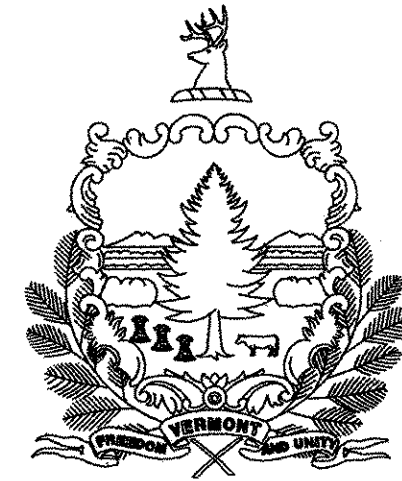


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4.-5. QUANTITY SHEETS
6.-8. ITEM DETAIL SUMMARY SHEETS
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81.-82. BRIDGE APPROACH SECTION DETAIL SHEETS
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84. GUARDRAIL DETAIL SHEET/CONSTRUCTION APPROACH SIGNS

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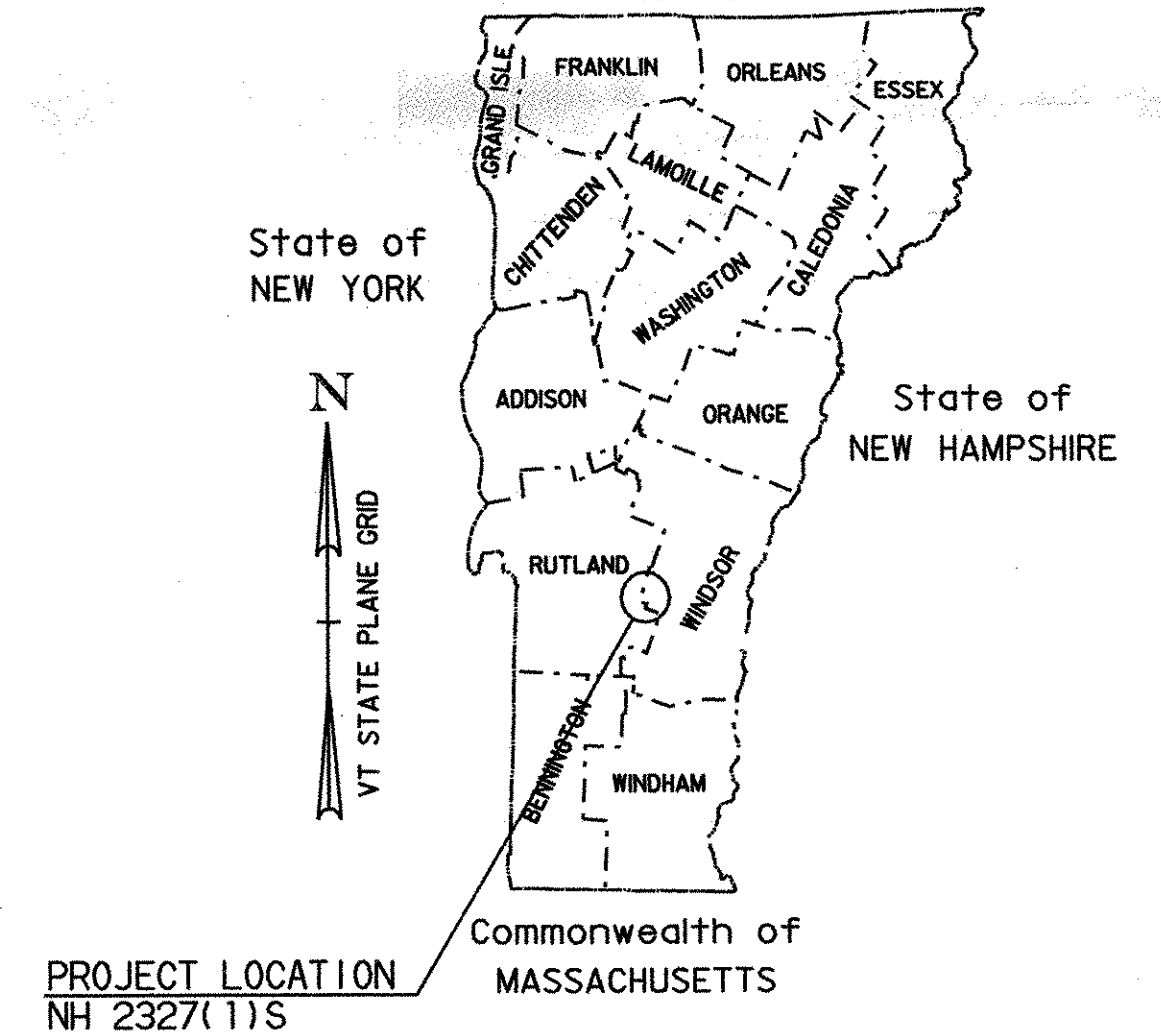
C-1M	TREATED TIMBER CURB	01-03-00
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E-101M	CONSTRUCTION SIGN DETAILS	05-30-03
E-102M	CONSTRUCTION SIGN DETAILS	06-30-03
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E-153M	WARNING SIGN DETAILS	06-13-97
E-160M	FLANGED CHANNEL STEEL SIGN POST	06-13-97
E-164M	SQUARE STEEL SIGN POST	06-13-97
E-191M	PAVEMENT MARKING DETAILS	02-01-99
E-193M	PAVEMENT MARKING DETAILS	06-13-97
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G-1DM	ANCHOR FOR STEEL BEAM GUARDRAIL	01-03-00
G-4M	YIELDING MARKER POSTS	06-13-97
G-19M	GENERIC GRADING PLAN FOR GUARDRAIL TERMINALS	11-15-02
SB-R6-82M	BRIDGE RAILING HEAVY DUTY STEEL BEAM	07-10-97

STATE OF VERMONT
AGENCY OF TRANSPORTATIONPROPOSED IMPROVEMENT
TOWNS OF LUDLOW
AND MT. HOLLY
COUNTIES OF WINDSOR AND RUTLAND
VT. ROUTE 103

BEGINNING IN THE TOWN OF LUDLOW AT MILE MARKER 2.827 = STA. 4+549.616 AND EXTENDING
NORTHERLY ALONG VT. ROUTE 103 FOR A DISTANCE OF 17181.356 m (10.676 MILES)
TO A POINT IN MT. HOLLY AT MILE MARKER 7.713 = STA. 12+412.870.

LENGTH OF ROADWAY 17181.356 m (10.676 MILES)
LENGTH OF PROJECT 17181.356 m (10.676 MILES)

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



PROJECT LOCATION
NH 2327(1)S

TRAFFIC DATA

LOCATION	ADT		DHV		ESALS	ESALS
	2003	2013	2003	2013	2003-2013	2003-2023
(LUDLOW) MM 2.827-MM 4.06	8500	9900	920	1100	3,604,000	9,340,000
(LUDLOW-MT. HOLLY) MM 4.06-MM 1.61	5500	6400	590	690	3,307,000	8,608,000
(MT. HOLLY) MM 1.61-MM 7.713	4700	5500	510	590	2,836,000	7,403,000

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	4,670,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	58-34

CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---o---o---
POINT OF ACCESS	X
FENCE LINE	---x---x---
STONE WALL	-----
TRAVELED WAY	=====
GUARD RAIL	=====
RAILROAD	=====
SURVEY LINE	-----
CULVERT	-----
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊙
CONTROL OF ACCESS	---/---
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	---SR---
TOP OF CUT	---△---
TOE OF SLOPE	---○---

DATUM
VERTICAL N/A
HORIZONTAL N/A

RECORD PLANS

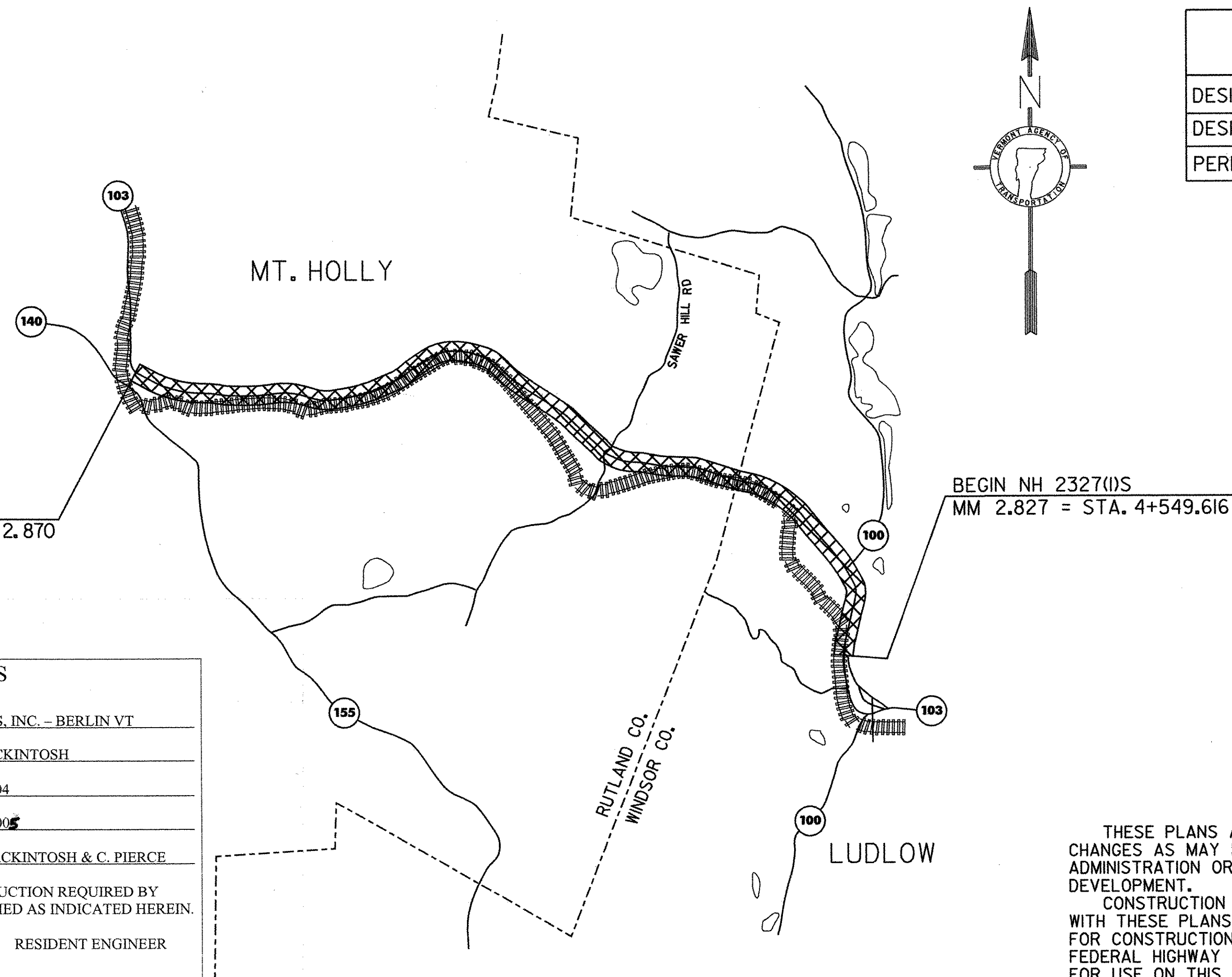
CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN VT
RESIDENT ENGINEER: MARK MACKINTOSH
CONSTRUCTION BEGAN: JUNE 1, 2004
CONSTRUCTION COMPLETE: JUNE 15, 2005
RECORD PLANS BY: MARK MACKINTOSH & C. PIERCE

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

BY RESIDENT ENGINEER

DATE 1-25-06

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.



UNLESS OTHERWISE NOTED, ALL DRAWINGS AND
DETAILS OF THE PROJECT PLANS ARE NOT TO
SCALE

RIGHT OF WAY LIMITS, IF APPLICABLE, ARE
PROVIDED SOLELY FOR THE CONVENIENCE OF
THE STATE AND ITS CONTRACTOR DURING
THE COURSE OF THIS PAVING PROJECT. ANY
REFERENCES TO OFFSETS ON THESE PLANS ARE
APPROXIMATE AND SHOULD NOT BE RELIED UPON
FOR ANY OTHER PURPOSES

Metric

APPROVED: DATE 2/18/04
DIRECTOR OF PROGRAM DEVELOPMENT

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____ DATE _____
DIVISION ADMINISTRATOR

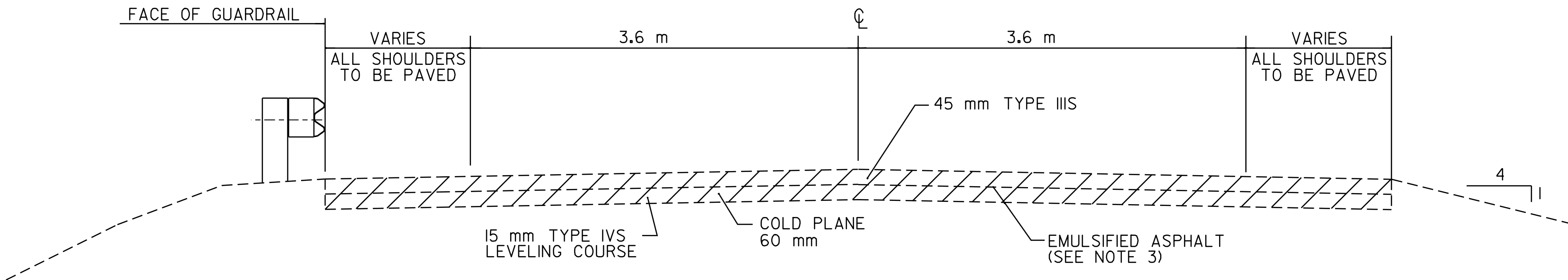
PROJECT LUDLOW - MT. HOLLY
AC NH 2327(1)S

SHEET 1 OF 84 SHEETS

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

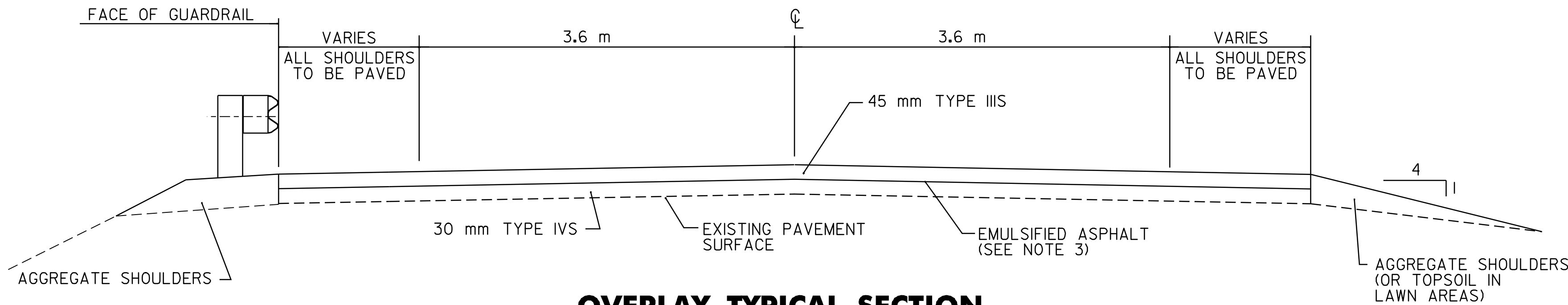
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

/pave/01b024/pb024.dgn/pb024+1.t



COLD PLANE, LEVEL & OVERLAY TYPICAL SECTION

VT. ROUTE 103 LUDLOW STA. 4+549.616 TO LUDLOW STA. 6+963.631

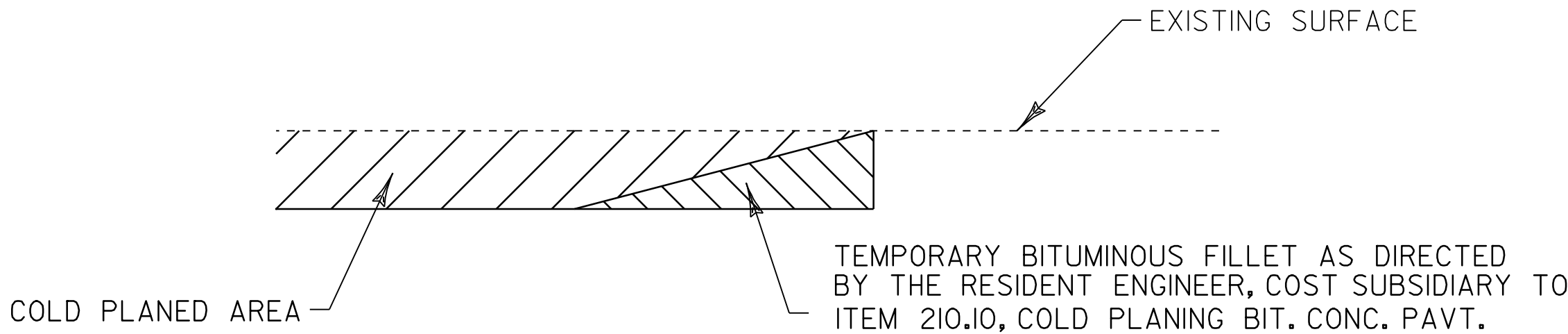


OVERLAY TYPICAL SECTION

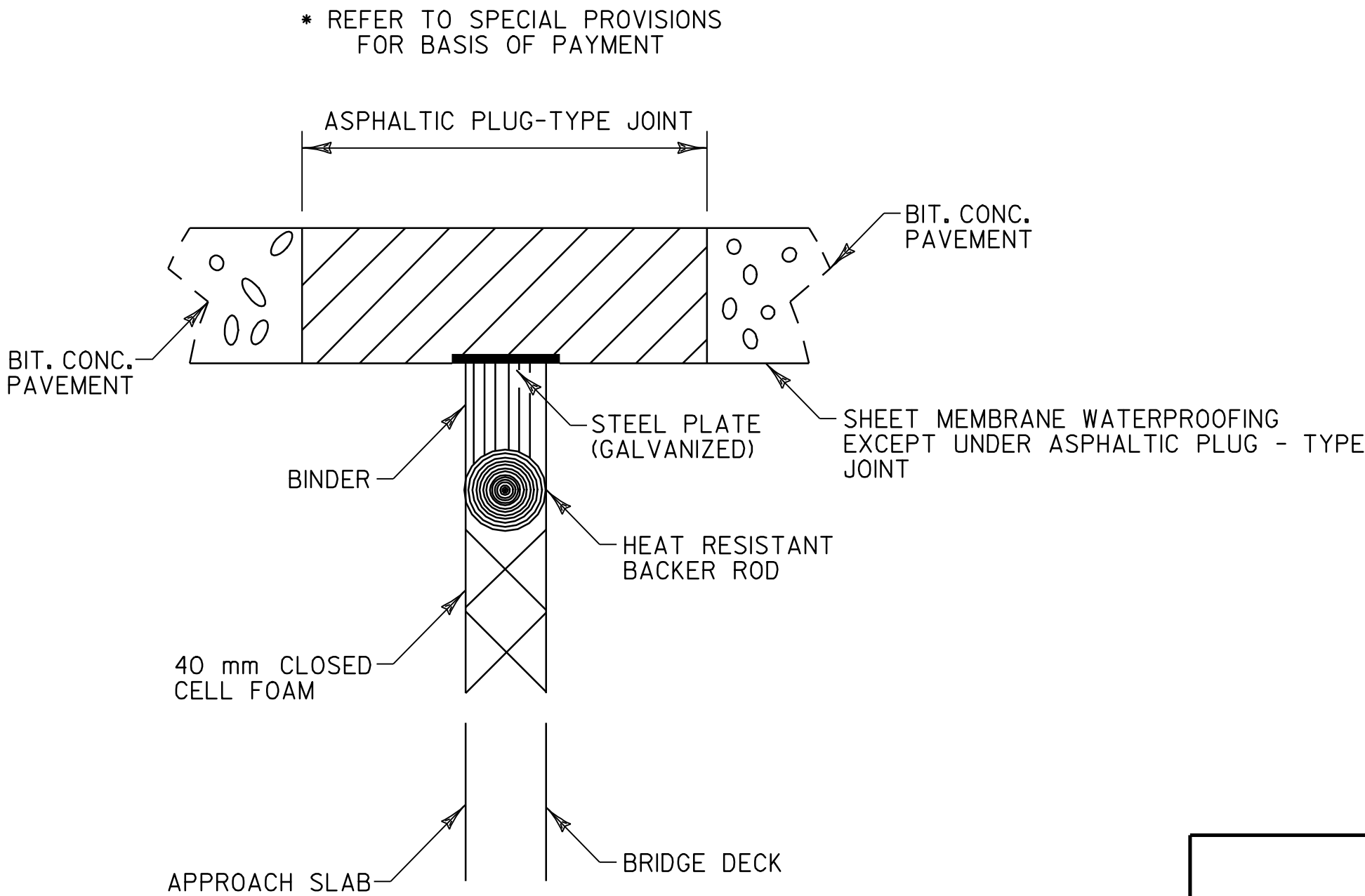
VT. ROUTE 103 LUDLOW STA. 6+963.631 TO MT. HOLLY STA. 12+412.870

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING †	NOTES
LUDLOW VT. ROUTE 103	4+549.616	6+963.631	VARIES - 3.6 m - 3.6 m - VARIES	45 mm	1287	COLD PLANE 60 mm, LEVEL 15 mm TYPE IVS, OVERLAY 45 mm TYPE IIIS
LUDLOW-MT. HOLLY VT. ROUTE 103	6+963.631	12+412.870	VARIES - 3.6 m - 3.6 m - VARIES	45 mm	14266	PAVE WITH 30 mm TYPE IVS AND 45 mm TYPE IIIS



DETAIL AT VERTICAL COLD PLANE JOINTS



ASPHALTIC PLUG JOINT DETAIL

BRIDGE 33 MT. HOLLY STA. 1+704.295 - ONE AT EACH ABUTMENT
BRIDGE 42 MT. HOLLY STA. 9+725.266 - ONE AT EACH ABUTMENT

NOT TO SCALE

NOTES

1. THE WEARING COURSE SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
2. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 75 mm OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL-PURPOSE EXCAVATOR OR GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED).
3. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/m² OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±5 mm (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
5. ALL DRIVEWAYS AND MAILBOX TURNOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ALL MAILBOX TURNOUTS SHALL HAVE THE EXISTING EDGE OF PAVEMENT BACKED-UP WITH COLD PLANE GRINDINGS PRIOR TO THE PLACEMENT OF THE PAVED APRON. COMPENSATION FOR THIS WORK SHALL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEM(S).
6. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING MANUFACTURED TERMINAL SECTION FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75 mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 m³ OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARDRAIL TERMINAL.
7. ALL OTHER SUPERPAVE BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS, BUT NOT LIMITED TO, DRIVE AND SIDE ROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34).
8. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE 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 SUBSIDIARY TO ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34).
9. 1.0 m OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 1.8 m POSTS. IF THIS CANNOT BE OBTAINED, THEN 2.4 m POSTS SHALL BE USED.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE				
% WT.	kg/ha.	NAME	PUR. %	GERM. %
37.14	26.0	CREEPING RED FESCUE	98	85
37.14	26.0	TALL FESCUE	95	90
5.71	4.0	RED TOP	95	90
14.30	10.0	BIRDSFOOT TREFOIL	98	85
5.71	4.0	ANNUAL RYEGRASS	95	85
100.0	70.0			

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

SEED:
TO BE APPLIED PER SEEDING FORMULA DIRECTED BY THE RESIDENT ENGINEER

FERTILIZER:
FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

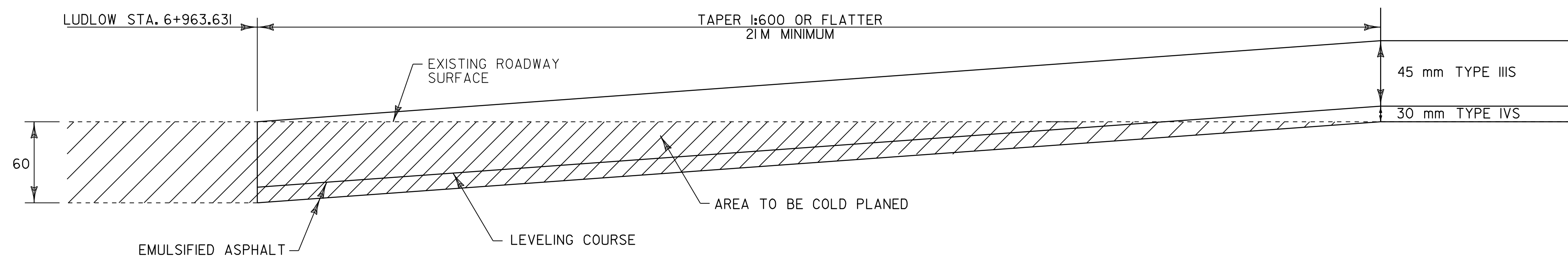
AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE RESIDENT ENGINEER.

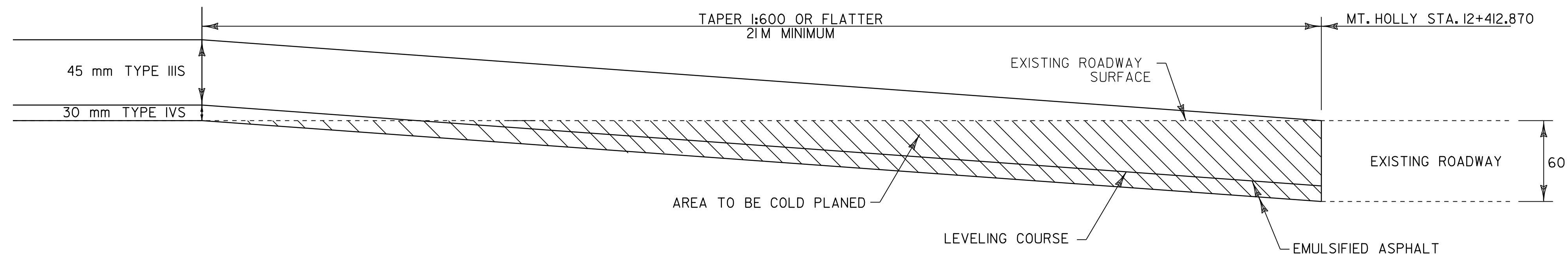
TOPSOIL:
TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT
TYPICALS
SHEET #1

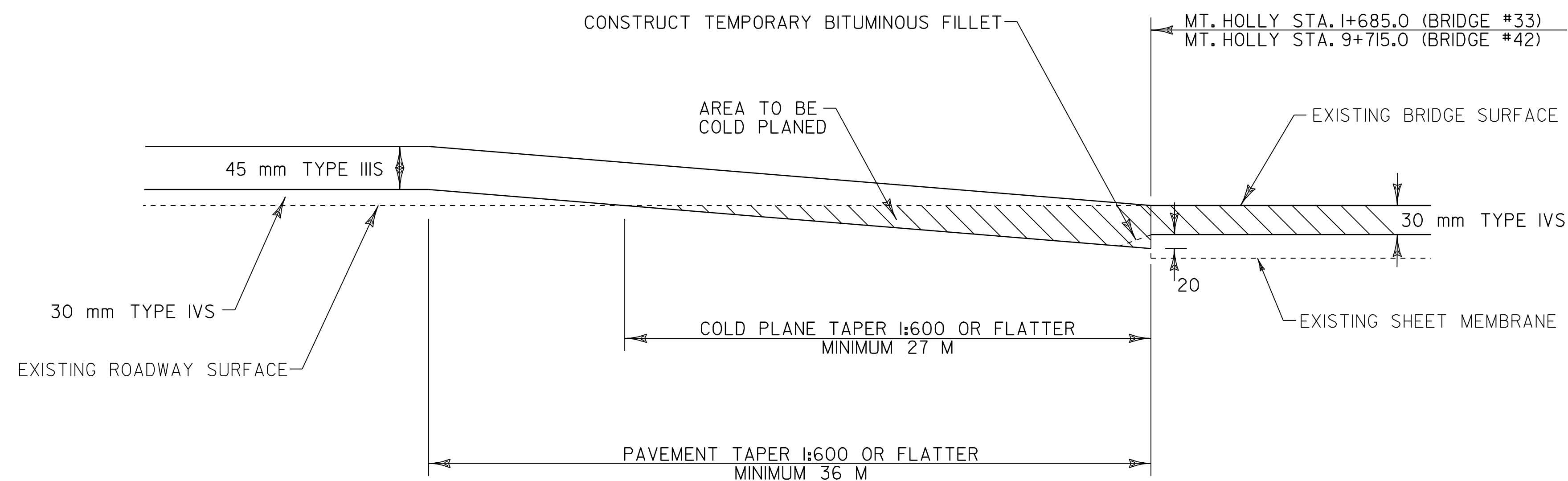
PROJECT NAME:	LUDLOW-MT. HOLLY
PROJECT NUMBER:	NH 2327(1)S
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PROJECT LEADER:	WOOLAYER
DESIGNED BY:	LOCKE
pb024ty1j	
PLOT DATE:	21-FEB-2006 13:53
DRAWN BY:	LOCKE
CHECKED BY:	WOOLAYER
SHEET 2	OF 84



APPROACH AREA DETAIL
FULL ROADWAY WIDTH
 LUDLOW STA. 6+963.631



APPROACH AREA DETAIL
FULL ROADWAY WIDTH
 MT. HOLLY STA. 12+412.870



TRANSITION AREA DETAIL
(LEVELING AND OVERLAY TO COLD PLANING @ BRIDGE NOS. 33 & 42)
FULL ROADWAY WIDTH
MT. HOLLY STA. 1+685.0 TO STA. 1+726.0 (BRIDGE #33)
MT. HOLLY STA. 9+715.0 TO STA. 9+735.0 (BRIDGE #42)

NOT TO SCALE

PROJECT TYPICALS SHEET #2	PROJECT NAME: LUDLOW-MT. HOLLY	
	PROJECT NUMBER: NH 2327(1)S	
	FILE NAME: \pave\0b024\pb024.dgn	PLOT DATE: 21-FEB-2006 13:5
	PROJECT LEADER: WOOLAYER	DRAWN BY: LOCKE
	DESIGNED BY: LOCKE	CHECKED BY: WOOLAYER
	pb024ty2.1	SHEET 3 OF 84



SUMMARY OF ESTIMATED QUANTITIES												DETAILED SUMMARY OF QUANTITIES			DETAILED SUMMARY OF QUANTITIES		
				TRAINING	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
						1960	1960	CM	EARTH BORROW	203.30				SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)			
						I	I	CM	TRENCH EXCAVATION OF EARTH (NOT A BID ITEM)	204.20							
						36000	36000	SM	COLD PLANING-BITUMINOUS PAVEMENT	210.10							
						1143	1143	T	AGGREGATE SHOULDERS	402.12							
						5185	5185	T	AGGREGATE SHOULDERS (MOD.)	402.12							
						322242	322242	KG	EMULSIFIED ASPHALT	404.65							
						I	I	LU	PRICE ADJUSTMENT ASPHALT CEMENT (NOT A BID ITEM)	406.50							
						40750	40750	T	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	490.30							
					I		I	CM	CONCRETE, CLASS A	501.22	EST.						
					100		100	KG	REINFORCING STEEL	507.15	EST.						
					40		40	M	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG TYPE)	516.10							
					10		10	L	JOINT SEALER, POLYURETHANE	524.20	EST.						
					45		45	M	REMOVAL OF EXISTING RAILING	525.10							
					21		21	M	BRIDGE RAILING-HD STEEL BEAM/FASCIA MOUNTED (MOD. 1)	525.41							
					21		21	M	BRIDGE RAILING-HD STEEL BEAM/FASCIA MOUNTED (MOD. 2)	525.41							
					I		I	EA	PARTIAL REMOVAL OF STRUCTURE	529.20							
						3	3	EA	CHANGING ELEV. OF DROP INLETS, CATCH BASINS OR MANHOLES	604.40							
						10	10	EA	REHABING DI, CB, OR MH CLASS I	604.412							
						260	260	HR	POWER GRADER RENTAL	608.15							
						260	260	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25							
						172	172	HR	POWER BROOM RENTAL	608.30							
						260	260	HR	POWER BROOM RENTAL, TYPE II	608.31							
						260	260	HR	TRUCK RENTAL	608.37							
						260	260	HR	LOADER RENTAL, TYPE I	608.40							
						1250	1250	CM	STONE FILL, TYPE I	613.10							
						660	660	M	TREATED TIMBER CURB	616.35							
						7025	7025	M	STEEL BEAM GUARD RAIL	621.20							
						250	250	M	STEEL BEAM GUARD RAIL W/2.4 METER POSTS (MOD.)	621.20							
						55	55	M	HEAVY DUTY STEEL BEAM GUARD RAIL	621.21							
						98	98	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505							
						4	4	EA	GUARD RAIL APPROACH SECTION, TYPE I	621.70							
						2	2	EA	GUARD RAIL APPROACH SECTION, TYPE II	621.71							
						7880	7880	M	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80							
						2070	2070	HR	UNIFORMED TRAFFIC OFFICERS	630.10							
						4650	4650	HR	FLAGGERS	630.15							

