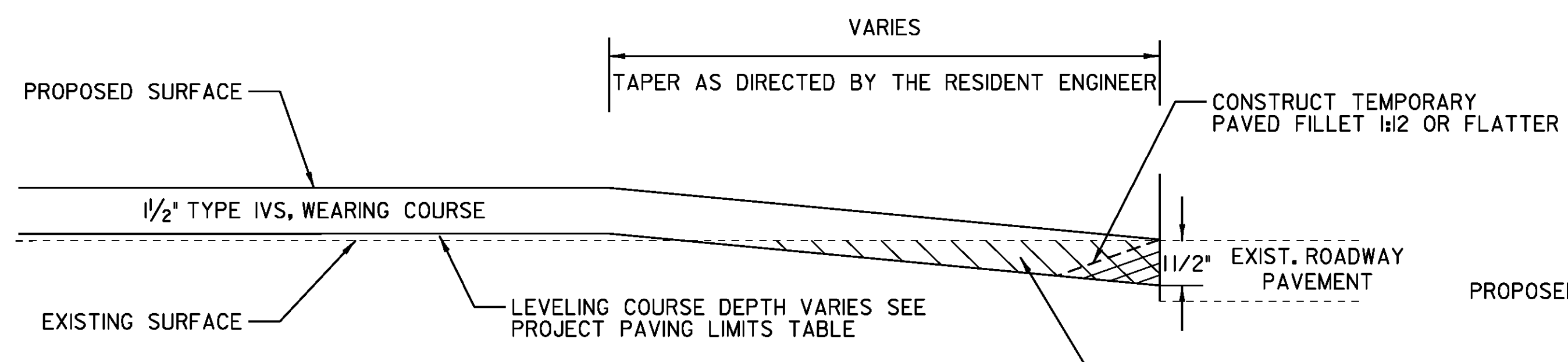


COLD PLANE BRIDGE APPROACH DETAIL

LOCATION

NEWFANE:	BRIDGE 11 @ MM 1.735 TO MM 1.743
	BRIDGE 13 @ MM 2.558 TO MM 2.571
TOWNSHEND:	BRIDGE 18 @ MM 1.381 TO MM 1.390

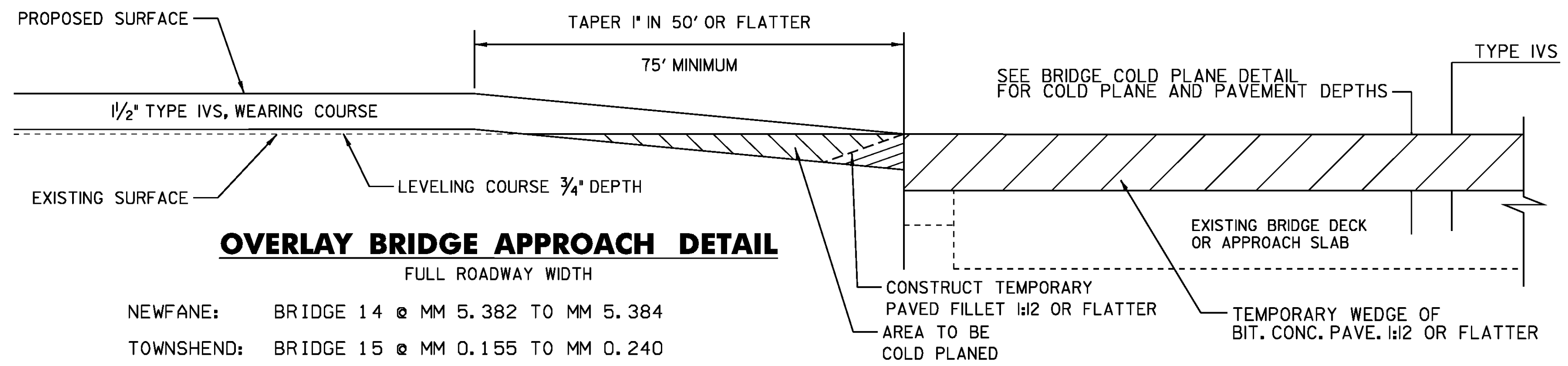
ASPHALTIC PLUG JOINTS ONLY REQUIRED ON BRIDGE 13. DAMAGE TO THE MEMBRANE DECK OR APPROACH SLABS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



APPROACH AREA DETAIL - TOWN HIGHWAYS

- FULL ROADWAY WIDTH
- USE FOR PAVED TOWN HIGHWAYS IN LEVEL AND OVERLAY AREAS
 - ALL TOWN HIGHWAYS TO BE PAVED 25 FEET UNLESS OTHERWISE NOTED ON PLANS OR DIRECTED BY RESIDENT ENGINEER

TOWN/STATE HIGHWAY NAME	LOCATION MM
NEWFANE	
TH 4 RADWAY HILL RD	3.930 RT
TH 15 UPPER RIVER RD	4.440 RT
TOWNSHEND	
TH 4 STATE FOREST	0.057 LT
TH 32 ELLEN WARE RD	0.451 RT
TH 55 RIVERDALE RD	0.791 RT
TH 32 PLUMB RD	0.982 RT
TH 48 STEPHENSON CURVE	3.327 LT
TH 48 STEPHENSON CURVE	3.415 LT
TH 22 WINSLOW DR	5.891 RT
TH 23 STRATTON DR	6.018 RT
TH 60 WARDEN RD	6.750 LT



OVERLAY BRIDGE APPROACH DETAIL

FULL ROADWAY WIDTH

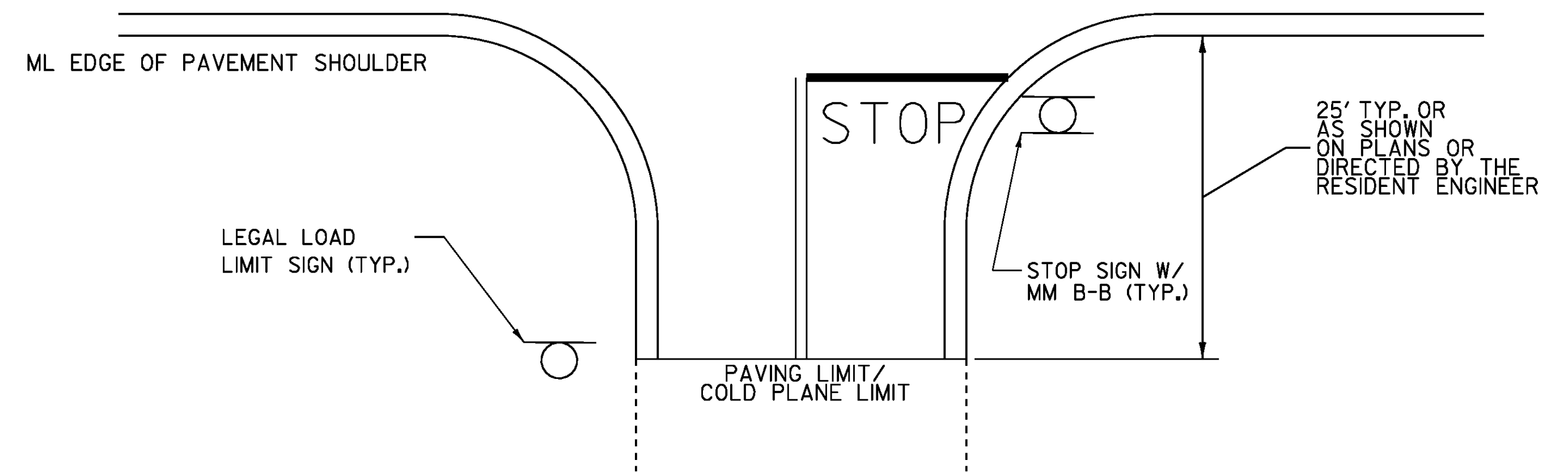
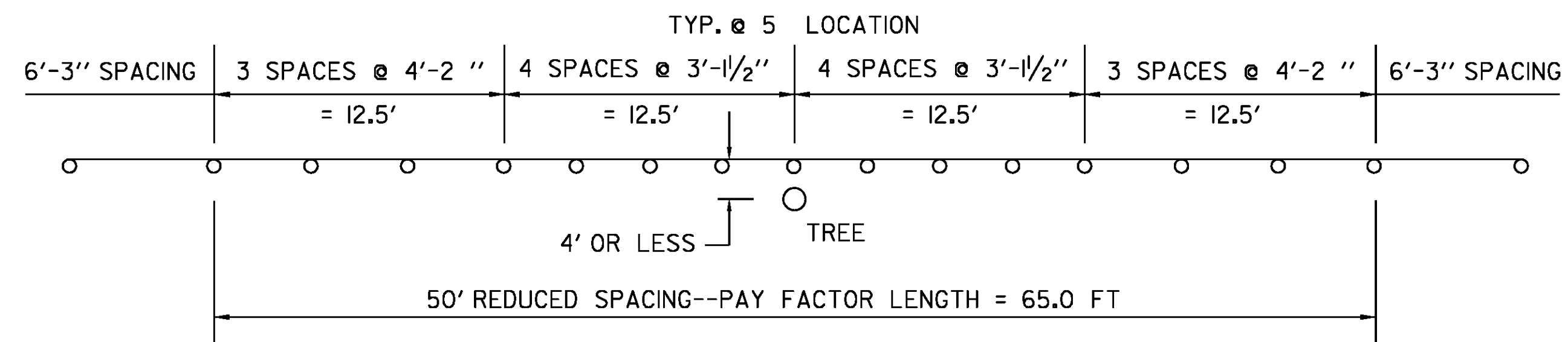
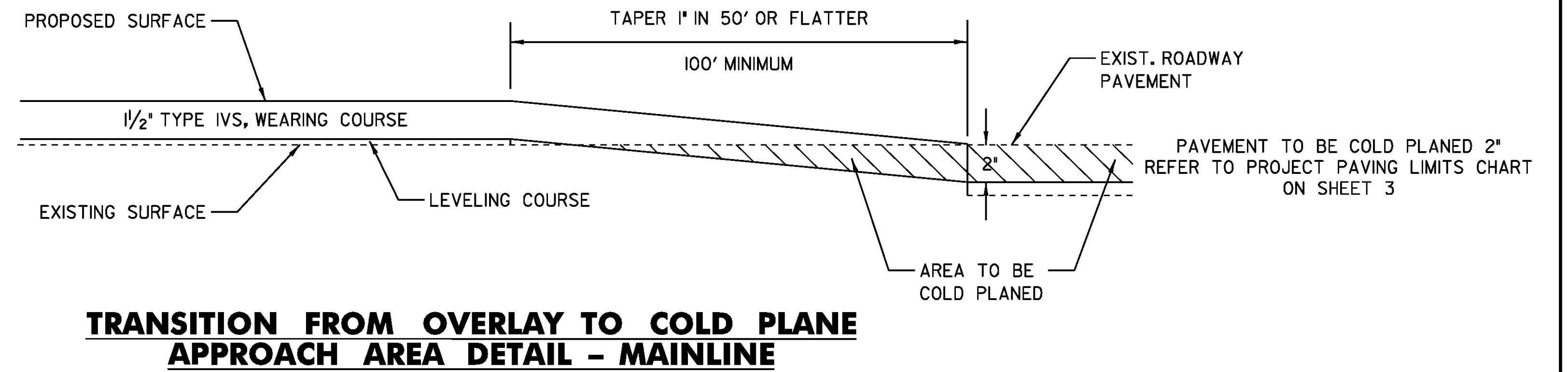
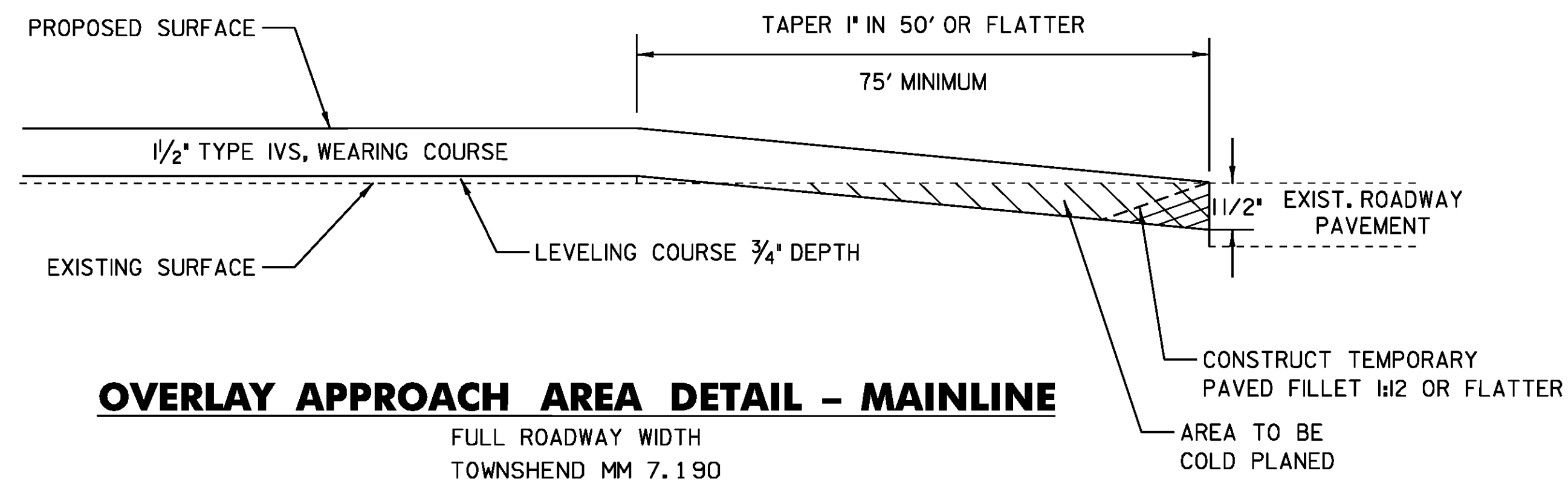
NEWFANE:	BRIDGE 14 @ MM 5.382 TO MM 5.384
TOWNSHEND:	BRIDGE 15 @ MM 0.155 TO MM 0.240

EXISTING STEEL VERTICAL PLATE JOINTS ON BRIDGE 15 ARE TO REMAIN. DAMAGE TO THE MEMBRANE DECK OR APPROACH SLABS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

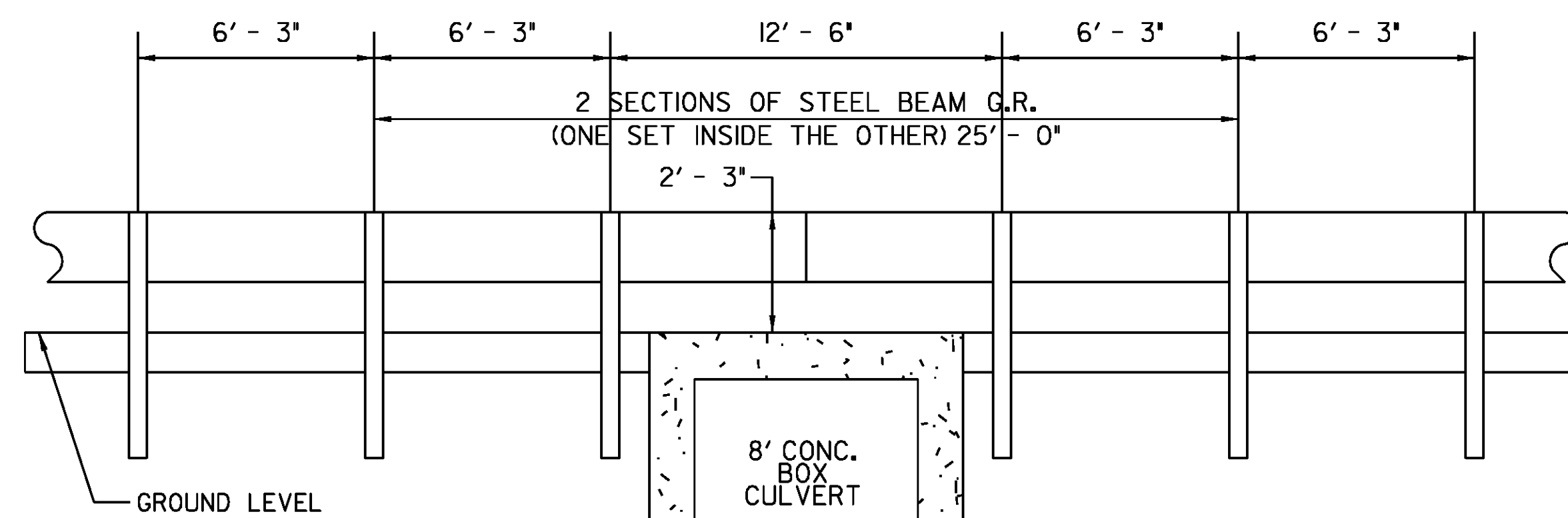
PROJECT TYPICAL SHEET 2

PROJECT NAME:	NEWFANE-TOWNSHEND
PROJECT NUMBER:	STP 240I (I)
FILE NAME:	p0lb036.dgn
PROJECT LEADER:	CRB
DESIGNED BY:	JBZ
IPARM FILE NAME:	p0lb036_04.1
PLOT DATE:	04-FEB-2010
DRAWN BY:	JBZ
CHECKED BY:	BDB
SHEET	4 OF 32

NOT TO SCALE



NOTES:
 1. SEE STD E-121 FOR THE PLACEMENT OF STOP AND LEGAL LOAD LIMIT SIGNS.
 2. SEE STD E-193 FOR THE PLACEMENT OF CENTERLINE, EDGELINE, STOP BARS, AND STOP LETTERS.