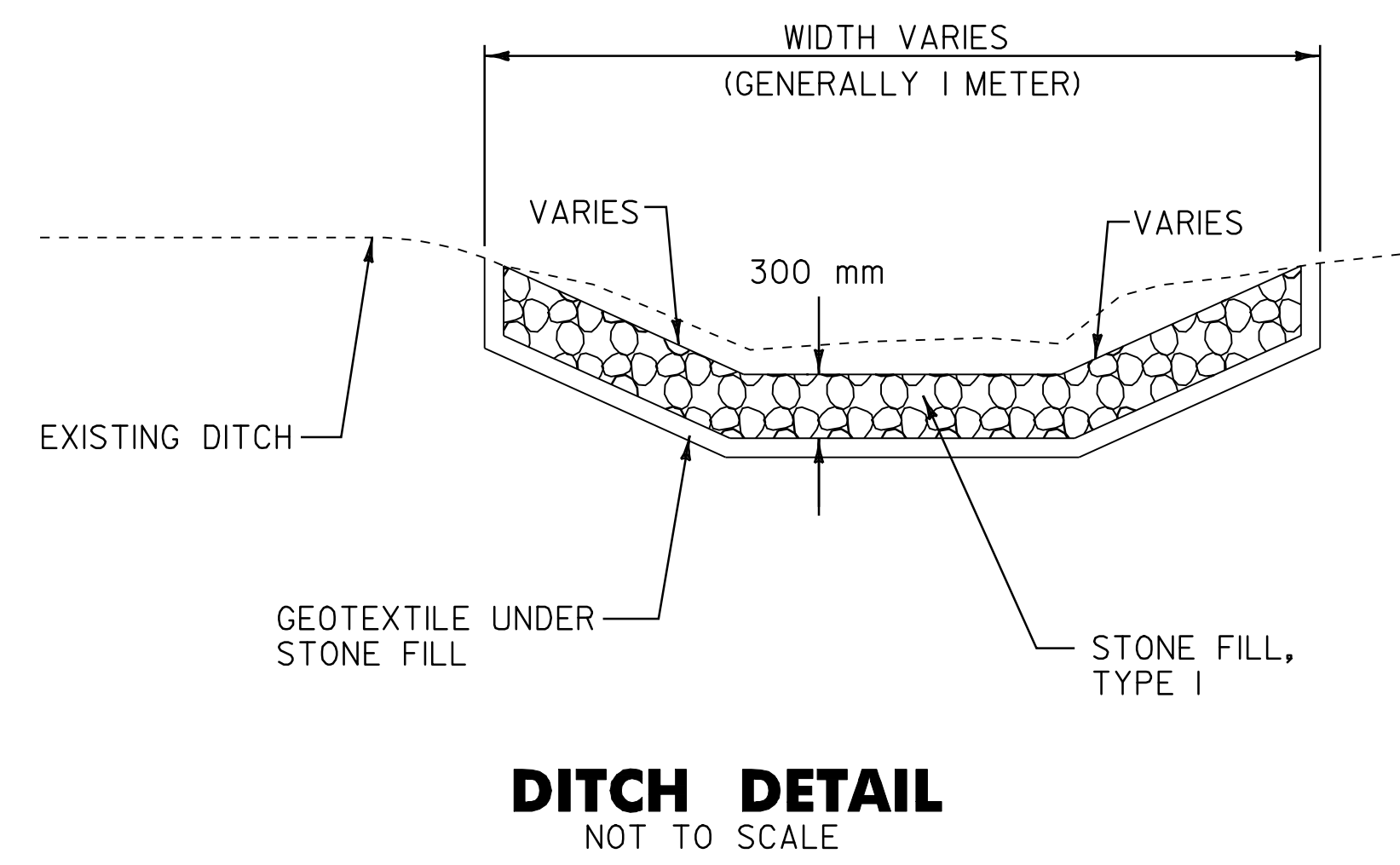


SUMMARY OF ESTIMATED QUANTITIES												DETAILED SUMMARY OF QUANTITIES			DETAILED SUMMARY OF QUANTITIES		
				TRAINING	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NUMBER	RND	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
						I	I	LS	FIELD OFFICE-ENGINEERS	631.10							
						I	I	LS	TESTING EQUIPMENT-CONCRETE	631.16							
						I	I	LS	TESTING EQUIPMENT-BITUMINOUS	631.17							
						I	I	LU	FIELD OFFICE-TELEPHONE	631.25							
				1040			1040	HR	EMPLOYEE TRAINEESHIP	634.10							
						I	I	LS	MOBILIZATION	635.10							
						I	I	LS	TRAFFIC CONTROL	641.10							
						I	I	LS	PUBLIC RELATIONS OFFICER	641.12							
						36320	36320	M	DURABLE 100 mm WHITE LINE	646.40							
						29465	29465	M	DURABLE 100 mm YELLOW LINE	646.41							
						615	615	M	DURABLE 200 mm YELLOW LINE	646.43							
						48	48	M	DURABLE 600 mm STOP BAR	646.46							
						68	68	EA	DURABLE LETTER OR SYMBOL	646.50							
						42085	42085	M	TEMPORARY 100 mm WHITE LINE	646.60							
						33945	33945	M	TEMPORARY 100 mm YELLOW LINE	646.61							
						70	70	M	TEMPORARY 600 mm STOP BAR	646.66							
						62	62	EA	TEMPORARY LETTERS OR SYMBOLS	646.70							
						4200	4200	EA	LINE STRIPING TARGETS	646.76							
						910	910	M	PAINTED CURB	646.81							
						4165	4165	SM	GEOTEXTILE UNDER STONE FILL	649.31							
						20	20	KG	SEED	651.15							
						120	120	KG	FERTILIZER	651.18							
						I	I	T	AGRICULTURAL LIMESTONE	651.20							
						I	I	T	HAY MULCH	651.25							
						20	20	CM	TOPSOIL	651.35							
						2665	2665	SM	EROSION MATTING	654.10							
						110	110	SM	TRAFFIC SIGNS, TYPE A	675.20	2.42						
									BEGIN OPTION ITEMS								
						1242	1242	M	FLANGED CHANNEL SIGN POST	675.301							
						1242	1242	M	SQUARE TUBE SIGN POSTS AND ANCHOR	675.341							
						101	101	KG	END OPTION ITEMS								
						4	4	EA	TUBULAR STEEL SIGN POSTS	675.33	0.2						
						280	280	EA	FOUNDATION FOR TUBULAR STEEL SIGN POSTS	675.43							
						22	22	EA	REMOVING SIGNS	675.50							
						50	50	EA	ERECTING SALVAGED SIGNS	675.60							
						1	1	EA	DELINEATORS W/STEEL POSTS	676.10	3						
								EA	FLASHING BEACON - GROUND MOUNTED (MOD.)	678.16							
															PROJECT NAME: LUDLOW-MT. HOLLY		
															PROJECT NUMBER: STP 2327(1)S		
															FILE NAME: ZpqveZ01b024Zpb024.dgn		
															PLOT DATE: 21-FEB-2006 13:5		
															PROJECT LEADER: WOOLAVER		
															DRAWN BY: LOCKE		
															DESIGNED BY: LOCKE		
															CHECKED BY: WOOLAVER		
															pb024qs2.1		
															SHEET 5 OF 84		

LOCATION			GUARDRAIL											DRAINAGE			REMARKS
STATION	STATION	POS.	616.35	621.20	621.20	621.21	621.505	621.505	621.60	621.70	621.71	621.80	621.81	NEW PIPE			
			TREATED TIMBER CURB	STEEL BEAM GUARDRAIL	STEEL BEAM G.R. W/2.4 m POSTS (MOD.)	HEAVY DUTY STEEL BEAM GUARDRAIL	MANUFACTURED TERMINAL SECTION	MANUFACTURED TERMINAL SECT (FLARED)	ANCHOR FOR RAIL	GUARDRAIL APPROACH SECT, TYPE I	GUARDRAIL APPROACH SECT, TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	REMOVAL & DISPOSAL OF GUIDE POSTS	DIA.	LENGTH	TH/CL OF PIPE	
			m	m	m	m	EA	EA	EA	EA	EA	m	EA	mm	m	mm	
MT. HOLLY*																	
1+672.0	1+691.0	LT		15.2	7/31/04			1	8/9		1	27.0	7/31				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 1+672.0. CONNECT APPROACH SECTION TYPE II AT STA. 1+687.2 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 1+691.0. SEE SHEET 76 AND 81 OF 84 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 79 OF 84 FOR BRIDGE DETAILS.
1+673.8	1+689.0	RT						1	8/9	1		28.0 26.7	7/31				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 1+673.8. CONNECT APPROACH SECTION TYPE I AT STA. 1+673.8 AND CONNECT TO EXISTING BRIDGE RAIL AT STA. 1+689.0. SEE SHEET 76 AND 81 OF 84 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 79 OF 84 FOR BRIDGE DETAILS.
1+719.0	1+734.2	RT		11.4				1		1		26.0					CONNECT APPROACH SECTION TYPE II TO EXISTING BRIDGE RAIL AT STA. 1+719.0 AND END AT STA. 1+722.8. SEE SHEETS 76 AND 81 OF 84 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 79 OF 84 FOR BRIDGE DETAILS. INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 1+734.2.
1+723.0	1+787.6	LT		49.4				1		1		46.0					CONNECT APPROACH SECTION TYPE I TO EXISTING BRIDGE RAIL AT STA. 1+723.0 AND END AT STA. 1+738.2. SEE SHEETS 76 AND 81 OF 84 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 79 OF 84 FOR BRIDGE DETAILS. INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 1+787.6.
1+797.6	1+820.4	RT		22.8				2	7/29			46.0 45.4	7/29				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 1+797.6 & STA. 1+820.4.
2+066.2	2+168.8	LT		102.6 103.5	7/31/04			2	7/31			123.0 117.6	7/31				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 2+066.2 & STA. 2+168.8.
2+548.8	2+590.6	RT		41.8 72.5	8/9			2 1	8/9			42.0 47.3	8/9				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 2+548.8 & STA. 2+590.6.
2+561.6	2+573.0	LT		45.6 53.6				2	8/2			67.6 45.3					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 2+561.6 & STA. 2+573.0.
2+879.4	2+890.8	LT		11.4				2	8/2			35.0 34.0					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 2+879.4 & STA. 2+890.8.
2+929.4	3+089.0	LT		159.6 163.0				2	8/3			181.0 180.0					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 2+929.4 & STA. 3+089.0.
2+983.1	3+176.9	RT		193.8 191.3				2	8/4			214.0 214.2					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 2+983.1 & STA. 3+176.9.
4+325.6	4+515.6	LT		190.0 190.3				2	8/11			211.0 269.2					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 4+325.6 & STA. 4+515.6.
4+651.6	4+670.6	LT		19.0 49.5				2	8/11			41.0 69.7					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 4+651.6 & STA. 4+670.6.
4+709.4	4+861.4	LT		201.4 166.8				2 1	8/11			221.8 179.9					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 4+709.4 & STA. 4+861.4.
4+988.2	5+379.6	LT		391.4 398	8/19			2 1	8/19			412.0 424.4					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 4+988.2 & STA. 5+379.6.
6+381.3	6+506.7	LT		125.4	8/19			2	8/19			146.0 145					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 6+381.3 & STA. 6+506.7.
8+197.6	8+277.4	RT		79.8				2				34.0					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 8+197.6 & STA. 8+277.4.
8+214.2	8+358.6	LT		76.0	68.4			2				138.0 139.3					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 8+214.2 & STA. 8+358.6.
8+425.6	8+475.0	LT		60.8				2				80.8					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 8+425.6 & STA. 8+475.0.
8+577.2	8+835.6	LT		258.4				2				280.0					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 8+577.2 & STA. 8+835.6.
8+777.9	8+857.7	RT		79.8				2				46.0					INSTALL NEW MANUFACTURED TERMINAL SECTION AT STA. 8+877.9 AND STA. 8+857.7. SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.
8+927.4	9+151.6	LT		224.2				2				245.0					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 8+927.4 & STA. 9+151.6.

Metric

LOCATION			GUARDRAIL										DRAINAGE			REMARKS	
STATION	STATION	POS.	616.35	621.20	621.20	621.21	621.505	621.505	621.60	621.70	621.71	621.80	621.81	NEW PIPE			
			TREATED TIMBER CURB	STEEL BEAM GUARDRAIL	STEEL BEAM G.R. W/2.4 m POSTS (MOD.)	HEAVY DUTY STEEL BEAM GUARDRAIL	MANUFACTURED TERMINAL SECTION	MANUFACTURED TERMINAL SECT (FLARED)	ANCHOR FOR RAIL	GUARDRAIL APPROACH SECT, TYPE I	GUARDRAIL APPROACH SECT, TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	REMOVAL & DISPOSAL OF GUIDE POSTS	DIA.	LENGTH		THICK- NESS OF PIPE
			m	m	m	m	EA	EA	EA	EA	EA	m	EA	mm	m		mm
MT. HOLLY:																	
9+362.8	9+583.2	LT		220.4				2				195.0					INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 9+362.8 & STA. 9+583.2.
9+484.6	9+564.4	RT		79.8				2				45.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 9+484.6. SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL. INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 9+564.4.	
9+659.7	9+714.8	RT		45.6		9.5		1				49.8				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 9+659.7. CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 9+714.8. SEE SHEET 80 OF 84 FOR BRIDGE DETAILS.	
9+695.8	9+714.8	LT		11.4		7.6		1				22.8				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 9+695.8. CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 9+714.8. SEE SHEET 80 OF 84 FOR BRIDGE DETAILS.	
9+735.7	9+754.7	RT		11.4		7.6		1				25.3				CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 9+735.7. 80 OF 84 FOR BRIDGE DETAILS. INSTALL NEW MANUFACTURED TREMINAL SECTION (FLARED) AT STA. 9+754.7.	
9+735.7	9+790.8	LT		45.6		9.5		1				64.3				CONNECT NEW HEAVY DUTY STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 9+735.7. 80 OF 84 FOR BRIDGE DETAILS. INSTALL NEW MANUFACTURED TREMINAL SECTION (FLARED) AT STA. 9+790.8.	
10+280.2	10+405.6	LT		125.4				2				146.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 10+280.2 & STA. 10+405.6.	
10+510.7	10+575.3	LT		64.6				2				86.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 10+510.7 & STA. 10+575.3.	
10+664.8	10+763.6	LT		98.8				2				116.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 10+664.8 & STA. 10+763.6.	
10+794.4	10+840.0	LT		45.6				2				67.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 10+794.4 & STA. 10+840.0.	
11+164.0	11+342.6	LT			178.6			2				199.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 11+164.0 & STA. 11+342.6.	
11+424.6	11+508.2	LT		83.6				2				83.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 11+424.6 & STA. 11+508.2.	
11+448.6	11+475.2	RT		26.6				2				34.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 11+448.6 & STA. 11+475.2. SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.	
12+186.0	12+400.6	LT		220.4				2				226.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 12+186.0 AND STA. 12+400.6. SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.	
12+270.4	12+327.4	RT		57.0				2				50.0				INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AT STA. 12+207.4 AND STA. 12+327.4. SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.	
SHEET SUBTOTAL			-	1136.2	178.6	34.2		26		-	-	1409.2					
SHEET 1 SUBTOTAL			660														

[illegible]

- NOTES:
1. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGH PROJECT SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
 2. AN ESTIMATED QUANTITY OF EROSION MATTING AND STONE FILL, TYPE I HAS BEEN INCLUDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 0 AND 2.5 PERCENT AND STONE FILL, TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 2.5 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 4+557.662 - STA. 5+000.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 4+557.662 - STA. 5+000.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 4+557.662 - STA. 5+000.0 LT S Q RT S
STA. 4+937.467 DOUBLE SOLID RT, T-3

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 4+557.662 - STA. 5+000.0 LT S Q RT S
STA. 4+937.467 DOUBLE SOLID RT, T-3

646.46 DURABLE 600 mm STOP BAR

LUDLOW:
STA. 4+937.467 RT, T-3

646.66 TEMPORARY 600 mm STOP BAR

LUDLOW:
STA. 4+937.467 RT, T-3

646.50 DURABLE LETTER OR SYMBOL

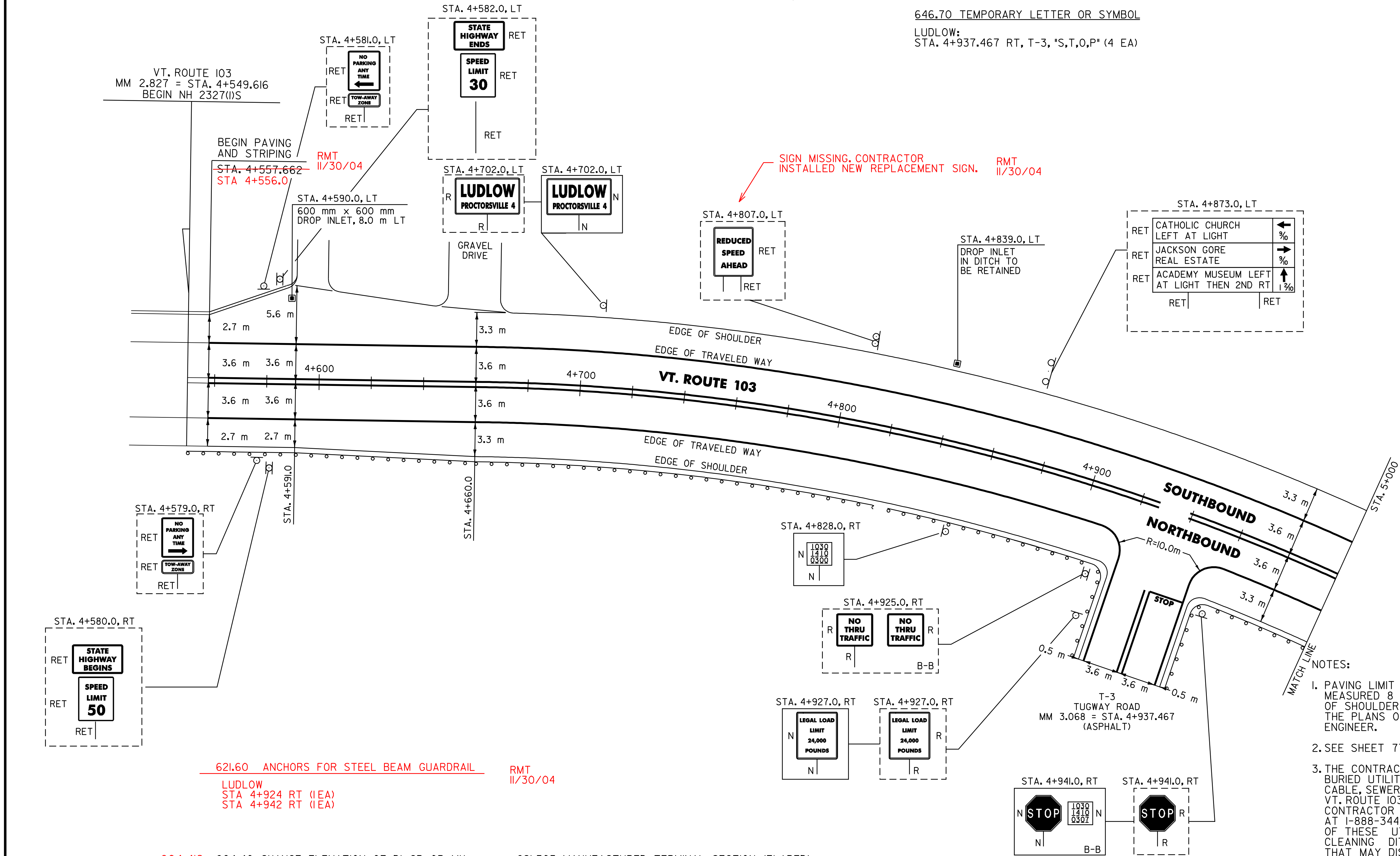
LUDLOW:
STA. 4+937.467 RT, T-3, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL

LUDLOW:
STA. 4+937.467 RT, T-3, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - 5



**ARCHIVED
ON CADD**

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - SEE SHEET 77 OF 84 FOR T-3 BRIDGE DETAILS.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

621.60 ANCHORS FOR STEEL BEAM GUARDRAIL

LUDLOW:
STA. 4+924 RT (1EA)
STA. 4+942 RT (1EA)

RMT
11/30/04

604.412 - 604.40 CHANGE ELEVATION OF DI, CB OR MH

LUDLOW:
STA. 4+590.0 LT REHAB DI's RMT
11/30/04

621.20 STEEL BEAM GUARDRAIL

LUDLOW:
STA. 4+562.4 - STA. 4+927.2 RT (364.8 m)
STA. 4+944.8 - STA. 5+000.0 RT (55.2 m)

621.21 HEAVY DUTY STEEL BEAM GUARDRAIL

LUDLOW:
STA. 4+927.2 - STA. 4+931.0 RT (9.5 m)
STA. 4+941.0 - STA. 4+944.8 RT (9.5 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

LUDLOW:
STA. 4+562.4 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

LUDLOW:
STA. 4+551.6 - STA. 4+931.0 RT (387.0 m)
STA. 4+941.0 - STA. 5+000.0 RT (66.6 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

SIGN LEGEND

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

**PAVING
PROJECT
LAYOUT
1**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. Z:\pave\01b024\pb024.dgn
IPARM pb02401L DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232111S
SHEET 10 OF 84 SHEETS

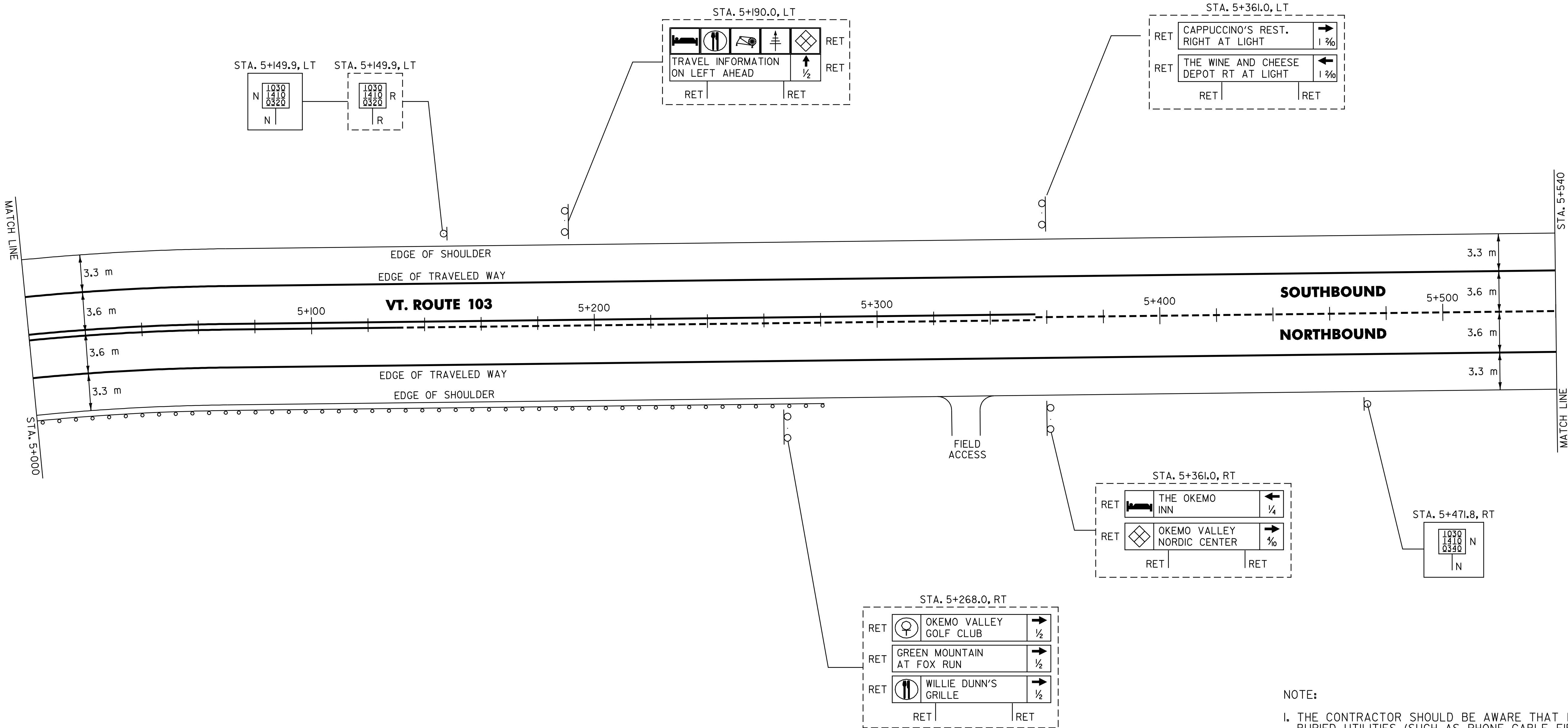
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 5+000.0 - STA. 5+540.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 5+000.0 - STA. 5+540.0, LT & RT

646.4I DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 5+000.0 - STA. 5+130.0 LT Q RT S
STA. 5+130.0 - STA. 5+356.0 S - S
STA. 5+356.0 - STA. 5+540.0 - D -

646.6I TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 5+000.0 - STA. 5+130.0 LT Q RT S
STA. 5+130.0 - STA. 5+356.0 S - S
STA. 5+356.0 - STA. 5+540.0 - D -

675.50 REMOVING SIGNS
AS SHOWN - I



NOTE:
I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 5+000.0 - STA. 5+271.6 RT (271.6 m)
621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 5+271.6 RT
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 5+000.0 - STA. 5+282.0 RT (282.0 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

PAVING
PROJECT
LAYOUT
2

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. Cpave/Qib024/pb024.dgn
IPARM FILE pb024102.1 DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_232I(1)S
SHEET 11 OF 84 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 5+540.0 - STA. 6+080.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 5+540.0 - STA. 6+080.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 5+540.0 - STA. 5+734.0 LT - C D RT
STA. 5+734.0 - STA. 5+855.0 D - S
STA. 5+855.0 - STA. 6+080.0 S - S
STA. 5+875.715 DOUBLE SOLID, LT T-54
STA. 5+888.590 DOUBLE SOLID, RT T-17

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 5+540.0 - STA. 5+734.0 LT - C D RT
STA. 5+734.0 - STA. 5+855.0 D - S
STA. 5+855.0 - STA. 6+080.0 S - S
STA. 5+875.715 DOUBLE SOLID, LT T-54
STA. 5+888.590 DOUBLE SOLID, RT T-17

646.46 DURABLE 600 mm STOP BAR
LUDLOW:
STA. 5+875.715, LT, T-52
STA. 5+888.590, RT, T-17

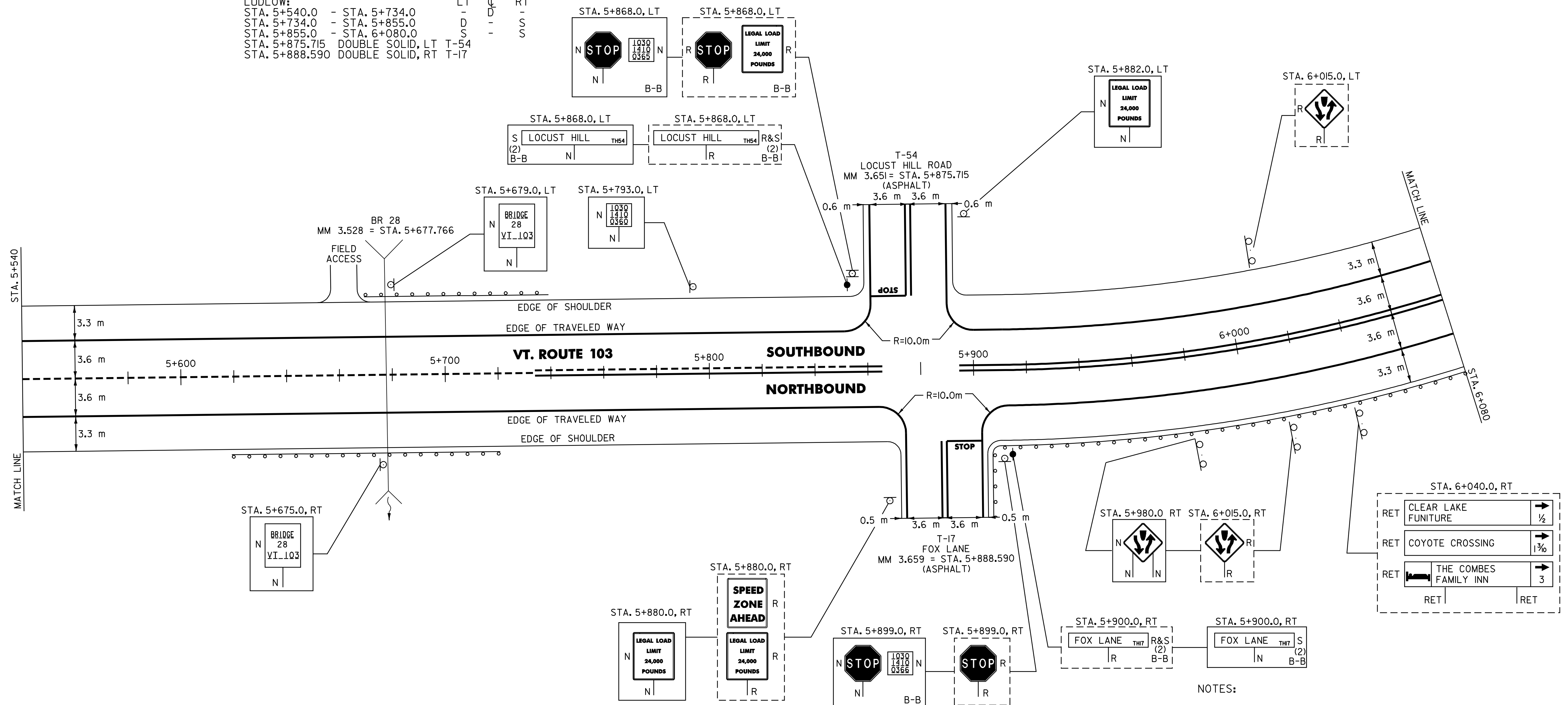
646.66 TEMPORARY 600 mm STOP BAR
LUDLOW:
STA. 5+875.715, LT, T-52
STA. 5+888.590, RT, T-17

646.50 DURABLE LETTER OR SYMBOL
LUDLOW:
STA. 5+875.715 LT, T-52, "S.T.O.P." (4 EA)
STA. 5+888.590, RT, T-17, "S.T.O.P." (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL
LUDLOW:
STA. 5+875.715 LT, T-52, "S.T.O.P." (4 EA)
STA. 5+888.590, RT, T-17, "S.T.O.P." (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 4



621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 5+632.4 - STA. 5+704.6 RT (72.2 m)
STA. 5+670.4 - STA. 5+723.6 LT (53.2 m) 57.2m RMT
STA. 5+893.3 - STA. 6+080.0 RT (201.9 m) II/30/04

621.60 ANCHORS FOR STEEL BEAM GUARDRAIL RMT
LUDLOW
STA 5+895 RT (1EA) II/30/04

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 5+632.4 RT
STA. 5+670.4 LT
STA. 5+704.6 RT
STA. 5+723.6 LT
STA. 5+893.3 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 5+647.0 - STA. 5+701.0 RT (54.0 m)
STA. 5+659.0 - STA. 5+713.0 LT (54.0 m)
STA. 5+893.0 - STA. 6+080.0 RT (213.6 m)

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

RET	CLEAR LAKE FURNITURE	1/2
RET	COYOTE CROSSING	1 1/2
RET	THE COMBES FAMILY INN	3
RET		

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED
ON CADD

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

PAVING
PROJECT
LAYOUT
3

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	pgve/01b024/pb024.dgn		
IPARM	pb024103.1	DATE PLOTTED	\$DATE\$
PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_2327(1)S		
SHEET	12 OF 84	SHEETS	

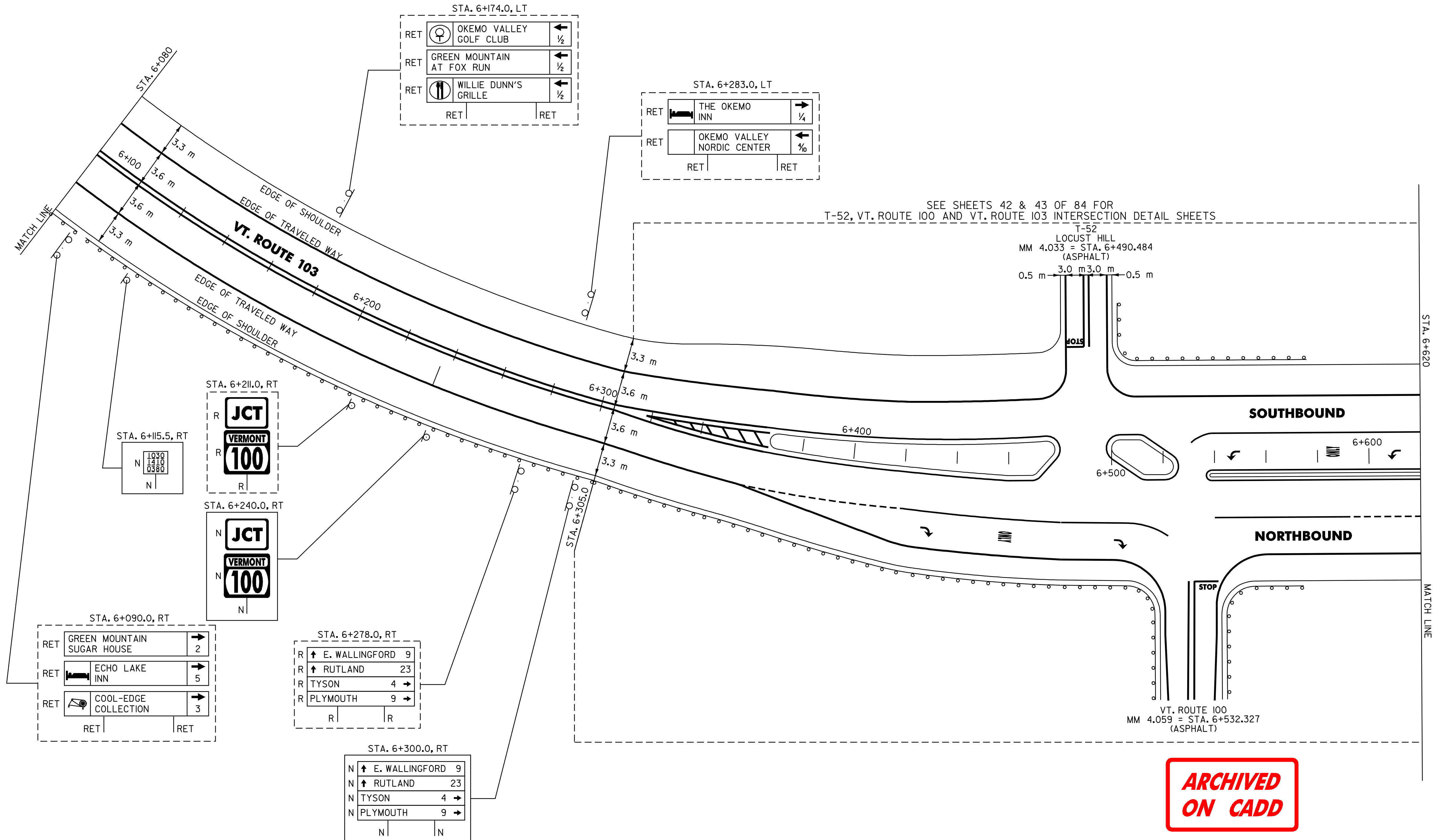
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 6+080.0 - STA. 6+305.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 6+080.0 - STA. 6+305.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 6+080.0 - STA. 6+305.0 LT S RT S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 6+080.0 - STA. 6+305.0 LT S RT S

675.50 REMOVING SIGNS
AS SHOWN - 6



621.60 ANCHORS FOR STEEL BEAM GUARDRAIL RMT
LUDLOW 11/30/04
STA 6+501 & STA 6+507 LT (2 EA)

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 6+080.0 - STA. 6+305.0 (225.0 m)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 6+080.0 - STA. 6+305.0 (225.0 m)

NOTE:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

**ARCHIVED
ON CADD**

**PAVING
PROJECT
LAYOUT
4**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. pgve/Qlb024/pb024.dgn
IPARM pb024104.L DATE DATE\$
FILE DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232711S
SHEET 13 OF 84 SHEETS _____

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

LUDLOW:
STA. 6+880.0 - STA. 7+160.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

LUDLOW:
STA. 6+880.0 - STA. 7+160.0 LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

LUDLOW:
STA. 6+880.0 - STA. 7+081.1
STA. 7+081.1 - STA. 7+160.0
STA. 6+952.366, LT, OKEMO RIDGE ROAD
STA. 7+000.646, RT, T-53

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

LUDLOW:
STA. 6+880.0 - STA. 7+081.1
STA. 7+081.1 - STA. 7+160.0
STA. 6+952.366, LT, OKEMO RIDGE ROAD
STA. 7+000.646, RT, T-53

LT C RT
S - D

LT C RT
S - D

646.46 DURABLE 600 mm STOP BAR

LUDLOW:
STA. 6+952.366, LT, OKEMO RIDGE ROAD
STA. 7+000.646, RT, T-53

646.66 TEMPORARY 600 mm STOP BAR

LUDLOW:
STA. 6+952.366, LT, OKEMO RIDGE ROAD
STA. 7+000.646, RT, T-53

646.50 DURABLE LETTER OR SYMBOL

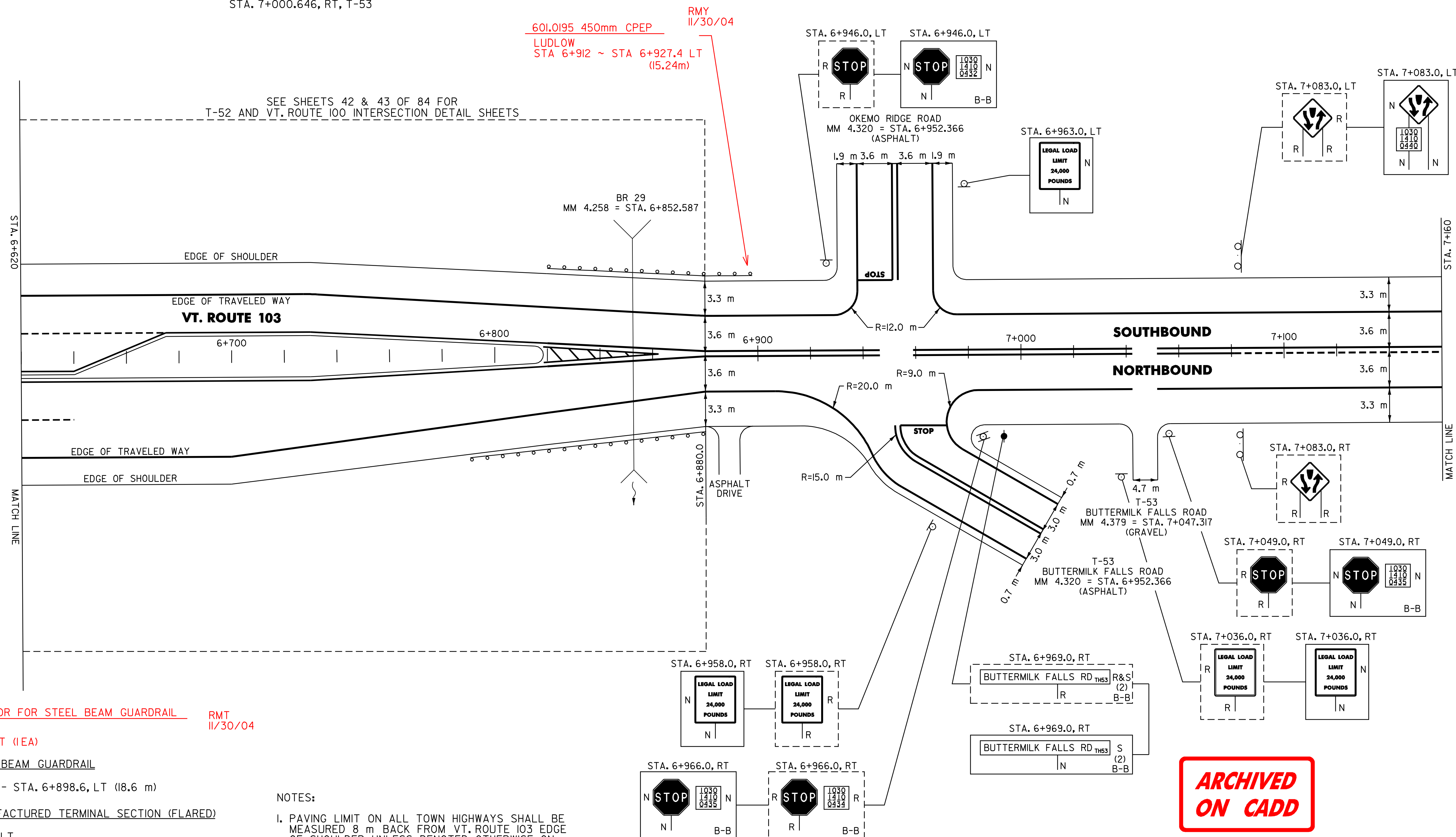
LUDLOW:
STA. 6+952.366, LT, OKEMO RIDGE ROAD, "S.T.O.P." (4 EA)
STA. 7+000.646, RT, T-53, "S.T.O.P." (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL

LUDLOW:
STA. 6+952.366, LT, OKEMO RIDGE ROAD, "S.T.O.P." (4 EA)
STA. 7+000.646, RT, T-53, "S.T.O.P." (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 11

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



621.60 ANCHOR FOR STEEL BEAM GUARDRAIL

LUDLOW:
STA 6+890 RT (1EA)

621.20 STEEL BEAM GUARDRAIL

LUDLOW:
STA. 6+880.0 - STA. 6+898.6, LT (18.6 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

LUDLOW:
STA. 6+898.6 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

LUDLOW:
STA. 6+880.0 - STA. 6+893.0 LT (13.0 m)

RMT
11/30/04

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

SIGN LEGEND

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

**ARCHIVED
ON CADD**

**PAVING
PROJECT
LAYOUT
5**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. pb02405.dgn
IPARM pb02405.L DATE PLOTTED *DATE*
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_2327115
SHEET 14 OF 84 SHEETS _____

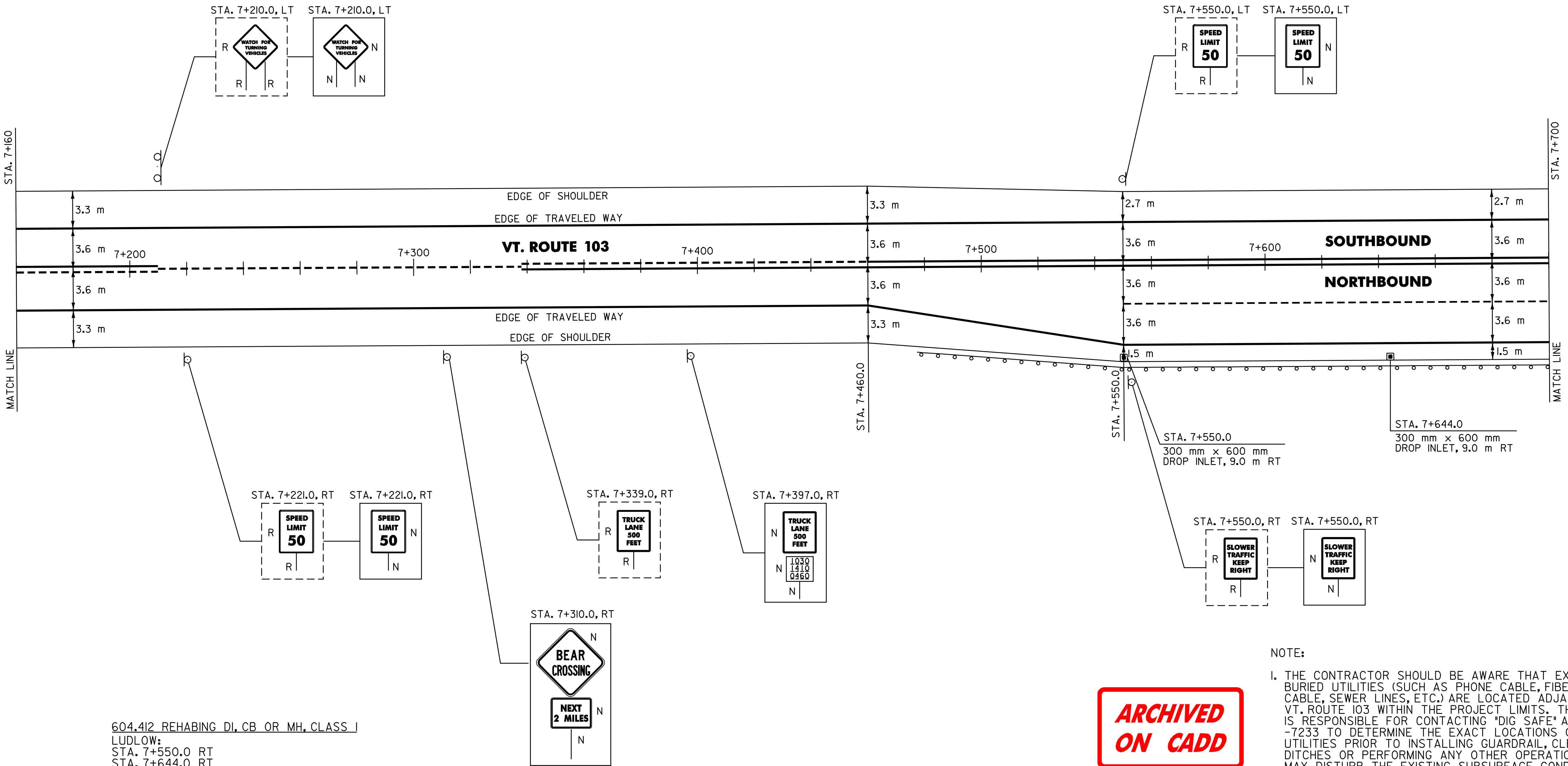
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 7+160.0 - STA. 7+700.0, LT & RT
STA. 7+550.0 - STA. 7+700.0, DASHED LINE 3.6 m RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 7+160.0 - STA. 7+700.0, LT & RT
STA. 7+550.0 - STA. 7+700.0, DASHED LINE 3.6 m RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 7+160.0 - STA. 7+209.9 LT S RT
STA. 7+209.9 - STA. 7+338.0 S D
STA. 7+338.0 - STA. 7+460.0 D D
STA. 7+460.0 - STA. 7+700.0 S S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 7+160.0 - STA. 7+209.9 LT S RT
STA. 7+209.9 - STA. 7+338.0 S D
STA. 7+338.0 - STA. 7+460.0 D S
STA. 7+460.0 - STA. 7+700.0 S S

675.50 REMOVING SIGNS
AS SHOWN - 5



604.412 REHABING DI, CB OR MH, CLASS I
LUDLOW:
STA. 7+550.0 RT
STA. 7+644.0 RT

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 7+493.6 - STA. 7+700.0 RT (206.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 7+493.6 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 7+483.0 - STA. 7+700.0 RT (217.0 m)

616.35 TREATED TIMBER CURB
LUDLOW:
STA 7+548 ~ STA 7+700 RT (152m)

RMT
11/30/04

ARCHIVED
ON CADD

NOTE:

I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

PAVING
PROJECT
LAYOUT
6

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. pb024/pb024.dgn
IPARM pb024/pb024.dgn DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_2327(1)S
SHEET 15 OF 84 SHEETS

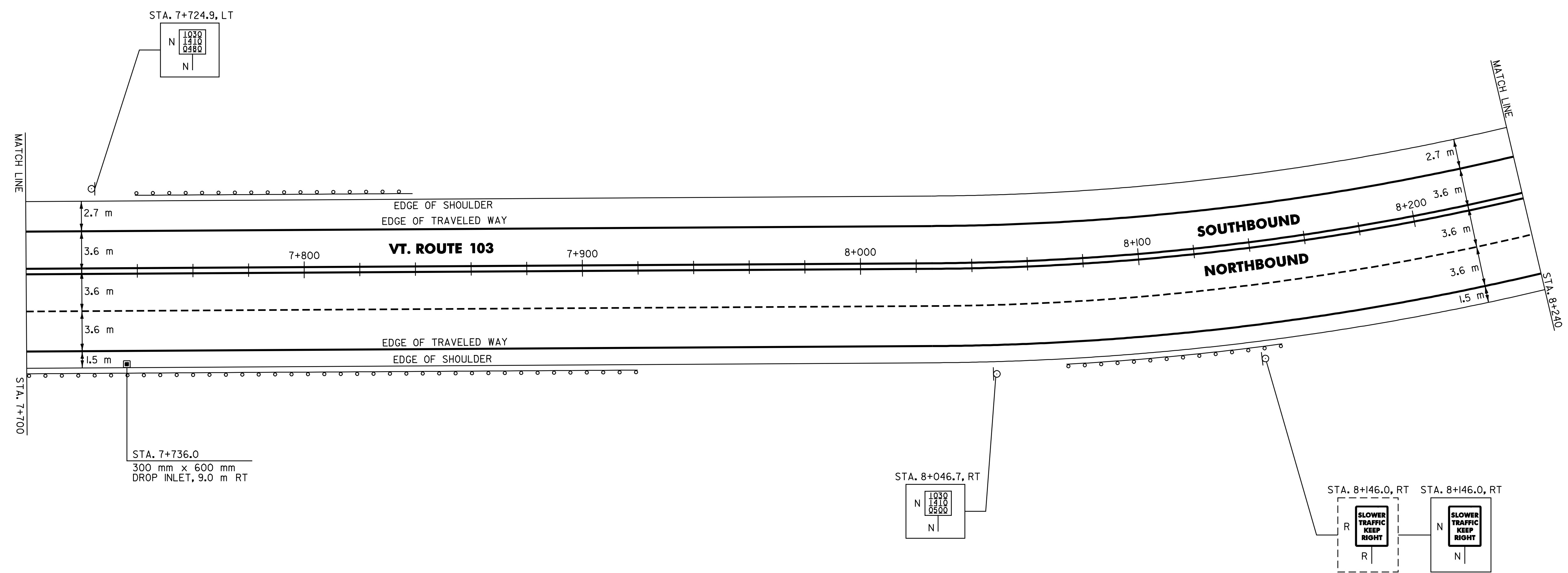
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 7+700.0 - STA. 8+240.0, LT & RT
STA. 7+700.0 - STA. 8+240.0, DASHED LINE 3.6 m RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 7+700.0 - STA. 8+240.0, LT & RT
STA. 7+700.0 - STA. 8+240.0, DASHED LINE 3.6 m RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 7+700.0 - STA. 8+240.0 LT S Q RT S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 7+700.0 - STA. 8+240.0 LT S Q RT S

675.50 REMOVING SIGNS
AS SHOWN - I



616.35 TREATED TIMBER CURB RMT
LUDLOW:
STA 7+700 ~ STA 7+830 (129.7m) 11/30/04

604.412 REHABING DI, CB OR MH, CLASS I
LUDLOW:
STA. 7+736.0 RT

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 7+700.0 - STA. 7+892.6 RT (192.6 m)
STA. 7+753.0 - STA. 7+829.0 LT (76.0 m)
~~STA. 8+089.4 - STA. 8+142.6 RT (53.2 m)~~
STA 8+062.6 (80.0m)

RMT
11/30/04

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 7+892.6 RT
STA. 7+753.0 LT
STA. 7+829.0 LT
STA. 8+089.4 RT
STA. 8+142.6 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 7+700.0 - STA. 7+904.0 RT (204.0 m)
STA. 7+743.0 - STA. 7+839.0 LT (96.0 m)
STA. 8+078.0 - STA. 8+152.0 RT (74.0 m)

ARCHIVED
ON CADD

NOTE:
I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

PAVING PROJECT LAYOUT # 7	SURVEYED BY	N/A	DATE	N/A
	DRAWN BY	C.A.K.	DATE	
	SQUAD LEADER	T.P.K.		
	DESIGN FILE NO.	pgve/Qlb024/pb024.dgn		
	IPARM FILE	pb024107.i	DATE PLOTTED	\$DATE\$
	PROJ. NAME	LUDLOW - MT. HOLLY		
	PROJ. NO.	NH_2327(1)S		
	SHEET	16 OF 84	SHEETS	

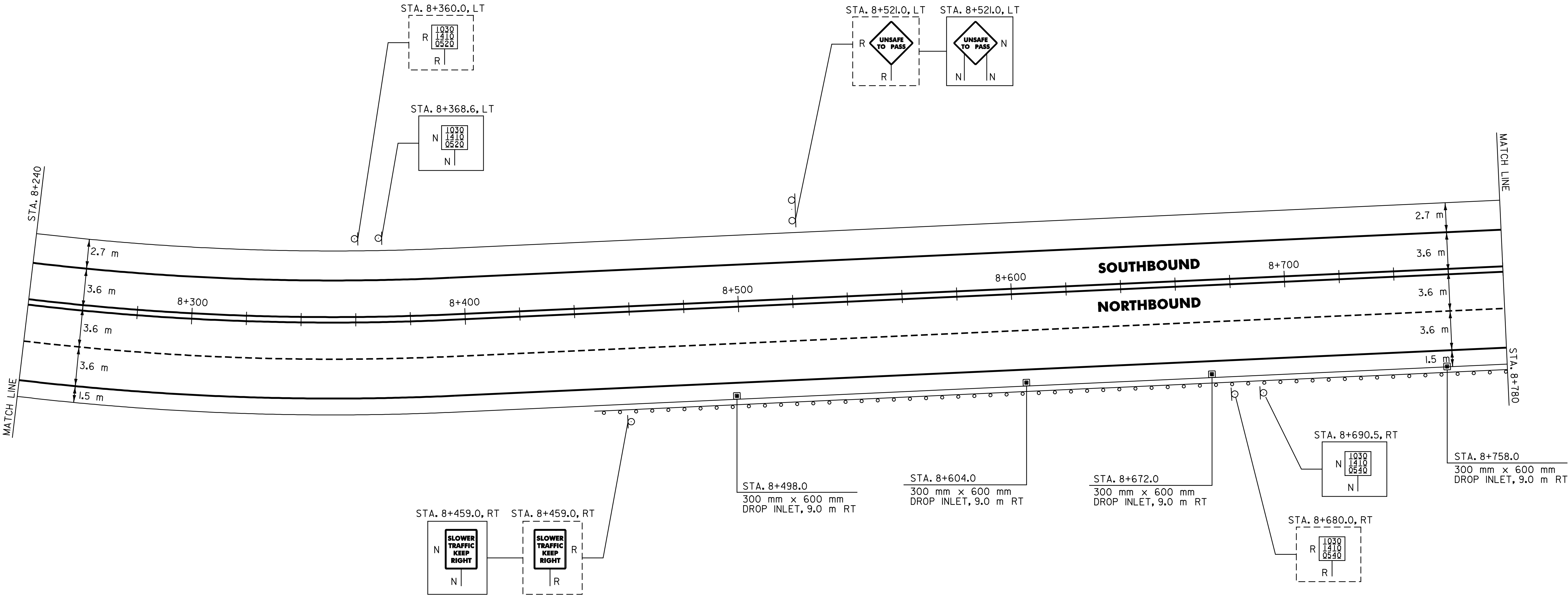
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 8+240.0 - STA. 8+780.0, LT & RT
STA. 8+240.0 - STA. 8+780.0, DASHED LINE 3.6 m RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 8+240.0 - STA. 8+780.0, LT & RT
STA. 8+240.0 - STA. 8+780.0, DASHED LINE 3.6 m RT

646.4I DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 8+240.0 - STA. 8+780.0 LT Q RT
S - - S

646.6I TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 8+240.0 - STA. 8+780.0 LT Q RT
S - - S

675.50 REMOVING SIGNS
AS SHOWN - 4



604.4I2 REHABING DI, CB, OR MH, CLASS I
LUDLOW:
STA. 8+498.0 RT
STA. 8+604.0 RT
STA. 8+672.0 RT
STA. 8+758.0 RT

616.35 TREATED TIMBER CURB
LUDLOW:
STA. 8+495. - STA. 8+780.00 RT (285.0 m)

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 8+464.6 - STA. 8+780.0 RT (315.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 8+464.6 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 8+455.0 - STA. 8+780.0 RT (325.0 m)

NOTE:
1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PAVING
PROJECT
LAYOUT
8

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. Zpave/Qib024/pb024.dgn
IPARM pb024108.1 DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_232I(1)S
SHEET 17 OF 84 SHEETS

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 8+780.0 - STA. 9+318.102, LT & RT
STA. 8+780.0 - STA. 9+050.0, DASHED LINE 3.6 m RT

MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
LUDLOW:
STA. 8+780.0 - STA. 9+318.102, LT & RT
STA. 8+780.0 - STA. 9+050.0, DASHED LINE 3.6 m RT

MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 LT & RT

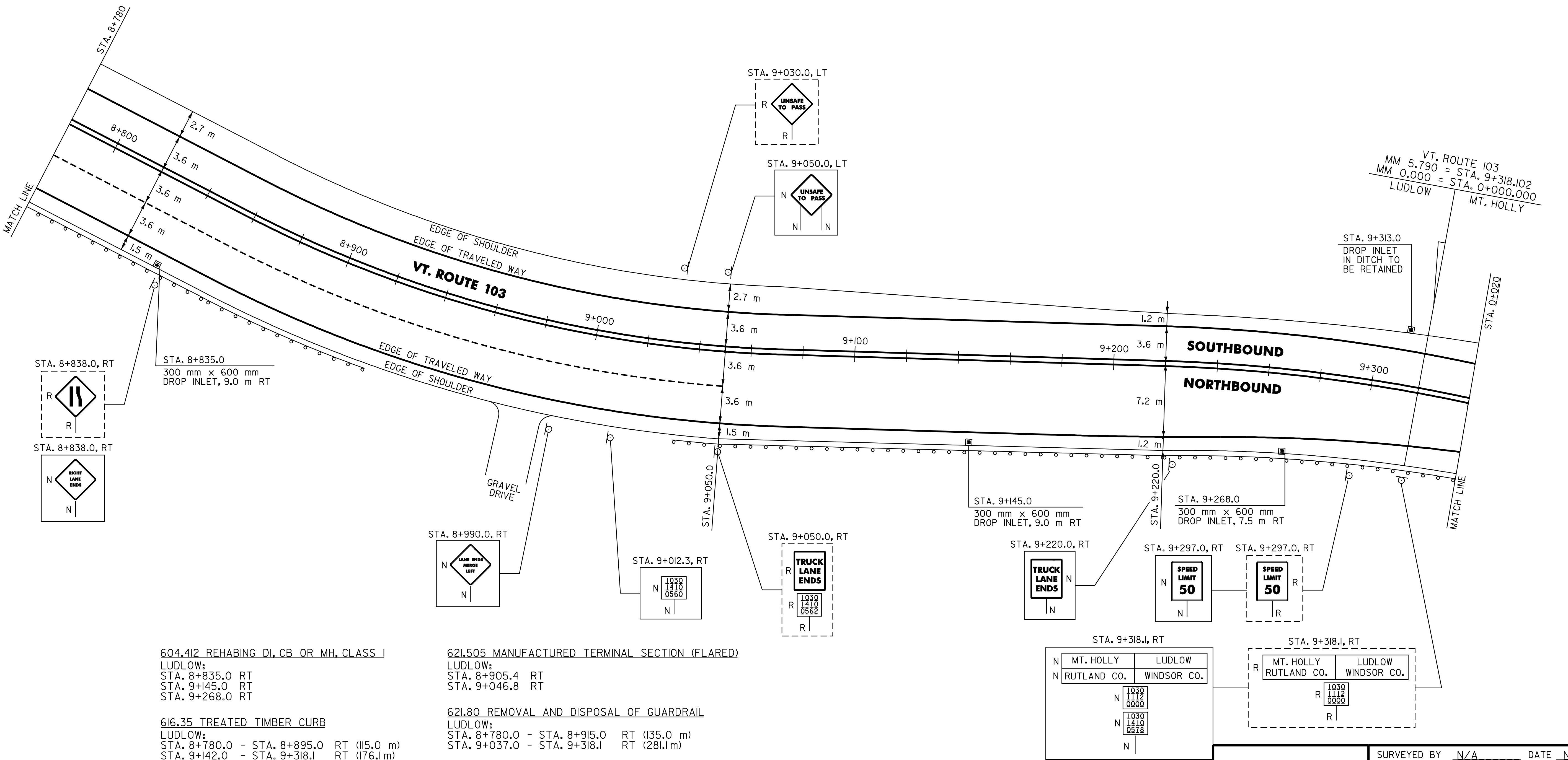
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 8+780.0 - STA. 9+318.102 LT C RT
S - - S

MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 S - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
LUDLOW:
STA. 8+780.0 - STA. 9+318.102 LT C RT
S - - S

MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 S - S

675.50 REMOVING SIGNS
AS SHOWN - 7



604.112 REHABING DI, CB OR MH, CLASS I
LUDLOW:
STA. 8+835.0 RT
STA. 9+145.0 RT
STA. 9+268.0 RT

616.35 TREATED TIMBER CURB
LUDLOW:
STA. 8+780.0 - STA. 8+895.0 RT (115.0 m)
STA. 9+142.0 - STA. 9+318.1 RT (176.1 m)

MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 RT (20.0 m)

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 8+780.0 - STA. 8+905.4 RT (125.4 m)
STA. 9+046.8 - STA. 9+318.1 RT (271.3 m)

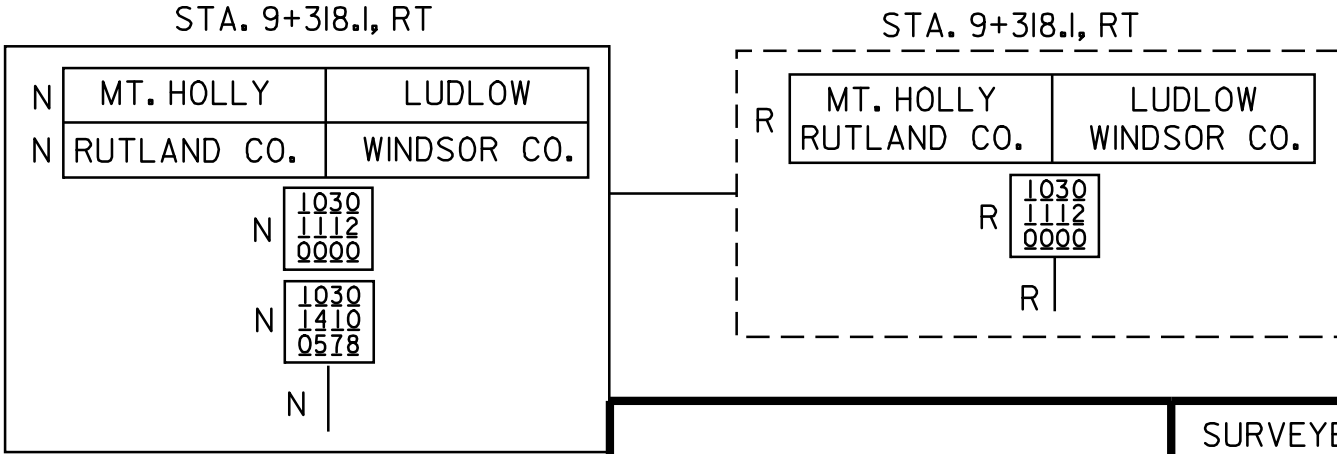
MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 RT (20.0 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 8+905.4 RT
STA. 9+046.8 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 8+780.0 - STA. 8+915.0 RT (135.0 m)
STA. 9+037.0 - STA. 9+318.1 RT (281.1 m)

MT. HOLLY:
STA. 0+000.0 - STA. 0+020.0 RT (20.0 m)

NOTE:
I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.



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

PAVING
PROJECT
LAYOUT
9

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. 2pave/01b024/pb024.dgn
IPARM pb024109.1 DATE \$DATE\$
FILE PLOTTED
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232111S
SHEET 18 OF 84 SHEETS _____

DATUM
VERTICAL N/A
HORIZONTAL N/A

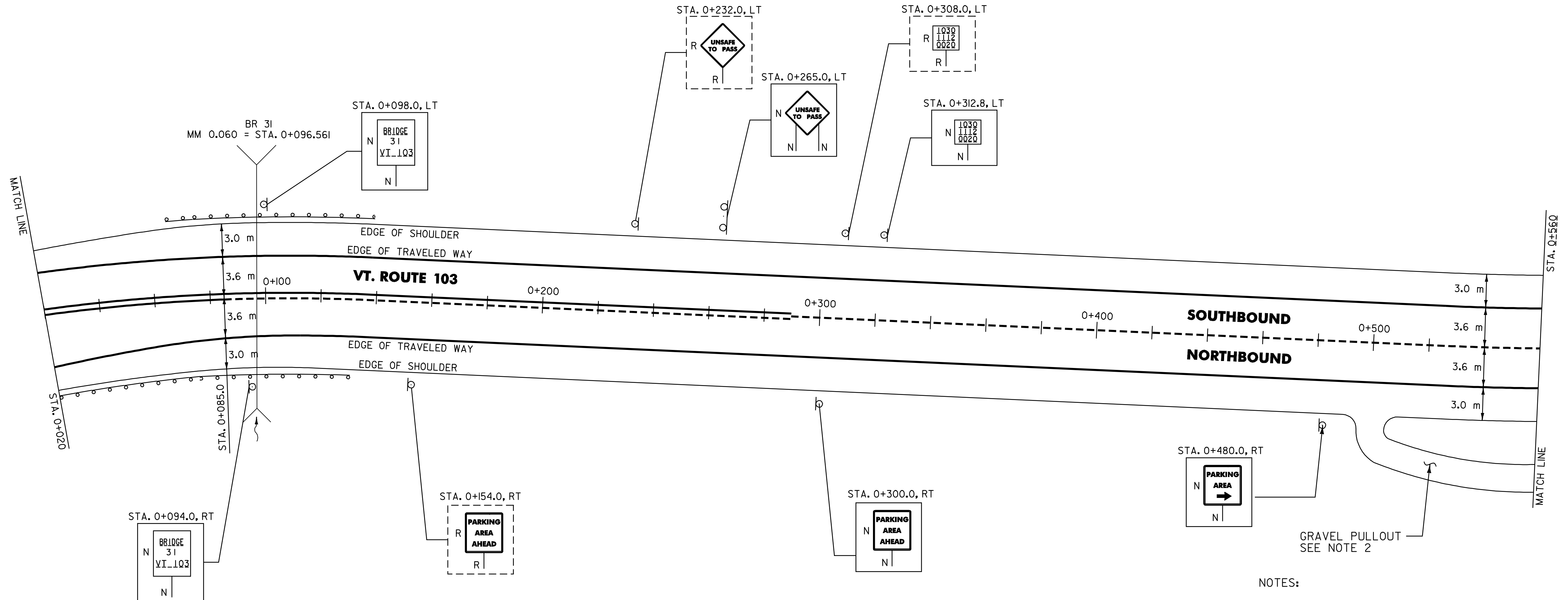
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 0+020.0 - STA. 0+560.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 0+020.0 - STA. 0+560.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 0+020.0 - STA. 0+085.0 S
STA. 0+085.0 - STA. 0+289.7 S
STA. 0+289.7 - STA. 0+560.0 D

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 0+020.0 - STA. 0+085.0 S
STA. 0+085.0 - STA. 0+289.7 S
STA. 0+289.7 - STA. 0+560.0 D

675.50 REMOVING SIGNS
AS SHOWN - 3
BB 12/23/04



NOTES:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
2. PLACE 100 mm OF COMPACTED COLD PLANE GRINDINGS ON THE EXISTING GRAVEL PULLOUT AND PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

**ARCHIVED
ON CADD**

DATUM
VERTICAL N/A
HORIZONTAL N/A

616.35 TREATED TIMBER CURB RMT 11/30/04
MT. HOLLY:
STA. 0+020.0 - STA. 0+083.9 RT (63.9 m)
STA. 0+083.9 - STA. 0+047.4 RT (27.4 m)

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 0+020.0 - STA. 0+112.5 RT (92.5 m)
STA. 0+079.4 - STA. 0+128.8 LT (49.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 0+112.5 RT
STA. 0+079.4 LT
STA. 0+0128.8 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 0+020.0 - STA. 0+122.0 RT (102.0 m)
STA. 0+068.0 - STA. 0+137.0 LT (69.0 m)

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

**PAVING
PROJECT
LAYOUT
10**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.

DESIGN FILE NO. pgve/01b024/pb024.dgn
IPARM pb024101 DATE 11/30/04 PLOTTED *DATE*

PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_2327115
SHEET 19 OF 84 SHEETS _____

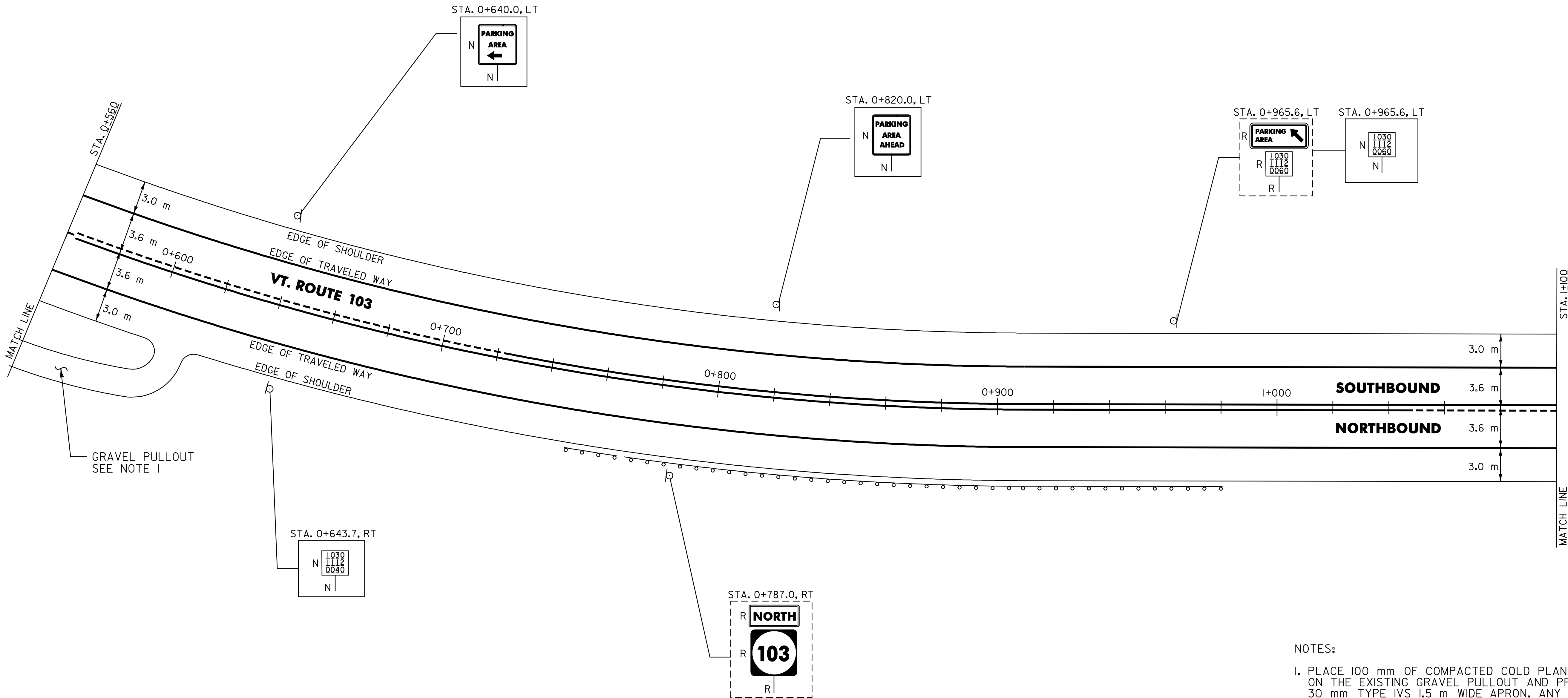
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 0+560.0 - STA. 1+100.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 0+560.0 - STA. 1+100.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 0+560.0 - STA. 0+563.3 LT C RT
STA. 0+563.3 - STA. 0+724.2 D - S
STA. 0+724.2 - STA. 1+046.1 S - S
STA. 1+046.1 - STA. 1+100.0 S - D

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 0+560.0 - STA. 0+563.3 LT C RT
STA. 0+563.3 - STA. 0+724.2 D - S
STA. 0+724.2 - STA. 1+046.1 S - S
STA. 1+046.1 - STA. 1+100.0 S - D

675.50 REMOVING SIGNS
AS SHOWN - 4



- NOTES:
- 1. PLACE 100 mm OF COMPACTED COLD PLANE GRINDINGS ON THE EXISTING GRAVEL PULLOUT AND PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.
 - 2. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 0+758.8 - STA. 0+971.6 RT (212.8 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 0+758.8 RT
STA. 0+971.6 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 0+749.0 - STA. 0+983.0 RT (234.0 m)