PROJECT TYPICAL SHEET 3

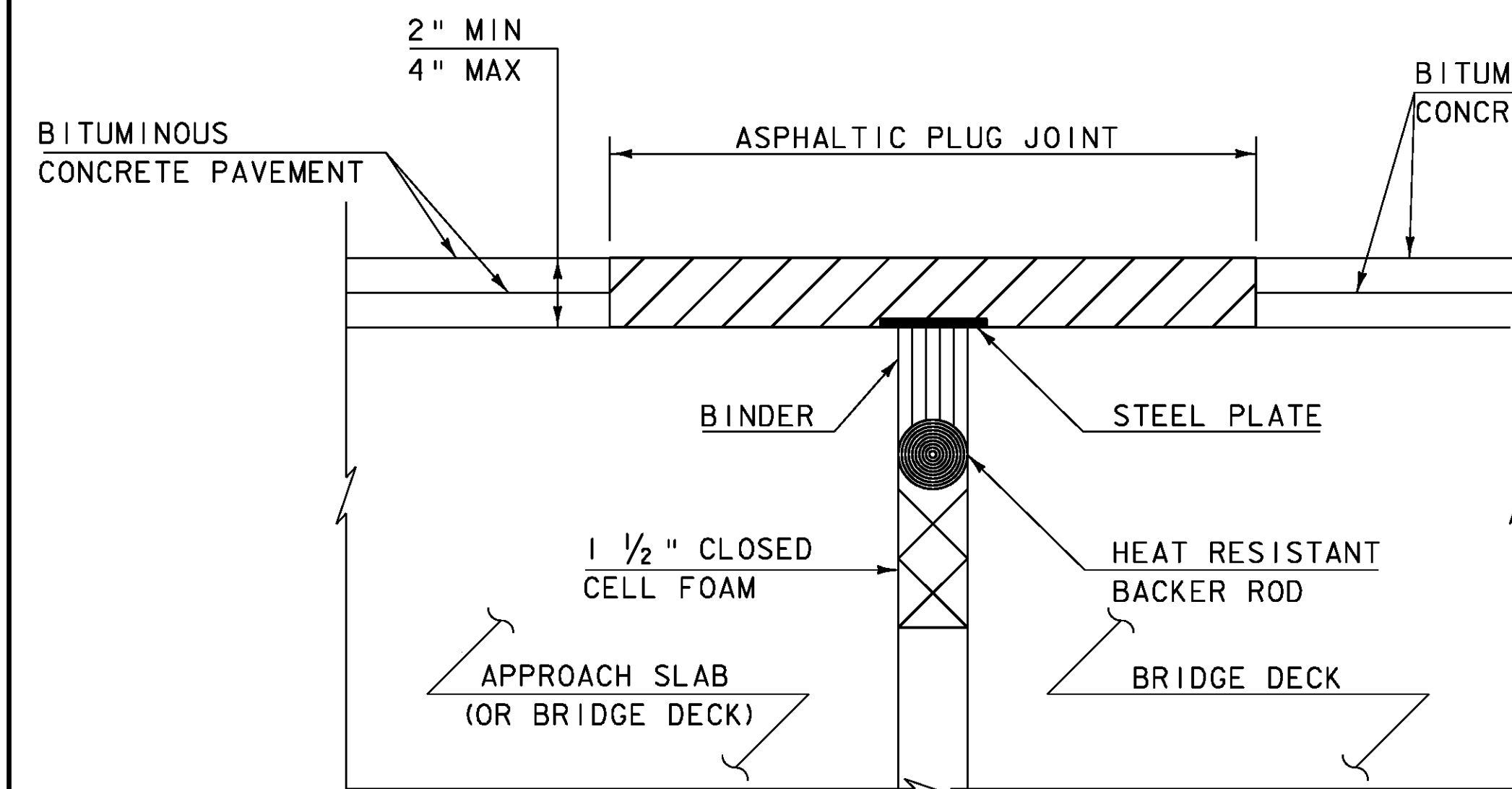
PROJECT NAME: NEWFANE-TOWNSHEND	PLOT DATE: 04-FEB-2010
PROJECT NUMBER: STP 2401 (I)	DRAWN BY: JBZ
FILE NAME: 01b036.dgn	CHECKED BY: BDB
PROJECT LEADER: CRB	SHEET 5 OF 32
DESIGNED BY: JBZ	
IPARM FILE NAME: p01b036_05.1	

NOT TO SCALE

ASPHALTIC PLUG JOINT NOTES

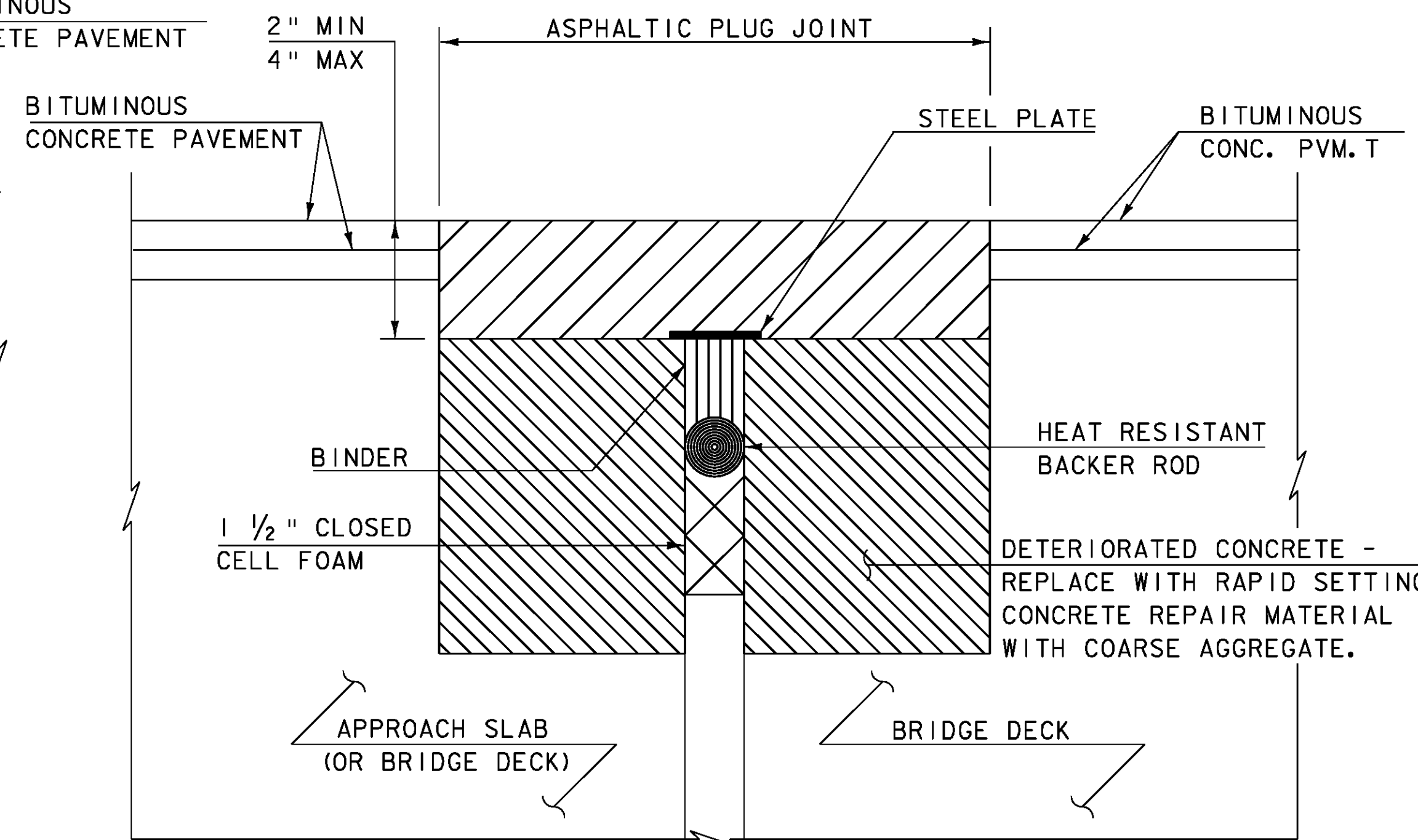
I. INSTALLATION

- A. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
 - B. 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.
 - C. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
 - D. REPAIR SPALLED AND DEFECTIVE CONCRETE USING RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE, ITEM 580.20.
 - E. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.
 - F. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.
 - G. 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 PRESTAMPED 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.
 - H. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.
 - I. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
 - J. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
 - K. ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAY BE USED TO EXPEDITE THE COOLING PROCESS.
 - L. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.
- 2. WEATHER LIMITATIONS.** (APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER):
- A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.
 - B. THE ROAD SURFACE IS DRY.
 - C. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



**ASPHALTIC PLUG-TYPE
JOINT DETAIL**

(NOT TO SCALE)



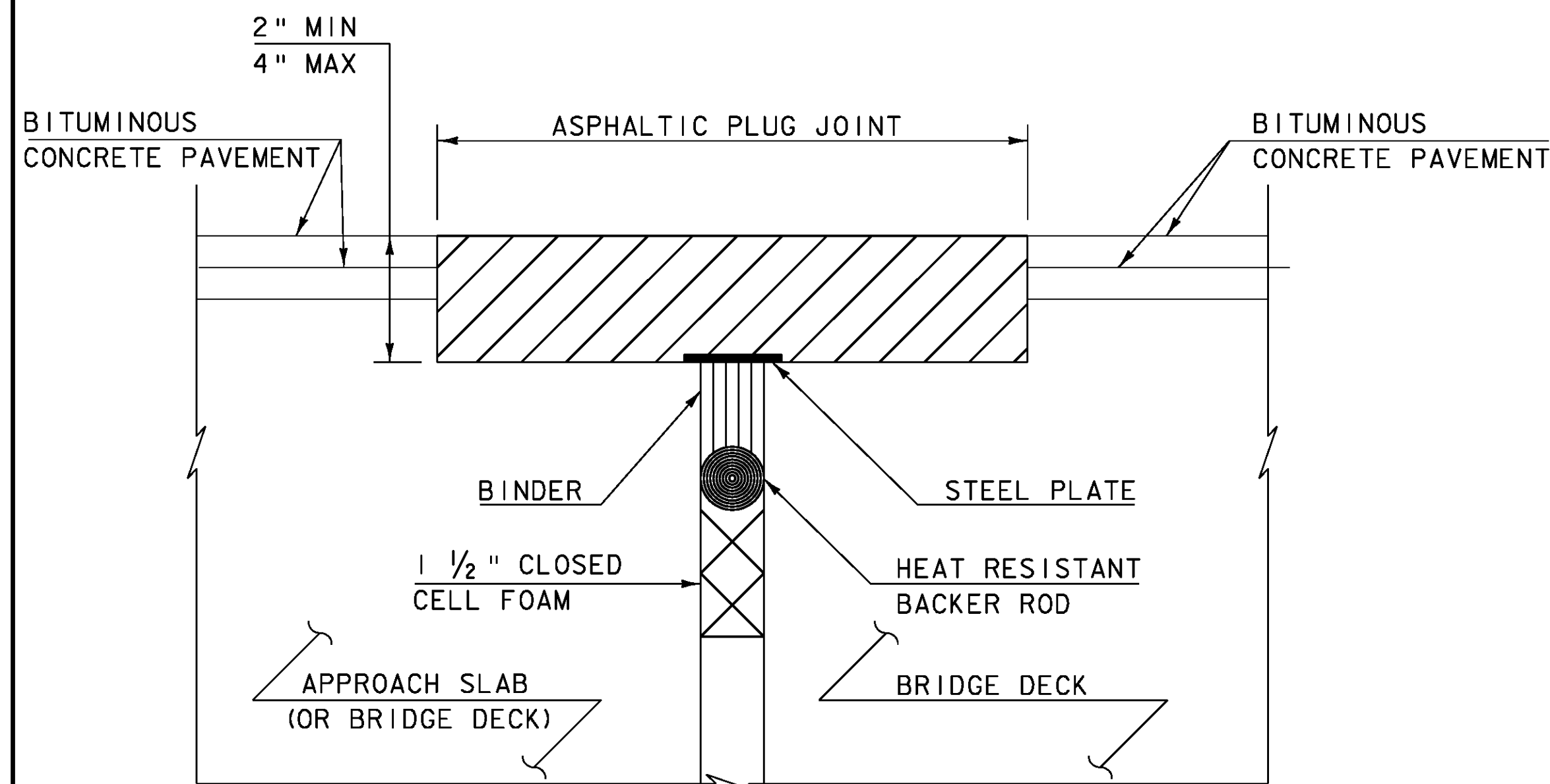
**ASPHALTIC PLUG-TYPE JOINT DETAIL
REMOVAL OF > 2" DETERIORATED CONCRETE**

(NOT TO SCALE)

NOTES:

1. UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE FORMED TO EXISTING ELEVATION.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 "RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE".
3. REINFORCING STEEL NOT SHOWN FOR CLARITY.

NEWFANE: BRIDGE 13 MM 2.558 (39 FT. EXP. JOINT)
BRIDGE 13 MM 2.571 (39 FT. EXP. JOINT)



**ASPHALTIC PLUG-TYPE JOINT DETAIL
REMOVAL OF < 2" DETERIORATED CONCRETE**

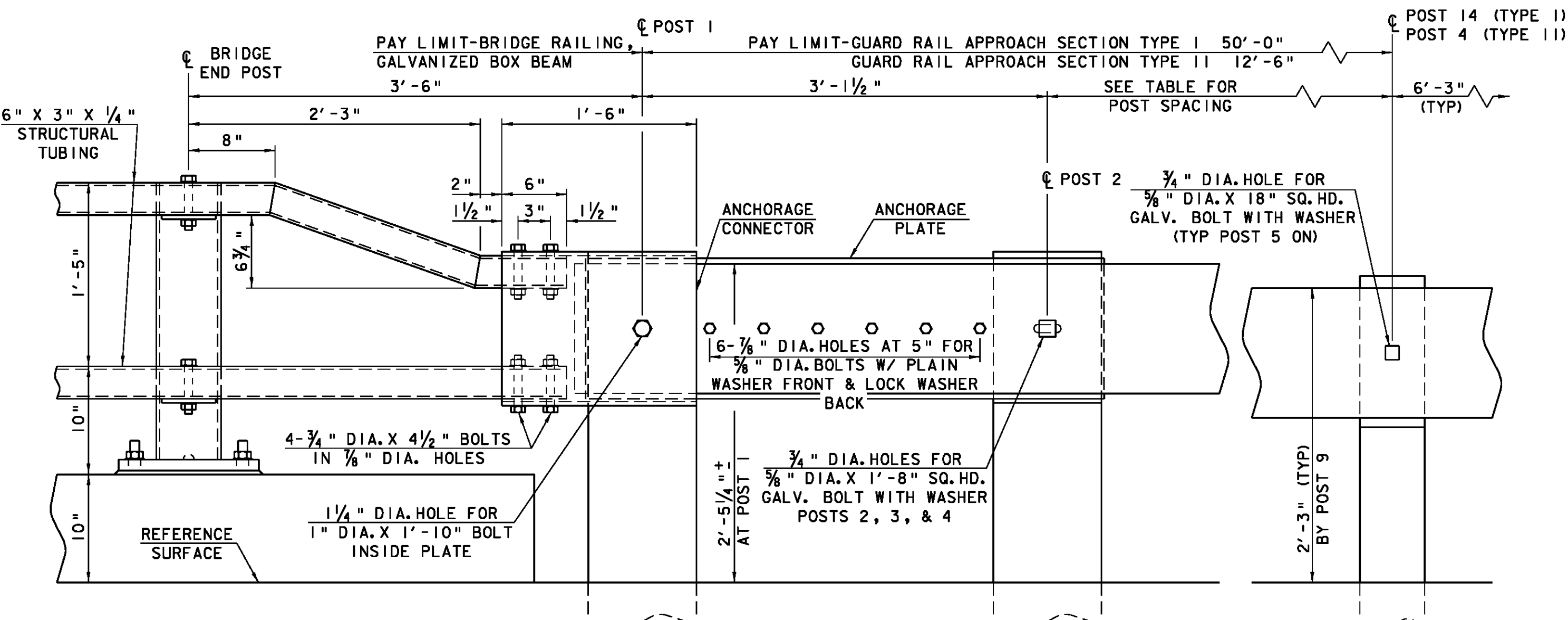
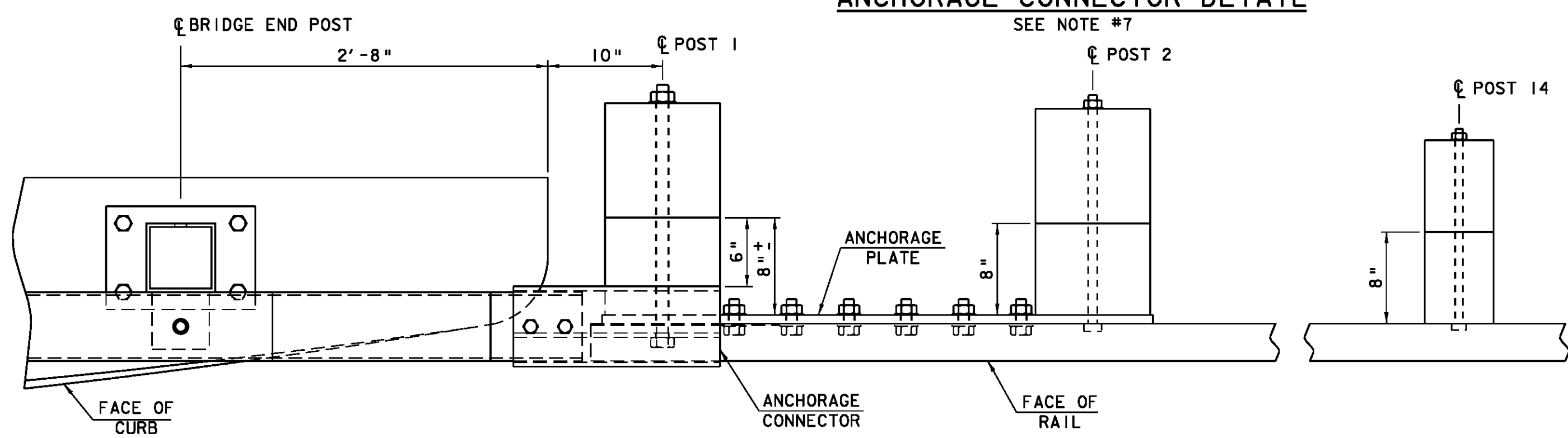
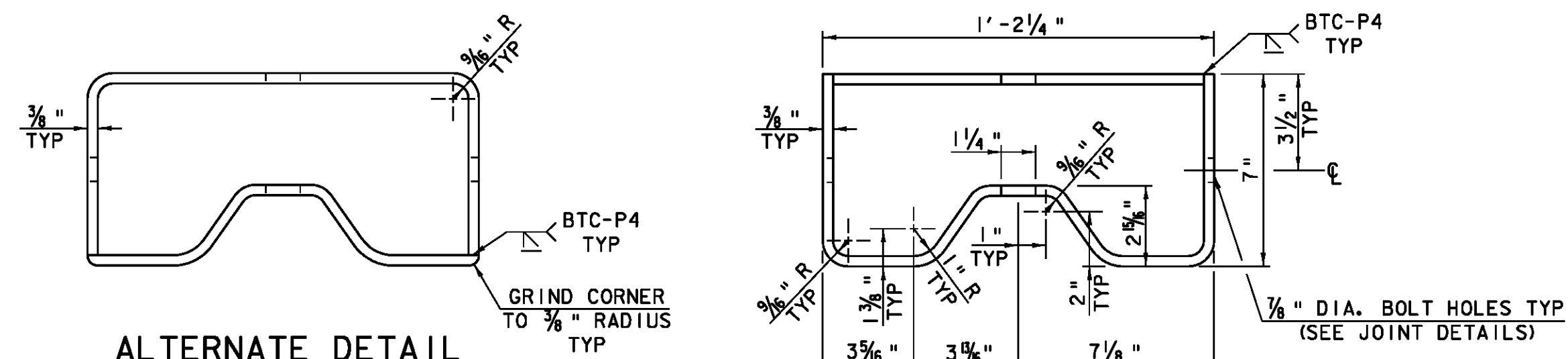
(NOT TO SCALE)