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

PAVING
PROJECT
LAYOUT
11

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. Zpave/Qib024/pb024.dgn
IPARM FILE pb024\11 DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_232111S
SHEET 20 OF 84 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. I+100.0 - STA. I+660.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. I+100.0 - STA. I+660.0, LT & RT

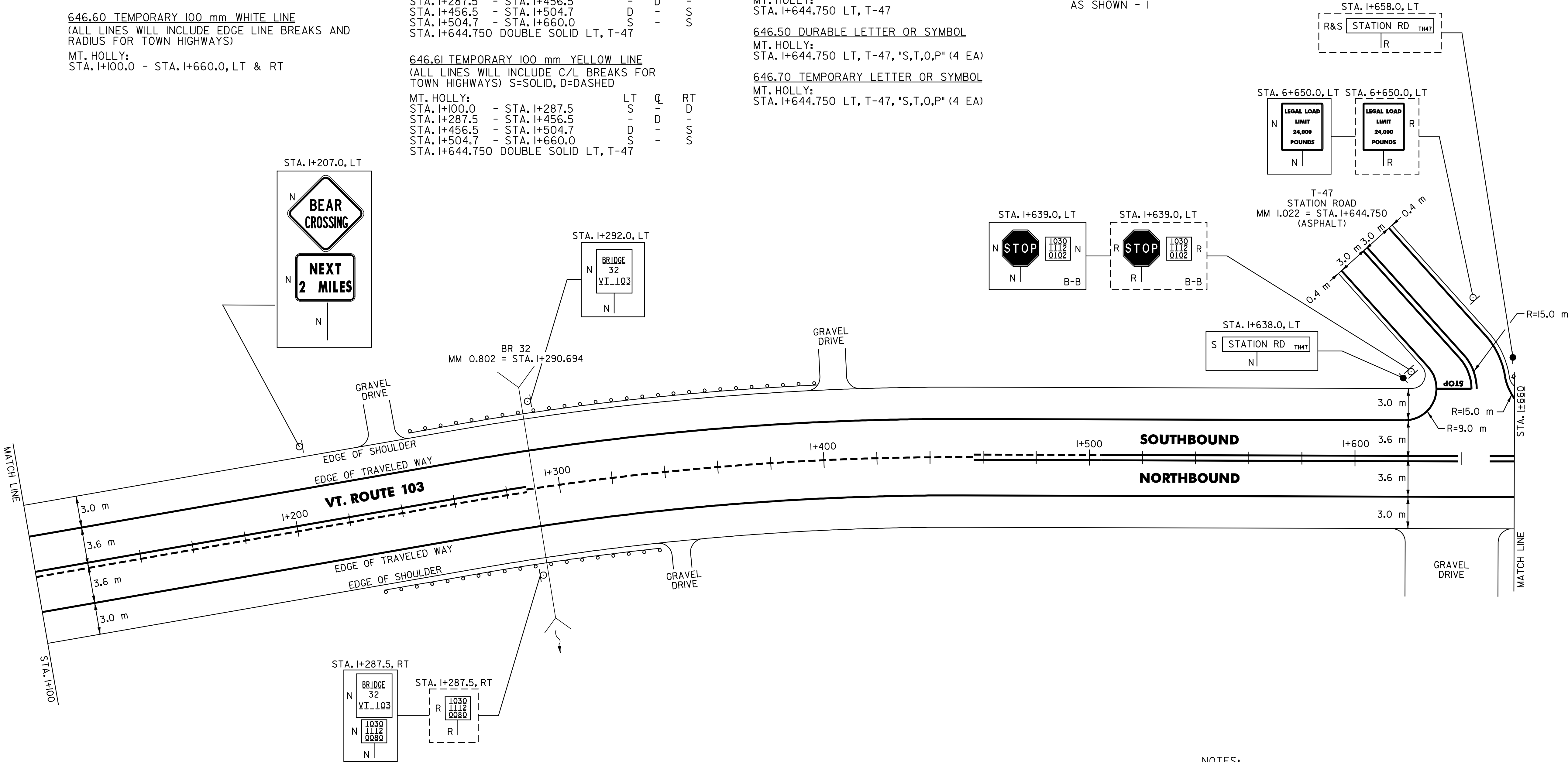
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. I+100.0 - STA. I+287.5 LT Q RT
STA. I+287.5 - STA. I+456.5 S D D
STA. I+456.5 - STA. I+504.7 D S S
STA. I+504.7 - STA. I+660.0 S S S
STA. I+644.750 DOUBLE SOLID LT, T-47

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. I+100.0 - STA. I+287.5 LT Q RT
STA. I+287.5 - STA. I+456.5 S D D
STA. I+456.5 - STA. I+504.7 D S S
STA. I+504.7 - STA. I+660.0 S S S
STA. I+644.750 DOUBLE SOLID LT, T-47

646.46 DURABLE 600 mm STOP BAR
MT. HOLLY:
STA. I+644.750 LT, T-47
646.66 TEMPORARY 600 mm STOP BAR
MT. HOLLY:
STA. I+644.750 LT, T-47

646.50 DURABLE LETTER OR SYMBOL
MT. HOLLY:
STA. I+644.750 LT, T-47, "S,T,O,P" (4 EA)
646.70 TEMPORARY LETTER OR SYMBOL
MT. HOLLY:
STA. I+644.750 LT, T-47, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 5
675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

ARCHIVED
ON CADD

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY: STA. I+324.0
STA. I+240.2 - STA. I+327.6 RT (87.4 m) (83.8m) RMT
STA. I+258.4 - STA. I+387.6 LT (129.2 m) II/30/04

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. I+240.2 RT
STA. I+258.4 LT
STA. I+327.6 RT
STA. I+387.6 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. I+236.0 - STA. I+339.0 RT (103.0 m)
STA. I+277.0 - STA. I+399.0 LT (122.0 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

PAVING
PROJECT
LAYOUT
12

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/QibQ24/pb024.dgn
IPARM pbQ24I2.L DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_2327(IIS)
SHEET 21 OF 84 SHEETS

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. I+660.0 - STA. 2+180.0, LT & RT

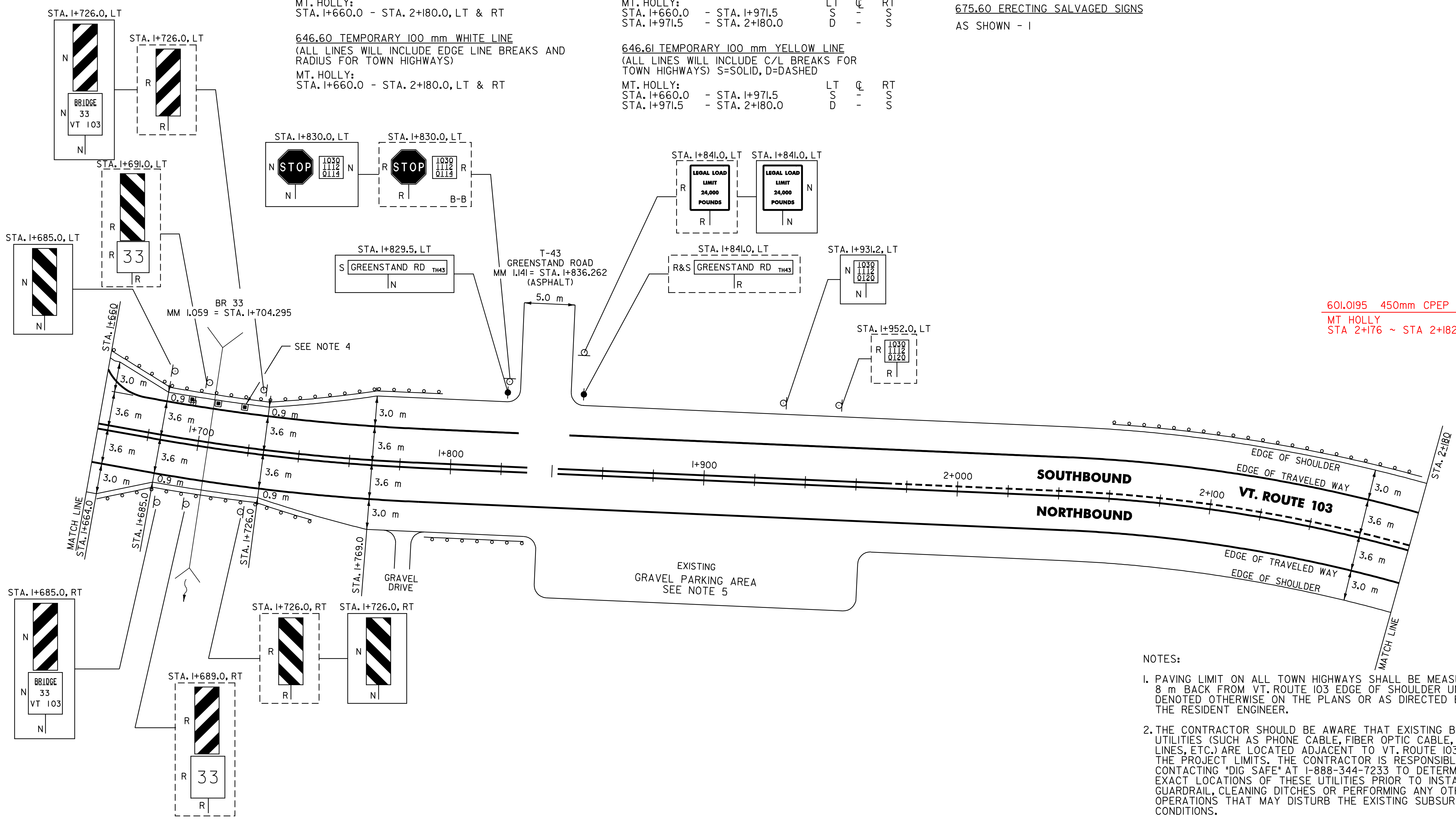
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. I+660.0 - STA. 2+180.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. I+660.0 - STA. I+971.5 LT S
STA. I+971.5 - STA. 2+180.0 D

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. I+660.0 - STA. I+971.5 LT S
STA. I+971.5 - STA. 2+180.0 D

675.50 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



601.0195 450mm CPEP
MT HOLLY
STA 2+176 ~ STA 2+182 LT (6.10m)
RMT 11/30/04

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - SEE SHEETS 76 & 81 OF 84 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 79 OF 84 FOR BRIDGE 33 DETAILS.
 - THE SOUTHBOUND SHOULDER ON BRIDGE 33 CONTAINS ~~THREE~~ **FOUR** EXISTING DRAINAGE STRUCTURES. HEIGHT ADJUSTMENTS OR REHABILITATION MAY NOT BE REQUIRED. RMT 11/30/04
 - PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

ARCHIVED
ON CADD

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. I+672.0 - STA. I+687.2 LT (15.2 m)
STA. I+722.8 - STA. I+734.2 RT (11.4 m)
STA. I+738.2 - STA. I+787.6 LT (49.4 m) (57.2m)
STA. I+797.6 - STA. I+820.4 RT (22.8 m)
STA. 2+066.2 - STA. 2+168.8 LT (102.6 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. I+672.0 LT
STA. I+673.8 RT
STA. I+734.2 RT
STA. I+787.6 LT
STA. I+797.6 RT
STA. I+820.4 RT
STA. 2+066.2 LT
STA. 2+168.8 LT

621.70 GUARDRAIL APPROACH SECTION, TYPE I
MT. HOLLY:
STA. I+673.8 - STA. I+689.0 RT (16A)
STA. I+723.0 - STA. I+738.2 LT (16A)

621.71 GUARDRAIL APPROACH SECTION, TYPE II
MT. HOLLY:
STA. I+687.2 - STA. I+691.0 LT (16A)
STA. I+719.0 - STA. I+722.8 RT (16A)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. I+661.1 - STA. I+689.0 RT (28.0 m)
STA. I+664.0 - STA. I+691.0 LT (27.0 m)
STA. I+719.0 - STA. I+745.0 RT (26.0 m)
STA. I+723.0 - STA. I+769.0 LT (46.0 m)
STA. I+786.0 - STA. I+832.0 RT (46.0 m)
STA. 2+056.0 - STA. 2+179.0 LT (123.0 m)

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

PAVING
PROJECT
LAYOUT
13

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	/pave/01b024/pb024.dgn		
IPARM FILE	pb024113.1	DATE PLOTTED	*DATE*
PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_23271115		
SHEET	22 OF 84	SHEETS	

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 2+180.0 - STA. 2+720.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 2+180.0 - STA. 2+720.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 2+180.0 - STA. 2+720.0 LT S Q RT S
STA. 2+589.435 DOUBLE SOLID LT, T-2

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 2+180.0 - STA. 2+720.0 LT S Q RT S
STA. 2+589.435 DOUBLE SOLID LT, T-2

646.46 DURABLE 600 mm STOP BAR
MT. HOLLY:
STA. 2+589.435 LT, T-2

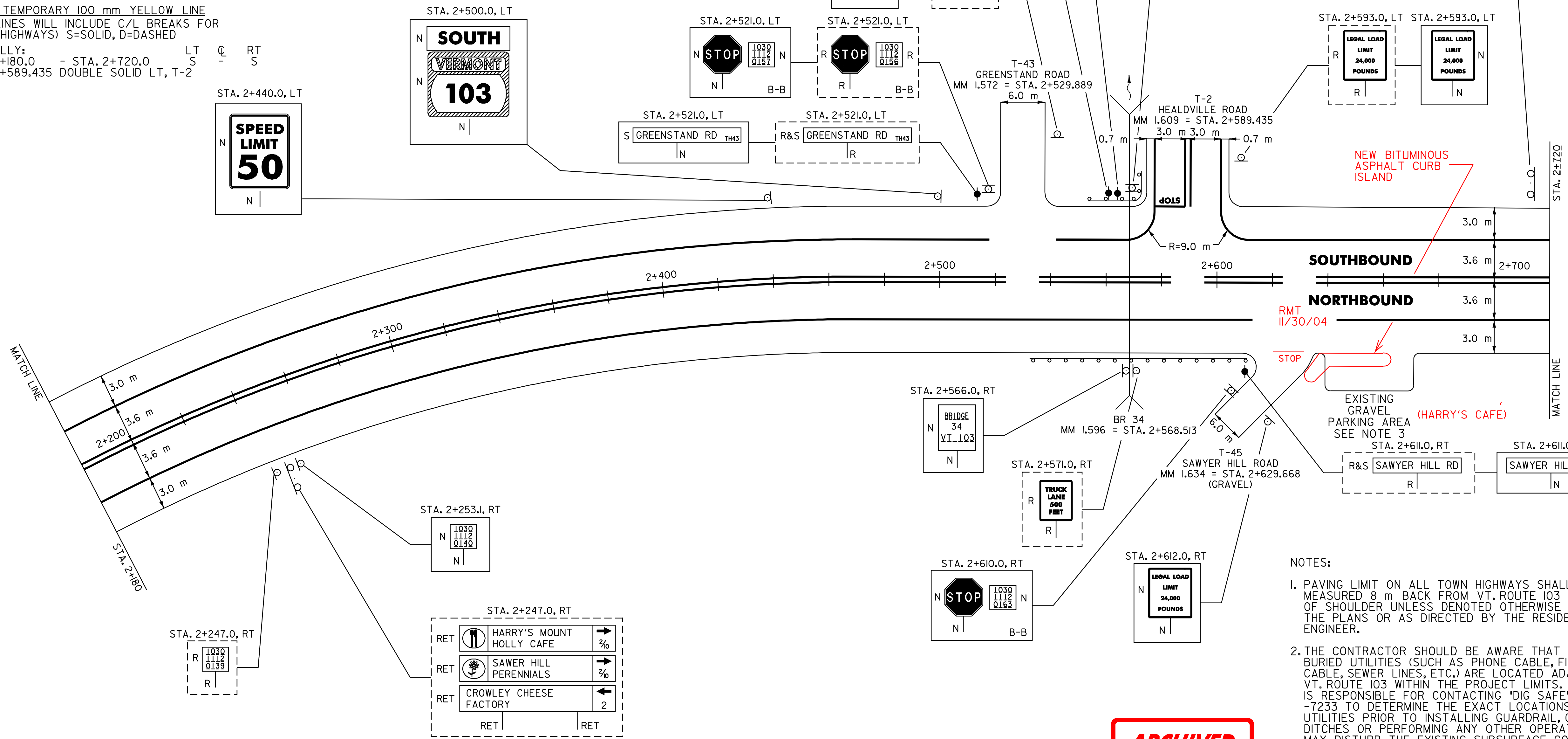
646.66 TEMPORARY 600 mm STOP BAR
MT. HOLLY:
STA. 2+589.435 LT, T-2

646.50 DURABLE LETTER OR SYMBOL RMT 11/30/04
MT. HOLLY:
STA. 2+589.435 LT, T-2, "S,T,O,P" (4 EA)
STA. 2+629.668 RT, T-2, "S.T.O.P." (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL
MT. HOLLY:
STA. 2+589.435 LT, T-2, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

ARCHIVED
ON CADD

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 2+548.8 - STA. 2+590.6 RT (41.8 m)
STA. 2+561.6 - STA. 2+573.0 LT (45.6 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 2+548.8 RT
STA. 2+561.6 LT
STA. 2+573.0 LT
STA. 2+590.6 RT NOT INSTALLED RMT 11/30/04

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 2+560.0 - STA. 2+602.0 RT (42.0 m)
STA. 2+551.0 - STA. 2+573.0 LT (67.6 m)

601.0915 450mm CPEP
MT. HOLLY
STA. 2+519 ~ STA. 2+535 RT (15.24m) RMT 11/30/04

616.31 BITUMINOUS CONCRETE CURB, TYPE B
MT. HOLLY
STA. 2+630 ~ STA. 2+660 RT (69.9m) RMT 11/30/04

621.60 ANCHORS FOR STEEL BEAM GUARDRAIL
MT. HOLLY
STA. 2+569 & STA. 2+575 LT (2 EA) RMT 11/30/04
STA. 2+597 & STA. 2+609 RT (2 EA)

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

PAVING PROJECT LAYOUT # 14	SURVEYED BY	N/A	DATE	N/A
	DRAWN BY	C.A.K.	DATE	
	SQUAD LEADER	T.P.K.		
	DESIGN FILE NO.	/pave/01b024/pb024.dgn		
	IPARM FILE	pb024114.1	DATE PLOTTED	\$DATE\$
	PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_2327111S			
SHEET	23	OF	84	SHEETS

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 2+720.0 - STA. 3+260.0, LT & RT
STA. 2+890.0 - STA. 3+260.0, DASHED LINE 3.6 m RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 2+720.0 - STA. 3+260.0, LT & RT
STA. 2+890.0 - STA. 3+260.0, DASHED LINE 3.6 m RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 2+720.0 - STA. 3+260.0 LT S
STA. 2+769.681 DOUBLE SOLID RT, T-57

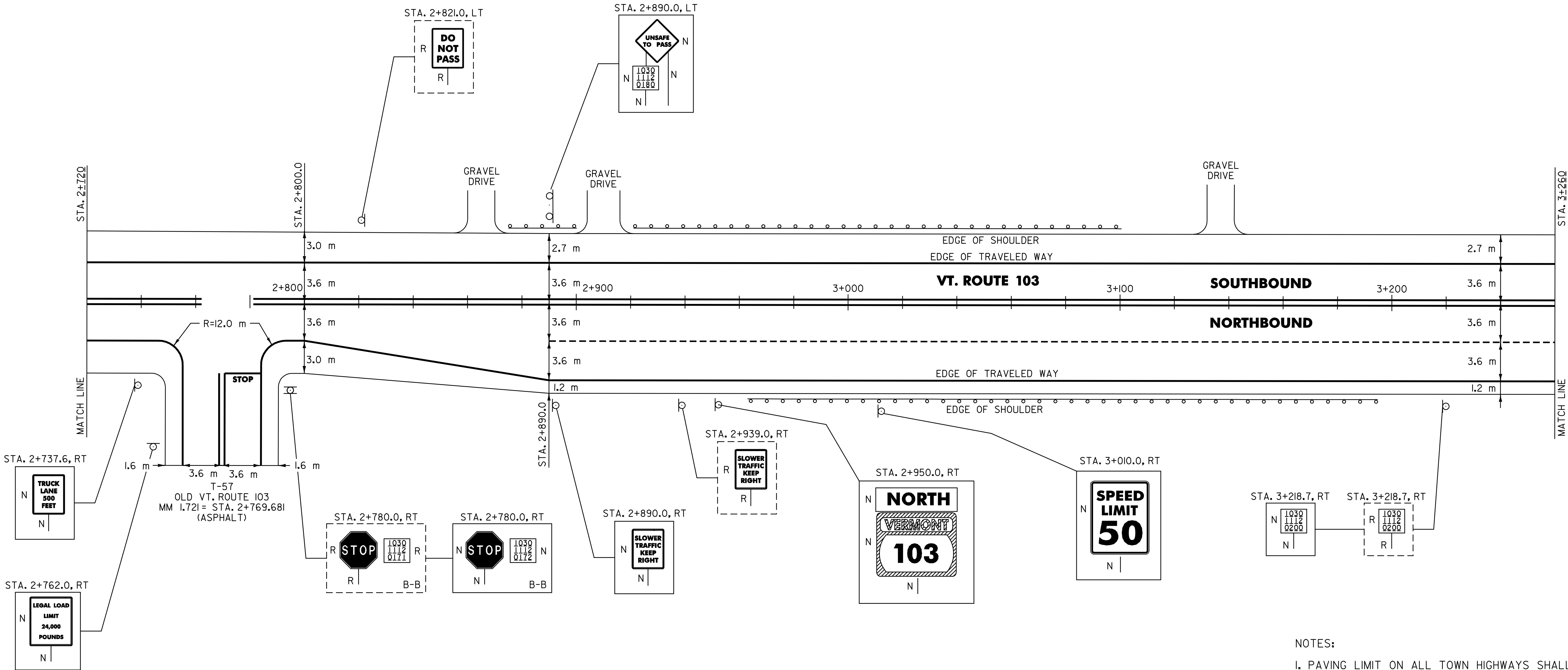
646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 2+720.0 - STA. 3+260.0 LT S
STA. 2+769.681 DOUBLE SOLID RT, T-57

646.46 DURABLE 600 mm STOP BAR
MT. HOLLY:
STA. 2+769.681 RT, T-57

646.66 TEMPORARY 600 mm STOP BAR
MT. HOLLY:
STA. 2+769.681 RT, T-57

646.50 DURABLE LETTER OR SYMBOL
MT. HOLLY:
STA. 2+769.681 RT, T-57, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL
MT. HOLLY:
STA. 2+769.681 RT, T-57, "S,T,O,P" (4 EA)



621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 2+879.4 - STA. 2+890.8 LT (11.4 m)
STA. 2+929.4 - STA. 3+089.0 LT (159.6 m)
STA. 2+983.1 - STA. 3+176.9 RT (193.8 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 2+879.4 LT
STA. 2+890.8 LT
STA. 2+929.4 LT
STA. 2+983.1 RT
STA. 3+089.0 LT
STA. 3+176.9 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 2+868.0 - STA. 2+903.0 LT (35.0 m)
STA. 2+918.0 - STA. 3+099.0 LT (181.0 m)
STA. 2+973.0 - STA. 3+187.0 RT (214.0 m)

- NOTES:
1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 2. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PAVING
PROJECT
LAYOUT
15

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. dpave/Qlb024/pb024.dgn
IPARM dp024115.i DATE \$DATE\$
FILE PLOTTED
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_2321115
SHEET 24 OF 84 SHEETS _____

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 3+260.0 - STA. 3+780.0 LT & RT
STA. 3+260.0 - STA. 3+780.0 DASHED LINE 3.6 m RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 3+260.0 - STA. 3+780.0 LT & RT
STA. 3+260.0 - STA. 3+780.0 DASHED LINE 3.6 m RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 3+260.0 - STA. 3+780.0

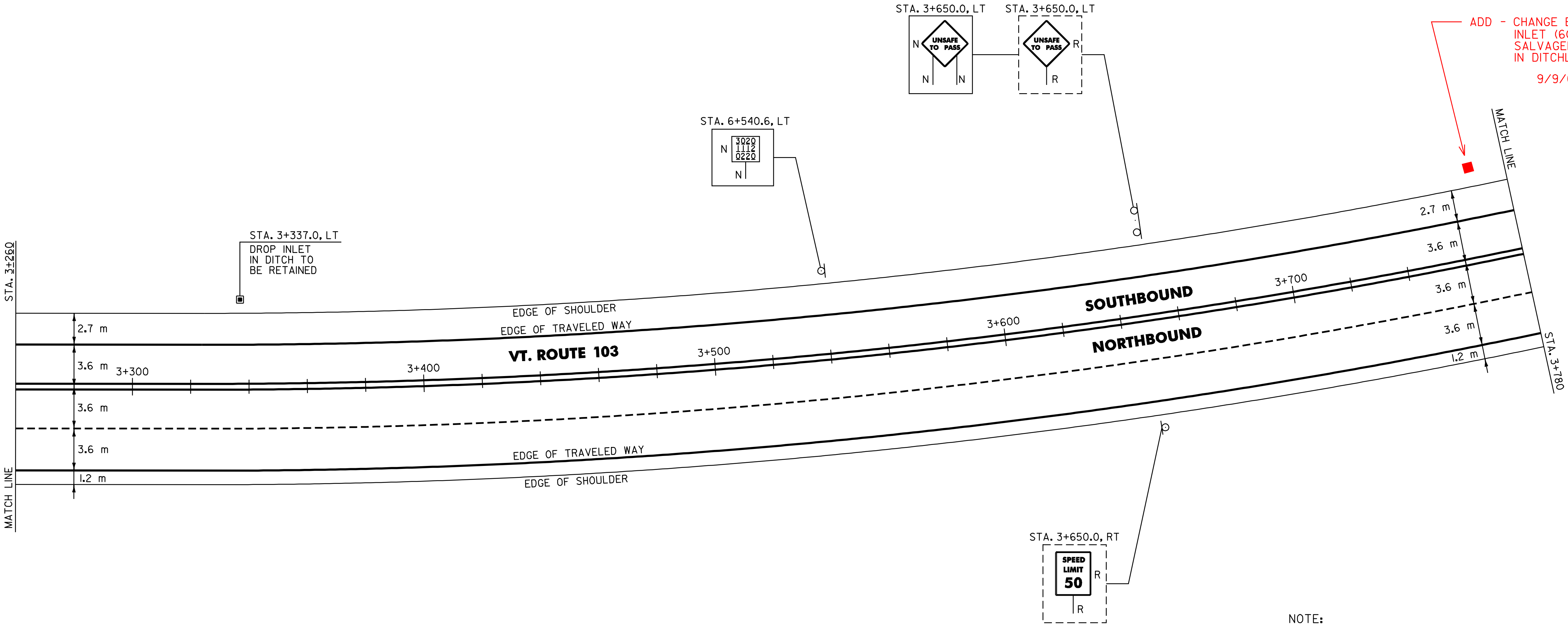
LT CL RT
S - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 3+260.0 - STA. 3+780.0

LT CL RT
S - S

675.50 REMOVING SIGNS
AS SHOWN - 2



NOTE:
I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

PAVING
PROJECT
LAYOUT
16

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. zpgve/01b024/pb024.dgn
IPARM pb024/16.1 DATE \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_23271115
SHEET 25 OF 84 SHEETS _____

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 3+780.0 - STA. 4+340.0, LT & RT
STA. 3+780.0 - ~~STA. 4+030.0~~, DASHED LINE 3.6 m RT
~~STA 3+900~~ RMT 11/30/04

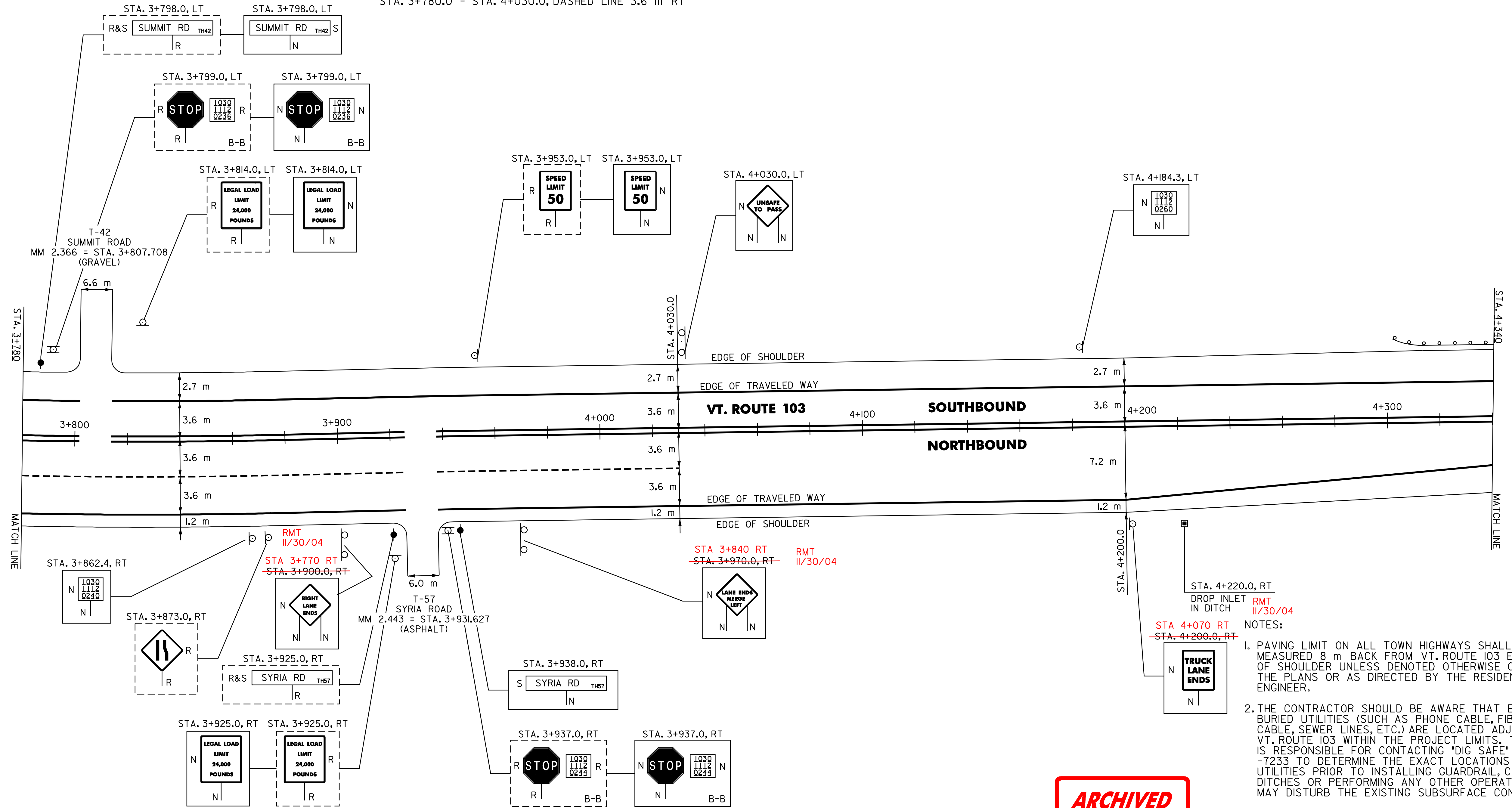
646.60 TEMPORARY 100 mm WHITE LINE 11/30/04
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 3+780.0 - STA. 4+340.0, LT & RT
STA. 3+780.0 - STA. 4+030.0, DASHED LINE 3.6 m RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 3+780.0 - STA. 4+340.0 LT C RT S - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 3+780.0 - STA. 4+340.0 LT C RT S - S

675.50 REMOVING SIGNS
AS SHOWN - 10

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

ARCHIVED
ON CADD

DATUM	
VERTICAL	<u>N/A</u>
HORIZONTAL	<u>N/A</u>

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 4+325.6 - STA. 4+340.0 LT (14.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 4+325.6 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 4+316.0 - STA. 4+340.0 LT (24.0 m)

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

PAVING PROJECT LAYOUT # 17	SURVEYED BY	<u>N/A</u>	DATE	<u>N/A</u>
	DRAWN BY	<u>C.A.K.</u>	DATE	
	SQUAD LEADER	<u>T.P.K.</u>		
	DESIGN FILE NO.	<u>Qb024/pb024.dgn</u>		
	IPARM FILE	<u>pb024117.J</u>	DATE PLOTTED	<u>\$DATE\$</u>
	PROJ. NAME	<u>LULOW - MT. HOLLY</u>		
	PROJ. NO.	<u>NH_2327(1)S</u>		
	SHEET	<u>26</u> OF <u>84</u>	SHEETS	

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 4+340.0 - STA. 4+880.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 4+340.0 - STA. 4+880.0, LT & RT

BB 12/13/04
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 4+340.0 - STA. 4+380.0 LT S
STA. 4+380.0 - STA. 4+510.0 LT S
STA. 4+510.0 - STA. 4+584.0 LT S
STA. 4+584.0 - STA. 4+654.0 LT S
STA. 4+654.0 - STA. 4+880.0 LT S

RT S
D
D
S
S

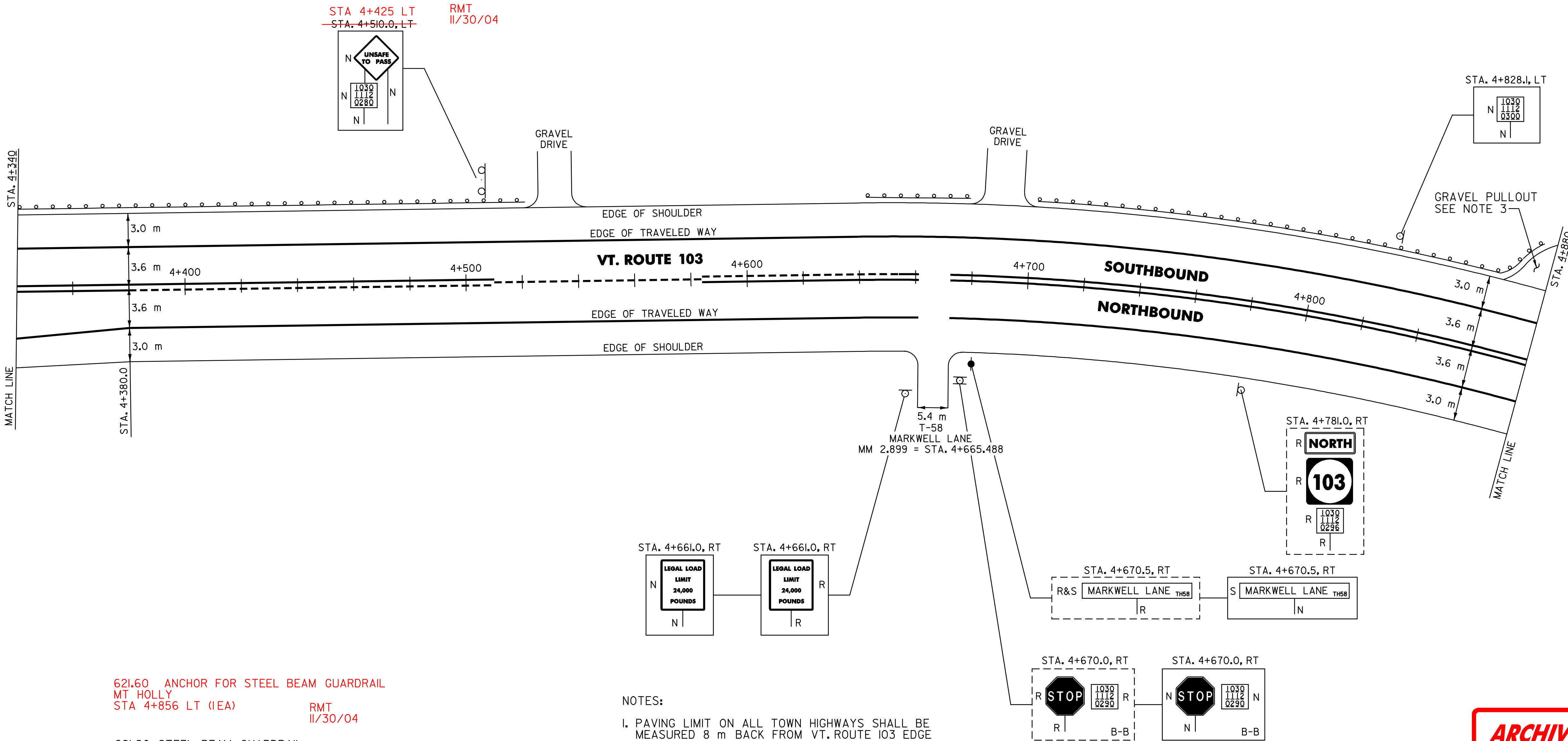
646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 4+340.0 - STA. 4+380.0 LT S
STA. 4+380.0 - STA. 4+510.0 LT S
STA. 4+510.0 - STA. 4+584.0 LT S
STA. 4+584.0 - STA. 4+654.0 LT S
STA. 4+654.0 - STA. 4+880.0 LT S

RT S
D
D
S
S

675.50 REMOVING SIGNS
AS SHOWN - 7

676.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



621.60 ANCHOR FOR STEEL BEAM GUARDRAIL
MT. HOLLY
STA. 4+856 LT (IEA) RMT 11/30/04

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 4+340.0 - STA. 4+515.6 LT (175.6 m)
STA. 4+651.6 - STA. 4+670.6 LT (19.0 m)
STA. 4+709.4 - STA. 4+861.4 LT (201.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 4+515.6 LT
STA. 4+651.6 LT
STA. 4+670.6 LT
STA. 4+709.4 LT
~~STA. 4+861.4 LT~~ NOT INSTALLED RMT 11/30/04

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 4+340.0 - STA. 4+527.0 LT (187.0 m)
STA. 4+641.0 - STA. 4+670.6 LT (41.0 m)
STA. 4+698.0 - STA. 4+859.0 LT (221.8 m)

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - PLACE 100 mm OF COMPACTED COLD PLANE GRINDINGS ON THE EXISTING GRAVEL PULLOUT AND PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

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

**PAVING
PROJECT
LAYOUT
18**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. 4pave/01b024/pb024.dgn
IPARM pb024118.L DATE 11/30/04 PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232711S
SHEET 21 OF 84 SHEETS _____

DATUM
VERTICAL N/A
HORIZONTAL N/A

**ARCHIVED
ON CADD**

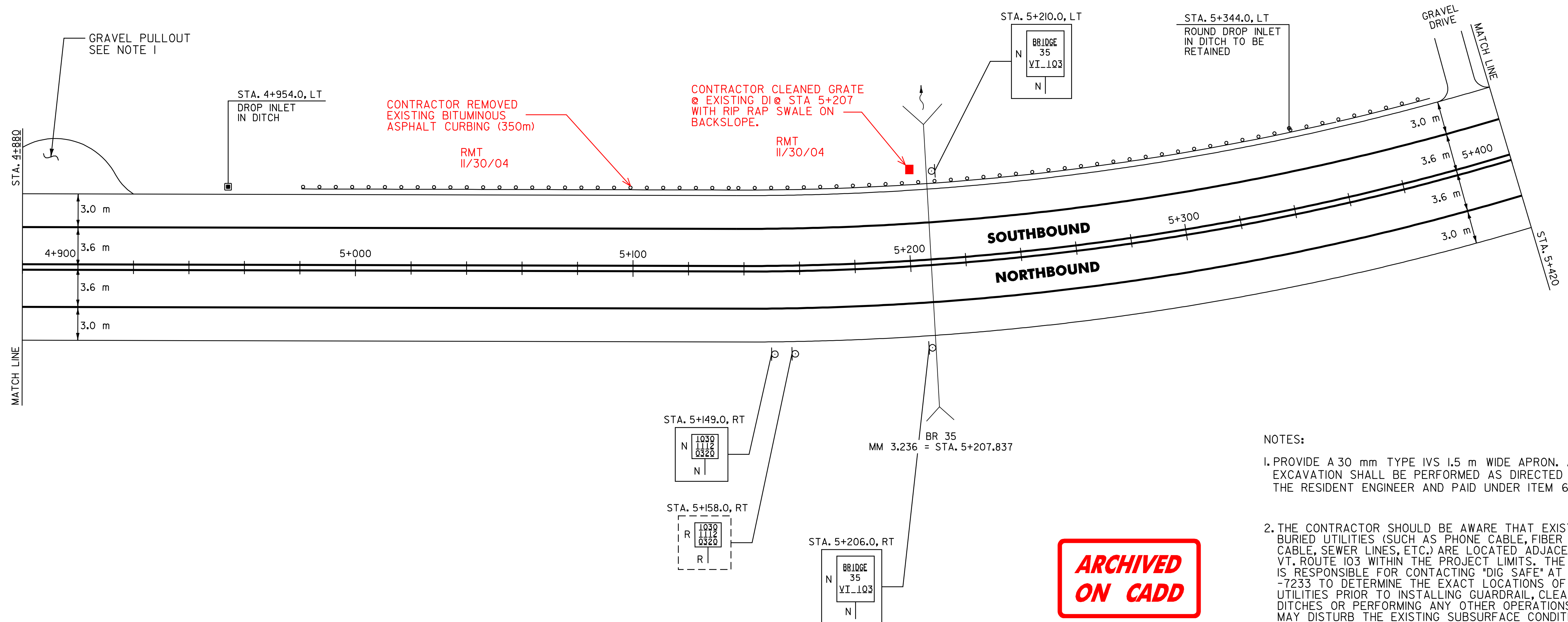
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 4+880.0 - STA. 5+420.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 4+880.0 - STA. 5+420.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 4+880.0 - STA. 5+420.0 LT CL RT
S - - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 4+880.0 - STA. 5+420.0 LT CL RT
S - - S

675.50 REMOVING SIGNS
AS SHOWN - I



- NOTES:
1. PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.
 2. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 4+988.2 - STA. 5+379.6 LT (391.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 4+988.2 LT - NOT INSTALLED RMT 11/30/04
STA. 5+379.6 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 4+979.0 - STA. 5+391.0 LT (412.0 m)

621.60 ANCHOR FOR STEEL BEAM GUARDRAIL
MT. HOLLY
STA. 4+987 LT (1EA) RMT 11/30/04

616.35 TREATED TIMBER CURB
MT. HOLLY
STA. 5+020.5 ~ STA. 5+354.2 LT (330.4m) RMT 11/30/04

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

PAVING
PROJECT
LAYOUT
19

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	/pave/01b024/pb024.dgn		
IPARM		DATE	
FILE	pb024119.1	PLOTTED	\$DATE\$
PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_232711S		
SHEET	28	OF	84
SHEETS			

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

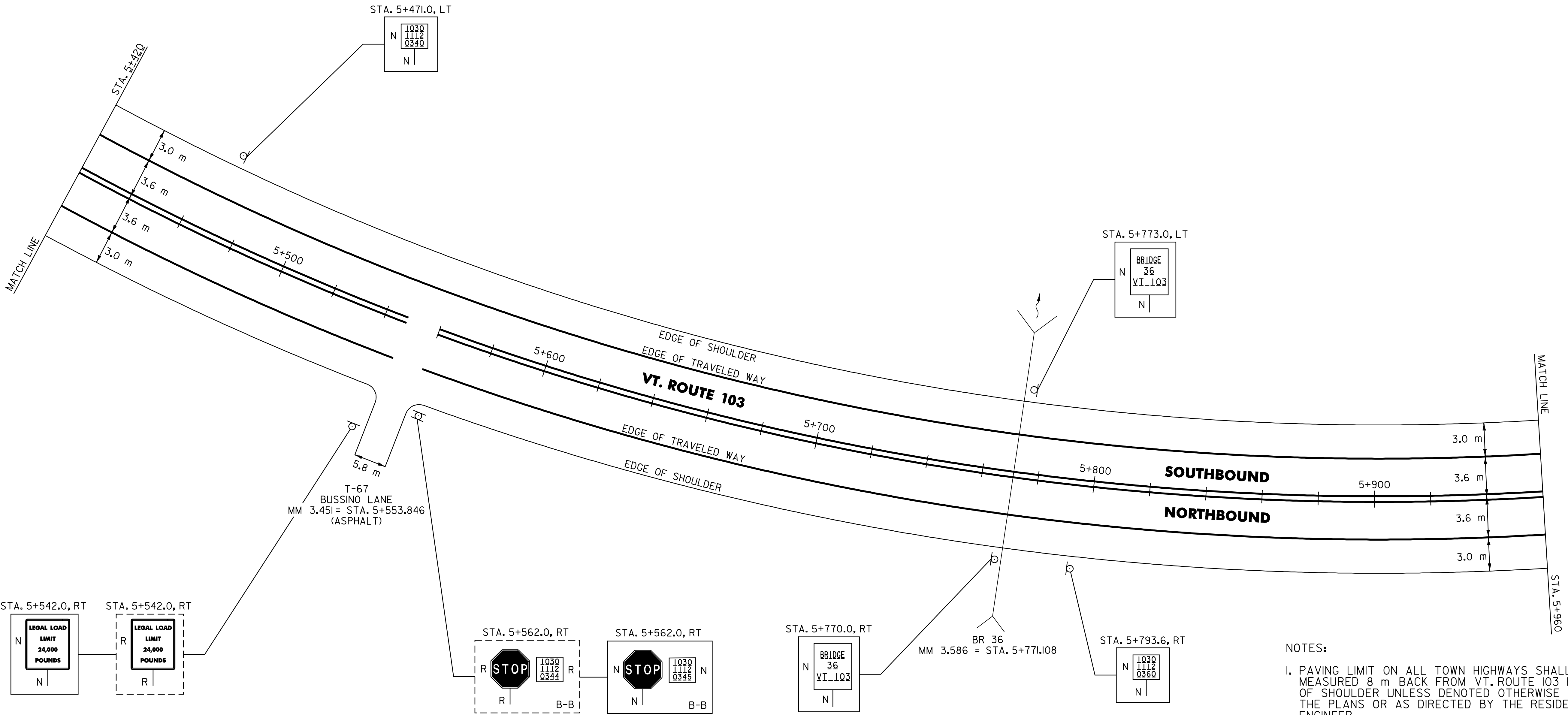
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 5+420.0 - STA. 5+960.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 5+420.0 - STA. 5+960.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 5+420.0 - STA. 5+960.0 LT C RT
S - - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 5+420.0 - STA. 5+960.0 LT C RT
S - - S

675.50 REMOVING SIGNS
AS SHOWN - 3



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PAVING
PROJECT
LAYOUT
20

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE -----
SQUAD LEADER T.P.K.
DESIGN FILE NO. dpave/01b024/pb024.dgn
IPARM dp024120.1 DATE ----- \$DATE\$
FILE ----- PLOTTED -----
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_232111S
SHEET 29 OF 84 SHEETS -----

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 5+960.0 - STA. 6+500.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

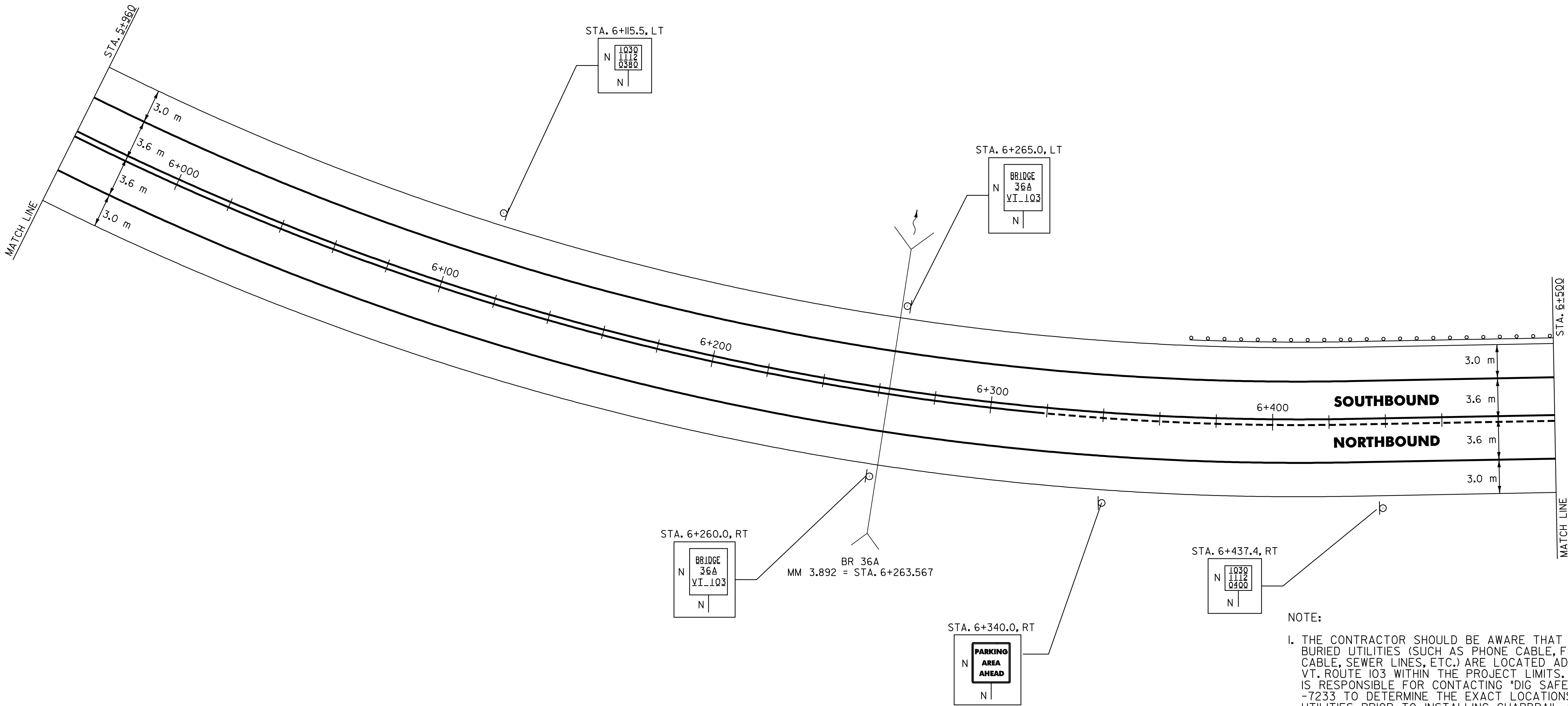
MT. HOLLY:
STA. 5+960.0 - STA. 6+500.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 5+960.0 - STA. 6+316.7 LT CL RT
STA. 6+316.7 - STA. 6+500.0 S - S D

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 5+960.0 - STA. 6+316.7 LT CL RT
STA. 6+316.7 - STA. 6+500.0 S - S D



621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 6+381.3 - STA. 6+500.0 LT (118.7 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 6+381.3 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 6+371.0 - STA. 6+500.0 (129.0 m)

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

PAVING
PROJECT
LAYOUT
21

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. dp0241211 DATE PLOTTED \$DATE\$
IPARM FILE dp0241211 DATE PLOTTED \$DATE\$
PROJ. NAME LOWDOWN - MI. HOLLY
PROJ. NO. NH_232111S
SHEET 30 OF 84 SHEETS -----

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 6+500.0 - STA. 7+040.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 6+500.0 - STA. 7+040.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 6+500.0 - STA. 6+533.9 6+553 S
STA. 6+533.9 - STA. 6+654.6 6+674 D
STA. 6+654.6 - STA. 6+775.3 6+853 S
STA. 6+775.3 - STA. 6+839.0 6+853 S
STA. 6+839.0 - STA. 6+952.0 6+853 S
STA. 6+952.0 - STA. 7+040.0 6+853 S
BB 12/13/04

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 6+500.0 - STA. 6+533.9 S
STA. 6+533.9 - STA. 6+654.6 D
STA. 6+654.6 - STA. 6+775.3 D
STA. 6+775.3 - STA. 6+839.0 S
STA. 6+839.0 - STA. 6+952.0 S
STA. 6+952.0 - STA. 7+040.0 D

646.46 DURABLE 600 mm STOP BAR
MT. HOLLY:
STA. 6+831.665 RT, T-4

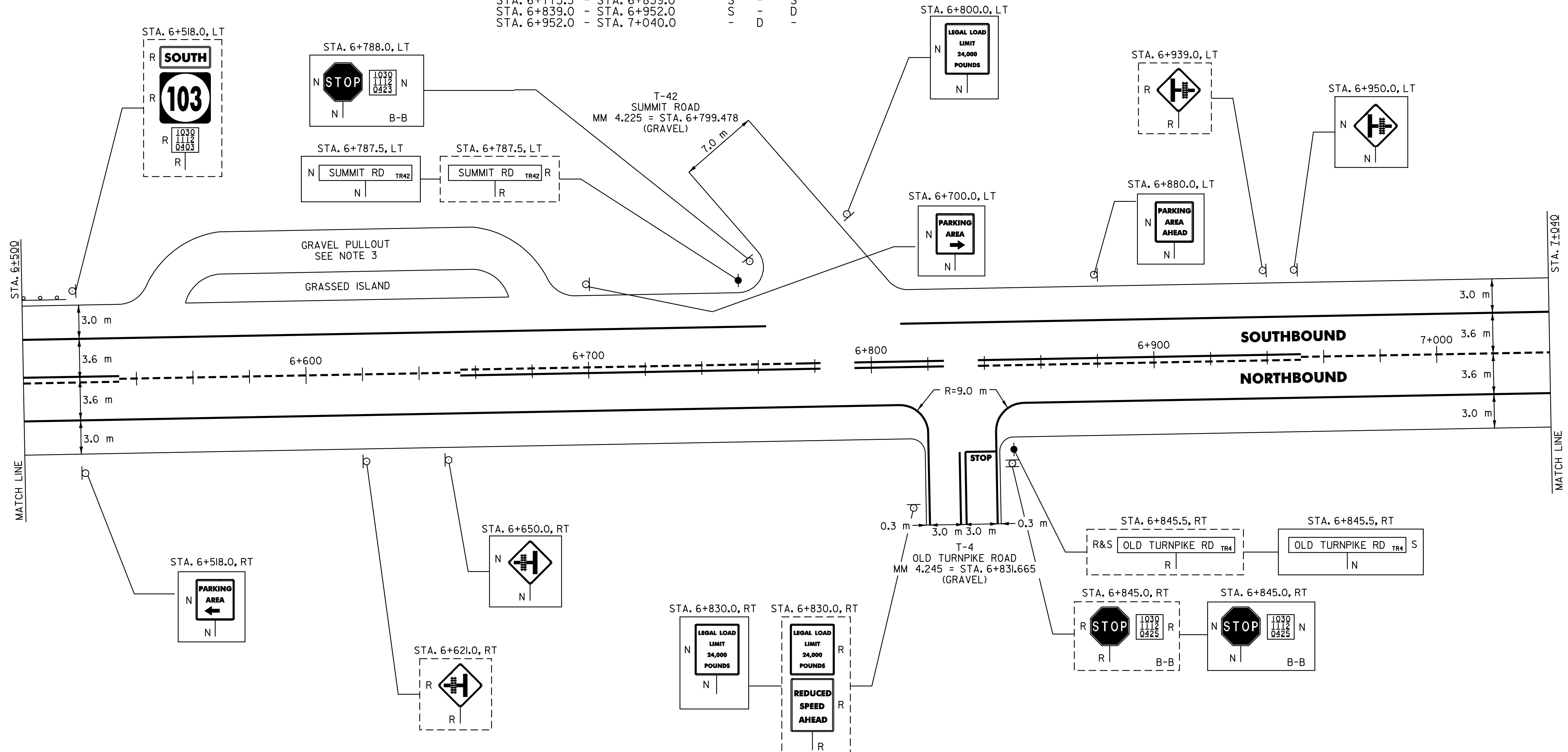
646.66 TEMPORARY 600 mm STOP BAR
MT. HOLLY:
STA. 6+831.665 RT, T-4

646.50 DURABLE LETTER OR SYMBOL
MT. HOLLY:
STA. 6+831.665 RT, T-4, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL
MT. HOLLY:
STA. 6+831.665 RT, T-4, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - II

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - PLACE 100 mm OF COMPACTED COLD PLANE GRINDINGS ON THE EXISTING GRAVEL PULLOUT AND PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

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

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 6+500.0 - STA. 6+506.7 LT (6.7 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 6+506.7 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 6+500.0 - STA. 6+517.0 (17.0 m)

PAVING PROJECT LAYOUT

22

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	/pave/01b024/pb024.dgn		
IPARM FILE	pb024102-1	DATE PLOTTED	\$DATE\$
PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_2327(1)S		
SHEET	31	OF	84
SHEETS			

**ARCHIVED
ON CADD**

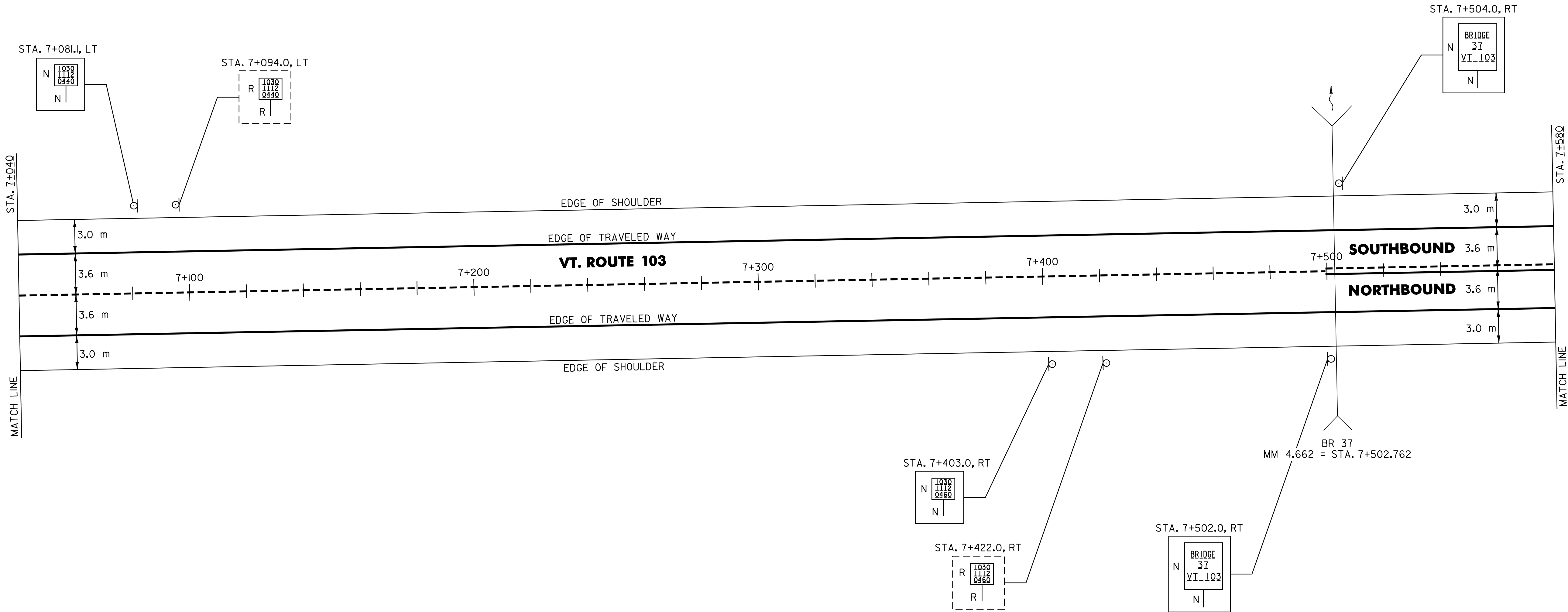
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 7+040.0 - STA. 7+580.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 7+040.0 - STA. 7+580.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 7+040.0 - STA. 7+499.5 LT C
STA. 7+499.5 - STA. 7+580.0 D - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 7+040.0 - STA. 7+499.5 LT C
STA. 7+499.5 - STA. 7+580.0 D - S

675.50 REMOVING SIGNS
AS SHOWN - 2



NOTE:

I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PAVING
PROJECT
LAYOUT
23

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. dpave/01b024/pb024.dgn
IPARM pb024123J DATE \$DATE\$
FILE PLOTTED
PROJ. NAME LOWDOWN - MI. HOLLY
PROJ. NO. NH_232111S
SHEET 32 OF 84 SHEETS _____

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 7+580.0 - STA. 8+120.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 7+580.0 - STA. 8+120.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

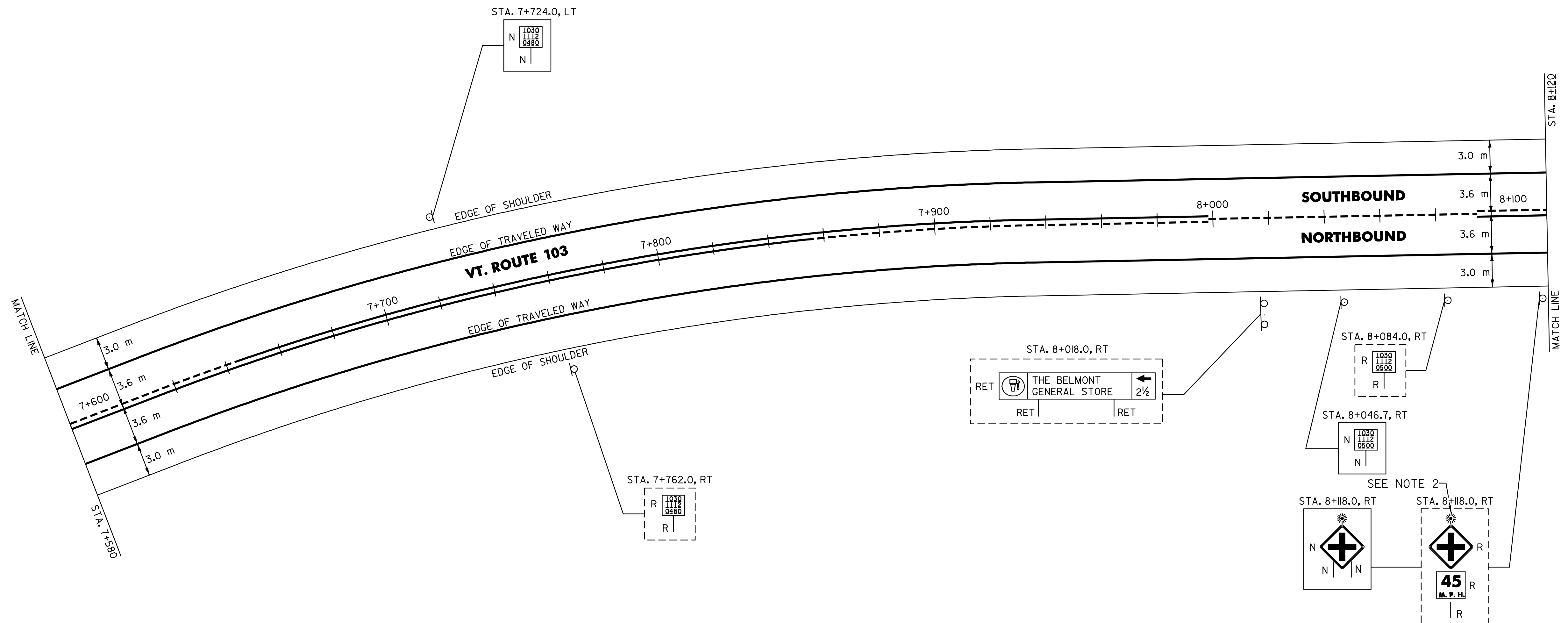
MT. HOLLY:
STA. 7+580.0 - STA. 7+644.4 LT C RT
STA. 7+644.4 - STA. 7+853.6 D - S
STA. 7+853.6 - STA. 7+998.4 S - D
STA. 7+998.4 - STA. 8+095.0 - 8+143 - D - S
STA. 8+095.0 - STA. 8+120.0 D - S

BB 12/13/04

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 7+580.0 - STA. 7+644.4 LT C RT
STA. 7+644.4 - STA. 7+853.6 D - S
STA. 7+853.6 - STA. 7+998.4 S - D
STA. 7+998.4 - STA. 8+095.0 - D - S
STA. 8+095.0 - STA. 8+120.0 D - S

675.50 REMOVING SIGNS
AS SHOWN - 4



- NOTE:
1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 2. REMOVE EXISTING FLASHING BEACON AND INSTALL ON NEW SIGN ASSEMBLY. THIS WORK TO BE PAID FOR AS ITEM 676.16 FLASHING BEACON-GROUND MOUNTED (MOD.)

SIGN LEGEND

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

**PAVING
PROJECT
LAYOUT
24**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/01b024/pb024.dgn
IPARM pb024/24.1 DATE \$DATE\$
FILE PLOTTED
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_2327(I)S
SHEET 33 OF 84 SHEETS _____

**ARCHIVED
ON CADD**

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 8+120.0 - STA. 8+660.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 8+120.0 - STA. 8+660.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 8+120.0 - STA. 8+352.0 LT Q RT
STA. 8+352.0 - STA. 8+660.0 D - S
STA. 8+495.727 DOUBLE SOLID LT, T-I
STA. 8+495.727 DOUBLE SOLID RT, T-I

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 8+120.0 - STA. 8+352.0 LT Q RT
STA. 8+352.0 - STA. 8+660.0 D - S
STA. 8+495.727 DOUBLE SOLID LT, T-I
STA. 8+495.727 DOUBLE SOLID RT, T-I

646.46 DURABLE 600 mm STOP BAR
MT. HOLLY:
STA. 8+495.727 LT, T-I
STA. 8+495.727 RT, T-I

646.66 TEMPORARY 600 mm STOP BAR
MT. HOLLY:
STA. 8+495.727 LT, T-I
STA. 8+495.727 RT, T-I

646.50 DURABLE LETTER OR SYMBOL
MT. HOLLY:
STA. 8+495.727 LT, T-I, "S,T,O,P" (4 EA)
STA. 8+495.727 RT, T-I, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL
MT. HOLLY:
STA. 8+495.727 LT, T-I, "S,T,O,P" (4 EA)
STA. 8+495.727 RT, T-I, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
AS SHOWN - 25

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2

STA. 8+509.0, LT
LEGAL LOAD LIMIT 24,000 POUNDS
R

STA. 8+509.0, LT
LEGAL LOAD LIMIT 24,000 POUNDS
N

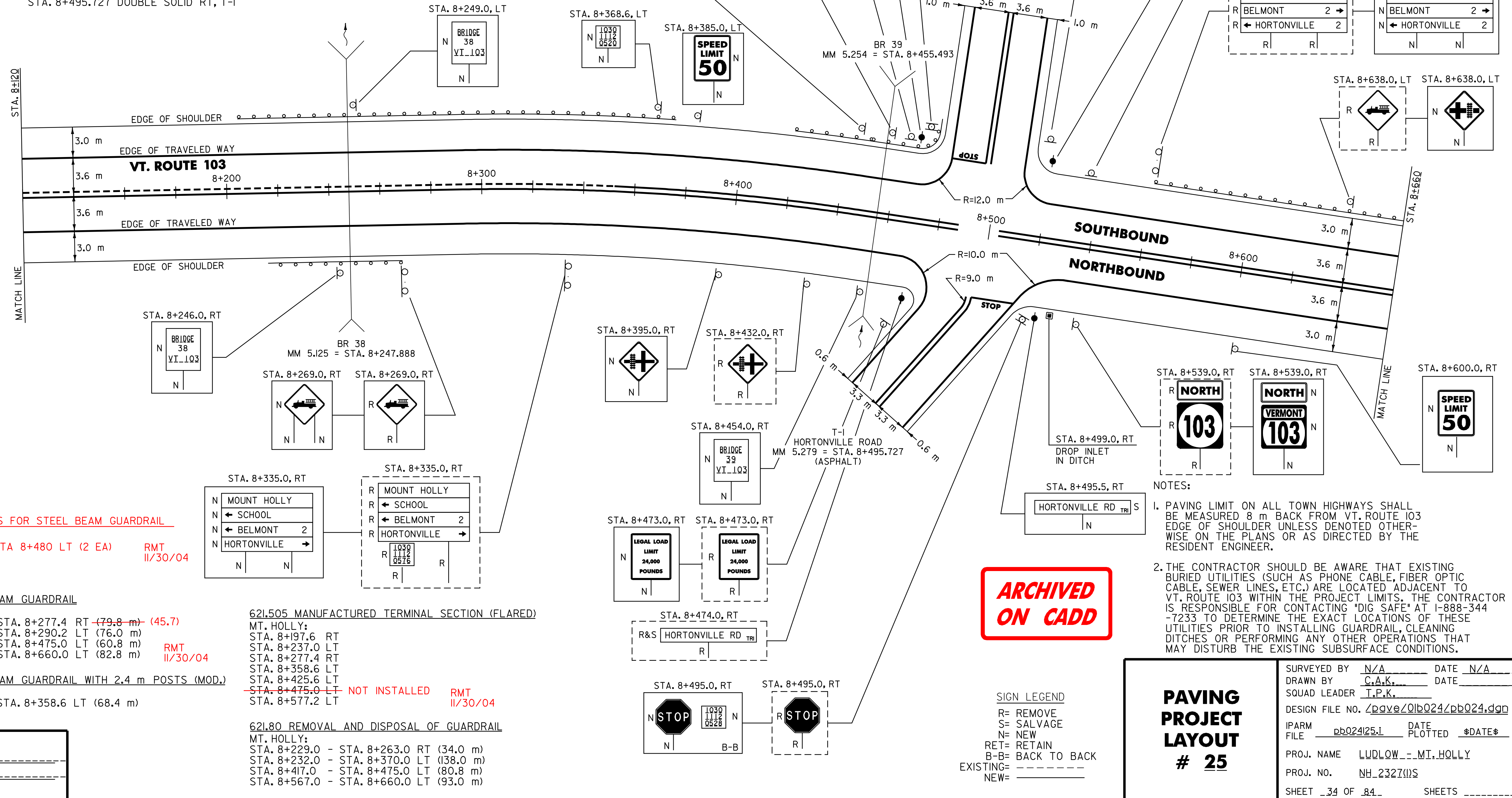
STA. 8+510.0, LT
R&S BELMONT RD
R

STA. 8+517.0, LT
R
STA. 8+517.0, LT
N

STA. 8+561.0, LT
R MOUNT HOLLY
R SCHOOL
R BELMONT 2
R HORTONVILLE 2
R

STA. 8+561.0, LT
N MOUNT HOLLY
N SCHOOL
N BELMONT 2
N HORTONVILLE 2
N

STA. 8+638.0, LT
R
STA. 8+638.0, LT
N



621.60 ANCHORS FOR STEEL BEAM GUARDRAIL
MT HOLLY
STA 8+476 & STA 8+480 LT (2 EA) RMT II/30/04

STA 8+231.7
621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 8+197.6 - STA. 8+277.4 RT (79.8 m) (45.7)
STA. 8+214.2 - STA. 8+290.2 LT (76.0 m)
STA. 8+425.6 - STA. 8+475.0 LT (60.8 m)
STA. 8+577.2 - STA. 8+660.0 LT (82.8 m) RMT II/30/04