NOTES:

1. UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.

PROJECT TYPICAL SHEET 4

PROJECT NAME: NEWFANE-TOWNSHEND	
PROJECT NUMBER: STP 2401(I)	
FILE NAME: p01b036.dgn	PLOT DATE: 04-FEB-2010
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: JBZ	CHECKED BY: BDB
IPARM FILE NAME: p01b036_06.1	SHEET 6 OF 32



NOTES

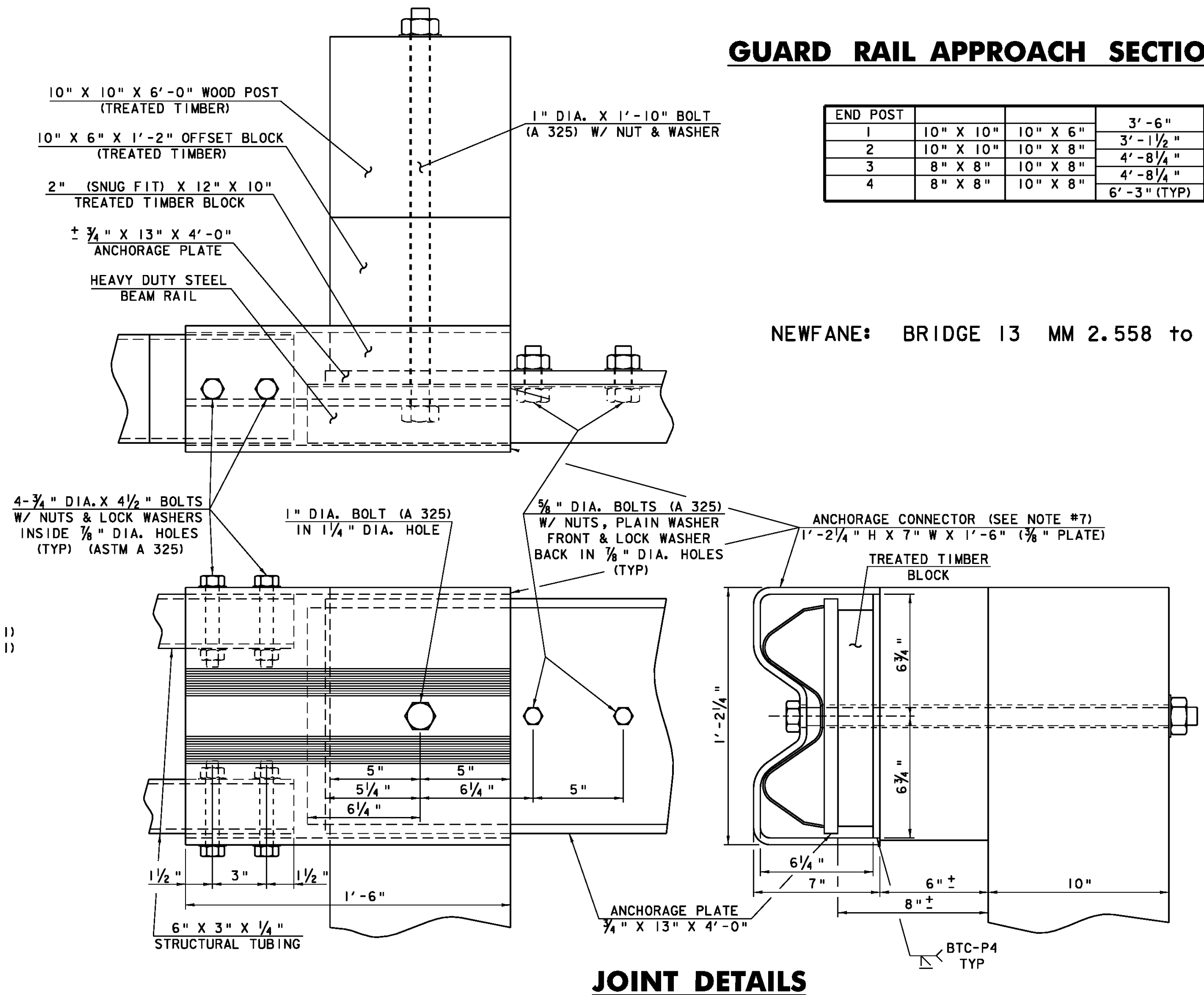
- REFER TO STANDARD G-1 FOR DETAILS OF APPROACH GUARD RAIL.
- APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
- ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL BE ASTM A 36 STEEL GALVANIZED TO ASTM A 123 AFTER FABRICATION.
- REFER TO STANDARD SB-R4A-82 FOR NOTES AND DETAILS OF BRIDGE RAILING.
- GUARD RAIL APPROACH SECTION-TYPE I & II SHALL INCLUDE ANCHORAGE PLATE, ANCHORAGE CONNECTOR, RAIL, POSTS, BLOCKS, AND ATTACHMENT HARDWARE.
- APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 50'-0" FROM THE ϕ OF POST I FOR TYPE I AND 12'-6" FROM THE ϕ OF POST I FOR TYPE II.
- ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS $\pm 1/16$ " OF AN INCH.

GUARD RAIL APPROACH SECTION TYPE 1

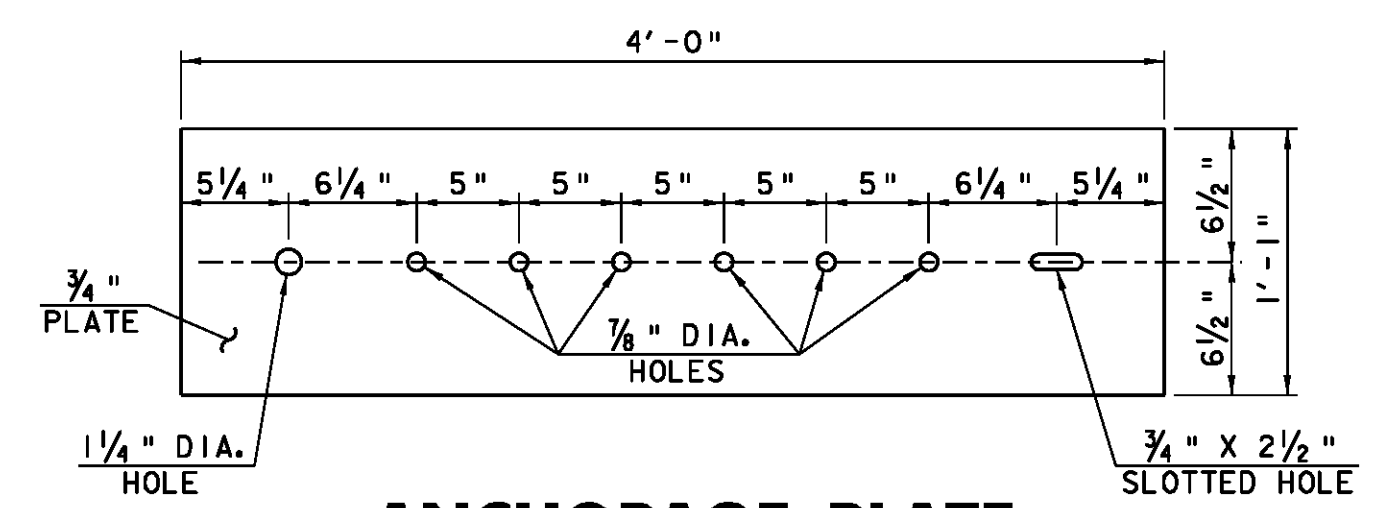
POST NO.	POST SIZE	OFFSET BLOCK	SPACING	GUARD RAIL APPROACH SECTION TYPE I, 50'-0"
END POST				
1	10" X 10"	10" X 6"	3'-6"	
2	10" X 10"	10" X 8"	3'-1 1/2"	
3	10" X 10"	10" X 8"	3'-1 1/2"	
4	10" X 10"	10" X 8"	3'-1 1/2"	
5	8" X 8"	8" X 8"	3'-1 1/2"	
6	8" X 8"	8" X 8"	3'-1 1/2"	
7	8" X 8"	8" X 8"	3'-1 1/2"	
8	8" X 8"	8" X 8"	3'-1 1/2"	
9	6" X 8"	6" X 8"	4'-2"	
10	6" X 8"	6" X 8"	4'-2"	
11	6" X 8"	6" X 8"	4'-2"	
12	6" X 8"	6" X 8"	6'-3"	
13	6" X 8"	6" X 8"	6'-3"	
14	6" X 8" (TYP)	6" X 8" (TYP)	6'-3" (TYP)	

GUARD RAIL APPROACH SECTION TYPE 2

END POST	POST SIZE	OFFSET BLOCK	SPACING	APPROACH SECTION TYPE II, 12'-6"
1	10" X 10"	10" X 6"	3'-6"	
2	10" X 10"	10" X 8"	3'-1 1/2"	
3	8" X 8"	10" X 8"	4'-8 1/4"	
4	8" X 8"	10" X 8"	6'-3" (TYP)	



NEWFANE: BRIDGE 13 MM 2.558 to MM 2.571



NOT TO SCALE

PROJECT TYPICAL SHEET 5

PROJECT NAME: NEWFANE-TOWNSHEND	PLOT DATE: 04-FEB-2010
PROJECT NUMBER: STP 240I (I)	DRAWN BY: JBZ
FILE NAME: p01b036.dgn	CHECKED BY: BDB
IPARM FILE NAME: p01b036_07.1	SHEET 7 OF 32

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
STP 240(I)										GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITY	UNIT	ITEMS
ROADWAY	BRIDGES	FULL C.E.																
4										4		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70	-			
4										4		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71	-			
25800										25800		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	49.6			
10										10		EACH	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	-			
1175										1175		HR	UNIFORMED TRAFFIC OFFICERS	630.10	15			
2325										2325		HR	FLAGGERS	630.15	5			
										1		LS	FIELD OFFICE, ENGINEERS	631.10	-			
										1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-			
										1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
										1		LU	FIELD OFFICE TELEPHONE (N.A.B.J.)	631.25	-			
1										1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
1										1		LS	TRAFFIC CONTROL	641.10	-			
2										2		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
119000										119000		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	487			
122100										122100		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	32			
180										180		LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	9			
420										420		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	6.5			
104										104		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
135										135		LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	9			
237030										237030		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	4			
244140										244140		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	5.4			
345										345		LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	3			
840										840		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	13			
208										208		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
255										255		LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	3			
4500										4500		EACH	LINE STRIPING TARGETS	646.76	17			
11060										11060		SY	GEOTEXTILE UNDER STONE FILL	649.31	1.9			
35										35		LB	SEED	651.15	-			
250										250		LB	FERTILIZER	651.18	-			
1										1		TON	AGRICULTURAL LIMESTONE	651.20	-			
3										3		TON	HAY MULCH	651.25	0.5			
25										25		CY	TOPSOIL	651.35	-			
4900										4900		SY	TEMPORARY EROSION MATTING	653.20	78.8			
400										400		SF	TRAFFIC SIGNS, TYPE A	675.20	0.75			
1010										1010		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	5			
93										93		EACH	REMOVING SIGNS	675.50	-			
3										3		EACH	ERECTING SALVAGED SIGNS	675.60	-			
115										115		EACH	DELINEATOR WITH STEEL POST	676.10	-			
1										1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.J.)	690.50	-			
2350										2350		SY	SPECIAL PROVISION (HAND - PLACED BITUMINOUS CONCRETE MATERIAL,DRIVES)	900.675	25.2			

PROJECT NAME: NEWFANE-TOWNSHEND
 PROJECT NUMBER: STP 240I (I)
 FILE NAME: p01b036.dgn PLOT DATE: 04-FEB-2010
 PROJECT LEADER: CRB DRAWN BY: JBZ
 DESIGNED BY: JBZ CHECKED BY: BDB
 IPARM FILE NAME: p01b036_11.1 SHEET II OF 32

LOCATION			CURBED SIDEWALKS							DROP INLETS		GUARDRAIL										REMARKS				
STATION	STATION	POS.	203.15	203.16	203.40	301.28	616.21	616.40	618.10	618.30	604.42	604.412 604.415 604.418	621.20	621.205	621.206	621.21	621.50	621.60	621.70	621.71	621.80		621.81	676.10		
			COMMON EXCAV. (CY)	SOLID ROCK EXCAV. (CY)	SHOULDER BERM REMOVAL (LF)	SUBBASE OF CRUSHED GRAV. FINE (TON)	VERTICAL GRANITE CURB (LF)		PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SY)	DETECTABLE WARNING SURFACE (SF)	CHANGING ELEVATION SMH (EA)	REHAB. D1, CLASS 1, II, OR III (EA)	STEEL BEAM GUARDRAIL GALV. (LF)	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS (LF)	STEEL BEAM GUARDRAIL GALV./NESTED (LF)	H.D. STEEL BEAM GUARDRAIL GALV. (LF)	MTS, FLARED (EA)	ANCHOR FOR STEEL BEAM RAIL (EA)	TYPE I APPROACH RAIL (EA)	TYPE II APPROACH RAIL (EA)	REMOVE & DISP. G.R. (LF)	REMOVE & DISP. OF POSTS (EA)	DEL. IN. W/STEEL POST (EA)			
MM 3.853	MM 3.910	RT																								
MM 3.842	MM 3.900	RT										264.5														
MM 3.842	MM 3.900	RT										262.5					1	2 1					2	MTS @ 3.842, ANCHOR @ 3.898, ANCHOR @ 3.900		
MM 3.906	MM 3.965	RT																								
MM 3.906	MM 3.965	RT										277.0														
MM 4.102	MM 4.156	LT																								
MM 4.102	MM 4.156	LT										0 250.0					1									
MM 4.176	MM 4.369	LT										962.5														
MM 4.176	MM 4.369	LT										950.0					2 1	1						2	MTS @ 4.176, MTS @ 4.369	
MM 4.689	MM 4.713	LT																								
MM 4.689	MM 4.713	LT										50.0					2							2	MTS @ 4.689, MTS @ 4.713	
MM 4.796	MM 4.868	LT																								
MM 4.796	MM 4.868	LT										300.0					2							2	MTS @ 4.796, MTS @ 4.868	
MM 4.803	MM 4.826	RT										89.5														
MM 4.803	MM 4.826	RT										112.5					1	3 1						2	MTS @ 4.803, ANCHOR @ 4.805, ANCHOR @ 4.824, ANCHOR @ 4.826	
MM 4.855	MM 4.869	RT										14.5														
MM 4.855	MM 4.869	RT										25.0	25				1	1						2	MTS @ 4.855, ANCHOR @ 4.869	
MM 5.012	MM 5.064	RT																								
MM 5.012	MM 5.064	RT										200.0													2	MTS @ 5.012, MTS @ 5.064
MM 5.018	MM 5.486	LT										2650														
MM 5.018	MM 5.486	LT										2400.0													2	MTS @ 5.018, MTS @ 5.486
MM 5.090	MM 5.161	RT																								
MM 5.090	MM 5.161	RT										300.0													2	MTS @ 5.090, MTS @ 5.161
MM 5.355	MM 5.500	RT																								
MM 5.355	MM 5.500	RT										687.5													2	MTS @ 5.355, MTS @ 5.500
MM 5.631	MM 5.799	LT										800														
MM 5.631	MM 5.799	LT										812.5													2	MTS @ 5.631, MTS @ 5.799
MM 5.790	MM 5.840	RT										50														
MM 5.790	MM 5.840	RT										187.5	137.5												2	MTS @ 5.790, MTS @ 5.840
MM 5.850	MM 5.885	LT										100														
MM 5.850	MM 5.885	LT										112.5													2	MTS @ 5.850, MTS @ 5.885
MM 5.988	MM 6.041	LT										200														
MM 5.988	MM 6.041	LT										237.5													2	MTS @ 5.988, ANCHOR @ 6.041, MTS @ 6.041
MM 6.026	MM 6.073	RT																								
MM 6.026	MM 6.073	RT										0 175.0	87.5												2	MTS @ 6.026, MTS @ 6.073
MM 6.175	MM 6.204	LT																								
MM 6.175	MM 6.204	LT										0 137.5	114.5				1	3 1							2	MTS @ 6.175, ANCHOR @ 6.177, ANCHOR @ 6.202, ANCHOR @ 6.204
MM 6.306	MM 6.329	LT																								
MM 6.306	MM 6.329	LT										0 125.0													2	ANCHOR @ 6.306, ANCHOR @ 6.308, MTS @ 6.329
MM 6.369	MM 6.448	LT										412.5														
MM 6.369	MM 6.448	LT										362.5													2	MTS @ 6.369, ANCHOR @ 6.446, ANCHOR @ 6.448
MM 6.379		LT																								CATCH BASIN
MM 6.407		LT																								CATCH BASIN
MM 6.434	MM 6.530	RT										464.5														
MM 6.434	MM 6.530	RT										462.5													2	MTS @ 6.434, ANCHOR @ 6.528, ANCHOR @ 6.530
SUBTOTAL SHEET 4												2	7822.5 8412.5	364.5			32	18 8			9512.5 9625.2		41			

ITEM DETAIL SHEET 4	PROJECT NAME: NEWFANE - TOWNSEND
	PROJECT NUMBER: STP 240I(I)
	FILE NAME: p01b036.dgn
	PLOT DATE: 04-FEB-2010
	PROJECT LEADER: CRB
	DRAWN BY: JBZ
	DESIGNED BY: JBZ
	CHECKED BY: BDB
	IPARM FILE NAME: p01b036_I5.I
	SHEET 15 OF 32

LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS	LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS
SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE			653.20 TEMP. EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL		SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE			653.20 TEMP. EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL	
				0-1	1-2.5	2.5-10									0-1	1-2.5	2.5-10				
NEWFANE				LF	LF	LF	SY	CY	SY	TOWNSHEND				LF	LF	LF	SY	CY	SY		
VT 30										VT 30											
1	2.003	2.038	RT		185		82.2			31	0.049	0.072	RT		121		53.8				
2	2.266	2.314	RT			253		37.5	168.7	32	0.519	0.652	RT		702		312.0				
3	2.566	2.587	LT		III		49.3			32	1.004	1.032	RT		153		68.0				
4	2.640	2.661	RT		III		49.3			34	1.672	1.691	LT		100		44.4				
5	2.701	2.717	LT	84			37.3			35	1.702	1.751	LT		259		38.4	172.7			
6	2.730	2.761	LT	164			72.9			36	2.215	2.232	RT		90		13.3	60.0			
7	3.272	3.368	LT			507		75.1	328.0	37	2.538	2.543	RT		26		3.9	17.3			
8	3.384	3.416	LT		169		75.1			38	2.548	2.557	RT		48		7.1	32.0	HAS STONE		
9	3.416	3.435	LT			100		14.8	66.7	39	2.655	2.680	RT		132		19.6	88.0			
10	3.473	3.512	LT		206		91.6			40	2.795	2.861	RT		348		51.6	232.0	7.0%		
11	3.521	3.585	LT			328		50.1	225.3	41	2.968	3.013	RT		238		35.3	158.7			
12	3.675	3.700	RT			132		19.6	88.0	42	3.327	3.326	RT		48		21.3				
13	3.720	3.750	LT			158		23.4	105.3	43	3.363	3.720	RT		1885		279.3	1256.7			
14	4.134	4.163	LT			153		22.7	102.0	44	3.497	3.512	RT		79		35.1				
15	4.362	4.375	LT			69		10.2	46.0	45	3.577	3.601	RT		127		56.4				
16	4.430	4.457	LT		143		63.6			46	3.601	3.632	RT		169		25.0	112.7			
17	4.462	4.484	LT		116		51.6			47	3.711	3.734	RT		121		17.9	80.7			
18	4.675	4.717	LT		222		98.7			48	3.730	3.775	LT		238		35.3	158.7	6.5%		
19	4.753	4.818	LT			343		50.8	228.7	49	3.734	3.847	RT		597		88.4	398.0			
20	4.773	4.781	RT	42			18.7			50	3.857	3.880	RT		121		17.9	80.7	7.5%		
21	4.863	4.891	LT			148		21.9	98.7	51	4.016	4.043	RT		143		21.2	95.3			
22	4.934	4.953	LT			100		14.8	66.7	52	4.227	4.242	RT		79		11.7	52.7			
23	5.022	5.073	LT			269		39.9	179.3	53	4.242	4.279	RT		195		86.7				
24	5.078	5.116	LT			201		29.8	134.0	54	4.327	4.845	RT		2735		405.2	1823.3	SLOPE VARIES		
25	5.116	5.191	LT			396		58.7	264.0	55	4.688	4.746	LT		306		45.3	204.0	8.6%		
26	5.235	5.277	LT			222		32.9	148.0	56	4.918	5.060	RT		750		111.1	500.0	SLOPE VARIES		
27	5.302	5.307	LT			26		3.9	17.3	57	4.954	4.991	LT		195		28.9	130.0	6.9%		
28	5.370	5.384	LT	74			32.9			58	5.388	5.403	RT		79		11.7	52.7	6.0%		
29	5.392	5.408	LT			84		12.4	56.0	59	5.510	5.630	LT		634		93.9	422.7			
30	5.625	5.666	LT			216		32.0	144.0	60	5.630	5.652	LT		116		17.2	77.3	11.6%		
NEWFANE SUBTOTALS							723.2	550.5	2476.7												
								TOWNSHEND THIS SHEET SUBTOTALS							677.7	1379.2	6206.2				
								PROJECT TOTALS (THIS SHEET)							1400.9	1929.7	8682.9				

DITCH LOCATIONS AND QUANTITIES USED ON PAGES 61310-1 TO 61310-3 AND 65320-1 IN PROJECT COMPUTATION BINDER

SEEDING FORMULA
RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3		INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 65115: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 65118: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

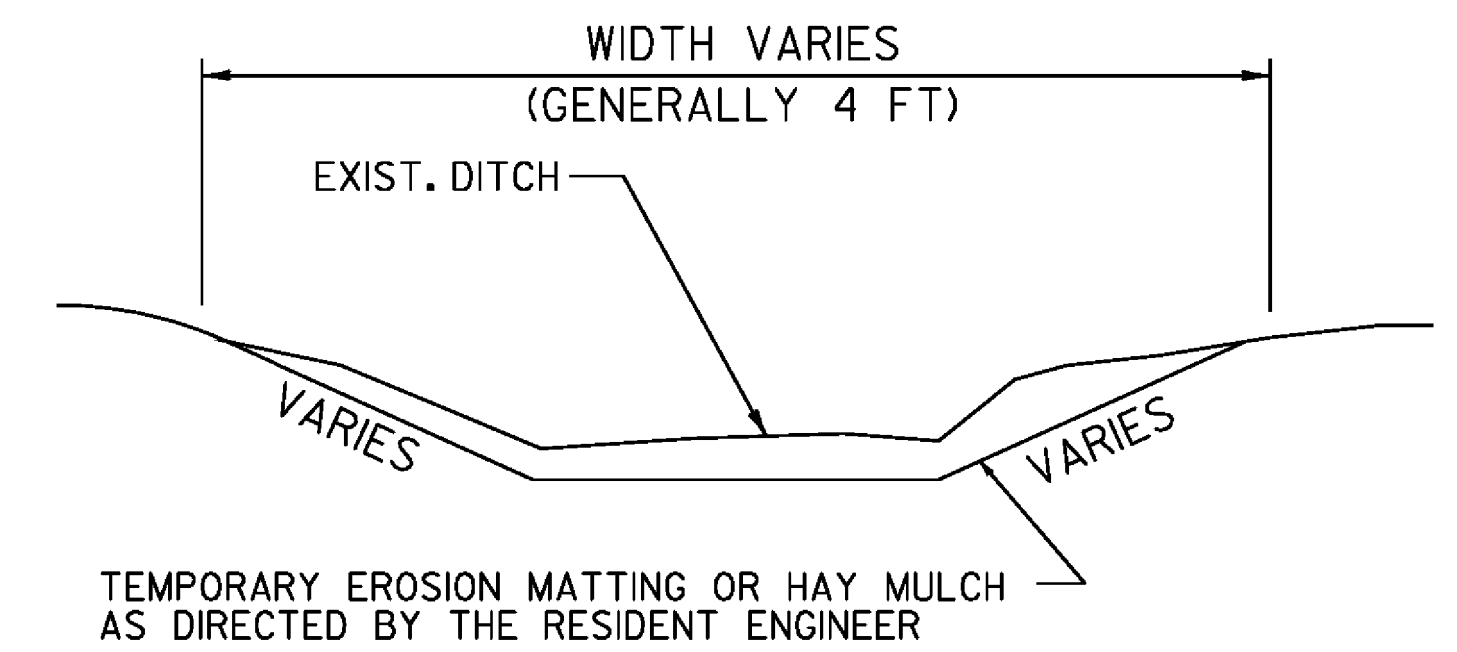
AGRICULTURAL LIMESTONE ITEM 65120: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 65125: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

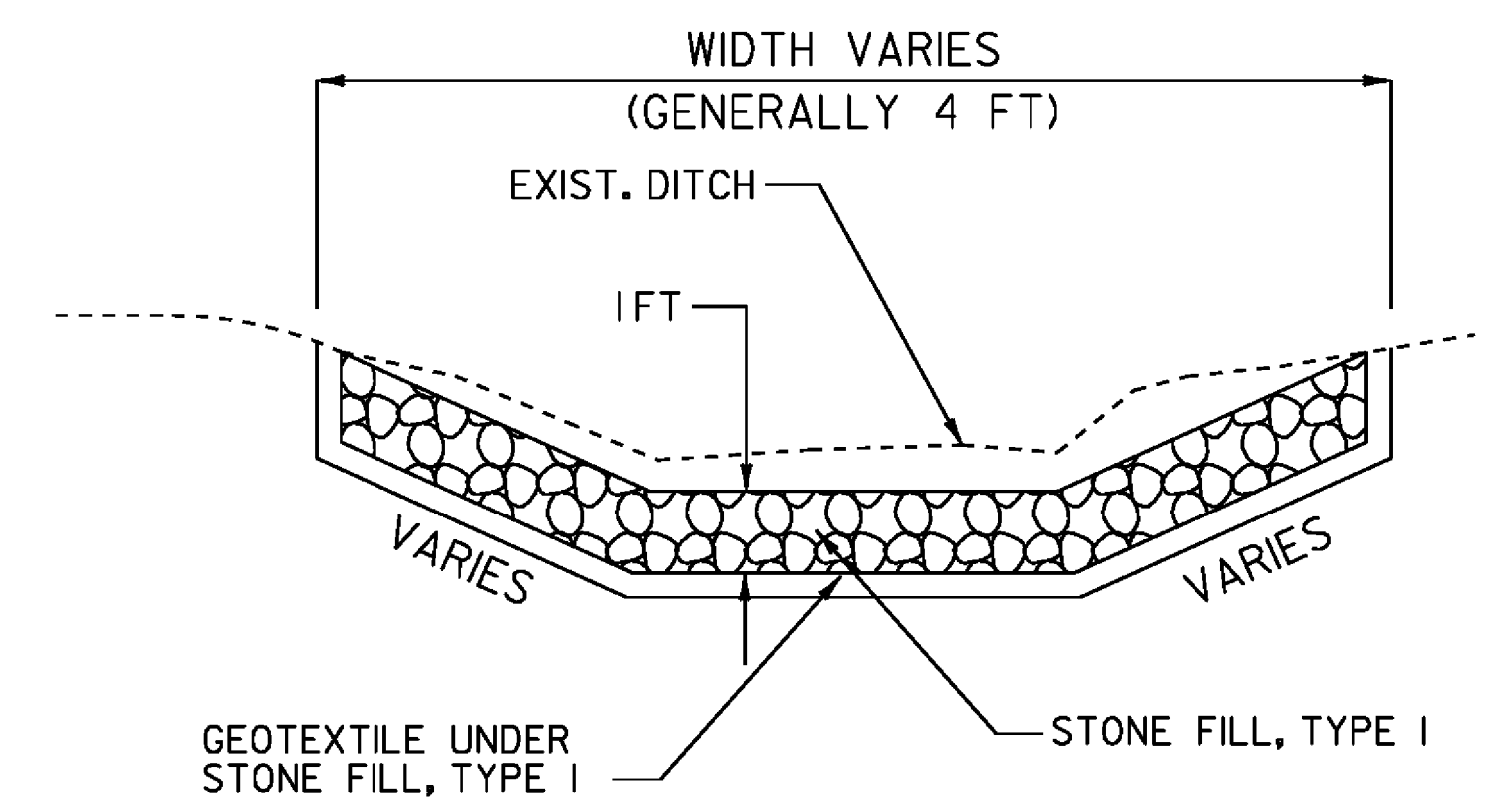
TOPSOIL ITEM 65135: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 65115, SEED AND ITEM 65125, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 65125, HAY MULCH OR ITEM 65320, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGHOUT THE PROJECT, SHALL BE PERFORMED AT LOCATIONS INDICATED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).



DITCH DETAIL < 2.5 PERCENT NOT TO SCALE



DITCH DETAIL > 2.5 PERCENT NOT TO SCALE DITCH CLEANING DETAIL SHEET 1

PROJECT NAME: NEWFANE-TOWNSHEND
PROJECT NUMBER: STP 2401 (I)
FILE NAME: p01b036.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
IPARM FILE NAME: p01b036_18.1
PLOT DATE: 04-FEB-2010
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 18 OF 32

LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS	LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS
SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE			653.20 TEMP. EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL		SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE			653.20 TEMP. EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL	
				0-1	1-2.5	2.5-10									0-1	1-2.5	2.5-10				
TOWNSHEND VT 30				LF	LF	LF	SY	CY	SY		LF	LF	LF	SY	CY	SY					
61	5.741	5.784	RT			227		32.6	151.3	6.0%											
62	5.795	5.834	RT			206		30.5	137.3												
63	5.836	5.872	LT	190			84.4														
64	5.840	5.867	RT			143		21.2	95.3												
65	5.872	5.884	RT			63		9.3	42.0												
66	5.892	5.917	RT		132		58.7														
67	5.922	5.936	RT	74			32.9														
68	5.936	5.950	LT		74		32.9														
69	6.066	6.195	LT		681		302.7														
70	6.083	6.230	RT			776		115.0	517.3												
71	6.135	6.288	RT		491		218.2														
72	6.248	6.290	RT			222		32.9	148.0												
73	6.297	6.427	RT			686		101.6	457.3												
74	6.298	6.319	LT	116			51.6														
75	6.301	6.341	RT		211		93.8														
76	6.348	6.477	RT		681		302.7														
77	6.794	6.811	LT		90		40.0														
78	6.881	6.910	RT			153		22.7	102.0												
79	6.917	6.958	RT			216		32.0	144.0												
80	7.021	7.034	RT			69		10.2	46.0												
81	7.056	7.121	LT		343		152.4														
82	7.132	7.141	RT			42		6.2	28.0												
83	7.148	7.292	RT			760		112.6	506.7	SLOPE VARIES											
										ESTIMATED GUARDRAIL MTS DISTURBANCE	2050				82 MTS						
										PREVIOUS SHEET TOTALS	1400.9	1929.7	8682.9				25 SY/ MTS				
										TOWNSHEND THIS SHEET SUBTOTALS	1370.3	527.8	2375.2								
										PROJECT SUBTOTALS	4821.2	2457.5	11058.1								
										ROUNDING	78.8	2.5	1.9								
										PROJECT TOTALS	4900	2460	11060								

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
3	3	ANNUAL RYE GRASS	95	90
		INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.5: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

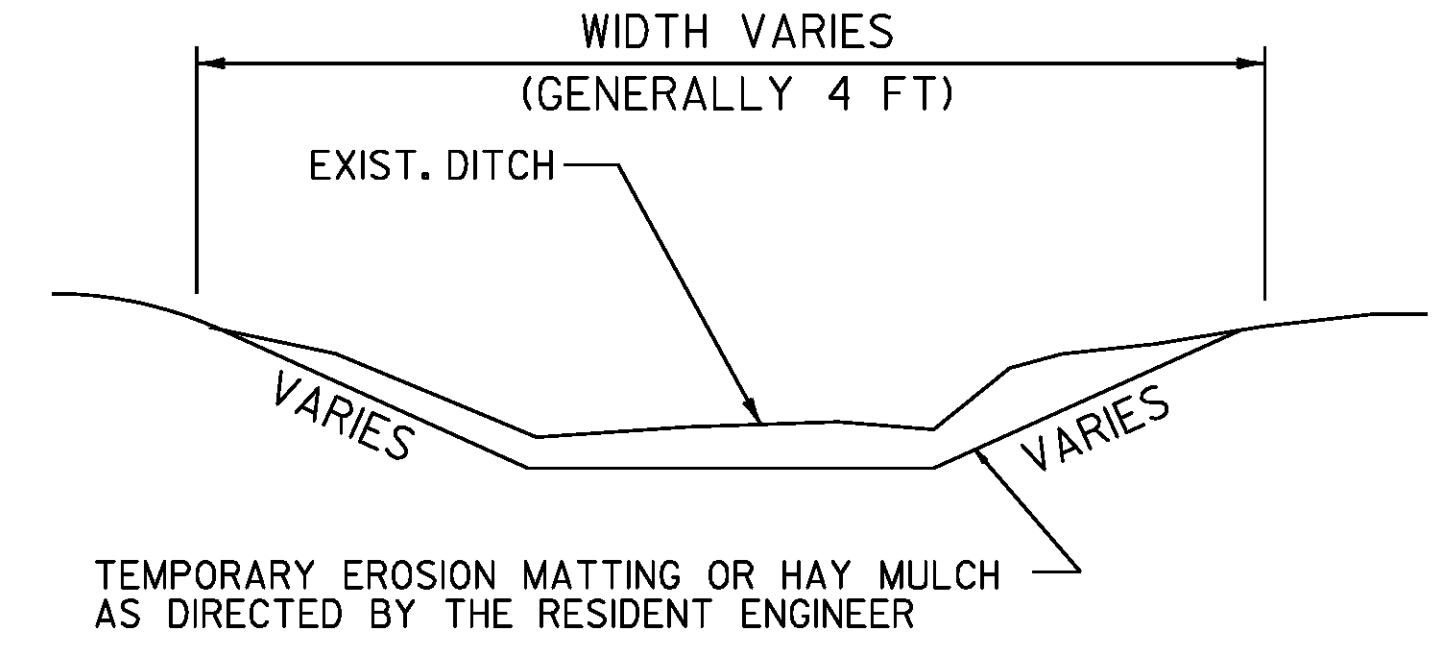
AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