621.20 STEEL BEAM GUARDRAIL WITH 2.4 m POSTS (MOD.)
MT. HOLLY:
STA. 8+290.2 - STA. 8+358.6 LT (68.4 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 8+197.6 RT
STA. 8+237.0 LT
STA. 8+277.4 RT
STA. 8+358.6 LT
STA. 8+425.6 LT
STA. 8+475.0 LT NOT INSTALLED
STA. 8+577.2 LT RMT II/30/04

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 8+229.0 - STA. 8+263.0 RT (34.0 m)
STA. 8+232.0 - STA. 8+370.0 LT (138.0 m)
STA. 8+417.0 - STA. 8+475.0 LT (80.8 m)
STA. 8+567.0 - STA. 8+660.0 LT (93.0 m)

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ARCHIVED
ON CADD

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

NOTES:
1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

PAVING PROJECT LAYOUT # 25	SURVEYED BY	N/A	DATE	N/A
	DRAWN BY	C.A.K.	DATE	
	SQUAD LEADER	T.P.K.		
	DESIGN FILE NO.	/page/01b024/pb024.dgn		
	IPARM FILE	pb024125-1	DATE PLOTTED	\$DATE\$
	PROJ. NAME	LUDLOW - MT. HOLLY		
	PROJ. NO.	NH_2321115		
	SHEET	34	OF	84
	SHEETS			

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 8+660.0 - STA. 9+200.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 8+660.0 - STA. 9+200.0, LT & RT

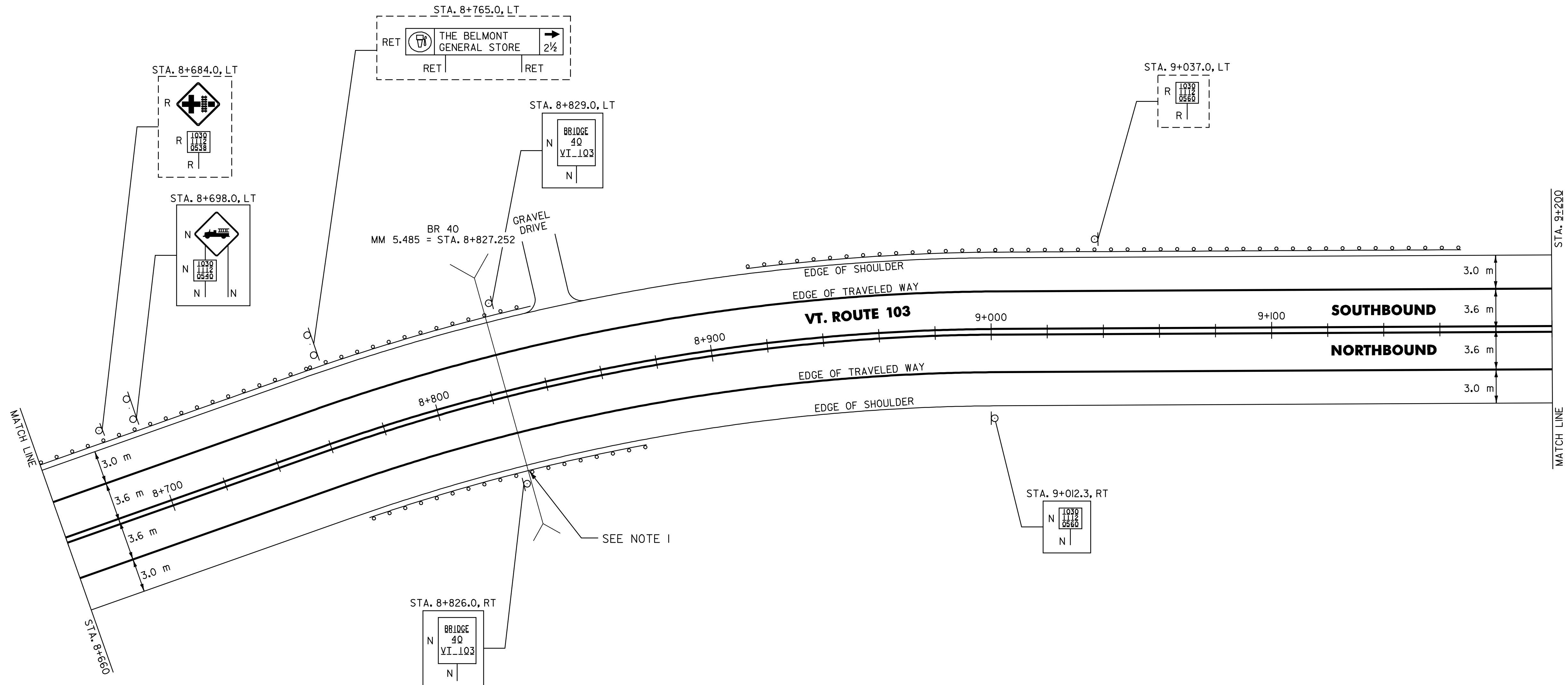
646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 8+660.0 - STA. 9+200.0 LT CL RT
S - - S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 8+660.0 - STA. 9+200.0 LT CL RT
S - - S

675.50 REMOVING SIGNS
AS SHOWN - 3



621.20 STEEL BEAM GUARDRAIL

MT. HOLLY:
STA. 8+660.0 - STA. 8+835.6 LT (175.6 m)
STA. 8+777.9 - STA. 8+857.7 RT (79.8 m)
~~STA. 8+927.4 - STA. 9+151.6 LT (224.2 m)~~ (217.2m)
STA. 8+920.4

RMT
11/30/04

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

MT. HOLLY:
STA. 8+777.9 RT
STA. 8+835.6 RT
~~STA. 8+857.7 LT~~ NOT INSTALLED
STA. 8+927.4 LT
STA. 9+151.6 LT

RMT
11/30/04

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

MT. HOLLY:
STA. 8+660.0 - STA. 8+847.0 LT (187.0 m)
STA. 8+797.0 - STA. 8+843.0 RT (46.0 m)
STA. 8+917.0 - STA. 9+162.0 LT (245.0 m)

601.0915 450mm CPEP RMT 11/30/04

MT HOLLY
STA 8+840 ~ STA 8+846 RT (6.10m)

621.60 ANCHOR FOR STEEL BEAM GUARDRAIL

MT HOLLY
STA 8+842 LT (1EA) RMT 11/30/04

**ARCHIVED
ON CADD**

SIGN LEGEND

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

NOTES:

- SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

DATUM
VERTICAL N/A
HORIZONTAL N/A

**PAVING
PROJECT
LAYOUT
26**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. dpave01b024/pb024.dgn
IPARM pb024126.1 DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232711S
SHEET 35 OF 84 SHEETS _____

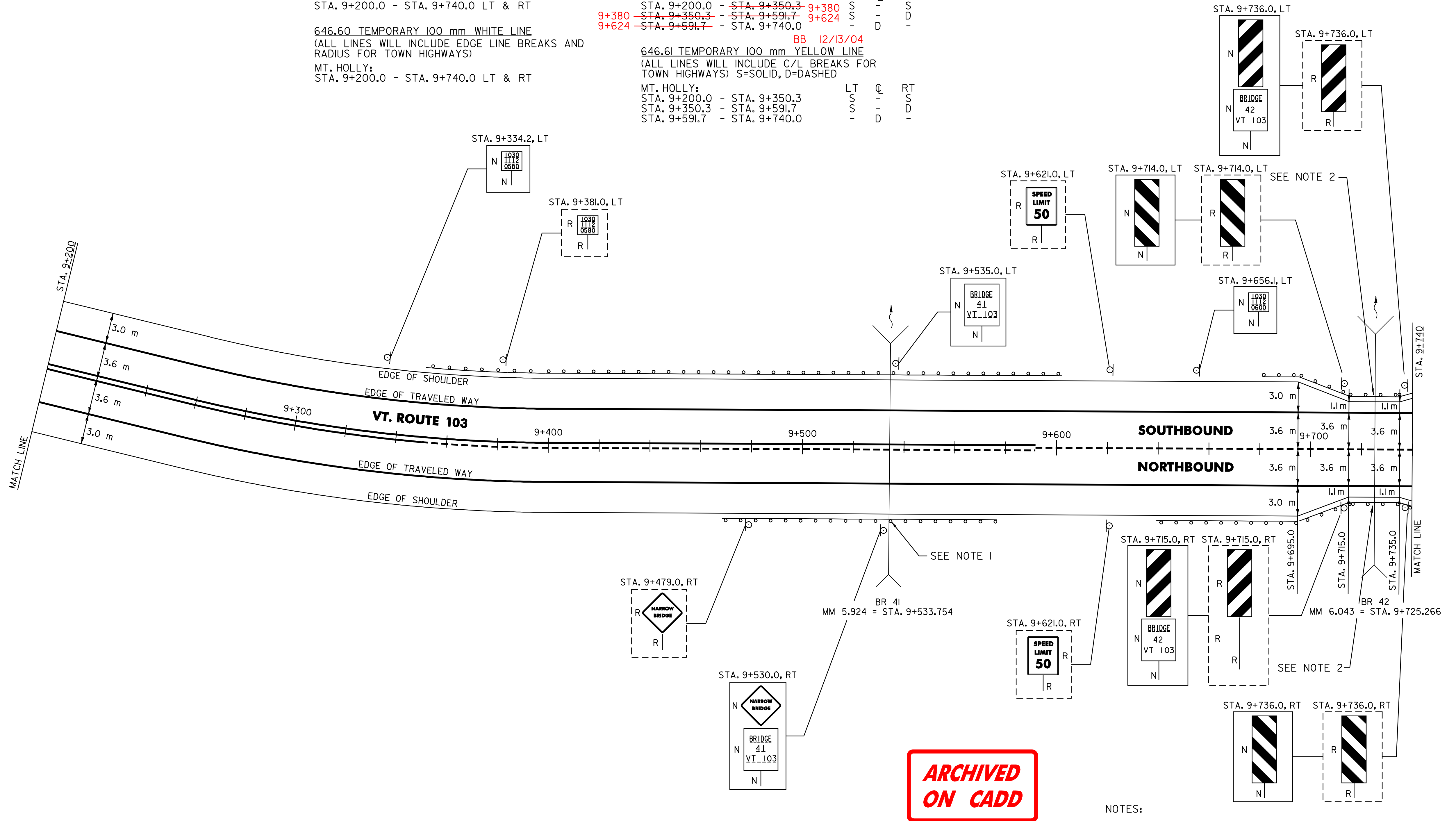
646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 9+200.0 - STA. 9+740.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 9+200.0 - STA. 9+740.0 LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 9+200.0 - STA. 9+350.3 LT S -
STA. 9+350.3 - STA. 9+591.7 RT S -
STA. 9+591.7 - STA. 9+740.0 RT D -

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 9+200.0 - STA. 9+350.3 LT S -
STA. 9+350.3 - STA. 9+591.7 RT S -
STA. 9+591.7 - STA. 9+740.0 RT D -

675.50 REMOVING SIGNS
AS SHOWN - 8



525.10 REMOVAL OF EXISTING RAILING

MT. HOLLY:
STA. 9+714.8 - STA. 9+735.7 LT (20.9 m)
STA. 9+714.8 - STA. 9+735.7 RT (20.9 m)

525.41 BRIDGE RAIL - H.D. STEEL BEAM/ FASCIA MTD. (MOD. 1)

MT. HOLLY:
STA. 9+714.8 - STA. 9+735.7 LT (20.9 m)

525.41 BRIDGE RAIL - H.D. STEEL BEAM/ FASCIA MTD. (MOD. 2)

MT. HOLLY:
STA. 9+714.8 - STA. 9+735.7 RT (20.9 m)

621.20 STEEL BEAM GUARDRAIL

MT. HOLLY:
STA. 9+362.8 - STA. 9+583.2 LT (220.4 m) RMT
STA. 9+484.6 - STA. 9+564.4 RT (79.8 m) II/30/04
STA. 9+659.7 - STA. 9+705.3 RT (45.6 m) (30.5m)
STA. 9+695.8 - STA. 9+707.2 LT (11.4 m)
STA. 9+674.8

621.21 HEAVY DUTY STEEL BEAM GUARDRAIL

MT. HOLLY:
STA. 9+705.3 - STA. 9+714.8 RT (9.5 m)
STA. 9+707.2 - STA. 9+714.8 LT (7.6 m)
STA. 9+735.7 - STA. 9+740.0 RT (4.3 m)
STA. 9+735.7 - STA. 9+740.0 LT (4.3 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

MT. HOLLY:
STA. 9+362.8 LT
STA. 9+484.6 RT STA 9+523.0 RT
STA. 9+564.4 RT STA 9+546.0 RT
STA. 9+583.2 LT
STA. 9+659.7 RT STA 9+674.8 RT
STA. 9+695.8 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

MT. HOLLY:
STA. 9+373.0 - STA. 9+568.0 LT (195.0 m)
STA. 9+511.0 - STA. 9+556.0 RT (45.0 m)
STA. 9+665.0 - STA. 9+714.8 RT (49.8 m)
STA. 9+692.0 - STA. 9+714.8 LT (22.8 m)
STA. 9+735.7 - STA. 9+740.0 RT (4.3 m)
STA. 9+735.7 - STA. 9+740.0 LT (4.3 m)

SIGN LEGEND

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

NOTES:

- SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.
- SEE SHEETS 80 AND 83 OF 84 FOR BR 42 DETAILS.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

**PAVING
PROJECT
LAYOUT
27**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. /pave/01b024/pb024.dgn
IPARM pb024i27.i DATE \$DATE\$
FILE PLOTTED
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232711S
SHEET 36 OF 84 SHEETS _____

STA 9+523 ~ STA 9+546 RT

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 9+740.0 - STA. 10+280.0 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 9+740.0 - STA. 10+280.0 LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 9+740.0 - STA. 9+752.0 9+771 LT Q RT
9+771 STA. 9+752.0 - STA. 9+900.0 10+017 D - S
10+017 STA. 9+900.0 - STA. 10+280.0 S - S

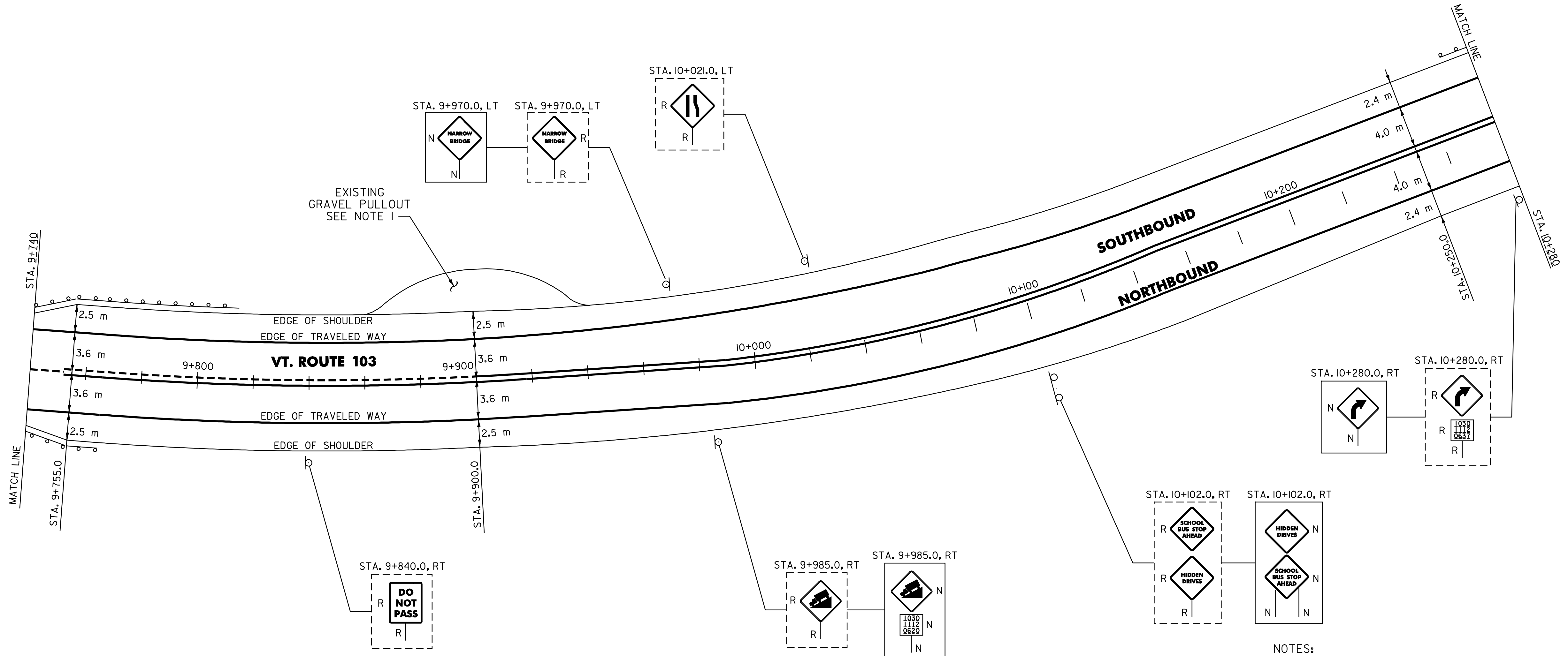
BB 12/13/04

675.50 REMOVING SIGNS

AS SHOWN - 8

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 9+740.0 - STA. 9+752.0 LT Q RT
STA. 9+752.0 - STA. 9+900.0 D - S
STA. 9+900.0 - STA. 10+280.0 S - S



NOTES:

1. PROVIDE A 30 mm TYPE IVS 1.5 m WIDE APRON. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID UNDER ITEM 608.25.

2. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

**ARCHIVED
ON CADD**

SIGN LEGEND

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

**PAVING
PROJECT
LAYOUT
28**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. page01b024/pb024.dgn
IPARM pb02428.1 DATE \$DATE\$
FILE PLOTTED
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_23271115
SHEET 37 OF 84 SHEETS _____

621.20 STEEL BEAM GUARDRAIL **RMT 11/30/04**

MT. HOLLY:
STA. 9+743.3 - STA. 9+754.7 RT (11.4 m)
STA. 9+745.2 - STA. 9+790.8 LT (45.6 m)
STA. 10+257.0 ~ STA. 10+280.0 LT (23.0 m)

621.21 HEAVY DUTY STEEL BEAM GUARDRAIL

MT. HOLLY:
STA. 9+740.0 - STA. 9+743.3 RT (3.3 m)
STA. 9+740.0 - STA. 9+745.2 LT (5.2 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

MT. HOLLY:
STA. 9+745.7 RT
STA. 9+790.8 LT **RMT 11/30/04**
STA. 10+257.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

MT. HOLLY:
STA. 9+740.0 - STA. 9+761.0 RT (21.0 m)
STA. 9+740.0 - STA. 9+800.0 LT (60.0 m)
STA. 10+271.0 - STA. 10+280.0 LT (9.0 m)

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 10+280.0 - STA. 10+820.0 LT & RT

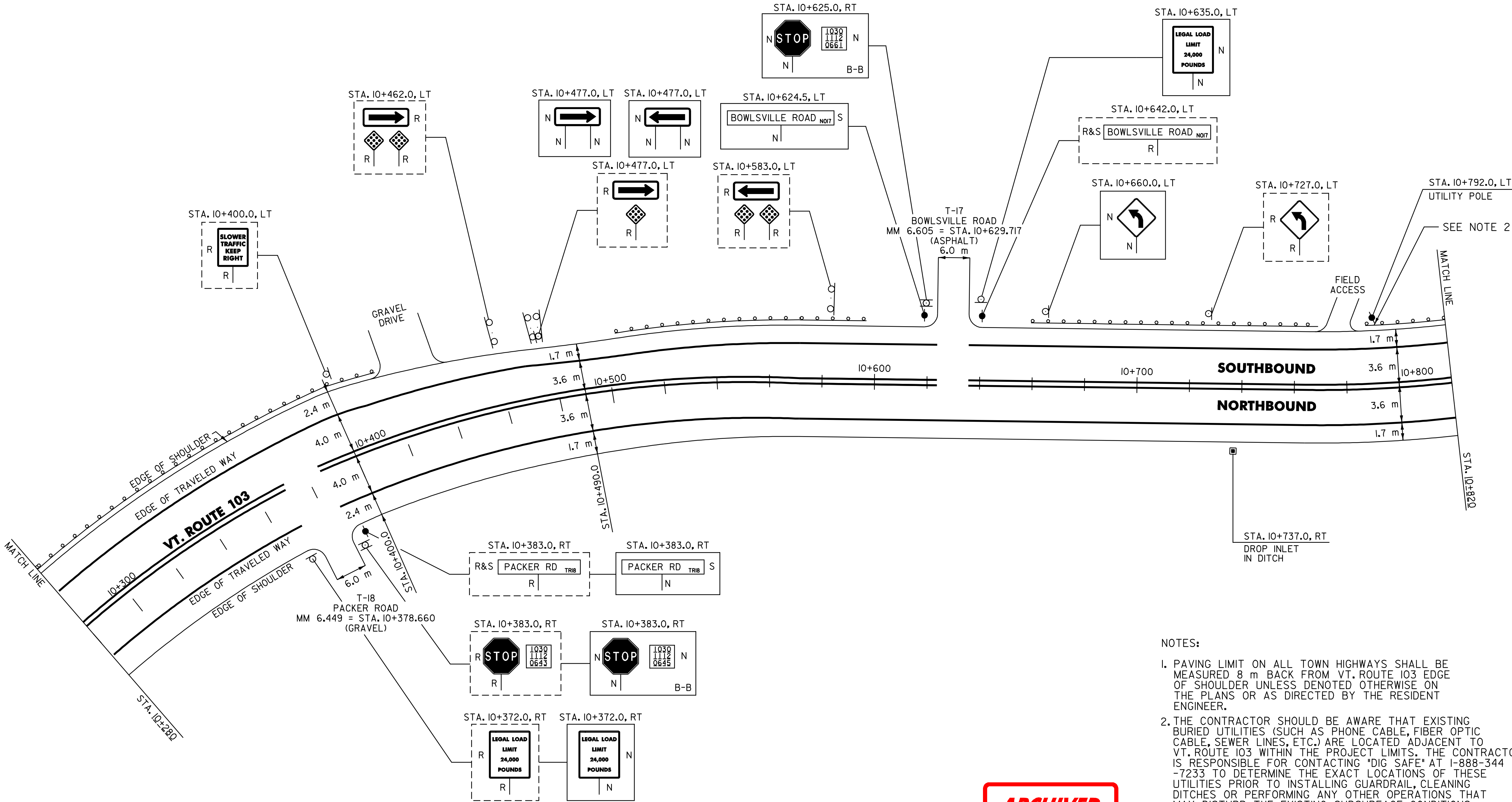
646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MT. HOLLY:
STA. 10+280.0 - STA. 10+820.0 LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 10+280.0 - STA. 10+820.0 LT S - RT S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
MT. HOLLY:
STA. 10+280.0 - STA. 10+820.0 LT S - RT S

675.50 REMOVING SIGNS
AS SHOWN - 15

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

**ARCHIVED
ON CADD**

621.20 STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 10+280.2 - STA. 10+405.6 LT (125.4 m)
STA. 10+510.7 - STA. 10+575.3 LT (64.6 m)
STA. 10+664.8 - STA. 10+763.6 LT (98.8 m)
STA. 10+794.4 - STA. 10+820.0 LT (25.6 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
STA. 10+280.2 LT - MOVED TO EXTEND GUARDRAIL SEE SHEET #37 OF #84
STA. 10+405.6 LT
STA. 10+510.7 LT
STA. 10+575.3 LT
STA. 10+664.8 LT
STA. 10+763.6 LT - NOT INSTALLED
STA. 10+794.4 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 10+280.0 - STA. 10+417.0 LT (137.0 m)
STA. 10+500.0 - STA. 10+586.0 LT (86.0 m)
STA. 10+659.0 - STA. 10+775.0 LT (116.0 m)
STA. 10+783.0 - STA. 10+820.0 LT (37.0 m)

621.60 ANCHOR FOR STEEL BEAM GUARDRAIL
MT. HOLLY:
STA. 10+764 LT (1EA)

RMT
11/30/04

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

**PAVING
PROJECT
LAYOUT
29**

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	/pave/01b024/pb024.dgn		
IPARM FILE	pb024129.i	DATE PLOTTED	\$DATE\$
PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_2327(I)S		
SHEET	38 OF 84	SHEETS	

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 10+820.0 - STA. 11+360.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. 10+820.0 - STA. 11+360.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

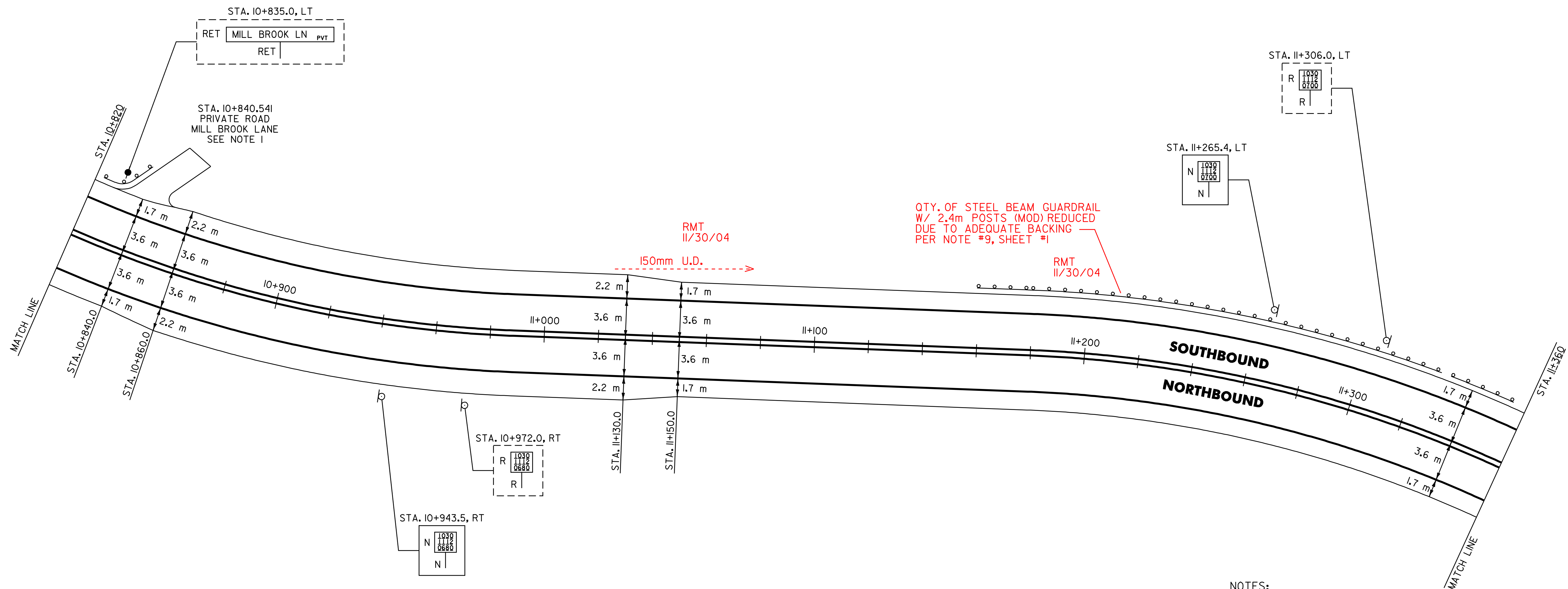
MT. HOLLY:
STA. 10+820.0 - STA. 11+360.0 LT S - RT S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. 10+820.0 - STA. 11+360.0 LT S - RT S

675.50 REMOVING SIGNS

AS SHOWN - 2



NOTES:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
2. PROVIDE A 30 mm TYPE IVS 5 m WIDE APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 210.10 OR 608.25.

**ARCHIVED
ON CADD**

ADD TO 621.20 ~ STEEL BEAM G.R.

STA 11+164.0 ~ STA 11+203.8 LT (39.8m)
STA 11+289.4 ~ STA 11+344.9 LT (55.5m)

621.20 STEEL BEAM GUARDRAIL RMT 11/30/04
MT. HOLLY:
STA. 10+820.0 - STA. 10+840.0 LT (20.0 m)

621.20 STEEL BEAM GUARDRAIL WITH 2.4 m POSTS (MOD.)
MT. HOLLY:
~~STA. 11+164.0 ~ STA. 11+342.6 LT (178.6 m)~~
STA 11+203.8 ~ STA 11+289.4 LT (83.8m) RMT 11/30/04

605.10 150mm UNDERDRAIN RMT 11/30/04
MT HOLLY
STA 11+025 ~ STA 11+077 LT (51.2m)

621.60 ANCHOR FOR STEEL BEAM GUARDRAIL RMT 11/30/04
MT HOLLY
STA 10+822 LT (1EA)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
MT. HOLLY:
~~STA. 10+840.0 LT NOT INSTALLED~~
STA. 11+164.0 LT
STA. 11+342.6 LT RMT 11/30/04

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
MT. HOLLY:
STA. 10+820.0 - STA. 10+850.0 LT (30.0 m)
STA. 11+155.0 - STA. 11+354.0 LT (199.0 m)

SIGN LEGEND

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

**PAVING
PROJECT
LAYOUT
30**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. z:pave/01b024/pb024.dgn
IPARM pb024130.1 DATE
FILE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232711S
SHEET 39 OF 84 SHEETS

DATUM
VERTICAL N/A
HORIZONTAL N/A

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. II+360.0 - STA. II+900.0, LT & RT

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

MT. HOLLY:
STA. II+360.0 - STA. II+900.0, LT & RT

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MT. HOLLY:
STA. II+360.0 - STA. II+900.0 LT S - RT S

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

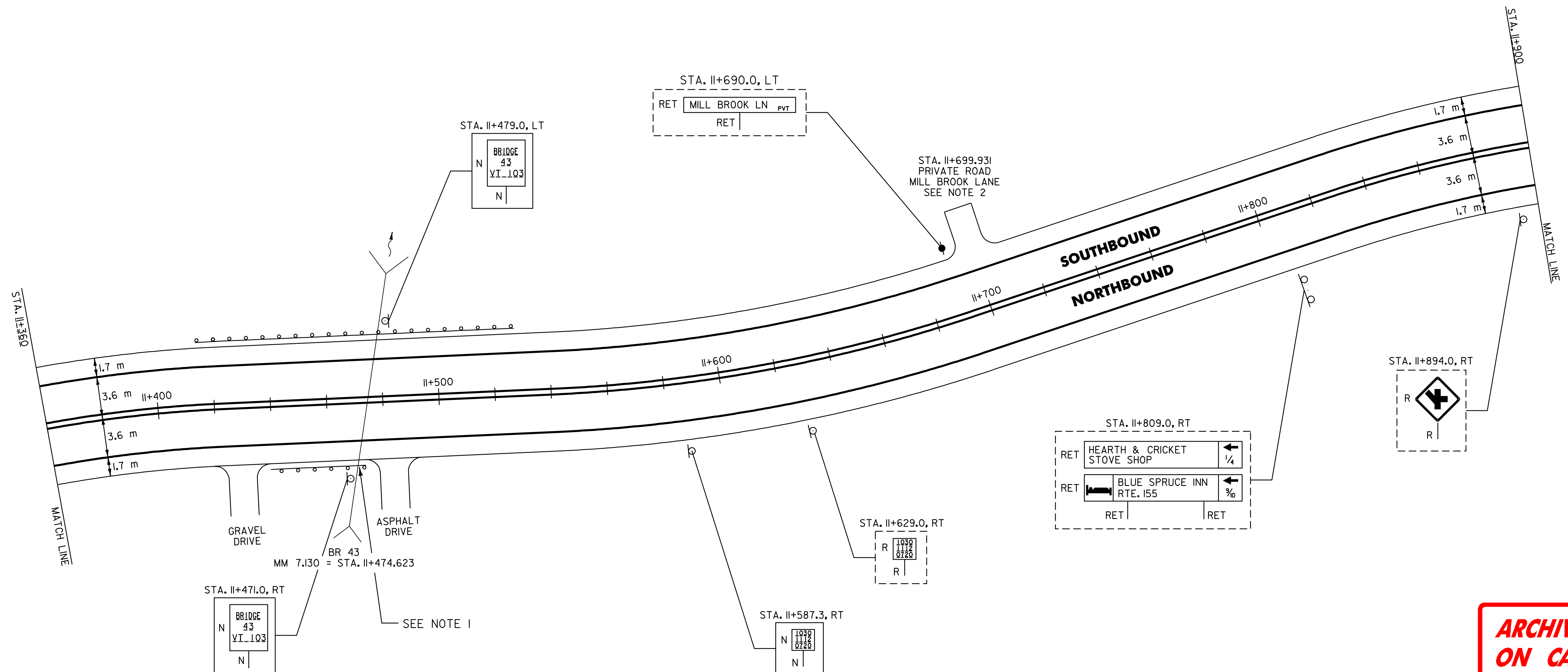
MT. HOLLY:
STA. II+360.0 - STA. II+900.0 LT S - RT S

675.50 REMOVING SIGNS

AS SHOWN - 2

NOTES:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING 'DIG SAFE' AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
2. PROVIDE A 30 mm TYPE IVS 5 m WIDE APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 210.10 OR 608.25.
3. SEE SHEET 84 OF 84 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL.



621.20 STEEL BEAM GUARDRAIL

MT. HOLLY:
STA. II+424.6 - STA. II+508.2 LT (83.6 m)
~~STA. II+448.6 - STA. II+475.2 RT (26.6 m)~~ RMT II/30/04

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

MT. HOLLY:
STA. II+424.6 LT
STA. II+448.6 RT
~~STA. II+475.2 RT~~ NOT INSTALLED RMT II/30/04
STA. II+508.2 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

MT. HOLLY:
STA. II+414.0 - STA. II+497.0 LT (83.0 m)
STA. II+445.0 - STA. II+479.0 RT (34.0 m)

621.20 STEEL BEAM GUARDRAIL W/2.4m POSTS

MT. HOLLY:
STA. II+448.6 ~ STA. II+471.5 RT (22.9m) RMT II/30/04

621.60 ANCHOR FOR STEEL BEAM GUARDRAIL

MT. HOLLY:
STA. II+474 RT (1EA) RMT II/30/04

601.0915 450mm CPEP

MT. HOLLY:
STA. II+445 ~ II+436 RT (9.15m) RMT II/30/04

SIGN LEGEND

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

**PAVING
PROJECT
LAYOUT
31**

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE N/A
SQUAD LEADER T.P.K.
DESIGN FILE NO. zpgvz01b024/pb024.dgn
IPARM pb024131 DATE 11/12/07 PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MT. HOLLY
PROJ. NO. NH_232711S
SHEET 40 OF 84 SHEETS -----

**ARCHIVED
ON CADD**

DATUM
VERTICAL N/A
HORIZONTAL N/A

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. pgve/0lb024/pb024.dgn
IPARM DATE
FILE pb024i32i PLOTTED \$DATE\$
PROJ. NAME LULOW -- MT. HOLLY
PROJ. NO. NH 2327(IIS)
SHEET 41 OF 84 SHEETS _____

646.40 DURABLE 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

LUDLOW:
STA. 6+305.0 - STA. 6+620.0, LT & RT
STA. 6+360.0 - STA. 6+420.0, DASHED LINE RT
STA. 6+420.0 - STA. 6+520.0, LANE LINE 3.6 m RT
STA. 6+530.0 - STA. 6+600.0, LANE LINE 3.6 m LT
STA. 6+540.0 - STA. 6+600.0, LANE LINE 3.6 m RT
STA. 6+590.0 - STA. 6+620.0, DASHED LINE 3.6 m RT

646.50 DURABLE LETTER OR SYMBOL
LUDLOW:
STA. 6+425.0 RT, ARROW (IEA)
STA. 6+463.1 RT, "O,N,L,Y" (4 EA)
STA. 6+490.484 LT, T-52, "S,T,O,P" (4 EA)
STA. 6+508.7 RT, ARROW (IEA)
STA. 6+532.327 VT. ROUTE 100, "S,T,O,P" (4 EA)
STA. 6+541.3 LT, ARROW (IEA)
STA. 6+579.4 LT, "O,N,L,Y" (4 EA)
STA. 6+610.0 LT, ARROW (IEA)

646.60 TEMPORARY 100 mm WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

LUDLOW:
STA. 6+305.0 - STA. 6+620.0, LT & RT
STA. 6+360.0 - STA. 6+420.0, DASHED LINE RT
STA. 6+420.0 - STA. 6+520.0, LANE LINE 3.6 m RT
STA. 6+530.0 - STA. 6+620.0, LANE LINE 3.6 m LT
STA. 6+540.0 - STA. 6+590.0, LANE LINE 3.6 m RT
STA. 6+590.0 - STA. 6+620.0, DASHED LINE 3.6 m RT

646.70 TEMPORARY LETTER OR SYMBOL
LUDLOW:
STA. 6+425.0 RT, ARROW (IEA)
STA. 6+466.8 RT, ARROW (IEA)
STA. 6+490.484 LT, T-52, "S,T,O,P" (4 EA)
STA. 6+508.7 RT, ARROW (IEA)
STA. 6+532.327 VT. ROUTE 100, "S,T,O,P" (4 EA)
STA. 6+541.3 LT, ARROW (IEA)
STA. 6+568.1 LT, ARROW (IEA)
STA. 6+610.0 LT, ARROW (IEA)

646.41 DURABLE 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

LUDLOW:
STA. 6+305.0 - STA. 6+365.0 DOUBLE SOLID LT & RT (MEDIAN TAPER)
STA. 6+365.0 - STA. 6+480.0 SOLID LINE LT & RT (RAISED ISLAND)
STA. 6+490.484 DOUBLE SOLID LT, T-52
STA. 6+498.0 - STA. 6+526.0 SOLID LINE LT & RT (RAISED ISLAND)
STA. 6+532.327 SOLID LINE RT, (RAISED ISLAND), VT. ROUTE 100
STA. 6+532.327 MEDIAN TAPER RT, VT. ROUTE 100
STA. 6+535.0 - STA. 6+620.0 SOLID LINE LT & RT (RAISED ISLAND)

646.61 TEMPORARY 100 mm YELLOW LINE
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

LUDLOW:
STA. 6+305.0 - STA. 6+365.0 DOUBLE SOLID LT & RT (MEDIAN TAPER)
STA. 6+365.0 - STA. 6+480.0 SOLID LINE LT & RT (RAISED ISLAND)
STA. 6+490.484 DOUBLE SOLID LT, T-52
STA. 6+498.0 - STA. 6+526.0 SOLID LINE LT & RT (RAISED ISLAND)
STA. 6+532.327 DOUBLE SOLID LINE RT, VT. ROUTE 100
STA. 6+532.327 MEDIAN TAPER RT, VT. ROUTE 100
STA. 6+535.0 - STA. 6+620.0 SOLID LINE LT & RT (RAISED ISLAND)

646.43 DURABLE 200 mm YELLOW LINE
LUDLOW:
STA. 6+305.0 - STA. 6+365.0 HATCHED MEDIAN (306.0 m)

646.46 DURABLE 600 mm STOP BAR
LUDLOW:
STA. 6+490.484 LT, T-52
STA. 6+532.327 RT, VT. ROUTE 100

646.66 TEMPORARY 600 mm STOP BAR
LUDLOW:
STA. 6+490.484 LT, T-52
STA. 6+532.327 RT, VT. ROUTE 100

646.81 PAINTED CURB
LUDLOW:
STA. 6+365.0 - STA. 6+480.0 LT & RT, RAISED ISLAND
STA. 6+500.0 - STA. 6+527.0 LT & RT, RAISED ISLAND
STA. 6+540.0 - STA. 6+620.0 LT & RT, RAISED ISLAND

675.50 REMOVING SIGNS
AS SHOWN - 38

676.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

604.412 REHABING DI(LUDLOW) 9/9/04
STA 6+366.0 RT RMT

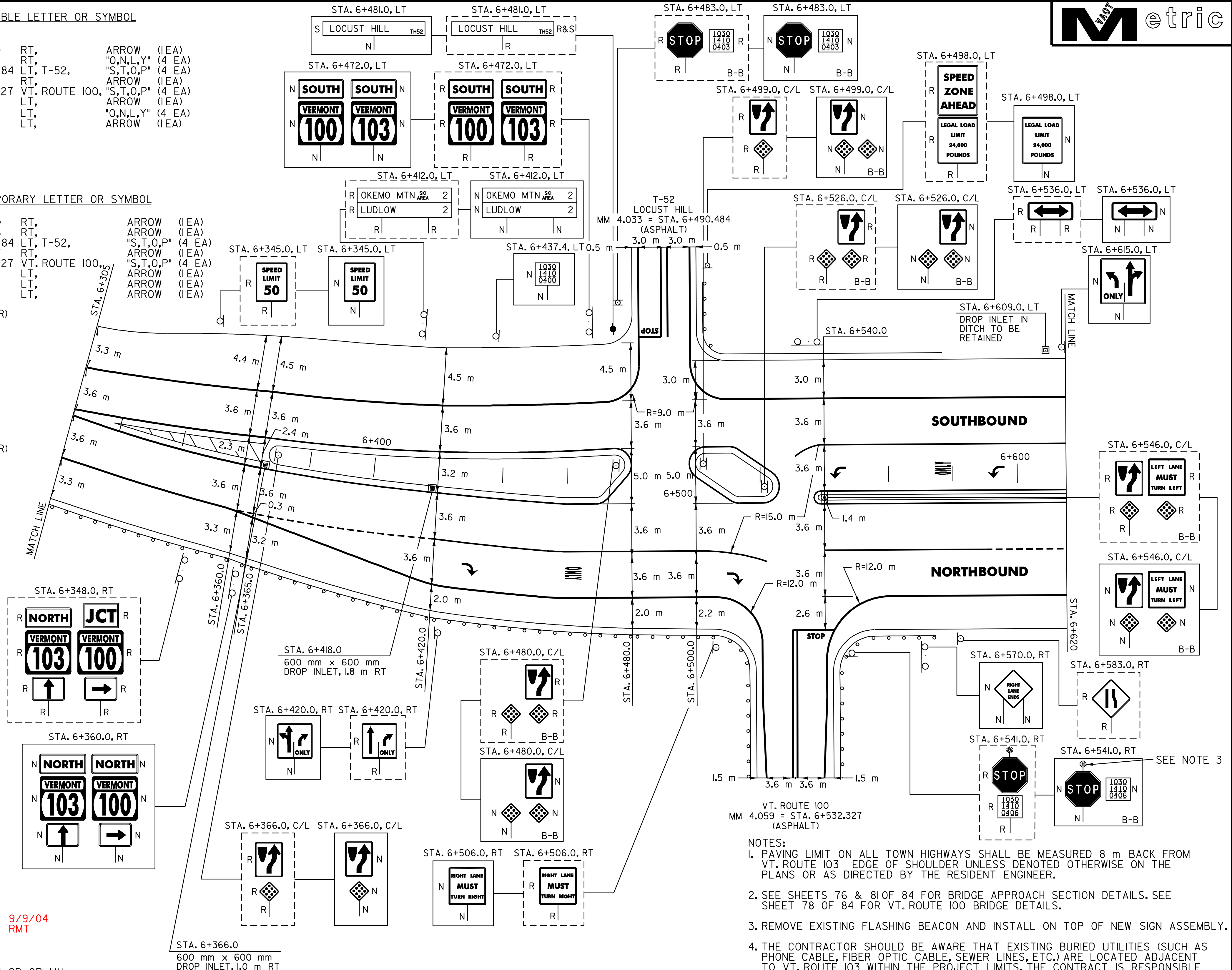
604.40 CHANGE ELEVATION OF DI,CB OR MH
LUDLOW:
STA. 6+366.0 RT 9/9/04
STA. 6+418.0 RT RMT

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 6+305.0 - STA. 6+520.3 RT (215.3 m)
STA. 6+497.0 - STA. 6+561.6 LT (68.4 m)
STA. 6+544.7 - STA. 6+563.7 RT (19.0 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 6+497.0 LT NOT INSTALLED RMT
STA. 6+563.7 RT 11/30/04
STA. 6+561.6 LT

621.70 GUARDRAIL APPROACH SECTION, TYPE I
LUDLOW:
STA. 6+520.3 - STA. 6+526.0 RT (IEA)
STA. 6+539.0 - STA. 6+544.7 RT (IEA)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 6+305.0 - STA. 6+526.0 RT (232.4 m)
STA. 6+497.0 - STA. 6+571.0 LT (89.2 m)
STA. 6+539.0 - STA. 6+571.0 LT (43.4 m) RMT
RT 11/30/04



- NOTES:**
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 103 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - SEE SHEETS 76 & 81 OF 84 FOR BRIDGE APPROACH SECTION DETAILS. SEE SHEET 78 OF 84 FOR VT. ROUTE 100 BRIDGE DETAILS.
 - REMOVE EXISTING FLASHING BEACON AND INSTALL ON TOP OF NEW SIGN ASSEMBLY.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACT IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

SIGN LEGEND

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

T-52 AND VT. ROUTE 100 INTERSECTION DETAIL SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. 20024133.L
IPARM FILE 20024133.L DATE PLOTTED 04/06/04
PROJ. NAME LUDLOW - VT. ROUTE 100
PROJ. NO. NH_232711S
SHEET 42 OF 84 SHEETS _____

**ARCHIVED
ON CADD**

DATUM
VERTICAL N/A
HORIZONTAL N/A

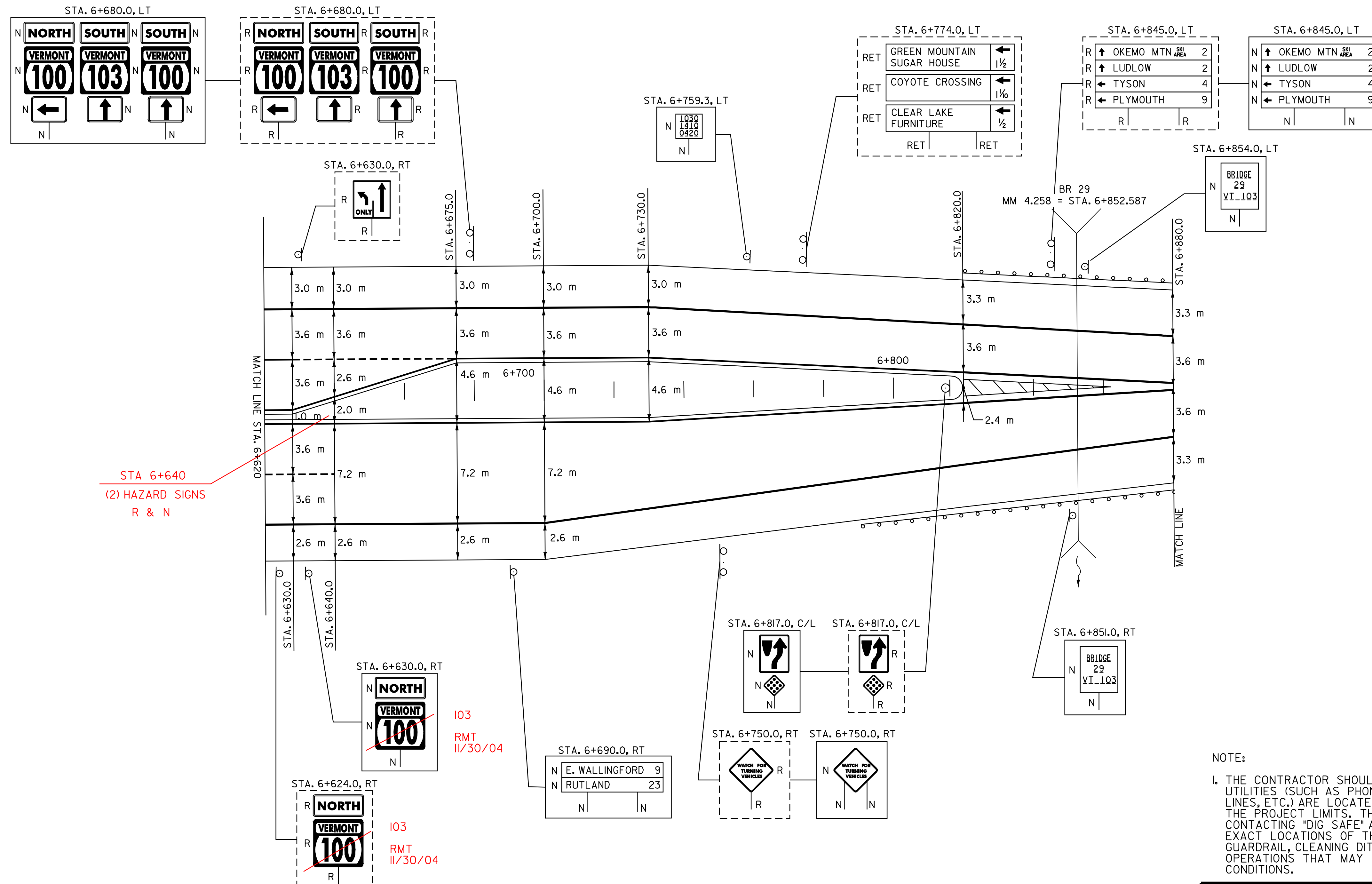
LUDLOW:
STA. 6+620.0 - STA. 6+880.0, LT & RT
STA. 6+620.0 - STA. 6+630.0, LANE LINE LT
STA. 6+620.0 - STA. 6+640.0, DASHED LINE RT
STA. 6+630.0 - STA. 6+675.0, DASHED LINE LT

LUDLOW:
STA. 6+620.0 - STA. 6+880.0, LT & RT
STA. 6+620.0 - STA. 6+630.0, LANE LINE LT
STA. 6+620.0 - STA. 6+640.0, DASHED LINE RT
STA. 6+630.0 - STA. 6+675.0, DASHED LINE LT

LUDLOW: LT C RT
STA. 6+620.0 - STA. 6+820.0 SOLID LINE LT & RT (RAISED ISLAND)
STA. 6+820.0 - STA. 6+880.0 DOUBLE SOLID LT & RT (MEDIAN TAPER)

LUDLOW: LT C RT
STA. 6+620.0 - STA. 6+820.0 SOLID LINE LT & RT (RAISED ISLAND)
STA. 6+820.0 - STA. 6+880.0 DOUBLE SOLID LT & RT (MEDIAN TAPER)

646.81 PAINTED CURB
LUDLOW:
STA. 6+620.0 - STA. 6+820.0 LT & RT, RAISED ISLAND



**ARCHIVED
ON CADD**

I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, SEWER LINES, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 103 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

DATUM _____
VERTICAL N/A _____
HORIZONTAL N/A _____

621.20 STEEL BEAM GUARDRAIL
LUDLOW:
STA. 6+807.4 - STA. 6+875.8 RT (68.4 m)
STA. 6+826.4 - STA. 6+880.0 LT (53.6 m)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
LUDLOW:
STA. 6+807.4 RT
STA. 6+826.4 LT
~~STA. 6+875.8 RT~~ NOT INSTALLED RMT 11/30/04

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
LUDLOW:
STA. 6+796.0 - STA. 6+885.0 RT (89.0 m)
STA. 6+832.0 - STA. 6+880.0 LT (48.0 m)

SIGN LEGEND

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

T-5 AND VT. ROUTE 100 INTERSECTION DETAIL SHEET

SURVEYED BY N/A DATE N/A
 DRAWN BY C.A.K. DATE _____
 SQUAD LEADER T.P.K.
 DESIGN FILE NO. cpave/0lb024/pb024.dgn
 IPARM DATE
 FILE pb02434.i PLOTTED \$DATE\$
 PROJ. NAME LUDLOW - MT. HOLLY
 PROJ. NO. NH_232711S
 SHEET 43 OF 84 SHEETS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 9



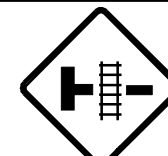
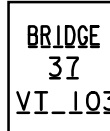
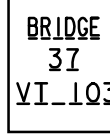
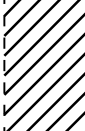
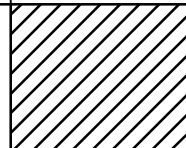
KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL							
				"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL				DETAIL ON SHEET NUMBER	STD. SHEET NUMBER						
		kg/m	44							50	63	75	100	100 MOD	FOUND- ATION	75	89	100	125	FTG. SIZE		WEIGHT	POST SIZE											
																				1.7	3.0			4.5	3.4				3.9	5.0	1.9	2.5	2.5	11.3
LUDLOW: 7+049.0, LT RT	 	I	750	750	0.56					I			X 4.0		X																	BACK-TO-BACK		E-143M E-138M
7+083.0, LT		I	900	900	0.81					2			X 8.90		X																		E-151M	
		I	150	200	0.03																												E-138M	
7+210.0, LT		I	900	900	0.81					2			X 8.80		X																		E-154M	
7+221.0, RT		I	600	750	0.45					I			X 4.2		X																		E-142M	
7+310.0, RT		I	750	750	0.56					I			X 4.8		X																75			
		I	600	450	0.27																												E-152M	
7+397.0, RT		I	600	750	0.45					I			X 3.90		X																		E-141M	
		I	150	200	0.03																												E-138M	
7+550.0, LT		I	600	750	0.45					I			X 3.90		X																		E-142M	
7+550.0, RT		I	600	750	0.45					I			X 4.30		X																		E-141M	
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."					TOTALS	m ² 4.90	m ²	EA	m ²		m	42.8	46.0	46.0	EA	kg	kg	kg	kg	kg	kg	kg	EA	EA	kg	PROJECT: LUDLOW- MT. HOLLY				PROJECT NO.: NH 2327(I)S				
											m					kg									DESIGN FILE NAME: /pave/0lb024/pb024.dgn IPARM FILE NAME: pb024+ss9.i SURVEYED BY: N/A SQUAD LEADER: D.E.G.				PLOT DATE: \$DATE\$ SURVEY DATE: N/A DRAWN BY: C.A.K. SHEET: 52 OF 84					

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS								EXIST POST RE TAIN AGE	NO. OF POST S	FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL				RE QUI RED FR AME S	REMARKS	SIGN DETAIL		
					“A”	“B”	SALV SIGN	SALV TIS	kg/m	44	50	63			ANCHOR	SUMMIT	75	100	100 MOD	FOUND- ATION	75	89	100	125	FTG. 600 mm	SIZE 750 mm	WEIGHT	POST SIZE	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER						
LUDLOW: 7+724.9, LT	✓	I	150	200	0.03	✓						I	X	X 2.90	X																		E-I38M			
8+046.7, RT	✓	I	150	200	0.03	✓						I	X	X 2.70	X																		E-I38M			
8+146.0, RT	✓	I	600	700	0.45	✓						I		X 4.0	X																		E-I41M			
8+368.6, LT	✓	I	150	200	0.03	✓						I	X	X 2.90	X																		E-I38M			
8+459.0, RT	✓	I	600	750	0.45	✓						I		X 4.00	X																		E-I41M			
8+521.0, LT	✓	I	900	900	0.81	✓						2		X 8.60	X																		E-I50M			
8+690.5, RT	✓	I	150	200	0.03	✓						I	X	X 2.70	X																		E-I38M			
8+838.0, RT	✓	I	900	900	0.81	✓						2		X 9.75	X																75					
8+990.0, RT	✓	I	900	900	0.81	✓						2		X 8.60	X																		E-I51M			
9+012.3, RT	✓	I	150	200	0.03	✓						I	X	X 2.90	X																		E-I38M			
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."					TOTALS	m ² 3.48 ✓	m ²	EA	m ²		m	23.0	m	32.2	m	23.0	m	32.2		EA	kg	49.05	kg	55.2	kg	EA	kg	EA	EA	kg	PROJECT: LUDLOW- MT. HOLLY				PROJECT NO.: NH 2327(1)S	
																																	DESIGN FILE NAME: /pave/0ib024/pb024.dgn IPARM FILE NAME: pb024tssl0.i SURVEYED BY: N/A SQUAD LEADER: D.E.G.	PLOT DATE: \$DATE\$ SURVEY DATE: N/A DRAWN BY: C.A.K. SHEET: 53 OF 84		

[illegible]

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS								NEW SIGN POSTS												REMARKS	SIGN DETAIL		
					“A”	“B”	SALV SIGN	SALV TIS	EXIST POST RETAIN	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL				DETAIL ON SHEET NUMBER
		kg/m	kg/m	kg/m							44	50	63	75	100	100 MOD	FOUND- ATION	75	89	100	125	FTG. SIZE	WEIGHT	POST SIZE				
																										1.7	3.0	
MT. HOLLY: I+650.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	I	600	750	0.45					X		X																E-I4IM
I+685.0, RT		I	300	900	0.27					X		X																E-I07M
	BRIDGE 33 VT_103	I	150	200	0.03																							E-I34M
I+685.0, LT		I	300	900	0.27					X		X																E-I07M
I+726.0, RT		I	300	900	0.27					X		X																E-I07M
I+726.0, LT		I	300	900	0.27					X		X																E-I07M
	BRIDGE 33 VT_103	I	150	200	0.03																							E-I34M
I+829.5, LT	GREENSTAND RD TH43						I			X		X														SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON FLANGED CHANNEL POST.	-	-
I+830.0, LT	STOP 1039 1112 0114	I I	750 150	750 200	0.56 0.03					X 4.3		X														BACK-TO-BACK	E-I43M E-I38M	
I+841.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS	I	600	750	0.45					X 4.3		X																E-I4IM
I+931.2, LT	1039 1112 0120	I	150	200	0.03					X 3.0		X																E-I38M
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."									m	m	m	m	m	m	EA	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		
									4.6	4.6	32.2	4.6	36.8															
									30.90																			
TOTALS					m ² 2.66	m ²	EA I	m ²		m	m			kg			EA	kg				EA	EA	kg				
									41.4	41.4																		

[illegible]

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL				REQUIRE FRAMING	REMARKS	SIGN DETAIL							
					"A"	"B"	SALV SIGN	SALV TIS			kg/m	44	50	63	ANCHOR	SLEEVE	75	100	100 MOD	FOUND- ATION	75	89	100	125	FTG. SIZE		WEIGHT			POST SIZE	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER					
		EA	WIDTH (mm)	HEIGHT (mm)																					600 mm	750 mm											
												1.7	3.0	4.5	3.4	3.9	5.0	1.9	2.5	2.5		11.3	13.4	16.1	21.7	600 mm	750 mm										
MT. HOLLY: ✓ 6+800.0, LT	 ✓	I	600	750	0.45 ✓					I			X 4.3 ✓		X																					E-I4IM	
6+830.0, RT ✓	 ✓	I	600	750	0.45 ✓					I			X 4.3 ✓		X																				E-I4IM		
6+845.0, RT ✓	 ✓  ✓	I I	750 150	750 200	0.56 0.03 ✓ ✓					I			X 4.3 ✓		X														BACK-TO-BACK			E-I43M E-I38M					
6+845.5, RT ✓	 ✓						I			I		X 3.7 ✓		X															SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON FLANGED CHANNEL POST.	-		-					
6+950.0, LT ✓	 ✓	I	750	750	0.56 ✓					I			X 4.3 ✓		X																75						
7+081.1 LT ✓	 ✓	I	150	200	0.03 ✓					I	X	X 3.0 ✓		X																					E-I38M		
7+403.0, RT ✓	 ✓	I	150	200	0.03 ✓					I	X	X 3.0 ✓		X																					E-I38M		
7+502.0, RT ✓	 ✓	I	150	200	0.03 ✓					I	X	X 3.0 ✓		X																					E-I34M		
7+504.0, LT ✓	 ✓	I	150	200	0.03 ✓					I	X	X 3.0 ✓		X																					E-I34M		
7+724.0, LT ✓	 ✓	I	150	200	0.03 ✓					I	X	X 3.0 ✓		X																					E-I38M		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."											m	m	m	m	m	m		EA	kg	kg	kg		kg	kg	kg	kg											
											23.0	4.6	18.4	23.0	23.0																						
											35.90																										
					TOTALS	m ² 2.20 ✓	m ²	EA I	m ²		m	46.0			m 46.0			kg	EA			kg				EA	EA	kg									

PROJECT:
LUDLOW- MT. HOLLY

PROJECT NO.:
NH 2327(1)S

DESIGN FILE NAME: /pave/01b024/pb024.dgn
IPARM FILE NAME: pb024+ss20.1
SURVEYED BY: N/A
SQUAD LEADER: D.E.G.

PLOT DATE: \$DATE\$
SURVEY DATE: N/A
DRAWN BY: C.A.K.
SHEET: 63 OF 84

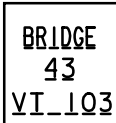
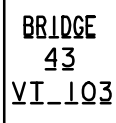
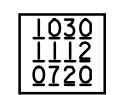
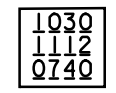
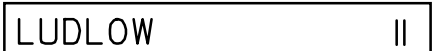
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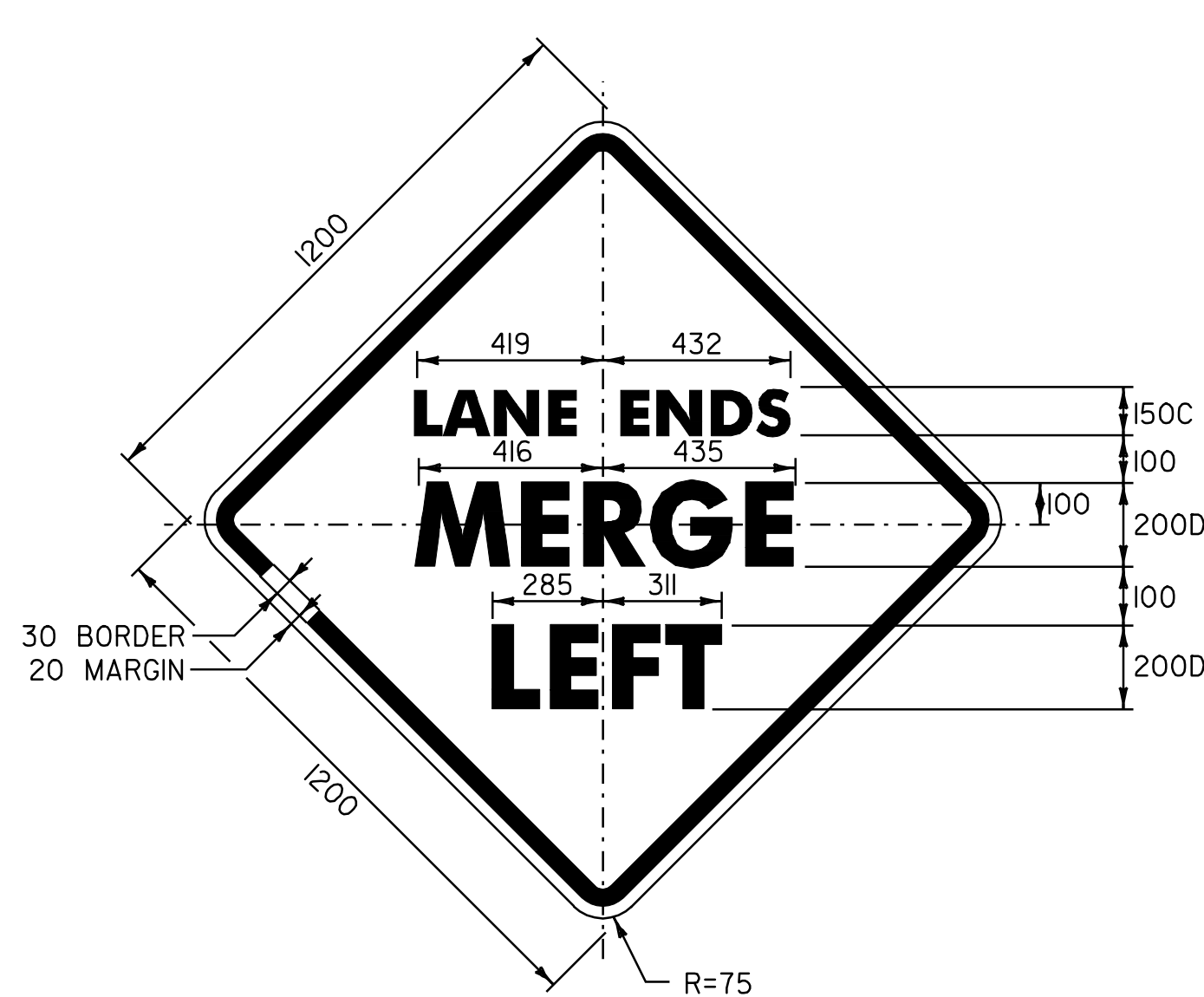
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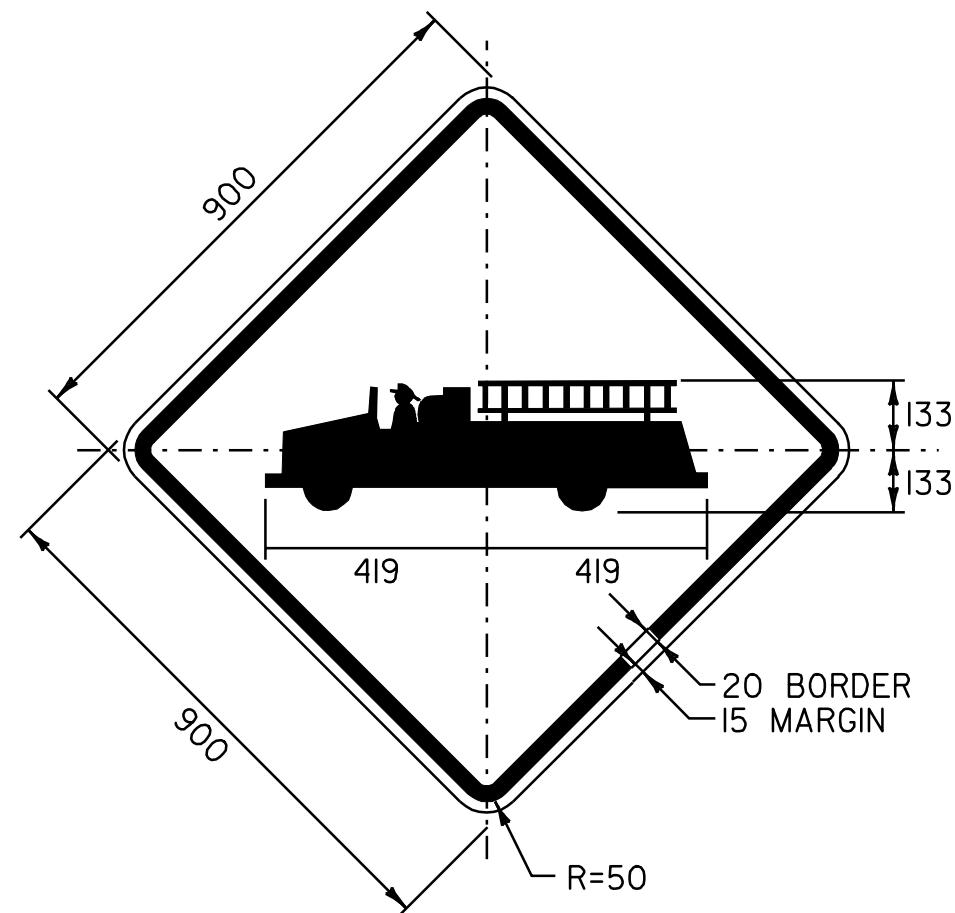
KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RE TAIN S AL V A G E	NO. OF P O S T S	FLANGED CHANNEL			SQUARE STEEL (mm)			NEW SIGN POSTS TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL				RE QUI RED FR AME	REMARKS	SIGN DETAIL					
				"A"	"B"	SALV SIGN	SALV TIS			kg/m	44	50	63	ANCHOR S	75	100	100 MOD	FOUND- ATION	75	89	100	125	FTG. SIZE		WEIGHT	POST SIZE			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
		EA	WIDTH (mm)																				HEIGHT (mm)	600 mm							750 mm			
										1.7	3.0	4.5	3.4	3.9	5.0	1.9	2.5	2.5	11.3	13.4	16.1	21.7	600 mm	750 mm										
MT. HOLLY: 11+471.0, RT		I	150	200	0.03					I	X	X 3.0		X																			E-134M	
										I	X	X 3.0		X																				
11+479.0, LT		I	150	200	0.03					I	X	X 3.0		X																			E-134M	
11+587.3, RT		I	150	200	0.03					I	X	X 3.0		X																			E-138M	
11+909.2, RT LT		I	150	200	0.03					I	X	X 3.7		X																			E-138M	
11+946.0, RT		I	525	375	0.20					I		X 4.3		X																			E-136BM	
		I	750	600	0.45																												E-136BM	
11+972.0, LT		I	1800	250	0.45					2		X 8.5		X																			E-123M	
		I	1800	250	0.45																												E-123M	
12+035.0, LT		I	600	750	0.45					I		X 4.3		X																			E-142M	
12+044.0, RT		I	1800	250	0.45					2		X 8.5		X																			E-123M	
		I	1800	250	0.45																												E-123M	
		I	1800	250	0.45																												E-123M	
		I	1800	250	0.45																												E-123M	
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE																																		

[illegible]