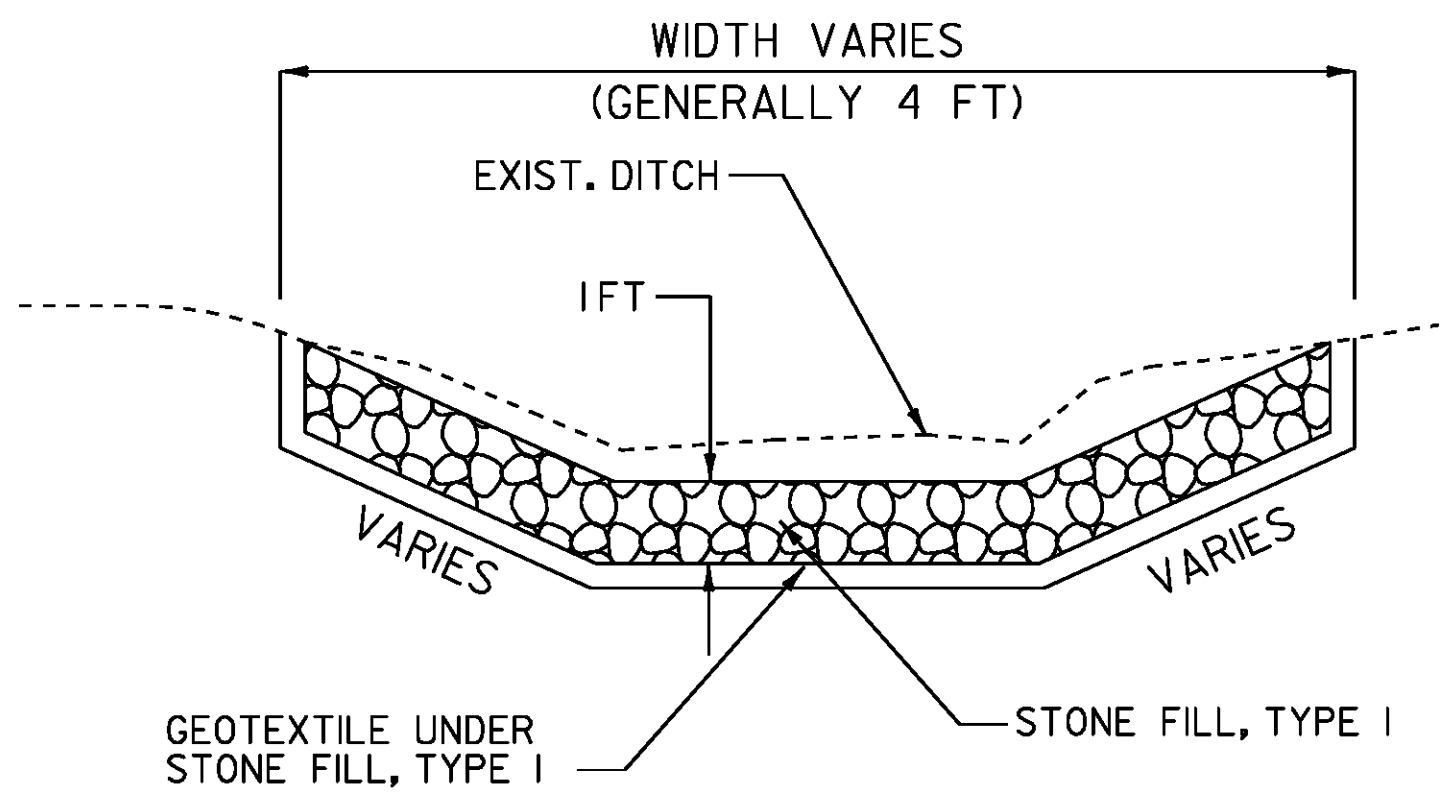
TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.5, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGHOUT THE PROJECT, SHALL BE PERFORMED AT LOCATIONS INDICATED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

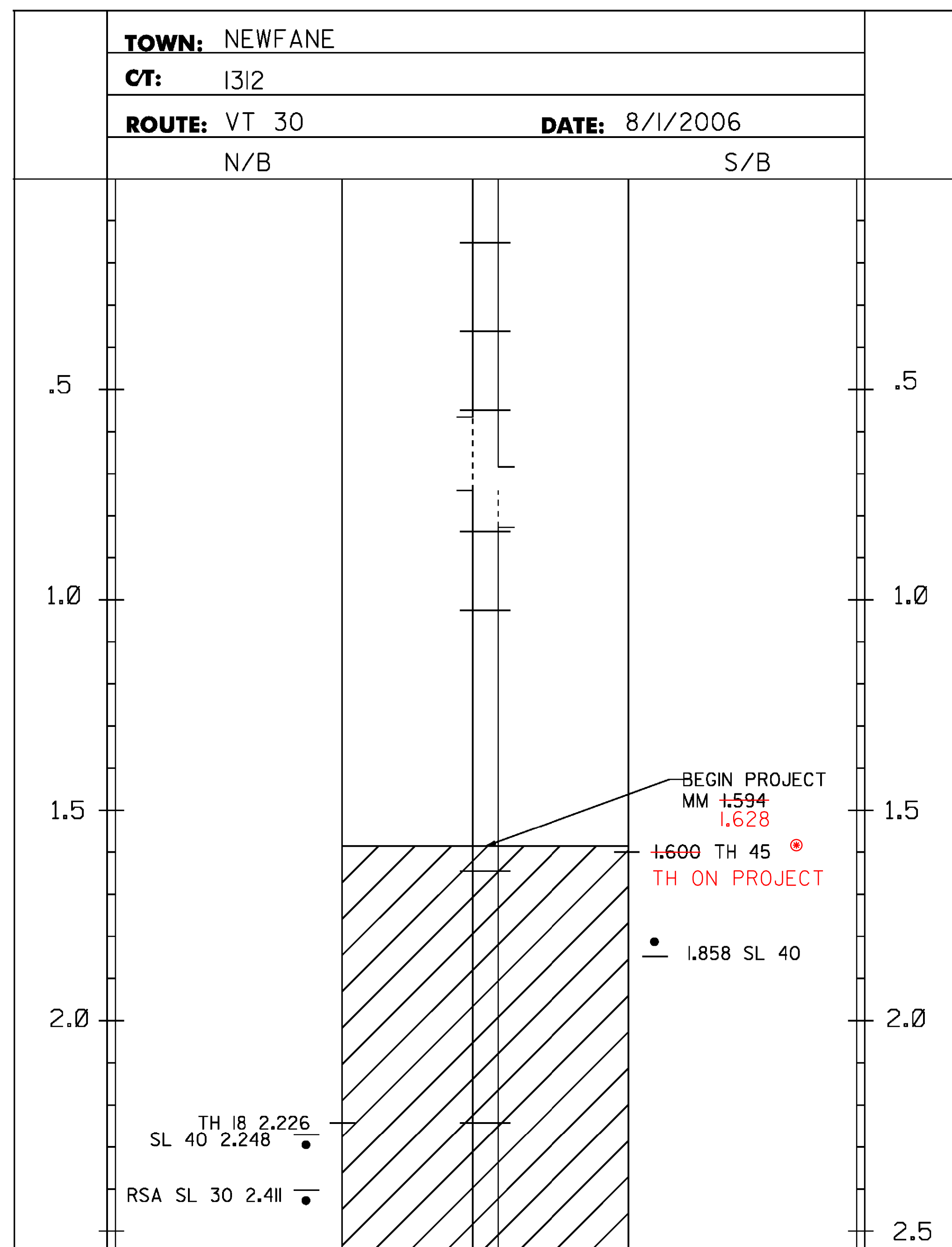


DITCH DETAIL < 2.5 PERCENT NOT TO SCALE



DITCH DETAIL > 2.5 PERCENT NOT TO SCALE
DITCH CLEANING DETAIL SHEET 2

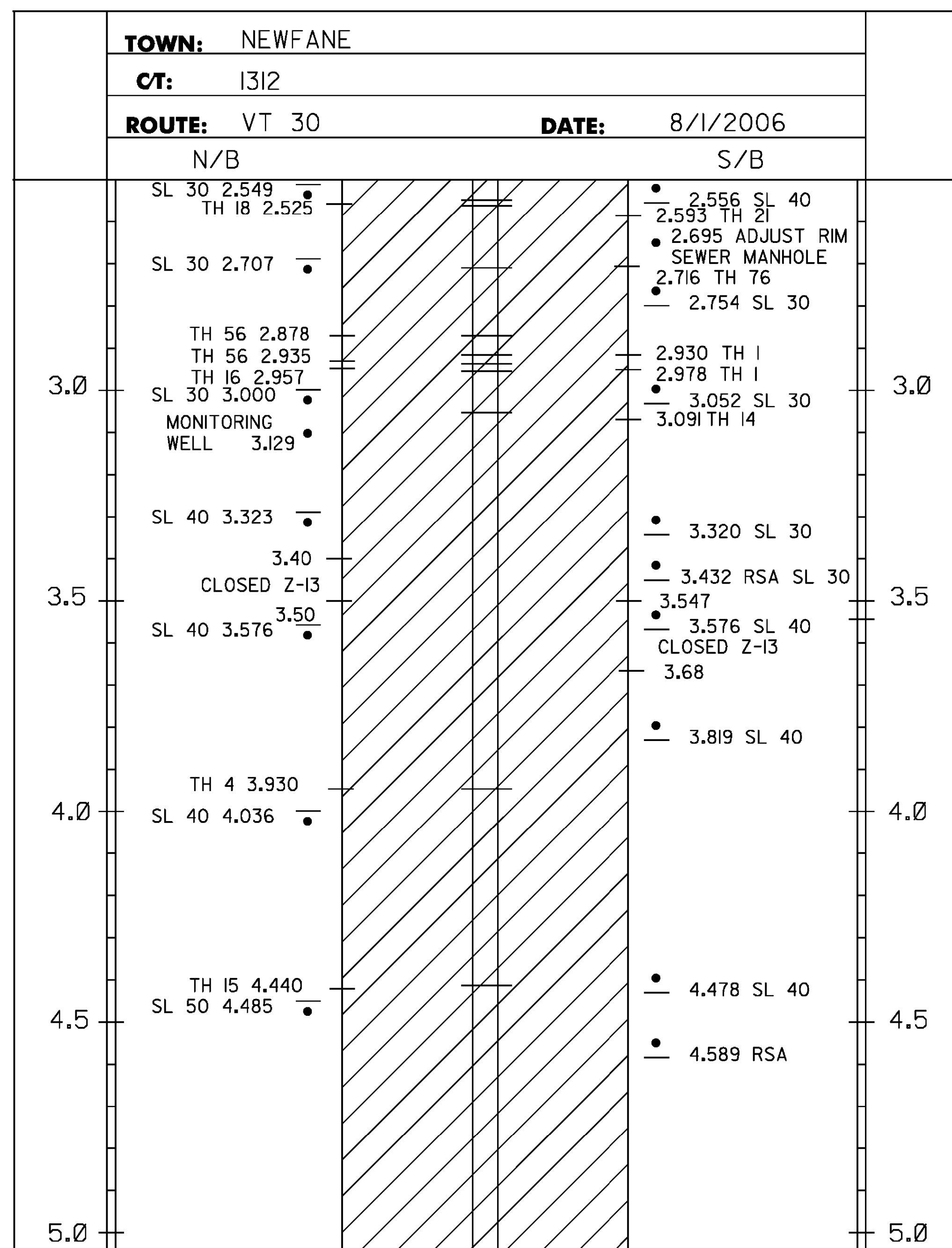
PROJECT NAME: NEWFANE-TOWNSHEND
PROJECT NUMBER: STP 2401 (1)
FILE NAME: p01b036.dgn PLOT DATE: 04-FEB-2010
PROJECT LEADER: CRB DRAWN BY: JBZ
DESIGNED BY: JBZ CHECKED BY: BDB
IPARM FILE NAME: p01b036_19.1 SHEET 19 OF 32



- 646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
MM 1.594 - MM 5.00 SOLID LT & RT
(WITH BREAKS OR RADII FOR TOWN HIGHWAYS)
- 646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
MM 1.594 - MM 5.00 SOLID LT & RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)
- 646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
MM 1.594 - MM 5.00 SOLID LT & RT
(WITH BREAKS OR RADII FOR TOWN HIGHWAYS)
- 646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
MM 1.594 - MM 5.00 SOLID LT & RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

⊙ PROJECT MILE MARKERS DID NOT MATCH UP WITH ONES ON THESE "PLANS"

NOTE:
SEE SHEET 29 FOR TOWN HIGHWAY SIGNING AND MARKING SHEET

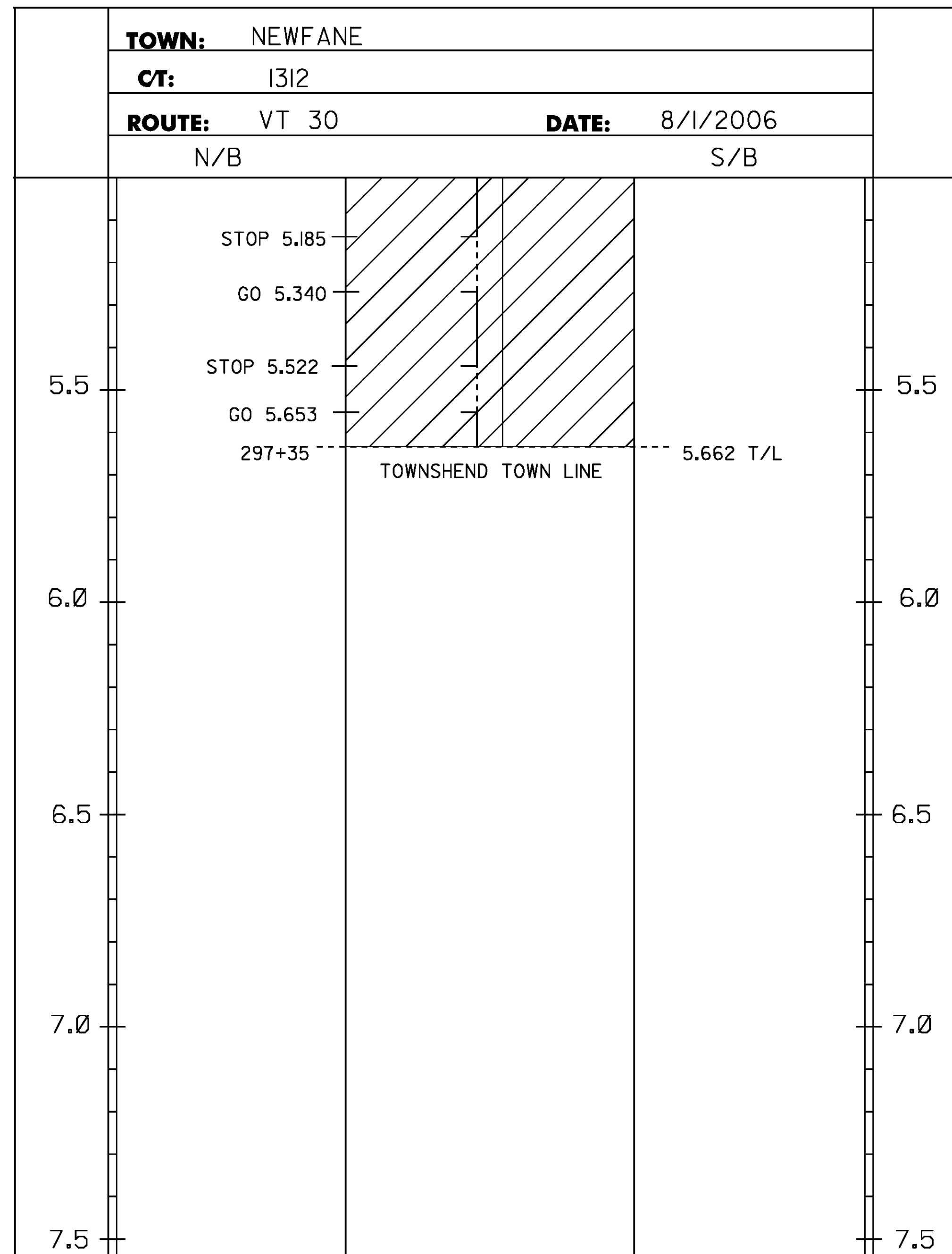


NOTES:
THIS SHEET TO BE USED FOR THE LAYOUT OF ALL PAVEMENT MARKINGS. THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKINGS SUPERVISOR AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

PROJECT LAYOUT SHEET 1

PROJECT NAME: NEWFANE-TOWNSHEND	
PROJECT NUMBER: STP 2401 (I)	
FILE NAME: p01b036.dgn	PLOT DATE: 04-FEB-2010
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: JBZ	CHECKED BY: BDB
IPARM FILE NAME: p01b036_20.1	SHEET 20 OF 32

NOT TO SCALE



646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
MM 5.000 - MM 5.662 SOLID LT & RT (NEWFANE)
MM 0.000 - MM 2.500 SOLID LT & RT (TOWNSHEND)
(WITH BREAKS OR RADII FOR TOWN HIGHWAYS)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
NEWFANE
MM 5.000 - MM 5.185 SOLID LT & RT
MM 5.185 - MM 5.340 SOLID LT, DASHED RT
MM 5.340 - MM 5.522 SOLID LT & RT
MM 5.522 - MM 5.653 SOLID LT, DASHED RT
MM 5.653 - MM 5.662 SOLID LT & RT
TOWNSHEND
MM 0.000 - MM 0.199 SOLID LT & RT
MM 0.199 - MM 0.295 SOLID LT, DASHED RT
MM 0.295 - MM 0.567 SOLID LT & RT
MM 0.567 - MM 0.692 SOLID LT, DASHED RT
MM 0.692 - MM 0.706 SOLID LT & RT
MM 0.706 - MM 0.814 DASHED LT, SOLID RT
MM 0.814 - MM 2.500 SOLID LT & RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

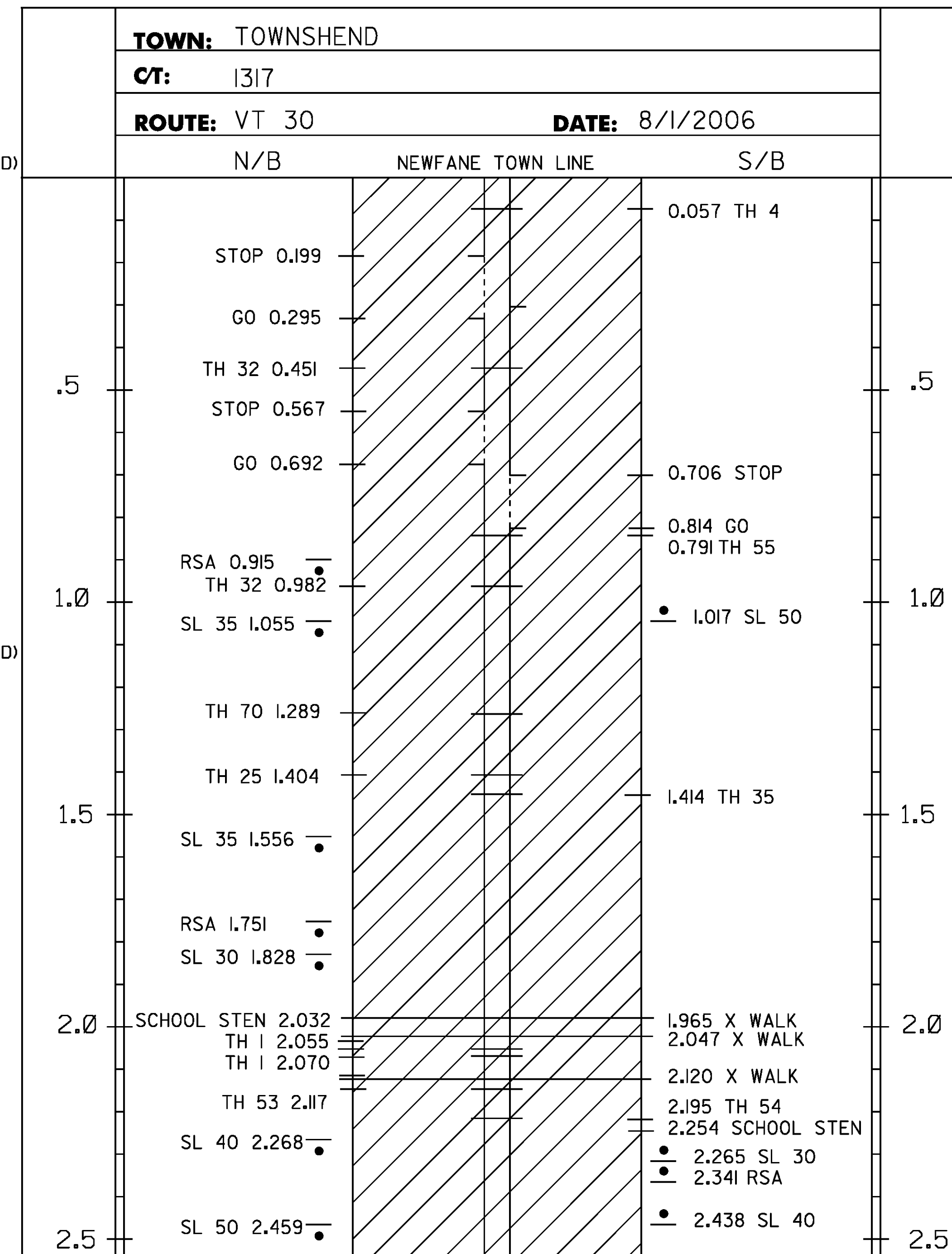
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
VT 30 MM 2.254 LT - *SCHOOL* 6 EA
(SEE SHEET 31 FOR NB STENCIL QUANTITIES)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
MM 5.000 - MM 5.662 SOLID LT & RT (NEWFANE)
MM 0.000 - MM 2.500 SOLID LT & RT (TOWNSHEND)
(WITH BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
NEWFANE
MM 5.000 - MM 5.185 SOLID LT & RT
MM 5.185 - MM 5.340 SOLID LT, DASHED RT
MM 5.340 - MM 5.522 SOLID LT & RT
MM 5.522 - MM 5.653 SOLID LT, DASHED RT
MM 5.653 - MM 5.662 SOLID LT & RT
TOWNSHEND
MM 0.000 - MM 0.199 SOLID LT & RT
MM 0.199 - MM 0.295 SOLID LT, DASHED RT
MM 0.295 - MM 0.567 SOLID LT & RT
MM 0.567 - MM 0.692 SOLID LT, DASHED RT
MM 0.692 - MM 0.706 SOLID LT & RT
MM 0.706 - MM 0.814 DASHED LT, SOLID RT
MM 0.814 - MM 2.500 SOLID LT & RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
VT 30 MM 2.254 LT - *SCHOOL* 6 EA
(SEE SHEET 31 FOR NB STENCIL QUANTITIES)

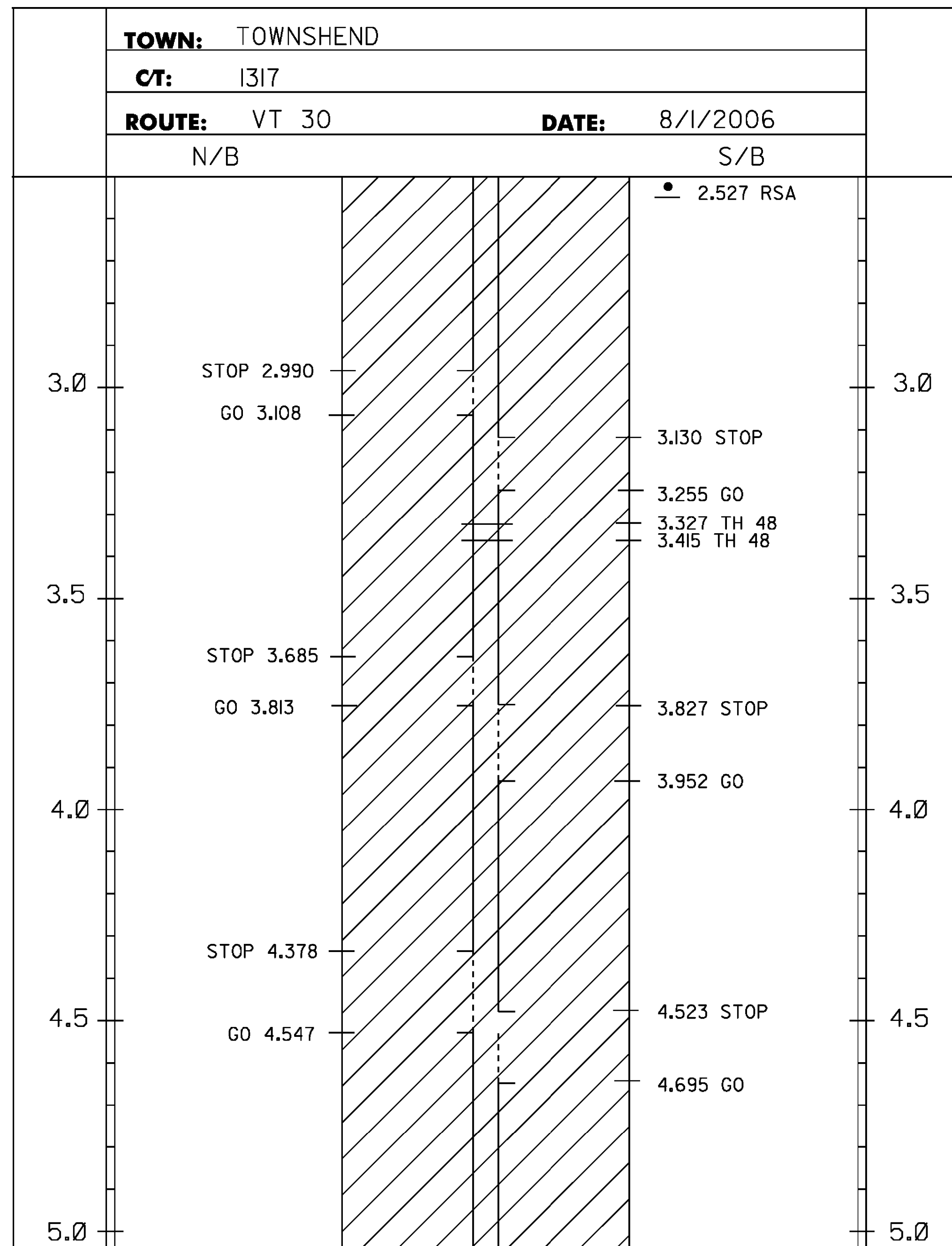
NOTES:
SEE INTERSECTION DETAIL SHEET 31 FOR
MM 1.965 - MM 2.122.
SEE SHEET 29 FOR TOWN HIGHWAY SIGNING
AND MARKING SHEET



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

PROJECT LAYOUT SHEET 2

PROJECT NAME: NEWFANE-TOWNSHEND	
PROJECT NUMBER: STP 2401 (I)	
FILE NAME: p01b036.dgn	PLOT DATE: 04-FEB-2010
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: JBZ	CHECKED BY: BDB
IPARM FILE NAME: p01b036_21.I	SHEET 21 OF 32



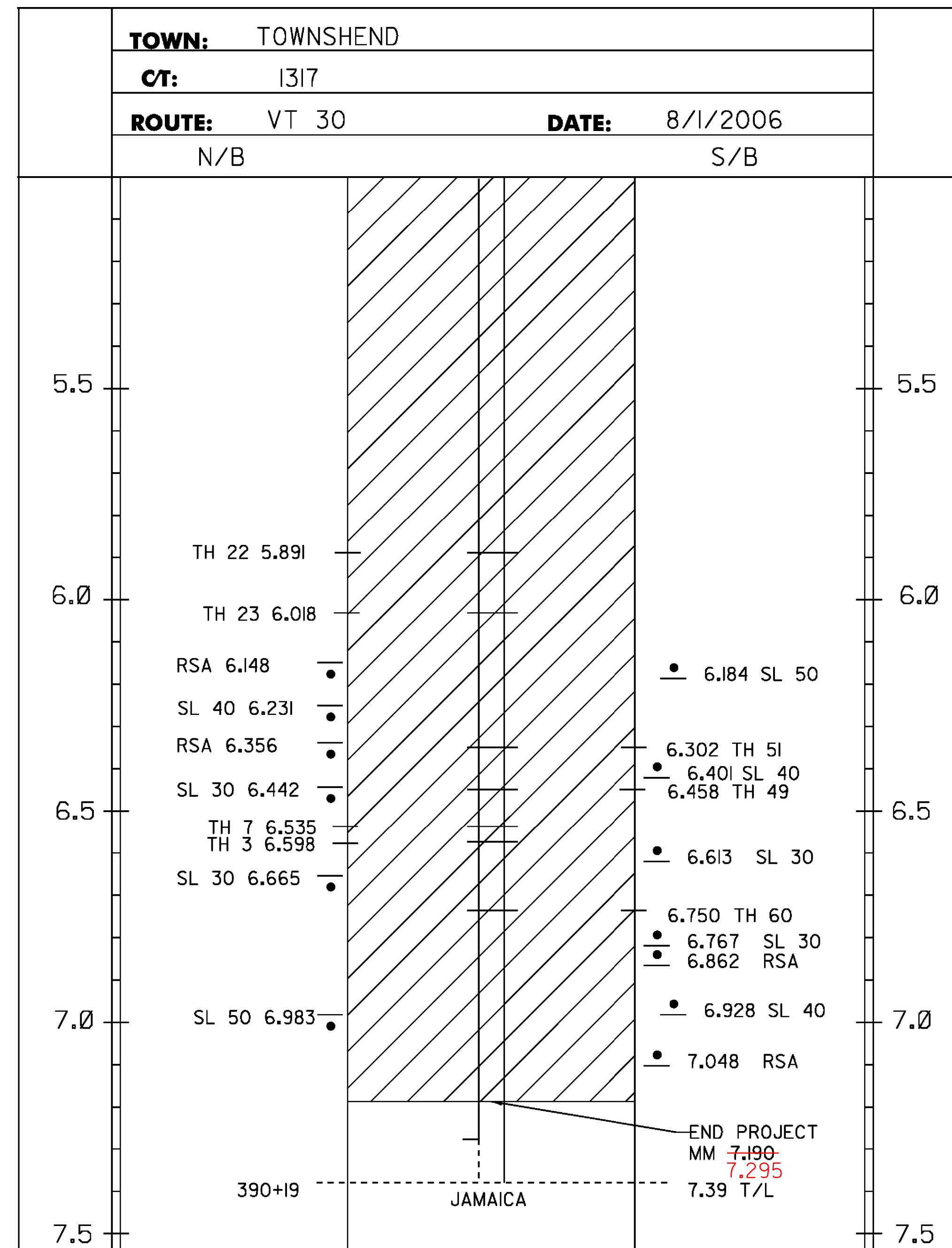
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
MM 2.500 - MM 7.190 SOLID LT & RT
(WITH BREAKS OR RADII FOR TOWN HIGHWAYS)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
MM 2.500 - MM 2.990 SOLID LT & RT
MM 2.990 - MM 3.108 SOLID LT, DASHED RT
MM 3.108 - MM 3.130 SOLID LT & RT
MM 3.130 - MM 3.255 DASHED LT, SOLID RT
MM 3.255 - MM 3.685 SOLID LT & RT
MM 3.685 - MM 3.813 SOLID LT, DASHED RT
MM 3.813 - MM 3.827 SOLID LT & RT
MM 3.827 - MM 3.952 DASHED LT, SOLID RT
MM 3.952 - MM 4.378 SOLID LT & RT
MM 4.378 - MM 4.523 SOLID LT, DASHED RT
MM 4.523 - MM 4.547 DASHED RT
MM 4.547 - MM 4.695 DASHED LT, SOLID RT
MM 4.695 - MM 7.190 SOLID LT & RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
MM 2.500 - MM 7.190 SOLID LT & RT
(WITH BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
MM 2.500 - MM 2.990 SOLID LT & RT
MM 2.990 - MM 3.108 SOLID LT, DASHED RT
MM 3.108 - MM 3.130 SOLID LT & RT
MM 3.130 - MM 3.255 DASHED LT, SOLID RT
MM 3.255 - MM 3.685 SOLID LT & RT
MM 3.685 - MM 3.813 SOLID LT, DASHED RT
MM 3.813 - MM 3.827 SOLID LT & RT
MM 3.827 - MM 3.952 DASHED LT, SOLID RT
MM 3.952 - MM 4.378 SOLID LT & RT
MM 4.378 - MM 4.523 SOLID LT, DASHED RT
MM 4.523 - MM 4.547 DASHED RT
MM 4.547 - MM 4.695 DASHED LT, SOLID RT
MM 4.695 - MM 7.190 SOLID LT & RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

NOTE:
SEE SHEET 29 FOR TOWN HIGHWAY
SIGNING AND MARKING SHEET



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

PROJECT LAYOUT SHEET 3

PROJECT NAME: NEWFANE-TOWNSHEND	
PROJECT NUMBER: STP 2401(I)	
FILE NAME: p01b036.dgn	PLOT DATE: 04-FEB-2010
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: JBZ	CHECKED BY: BDB
IPARM FILE NAME: p01b036_22.1	SHEET 22 OF 32

TRAFFIC SIGN SUMMARY SHEET #3

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND REMOVAL	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL					
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			SALV TIS	SQUARE STEEL (In)				TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.75	2.0	2.5	ANCHOR	S U M M E R	FOUND- ATION	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0				FTG. SIZE		WEIGHT	POST SIZE
											lb/ft						1.3	1.7	1.7								lb/ft			
1.88	2.42	3.35	1.3	1.7	1.7	7.6	9.0	10.8	14.6	24"	30"	WEIGHT	POST SIZE																	
NEWFANE MM 3.928 RT TH 4		1	24	30	5.00				1		12.5	X		X											VR-017	E-141				
NEWFANE MM 3.932 RT TH 4		2	30	30	6.25				1		14.0	X		X											RI-I	BACK TO BACK E-138				
NEWFANE MM 4.438 RT TH 15		1	24	30	5.00		I		1		13.5	X		X											VR-017	UPPER RIVER RD E-141				
NEWFANE MM 4.443 RT TH 15		2	30	30	6.25				1		13.75	X		X											RI-I	BACK TO BACK E-138				
TOWNSHEND MM 0.055 LT TH 4		2	30	30	6.25				1		13.5	X		X											RI-I	BACK TO BACK E-138				
TOWNSHEND MM 0.060 LT TH 4		1	24	30	5.00				1		12.5	X		X											VR-017	E-141				
TOWNSHEND MM 0.449 RT TH 32		1	24	30	5.00				1		12.5	X		X											VR-017	E-141				
TOWNSHEND MM 0.454 RT TH 32		1	30	30	6.25				1		13.25	X		X											RI-I					
TOWNSHEND MM 0.789 LT TH 55		2	30	30	6.25				1		13.5	X		X											RI-I	BACK TO BACK E-138				
TOWNSHEND MM 0.794 LT TH 55		1	24	30	5.00				1		13.5	X		X											VR-017	E-141				
TOWNSHEND MM 0.980 RT TH 32		1	24	30	5.00				1		14.5	X		X											VR-017	E-141				
TOWNSHEND MM 0.985 RT TH 32		2	30	30	6.25				1		13.75	X		X											RI-I	BACK TO BACK E-138				
TOWNSHEND MM 0.060 LT							I				12.5	X																		

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

SHEET TOTALS

SF 69.60

SF

EA. 2

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

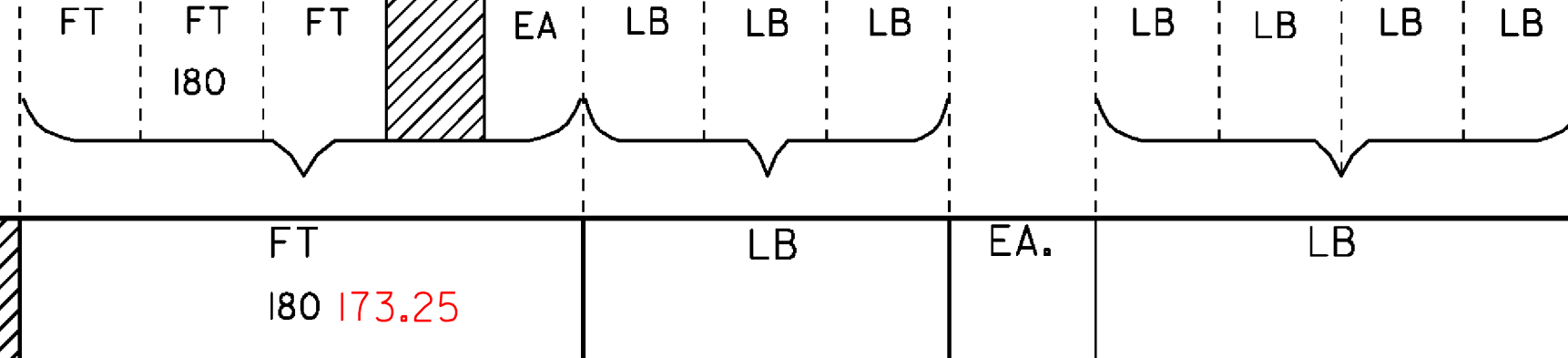
EA.

EA.

EA.

EA.

EA.



TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: NEWFANE-TOWNSHEND
PROJECT NUMBER: STP 240I (I)
FILE NAME: p0lb036.dgn
DESIGNED BY: JBZ
IPARM FILE NAME: p0lb036_25.1
PLOT DATE: 04-FEB-2010
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 25 OF 32

675.50 REMOVING SIGNS
81 - AS SHOWN IN SIGN REMOVAL CHART
(SEE SHEET 31 FOR ADDITIONAL QUANTITIES)

TOWN/STATE HIGHWAY NAME	LOCATION MM	EXISTING WIDTH FT	EXISTING PAVED/ GRAVEL	MAINLINE CENTERLINE BREAK	MAINLINE EDGE LINE BREAK	TH CENTERLINE	TH EDGE LINE	TH STOP BAR	TH STOP LETTERS	STOP SIGN	LEGAL LOAD LIMIT SIGN	OTHER
NEWFANE												
TH 45 BROWNS RD	1.600 LT	22	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 18 BACK ST	2.226 RT	28	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 18 BACK ST	2.525 RT	25	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 21 BRUCE BROOK RD	2.593 LT	28	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 76 LOOP RD	2.716 LT	36	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 56 JAIL ST	2.878 RT	16	GRAVEL	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH I WEST ST	2.930 LT	22	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE LLL SIGN AND MOVE SL25 SIGN
TH 56 JAIL ST	2.935 RT	22	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	INSTALL NEW STOP AND LLL SIGN
TH 16 CEMETERY HILL RD	2.957 RT	22	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN AND LLL SIGN
TH I COURT ST	2.978 LT	24	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN AND LLL SIGN
TH 14 CROSS ST(ONE WAY)	3.091 LT	24	PAVED	YES	YES	YES	YES	NO	NO	NO	YES	REPLACE LLL, OW (2), AND MOVE SL25 SIGN
TH 4 RADWAY HILL RD	3.930 RT	25	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 15 UPPER RIVER RD	4.440 RT	18	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TOWNSHEND												
TH 4 STATE FOREST	0.057 LT	70	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 32 ELLEN WARE RD	0.451 RT	22	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE LLL SIGN
TH 55 RIVERDALE RD	0.791 LT	30	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 32 PLUMB RD	0.982 RT	24	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 70 SAW DUST ALLEY	1.289 RT	16	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL, MM AND MOVE SL30 SIGN
TH 25 EAST HILL RD	1.404 RT	18	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 35 DEPOT RD	1.414 LT	24	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN AND MM
TH I GRAFTON RD	2.055 RT	24	PAVED									SEE INTERSECTION DETAIL ON SHEET 31
TH I GRAFTON RD	2.070 RT	24	PAVED									SEE INTERSECTION DETAIL ON SHEET 31
TH 53 COMMON RD	2.117 RT	24	PAVED									SEE INTERSECTION DETAIL ON SHEET 31
TH 54 OAKWOOD CEMETERY	2.195 LT	20	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 48 STEPHENSON CURVE	3.327 LT	24	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN AND LLL SIGN
TH 48 STEPHENSON CURVE	3.415 LT	24	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN AND LLL SIGN
TH 22 WINSLOW DR	5.891 RT	22	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 23 STRATTON DR	6.018 RT	24	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 51 FAUREAU'S CORNER	6.302 LT	14	PAVED	YES	YES	NO	NO	NO	NO	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 49 ISLAND ROAD	6.458 LT	18	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN AND LLL SIGN
TH 7 BACK WINDHAM RD	6.535 RT	24	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 3 WINDHAM HILL RD	6.598 RT	18	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM
TH 60 WARDEN RD	6.750 LT	22	PAVED	YES	YES	YES	YES	YES	YES	YES	YES	REPLACE STOP SIGN, LLL SIGN AND MM

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT

NEWFANE: MM 1.600 LT (TH 45, EDGE LINES)
MM 2.226 RT (TH 18, EDGE LINES)
MM 2.525 RT (TH 18, EDGE LINES)
MM 2.593 LT (TH 21, EDGE LINES)
MM 2.716 LT (TH 76, EDGE LINES)
MM 2.930 LT (TH 1, EDGE LINES)
MM 2.935 RT (TH 56, EDGE LINES)
MM 2.957 RT (TH 16, EDGE LINES)
MM 2.978 LT (TH 1, EDGE LINES)
MM 3.930 RT (TH 4, EDGE LINES)
MM 4.440 RT (TH 15, EDGE LINES)
TOWNSHEND: MM 0.057 LT (TH 4, EDGE LINES)
MM 0.451 RT (TH 32, EDGE LINES)
MM 0.791 LT (TH 55, EDGE LINES)
MM 0.982 RT (TH 32, EDGE LINES)
MM 6.458 LT (TH 49, EDGE LINES)
MM 6.535 RT (TH 7, EDGE LINES)
MM 6.598 RT (TH 3, EDGE LINES)
MM 6.750 LT (TH 60, EDGE LINES)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT

NEWFANE: MM 1.600 LT (TH 45, CENTERLINE)
MM 2.226 RT (TH 18, CENTERLINE)
MM 2.525 RT (TH 18, CENTERLINE)
MM 2.593 LT (TH 21, CENTERLINE)
MM 2.716 LT (TH 76, CENTERLINE)
MM 2.930 LT (TH 1, CENTERLINE)
MM 2.935 RT (TH 56, CENTERLINE)
MM 2.957 RT (TH 16, CENTERLINE)
MM 2.978 LT (TH 1, CENTERLINE)
MM 3.930 RT (TH 4, CENTERLINE)
MM 4.440 RT (TH 15, CENTERLINE)
TOWNSHEND: MM 0.057 LT (TH 4, CENTERLINE)
MM 0.451 RT (TH 32, CENTERLINE)
MM 0.791 LT (TH 55, CENTERLINE)
MM 0.982 RT (TH 32, CENTERLINE)
MM 6.458 LT (TH 49, CENTERLINE)
MM 6.535 RT (TH 7, CENTERLINE)
MM 6.598 RT (TH 3, CENTERLINE)
MM 6.750 LT (TH 60, CENTERLINE)

SIGN REMOVAL CHART
NEWFANE

MM	SIGN(S)	POST(S)
1.598 LT	REMOVE STOP & MM	REMOVE
1.603 LT	REMOVE LLL	REMOVE
2.224 RT	REMOVE LLL	REMOVE
2.229 RT	REMOVE STOP & MM	REMOVE
2.523 RT	REMOVE LLL	REMOVE
2.528 RT	REMOVE STOP & MM	REMOVE
2.591 LT	REMOVE STOP & MM	REMOVE
2.596 LT	REMOVE LLL	REMOVE
2.714 LT	REMOVE STOP & MM	REMOVE
2.719 LT	REMOVE LLL	REMOVE
2.875 RT	REMOVE LLL	REMOVE
2.881 RT	REMOVE STOP & MM	REMOVE
2.932 LT	REMOVE LLL	REMOVE
2.932 LT	REMOVE & SALV SL25	REMOVE
2.932 RT	REMOVE LLL	REMOVE
2.955 RT	REMOVE LLL	REMOVE
2.960 RT	REMOVE STOP	REMOVE
2.975 LT	REMOVE STOP	REMOVE
2.980 LT	REMOVE LLL	REMOVE
3.094 LT	REMOVE LLL	REMOVE
3.094 LT	REMOVE & SALV SL25	REMOVE
3.095 LT	REMOVE OW (2)	REMOVE
3.928 RT	REMOVE LLL	REMOVE
3.932 RT	REMOVE STOP & MM	REMOVE
4.438 RT	REMOVE LLL	REMOVE
4.443 RT	REMOVE STOP & MM	REMOVE

SIGN REMOVAL CHART
TOWNSHEND

MM	SIGN(S)	POST(S)
0.055 LT	REMOVE STOP & MM	REMOVE
0.060 LT	REMOVE LLL	REMOVE
0.449 RT	REMOVE LLL	REMOVE
0.789 LT	REMOVE STOP & MM	REMOVE
0.794 LT	REMOVE LLL	REMOVE
0.980 RT	REMOVE LLL	REMOVE
0.985 RT	REMOVE STOP & MM	REMOVE
1.287 RT	REMOVE LLL	REMOVE
1.287 RT	REMOVE & SALV SL30	REMOVE
1.292 RT	REMOVE STOP & MM	REMOVE
1.402 RT	REMOVE LLL	REMOVE
1.407 RT	REMOVE STOP & MM	REMOVE
1.412 LT	REMOVE STOP & MM	REMOVE
1.965 RT	REMOVE XWALK SIGNS	REMOVE
1.970 LT	REMOVE XWALK SIGNS	REMOVE
2.050 RT	REMOVE STOP & MM	REMOVE
2.053 RT	REMOVE STOP	REMOVE
2.062 RT	REMOVE STOP	REMOVE
2.115 RT	REMOVE LLL & NTT	REMOVE
2.128 RT	REMOVE STOP & MM	REMOVE
2.193 LT	REMOVE STOP & MM	REMOVE
2.198 LT	REMOVE LLL	REMOVE
3.325 LT	REMOVE STOP	REMOVE
3.321 LT	REMOVE LLL	REMOVE
3.413 LT	REMOVE STOP	REMOVE
3.418 LT	REMOVE LLL	REMOVE

SIGN REMOVAL CHART
TOWNSHEND - CONTINUED

MM	SIGN(S)	POST(S)
5.889 RT	REMOVE LLL	REMOVE
5.894 RT	REMOVE STOP & MM	REMOVE
6.016 RT	REMOVE LLL	REMOVE
6.021 RT	REMOVE STOP & MM	REMOVE
6.300 LT	REMOVE STOP & MM	REMOVE
6.306 LT	REMOVE LLL	REMOVE
6.456 LT	REMOVE STOP	REMOVE
6.461 LT	REMOVE LLL	REMOVE
6.532 RT	REMOVE LLL	REMOVE
6.538 RT	REMOVE STOP & MM	REMOVE
6.596 RT	REMOVE LLL	REMOVE
6.601 RT	REMOVE STOP & MM	REMOVE
6.748 LT	REMOVE STOP & MM	REMOVE
6.753 LT	REMOVE LLL	REMOVE

675.60 ERECTING SALVAGED SIGNS

NEWFANE: MM 2.932 LT - SL 25
MM 3.094 LT - SL 25
TOWNSHEND: MM 1.287 RT - SL 30

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

NEWFANE: MM 1.600 LT *STOP* (TH 45, 4 EA)
MM 2.226 RT *STOP* (TH 18, 4 EA)
MM 2.525 RT *STOP* (TH 18, 4 EA)
MM 2.593 LT *STOP* (TH 21, 4 EA)
MM 2.716 LT *STOP* (TH 76, 4 EA)
MM 2.930 LT *STOP* (TH 1, 4 EA)
MM 2.935 RT *STOP* (TH 56, 4 EA)
MM 2.957 RT *STOP* (TH 16, 4 EA)
MM 2.978 LT *STOP* (TH 1, 4 EA)
MM 3.930 RT *STOP* (TH 4, 4 EA)
MM 4.440 RT *STOP* (TH 15, 4 EA)
TOWNSHEND: MM 0.057 LT *STOP* (TH 4, 4 EA)
MM 0.451 RT *STOP* (TH 32, 4 EA)
MM 0.791 LT *STOP* (TH 55, 4 EA)
MM 0.982 RT *STOP* (TH 32, 4 EA)
MM 6.458 LT *STOP* (TH 49, 4 EA)
MM 6.535 RT *STOP* (TH 7, 4 EA)
MM 6.598 RT *STOP* (TH 3, 4 EA)
MM 6.750 LT *STOP* (TH 60, 4 EA)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC

646.682 TEMPORARY 24 INCH STOP BAR, PAINT

NEWFANE: MM 1.600 LT (TH 45, 17 LF)
MM 2.226 RT (TH 18, 15 LF)
MM 2.525 RT (TH 18, 15 LF)
MM 2.593 LT (TH 21, 31 LF)
MM 2.716 LT (TH 76, 24 LF)
MM 2.930 LT (TH 1, 17 LF)
MM 2.935 RT (TH 56, 17 LF)
MM 2.957 RT (TH 16, 17 LF)
MM 2.978 LT (TH 1, 18 LF)
MM 3.930 RT (TH 4, 19 LF)
MM 4.440 RT (TH 15, 17 LF)
TOWNSHEND: MM 0.057 LT (TH 4, 41 LF)
MM 0.451 RT (TH 32, 17 LF)
MM 0.791 LT (TH 55, 18 LF)
MM 0.982 RT (TH 32, 18 LF)
MM 6.458 LT (TH 49, 15 LF)
MM 6.535 RT (TH 7, 18 LF)
MM 6.598 RT (TH 3, 15 LF)
MM 6.750 LT (TH 60, 17 LF)

LEGEND
OW = ONE WAY
NTT = NO THRU TRAFFIC

**TOWN HIGHWAY SIGNING
AND MARKING SHEET**

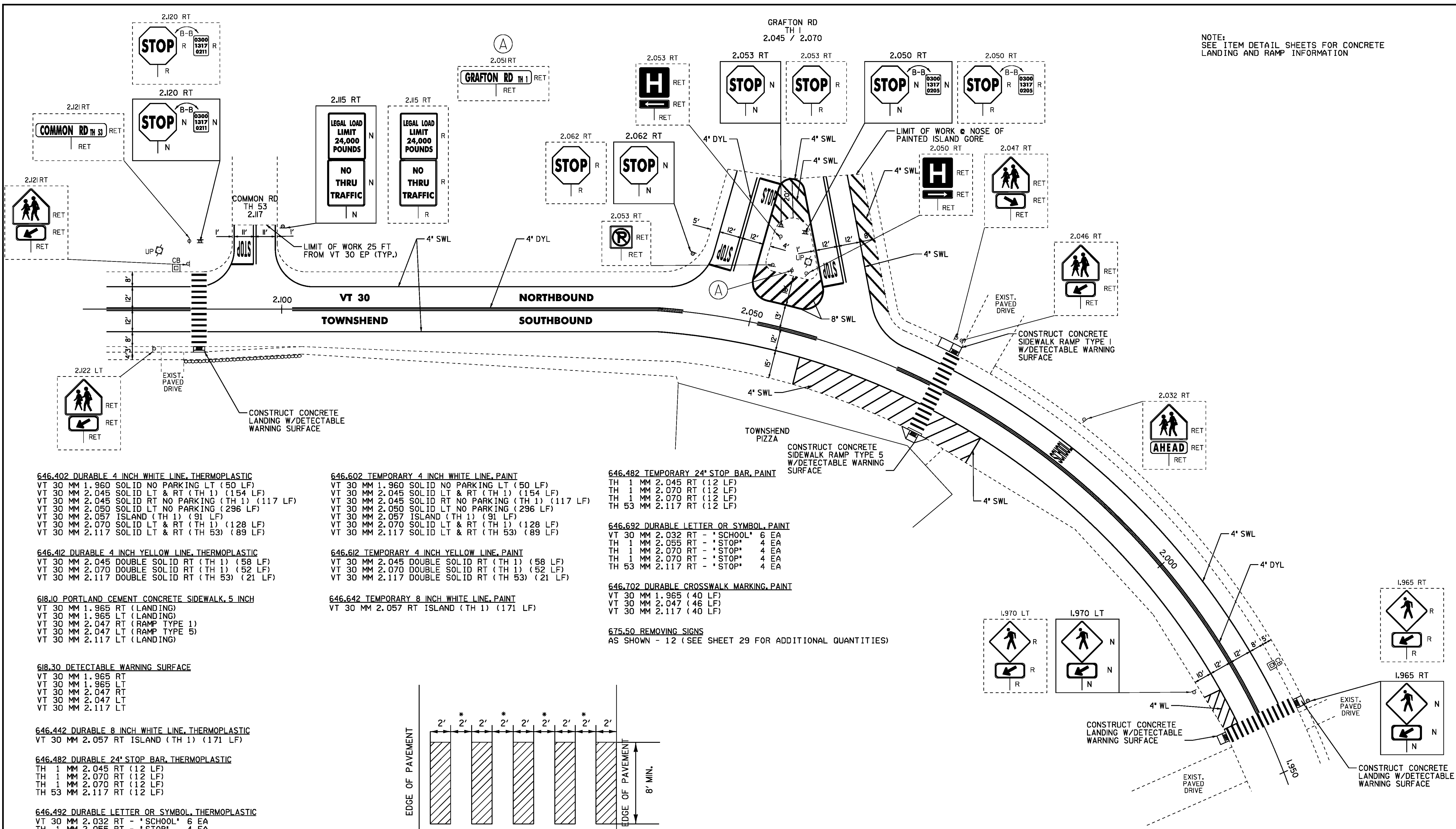
PROJECT NAME: NEWFANE-TOWNSHEND

PROJECT NUMBER: STP 240I (I)

FILE NAME: p01b036.dgn PLOT DATE: 04-FEB-2010
PROJECT LEADER: CRB DRAWN BY: JBZ
DESIGNED BY: JBZ CHECKED BY: BDB
IPARM FILE NAME: p01b036_29.1 SHEET 29 OF 32

NOT TO SCALE

NOTE:
SEE ITEM DETAIL SHEETS FOR CONCRETE
LANDING AND RAMP INFORMATION



- 646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC**
 VT 30 MM 1.960 SOLID NO PARKING LT (50 LF)
 VT 30 MM 2.045 SOLID LT & RT (TH 1) (154 LF)
 VT 30 MM 2.045 SOLID RT NO PARKING (TH 1) (117 LF)
 VT 30 MM 2.050 SOLID LT NO PARKING (296 LF)
 VT 30 MM 2.057 ISLAND (TH 1) (91 LF)
 VT 30 MM 2.070 SOLID LT & RT (TH 1) (128 LF)
 VT 30 MM 2.117 SOLID LT & RT (TH 53) (89 LF)
- 646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC**
 VT 30 MM 2.045 DOUBLE SOLID RT (TH 1) (58 LF)
 VT 30 MM 2.070 DOUBLE SOLID RT (TH 1) (52 LF)
 VT 30 MM 2.117 DOUBLE SOLID RT (TH 53) (21 LF)

- 646.602 TEMPORARY 4 INCH WHITE LINE, PAINT**
 VT 30 MM 1.960 SOLID NO PARKING LT (50 LF)
 VT 30 MM 2.045 SOLID LT & RT (TH 1) (154 LF)
 VT 30 MM 2.045 SOLID RT NO PARKING (TH 1) (117 LF)
 VT 30 MM 2.050 SOLID LT NO PARKING (296 LF)
 VT 30 MM 2.057 ISLAND (TH 1) (91 LF)
 VT 30 MM 2.070 SOLID LT & RT (TH 1) (128 LF)
 VT 30 MM 2.117 SOLID LT & RT (TH 53) (89 LF)
- 646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT**
 VT 30 MM 2.045 DOUBLE SOLID RT (TH 1) (58 LF)
 VT 30 MM 2.070 DOUBLE SOLID RT (TH 1) (52 LF)
 VT 30 MM 2.117 DOUBLE SOLID RT (TH 53) (21 LF)

- 646.482 TEMPORARY 24" STOP BAR, PAINT**
 TH 1 MM 2.045 RT (12 LF)
 TH 1 MM 2.070 RT (12 LF)
 TH 53 MM 2.117 RT (12 LF)
- 646.692 DURABLE LETTER OR SYMBOL, PAINT**
 VT 30 MM 2.032 RT - "SCHOOL" 6 EA
 TH 1 MM 2.055 RT - "STOP" 4 EA
 TH 1 MM 2.070 RT - "STOP" 4 EA
 TH 53 MM 2.117 RT - "STOP" 4 EA
- 646.702 DURABLE CROSSWALK MARKING, PAINT**
 VT 30 MM 1.965 (40 LF)
 VT 30 MM 2.047 (46 LF)
 VT 30 MM 2.117 (40 LF)

- 618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH**
 VT 30 MM 1.965 RT (LANDING)
 VT 30 MM 1.965 LT (LANDING)
 VT 30 MM 2.047 RT (RAMP TYPE 1)
 VT 30 MM 2.047 LT (RAMP TYPE 5)
 VT 30 MM 2.117 LT (LANDING)

- 646.642 TEMPORARY 8 INCH WHITE LINE, PAINT**
 VT 30 MM 2.057 RT ISLAND (TH 1) (171 LF)

675.50 REMOVING SIGNS
 AS SHOWN - 12 (SEE SHEET 29 FOR ADDITIONAL QUANTITIES)

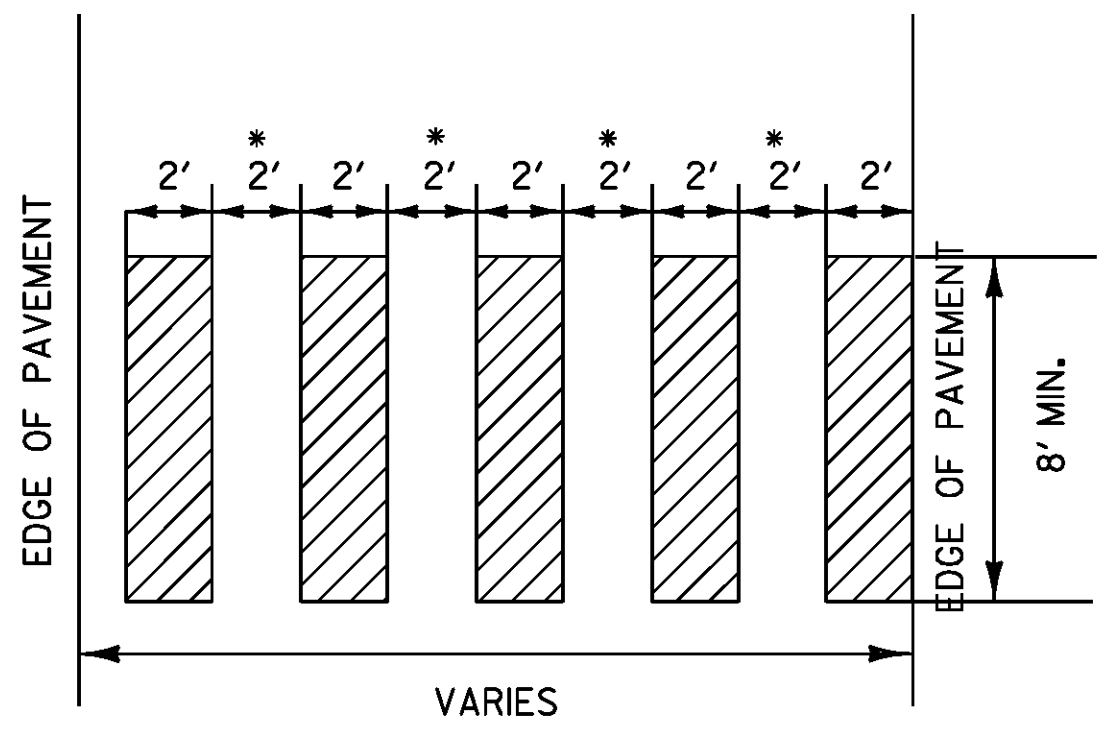
- 618.30 DETECTABLE WARNING SURFACE**
 VT 30 MM 1.965 RT
 VT 30 MM 1.965 LT
 VT 30 MM 2.047 RT
 VT 30 MM 2.047 LT
 VT 30 MM 2.117 LT

- 646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC**
 VT 30 MM 2.057 RT ISLAND (TH 1) (171 LF)

- 646.482 DURABLE 24" STOP BAR, THERMOPLASTIC**
 TH 1 MM 2.045 RT (12 LF)
 TH 1 MM 2.070 RT (12 LF)
 TH 1 MM 2.070 RT (12 LF)
 TH 53 MM 2.117 RT (12 LF)

- 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC**
 VT 30 MM 2.032 RT - "SCHOOL" 6 EA
 TH 1 MM 2.055 RT - "STOP" 4 EA
 TH 1 MM 2.070 RT - "STOP" 4 EA
 TH 1 MM 2.070 RT - "STOP" 4 EA
 TH 53 MM 2.117 RT - "STOP" 4 EA

- 646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC**
 VT 30 MM 1.965 (40 LF)
 VT 30 MM 2.047 (46 LF)
 VT 30 MM 2.117 (40 LF)



BLOCK PATTERN CROSSWALK DETAIL

NOT TO SCALE

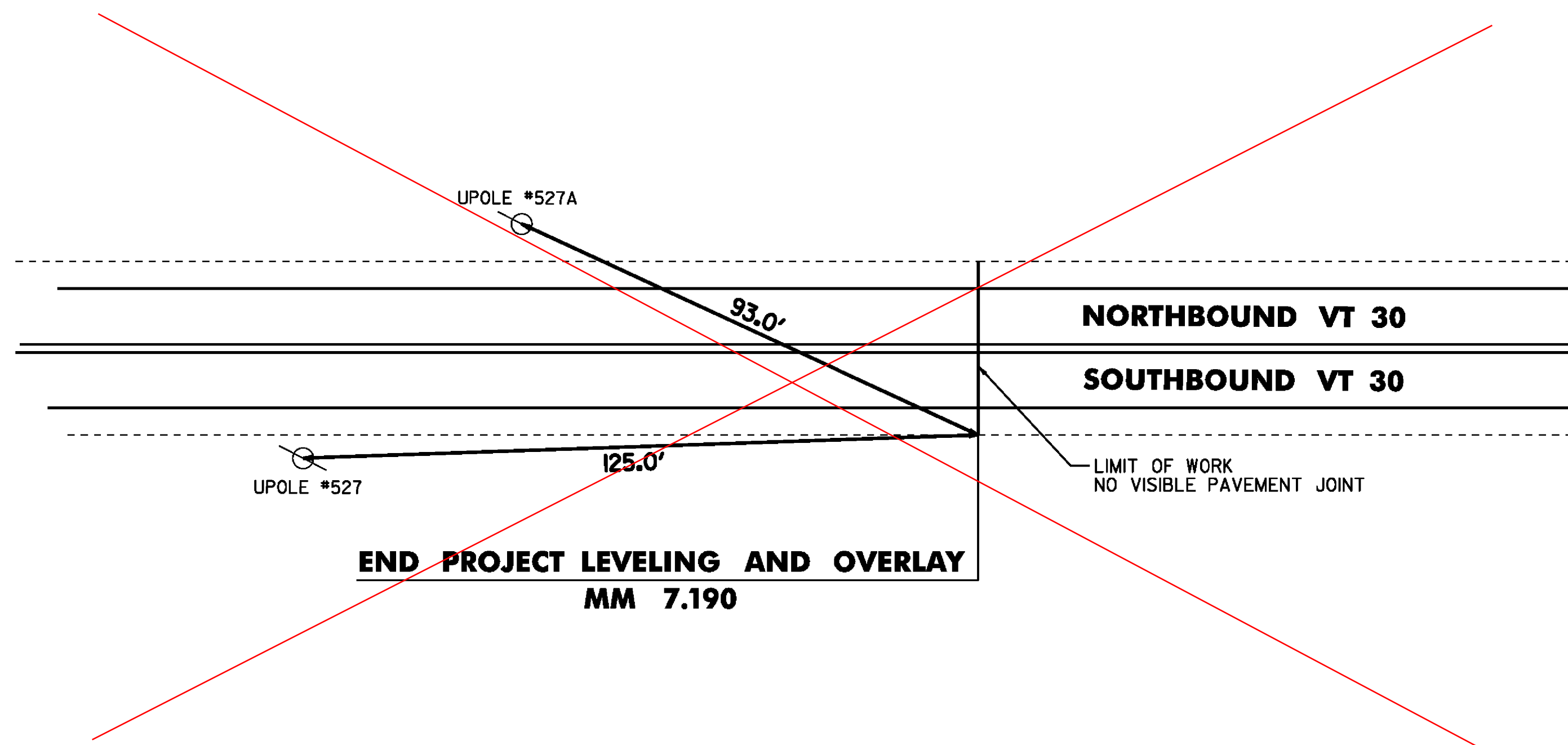
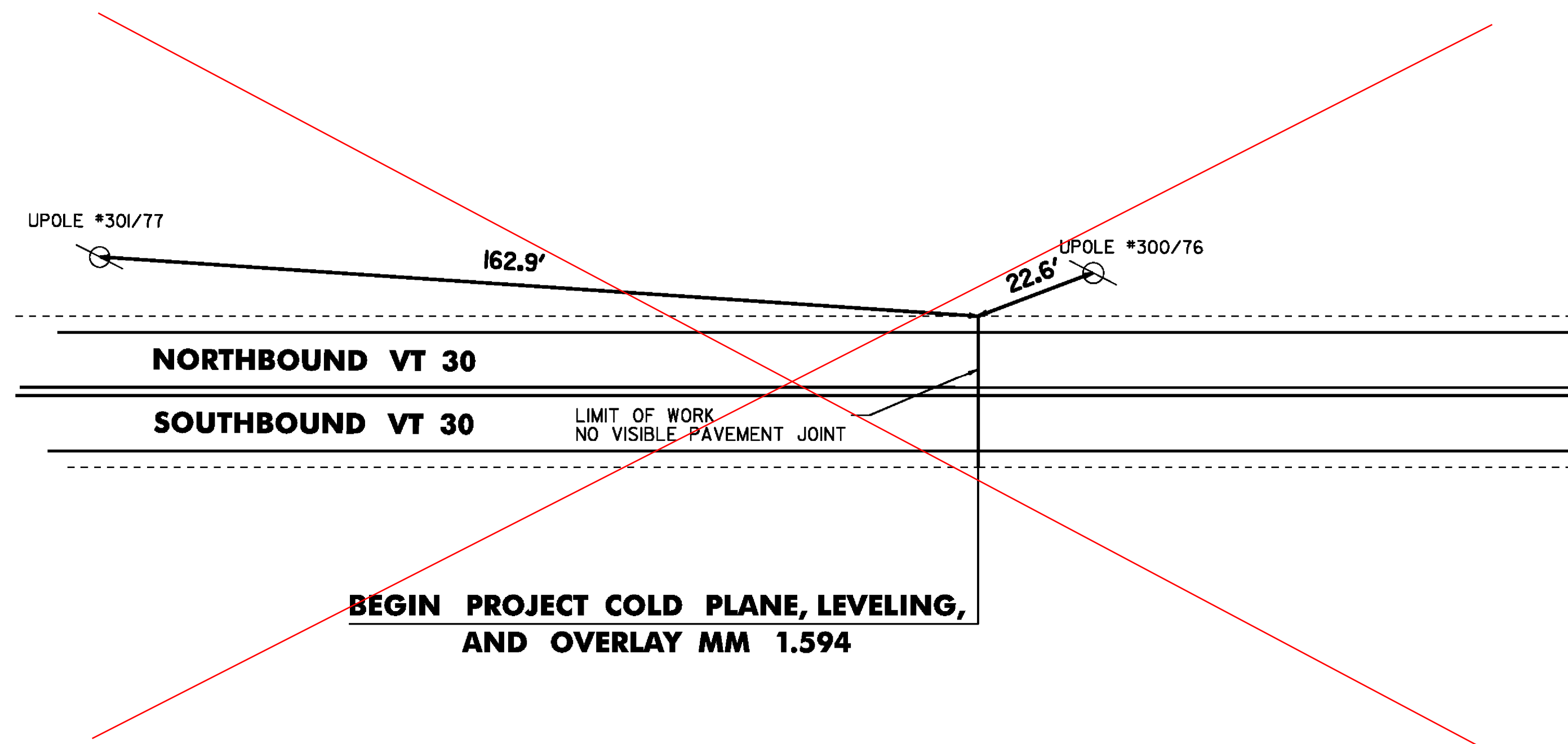
- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = EXISTING GUARDRAIL
 - - - = PROPOSED GUARDRAIL
 - YL = YELLOW LINE
 - WL = WHITE LINE

INTERSECTION DETAIL SHEET

PROJECT NAME: NEWFANE-TOWNSHEND
 PROJECT NUMBER: STP 2401(1)

FILE NAME: p01b036.dgn
 PROJECT LEADER: CRB
 DESIGNED BY: JBZ
 IPARM FILE NAME: p01b036_30.1

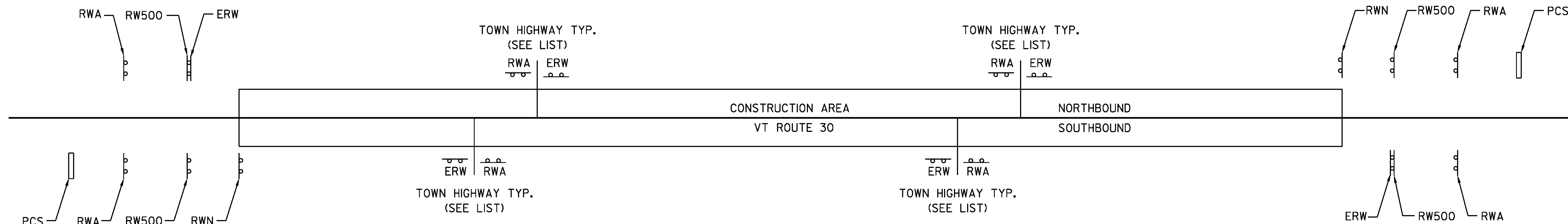
PLOT DATE: 04-FEB-2010
 DRAWN BY: JBZ
 CHECKED BY: BDB
 SHEET 30 OF 32



NOT TO SCALE

TIE SHEET

PROJECT NAME: NEWFANE-TOWNSHEND	PLOT DATE: 04-FEB-2010
PROJECT NUMBER: STP 240I (I)	DRAWN BY: JBZ
FILE NAME: p01b036.dgn	CHECKED BY: BDB
PROJECT LEADER: CRB	SHEET 31 OF 32
DESIGNED BY: JBZ	
IPARM FILE NAME: p01b036_31.I	



LIST OF TOWN/STATE HIGHWAYS FOR CONSTRUCTION SIGNS

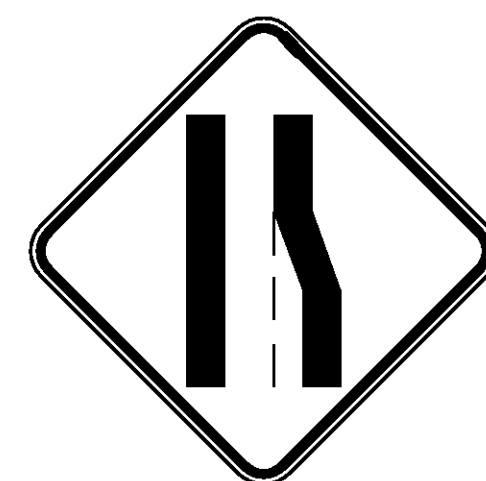
TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD (RWA)	END ROAD WORK (ERW)	ROAD WORK 500' (RW500)	SIDE ROAD WORK AHEAD (SRWA)	SIDE ROAD WORK 500' (SRW500)	ROAD WORK NEXT 1/2 MILES (RWN)	PORTABLE CHANGEABLE SIGN (PCS)
NEWFANE							
VT 30 BEGIN PROJECT	2	1	2			1	1
TH 45 BROWNS RD	1	1					
TH 18 BACK ST	1	1					
TH 18 BACK ST	1	1					
TH 21 BRUCE BROOK RD	1	1					
TH 76 LOOP RD	1	1					
TH 56 JAIL ST	1	1					
TH 1 WEST ST	1	1					
TH 56 JAIL ST	1	1					
TH 16 CEMETERY HILL RD	1	1					
TH 1 COURT ST	1	1					
TH 14 CROSS ST	1	1					
TH 4 RADWAY HILL RD	1	1					
TH 15 UPPER RIVER RD	1	1					
TOWNSHEND							
TH 4 STATE FOREST	1	1					
TH 32 ELLEN WARE RD	1	1					
TH 55 RIVERDALE RD	1	1					
TH 32 PLUMB RD	1	1					
TH 70 SAW DUST ALLEY	1	1					
TH 25 EAST HILL RD	1	1					
TH 35 DEPOT RD	1	1					
TH 1 GRAFTON RD	1	1					
TH 1 GRAFTON RD	1	1					
TH 53 COMMON RD	1	1					
TH 54 OAKWOOD CEMETERY	1	1					
TH 48 STEPHENSON CURVE	1	1					
TH 48 STEPHENSON CURVE	1	1					
TH 22 WINSLOW DR	1	1					
TH 23 STRATTON DR	1	1					
TH 51 FAUREAU'S CORNER	1	1					
TH 49 ISLAND RD	1	1					
TH 7 BACK WINDHAM RD	1	1					
TH 3 WINDHAM HILL RD	1	1					
TH 60 WARDEN RD	1	1					
VT 30 END PROJECT	2	1	2			1	1
TOTAL	37	35	4	0	0	2	2

NOTES:

1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE BOARDS WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED SHALL BE SUBMITTED TO THE RESIDENT ENGINEER IN ADVANCE FOR APPROVAL. THE COST OF PROVIDING THESE MESSAGE BOARDS SHALL BE PAID UNDER 641.15, PORTABLE CHANGEABLE MESSAGE SIGN.
3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING. PORTABLE FLASHING 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 RESIDENT ENGINEER SHALL ALSO BE INCLUDED.
4. THE MUTCD 2003 SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC 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. 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. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.
7. ON VTRANS STANDARD E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2.
8. WHEN DIRECTED BY THE RESIDENT ENGINEER, "NO OUTLET" SIDE ROADS WILL NOT REQUIRE CONSTRUCTION SIGNING.
9. SEE STD E-100, E-100A AND E-103 FOR SIGN PLACEMENT.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY PEDESTRIAN FACILITIES WHEN WORKING ON SIDEWALK RAMPS.



W4-2



W9-2



NOT TO SCALE

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME:	NEWFANE-TOWNSHEND
PROJECT NUMBER:	STP 2401 (1)
FILE NAME:	01b036.dgn
PROJECT LEADER:	CRB
DESIGNED BY:	JBZ
IPARM FILE NAME:	01b036_32.1
PLOT DATE:	04-FEB-2010
DRAWN BY:	JBZ
CHECKED BY:	BDB
SHEET	32 OF 32