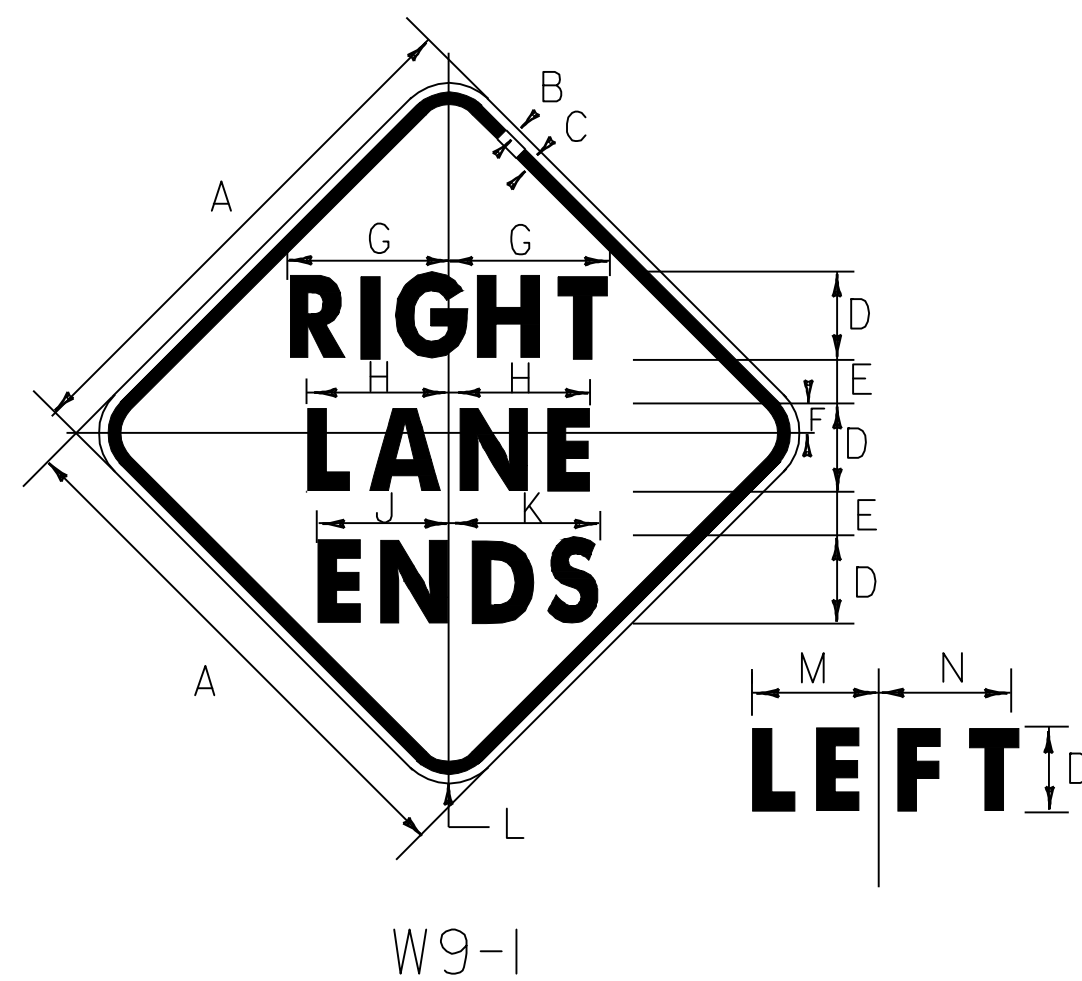
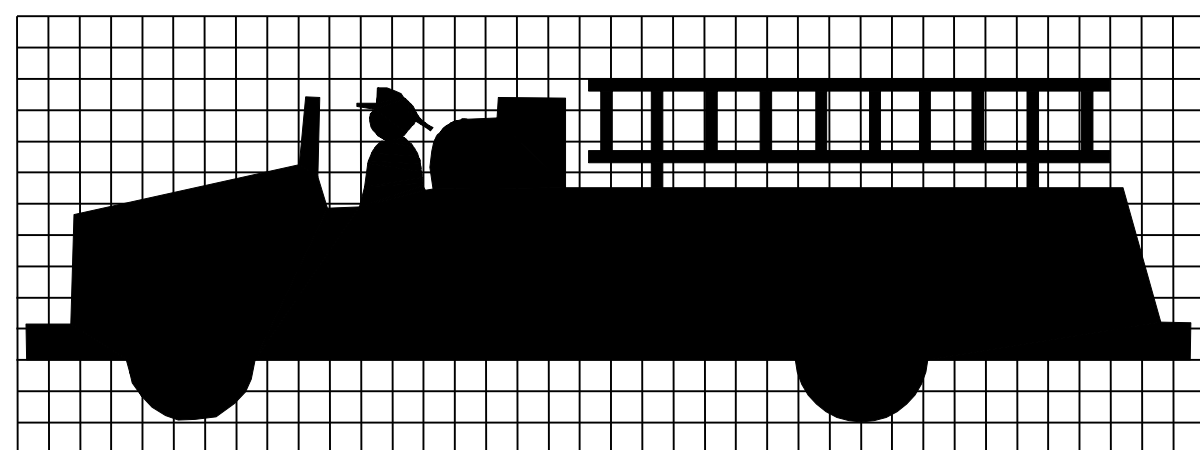
KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS							NEW SIGN POSTS															REMARKS	SIGN DETAIL								
		E A	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	S ALV A G E	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (mm)			ANCHOR	S LEEVE	TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)					W-SHAPE STEEL			FRAME SIG NAME	REQUIRED	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
												kg/m			44	50	63			75	100	100 MOD.	FOUND- ATION	75	89	100		125	FTG. SIZE						WEIGHT	POST SIZE
												1.7	3.0	4.5	3.4	3.9	5.0			1.9	2.5	2.5		kg/m				600 mm	750 mm							
MT. HOLLY: ✓ I2+200.0, LT	SOUTH ✓ WEST ✓	I I	600 600	300 300	0.18 ✓ 0.18 ✓						2			X 12.20		X													X		E-I36BM E-I36BM					
	VERMONT 103 ✓ VERMONT 140 ✓	I I	750 750	600 600	0.45 ✓ 0.45 ✓																										E-I36BM E-I36BM					
	↑ ✓ → ✓	I I	525 525	375 375	0.20 ✓ 0.20 ✓																										E-I36BM E-I36BM					
I2+222.0, RT ✓	NORTH ✓	I	600	300	0.18 ✓						I			X 4.3		X															E-I36BM					
	VERMONT 103 ✓	I	750	600	0.45 ✓																										E-I36BM					
	1030 1112 0760 ✓	I	150	200	0.03 ✓																										E-I42M					
I2+260.0 LT ✓	↑ MOUNT HOLLY 2 ✓	I	1800	250	0.45 ✓						2			X 11.00		X															E-I23M					
	↑ LUDLOW II ✓	I	1800	250	0.45 ✓																										E-I23M					
I2+295.0 RT ✓	E. CLAREDNDON 6 ✓	I	1800	250	0.45 ✓						2			X 8.5		X															E-I23M					
	RUTLAND I4 ✓	I	1800	250	0.45 ✓																										E-I23M					
	BRIDGE 44 VI_103 ✓	I	150	200	0.03 ✓																										E-I34M					
I2+310.0, LT ✓	JCT ✓	I	600	300	0.18 ✓						I			X 4.9		X															E-I36BM					
	VERMONT 140 ✓	I	750	600	0.45 ✓																										E-I36BM					
	BRIDGE 44 VI_103 ✓	I	150	200	0.03 ✓																										E-I34M					
I2+404.824 LT ✓	MOUNT HOLLY WALLINGFORD ✓	I	1500	190	0.29 ✓						I			X 4.3		X															ARCHIVED ON CADD	E-I24M				
	1030 1125 0000 ✓	I	150	200	0.03 ✓																										E-I38M					
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."												m	m	m	m	m	EA	kg	kg	kg	kg										PROJECT: LUDLOW- MT. HOLLY		PROJECT NO.: NH 2327(I)S			
												41.4			41.4															DESIGN FILE NAME: /pave/0lb024/pb024.dgn IPARM FILE NAME: pb024tss30.i SURVEYED BY: N/A SQUAD LEADER: D.E.G.		PLOT DATE: \$DATE\$ SURVEY DATE: N/A DRAWN BY: C.A.K. SHEET: 73 OF 84				
TOTALS					m² ✓							m			m			kg		EA	kg				EA	EA	kg									
					5.13							41.4			41.4							kg		EA												



COLOR: BLACK BORDER & TEXT
YELLOW BACKGROUND (REFLECTORIZED)
MATERIAL: PER VAOT STANDARD E-I53M

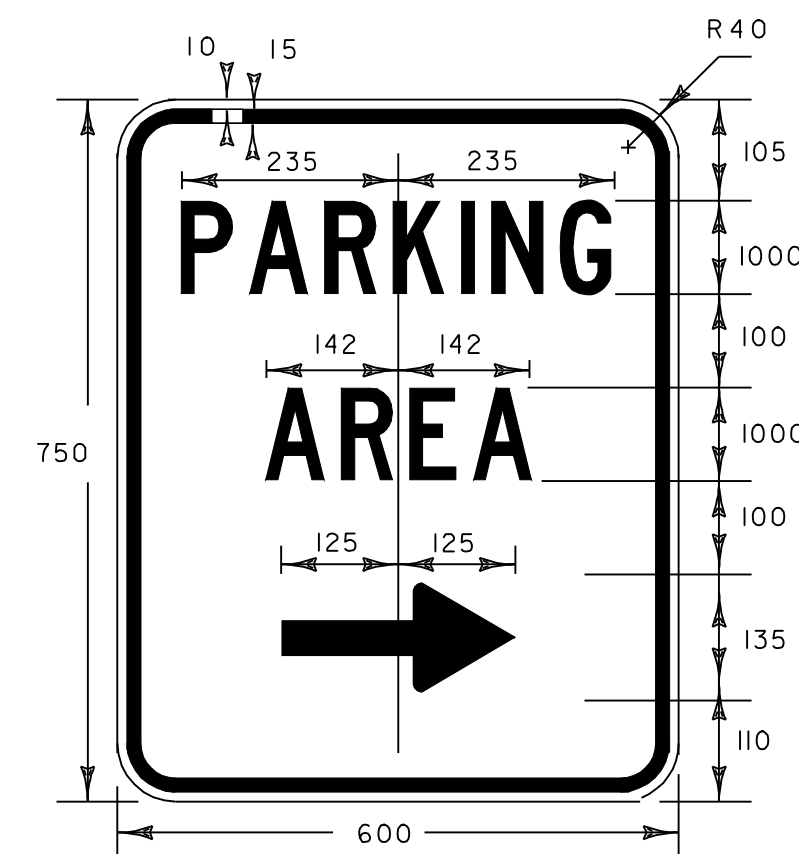


COLOR: BLACK BORDER & TEXT
YELLOW BACKGROUND (REFLECTORIZED)
MATERIAL: PER VAOT STANDARD E-I53M
SIGN - VT. ROUTE 103



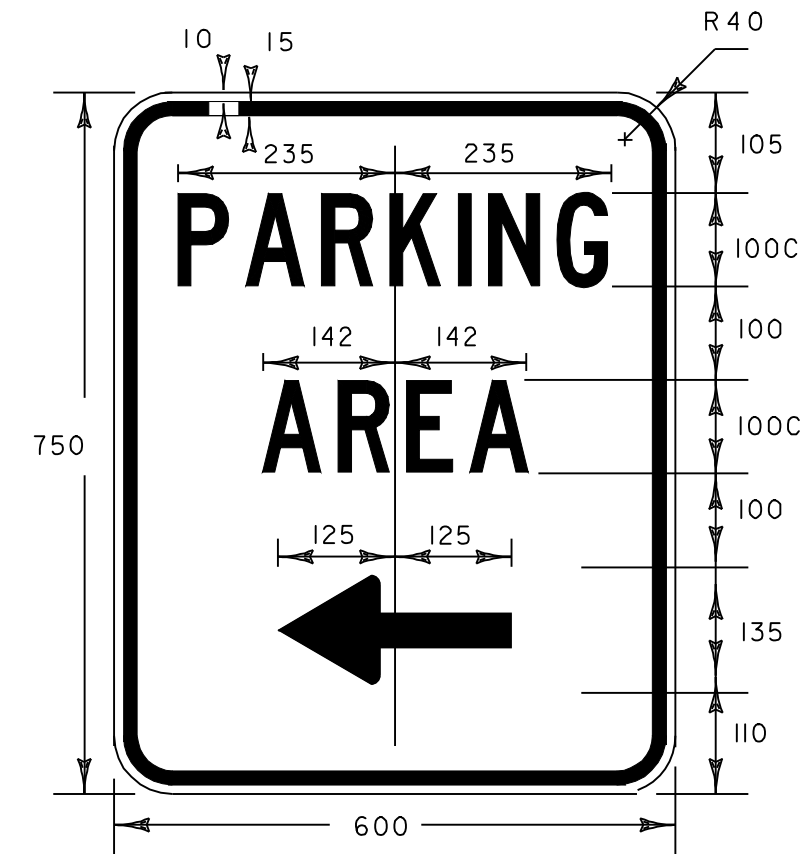
SIGN	DIMENSIONS (MM)											
	A	B	C	D	E	F	G	H	J	K	L	
MIN.	600	10	15	100D	50	40	190	160	155	170	40	
STD.	750	10	20	120D	60	40	230	200	190	220	50	
EXPWY.	900	15	20	150D	75	50	280	250	230	260	60	
SPECIAL	1200	20	30	200D	100	75	375	330	300	350	75	

M	N
145	150
180	190
215	230
350	300



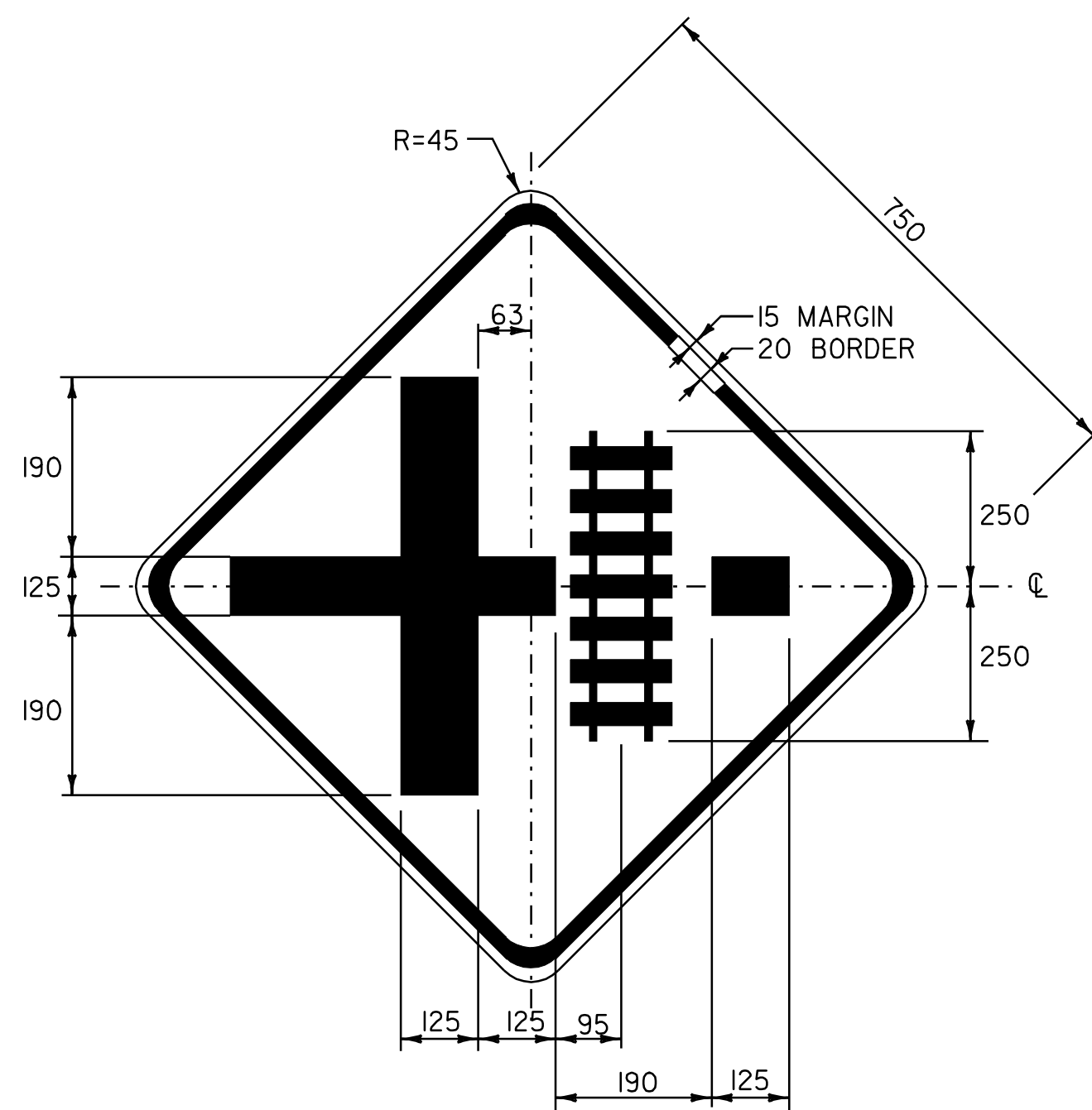
VD-618A(R)

WHITE TEXT + BORDER
BLUE BACKGROUND

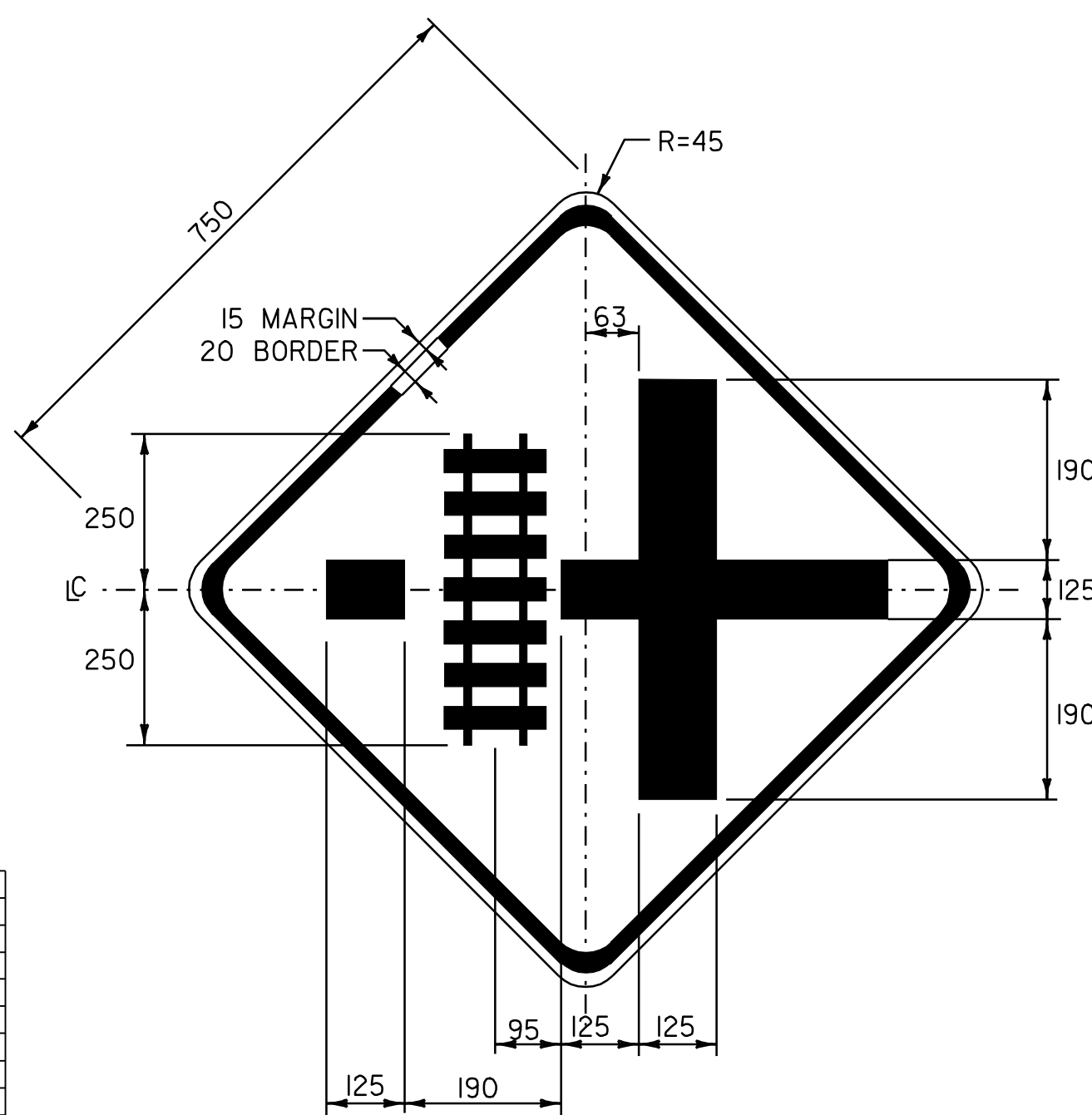


VD-618A(L)

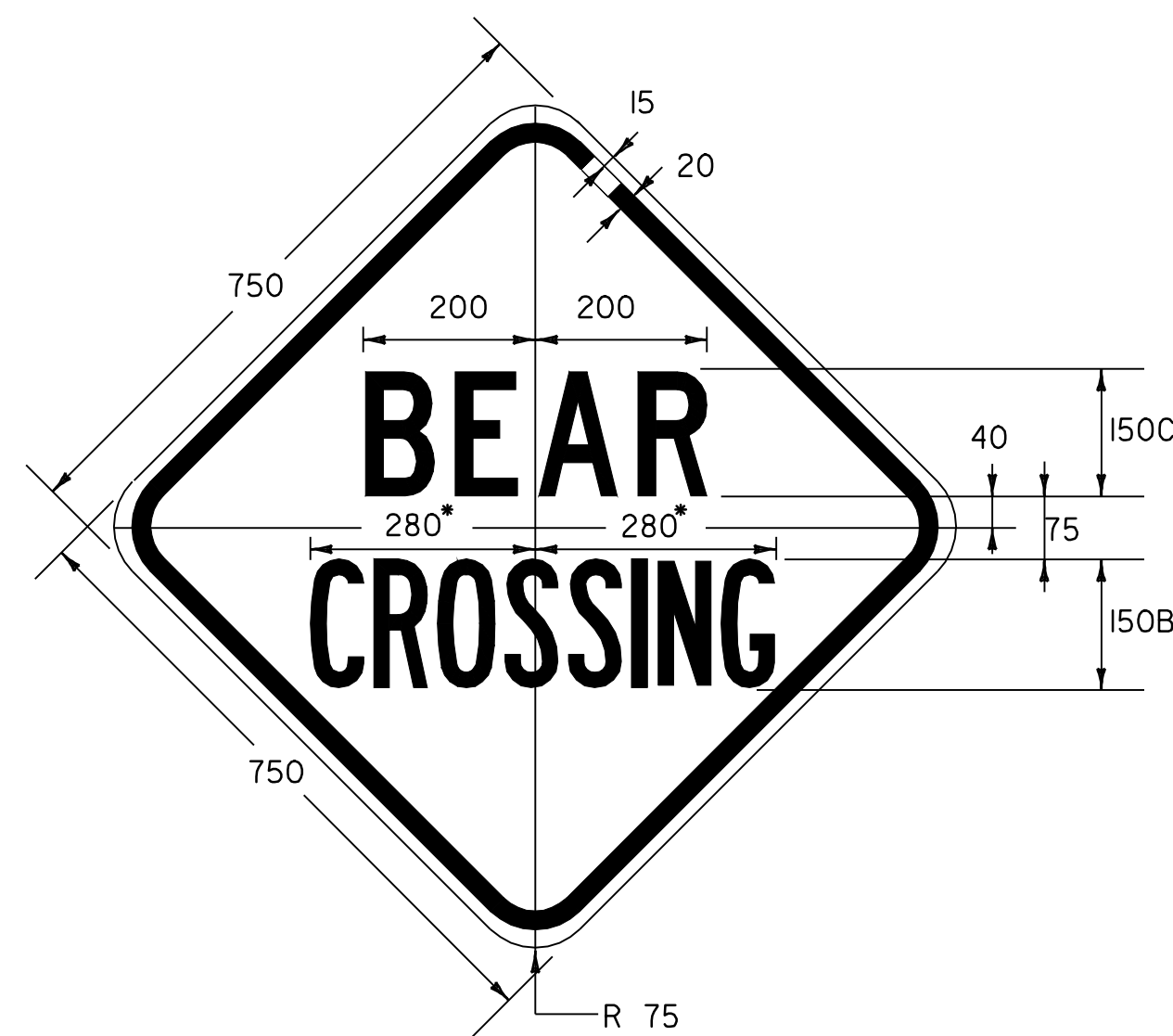
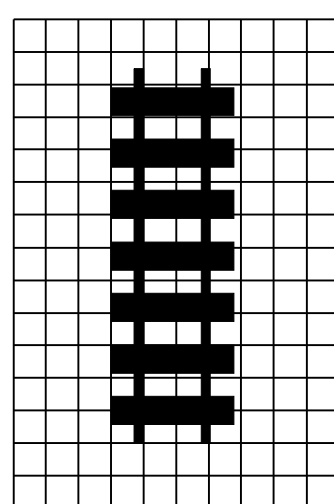
WHITE TEXT + BORDER
BLUE BACKGROUND



COLOR: BLACK BORDER & TEXT
YELLOW BACKGROUND (REFLECTORIZED)
MATERIAL: PER VAOT STANDARD E-I53M
SIGN - VT. ROUTE 103

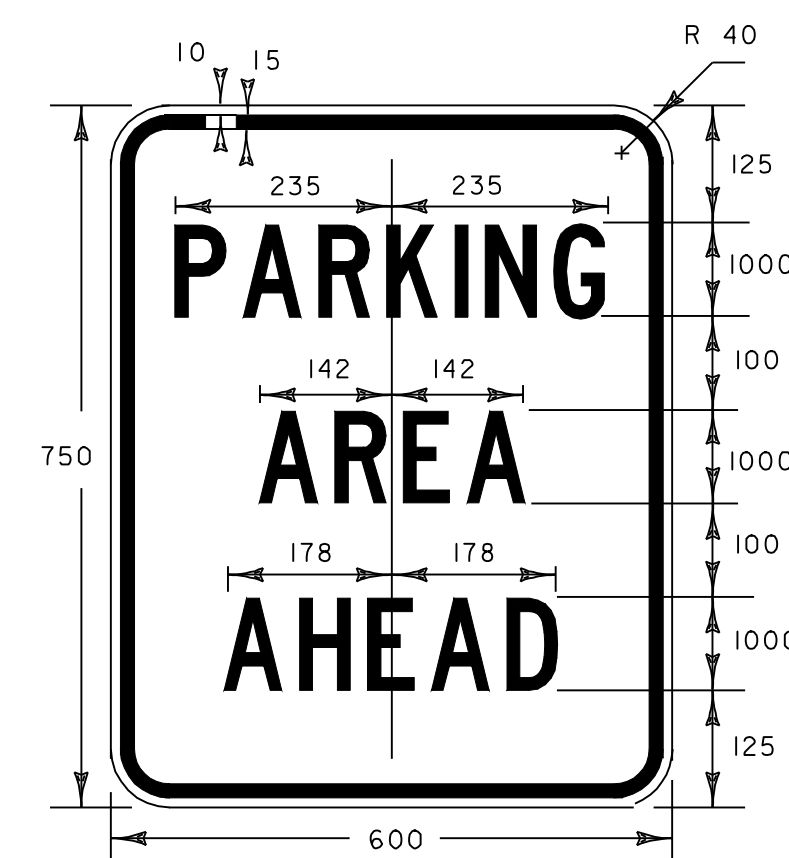


COLOR: BLACK BORDER & TEXT
YELLOW BACKGROUND (REFLECTORIZED)
MATERIAL: PER VAOT STANDARD E-I53M
SIGN - VT. ROUTE 103



VW-050

* REDUCE SPACING 50%



VD-618

WHITE TEXT + BORDER
BLUE BACKGROUND

NOTE:

TEXT LAYOUT DIMENSIONS ARE BASED ON THE "LETTER & NUMERAL WIDTHS & SPACE" TABLES FOUND IN THE "STANDARD HIGHWAY SIGNS" BOOKLET. MINOR VARIATIONS IN TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES THAT AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF THE VAOT'S TRAFFIC AND SAFETY DIVISION BEFORE FABRICATION.

TRAFFIC SIGN DETAIL SHEET

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. pb024tsdJ
IPARM FILE pb024tsdJ DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_232111S
SHEET 75 OF 84 SHEETS

DATUM

VERTICAL N/A

HORIZONTAL N/A

The logo for VAOT Metric, featuring the word "VAOT" in a small, slanted font above a large, bold "M", followed by the word "etric" in a large, outlined font.

NOTES

1. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.61m.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.61m FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE INDICATED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET G-1M FOR DELINEATION DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 m APART. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.
8. ALL HEAVY DUTY STEEL BEAM BRIDGE RAIL AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE ITEM 525.41 BRIDGE RAILING - HD STEEL BEAM/FASCIA MOUNTED (MOD. 1) OR (MOD. 2) AS DENOTED IN THE PLANS.
9. ALL STEEL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE AASHTO M 270/M 270M EXCEPT AS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO AASHTO M III.



WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1
USE SCHEDULE I FOR APPROACH RAILING. WHEN A
RAIL PANEL SPLICE OCCURS AT THE BRIDGE END
POST USE SCHEDULE II FOR APPROACH RAILING.

SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	950 mm	1.4 x 5.7 m
2	950 mm	
3		
4		
5		
6		
7	950 mm	1.2 x 3.8 m
8	1.27 m	
9	1.27 m	
10	1.27 m	
11	1.9 m (TYP.)	

NOT TO SCALE

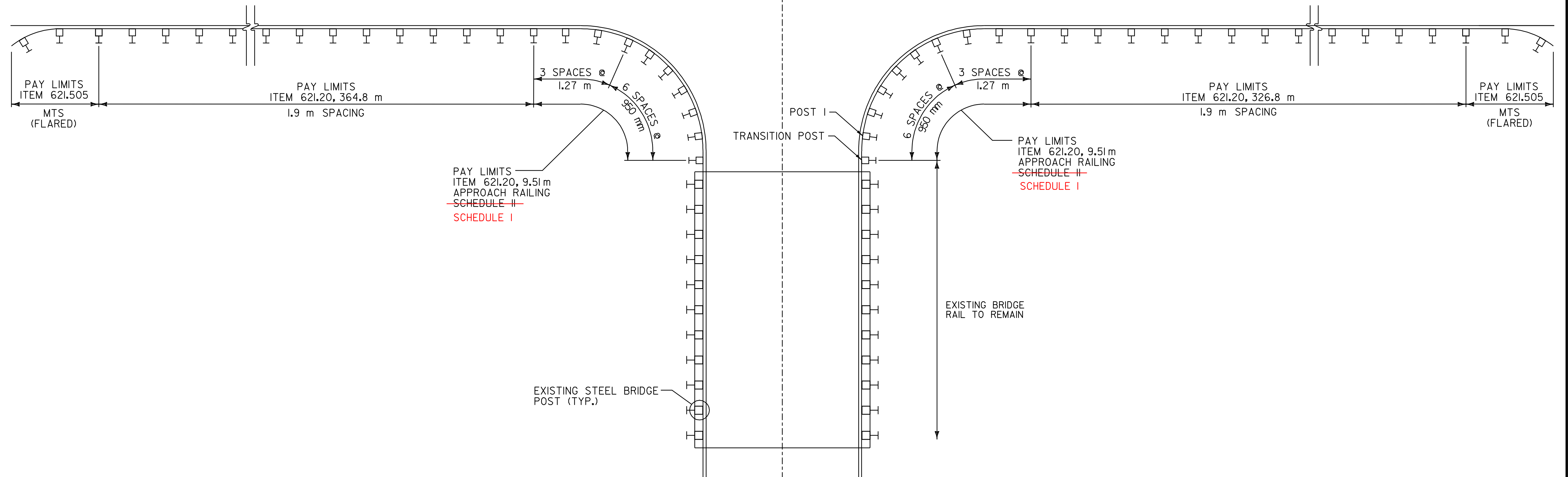
BRIDGE DETAIL SHEET #1

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE _____
SQUAD LEADER T.P.K.
DESIGN FILE NO. /page/010b024/pb024.dgn
IPARM DATE
FILE pb024bdl.i PLOTTED \$DATE\$
PROJ. NAME LUDELOW - MT. HOLLY
PROJ. NO. NH 2327(1)S
SHEET 76 OF 84 SHEETS _____

VT. ROUTE 103

SOUTHBOUND

NORTHBOUND



T - 3
TUGWAY ROAD
MM 3.068 = STA. 4 + 937.467
NOT TO SCALE

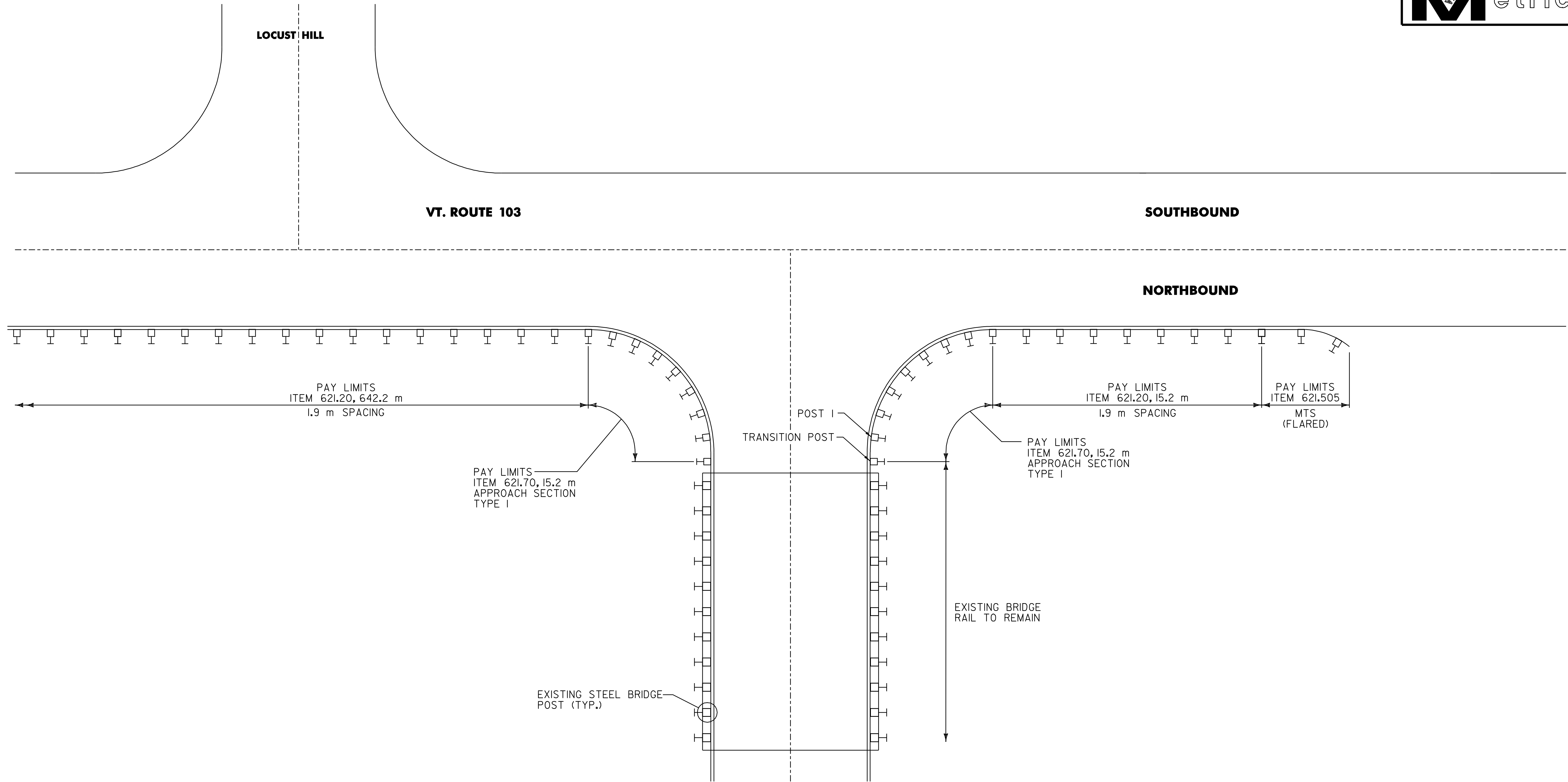
**ARCHIVED
ON CADD**

MHM 7/20/04

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**BRIDGE
DETAIL
SHEET #2**

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	Z:\pave\01b024\pb024.dgn		
IPARM		DATE	
FILE	pb024b02.i	PLOTTED	\$DATE\$
PROJ. NAME	LUDLOW - MI. HOLLY		
PROJ. NO.	NH_232711S		
SHEET	77	OF	84
		SHEETS	



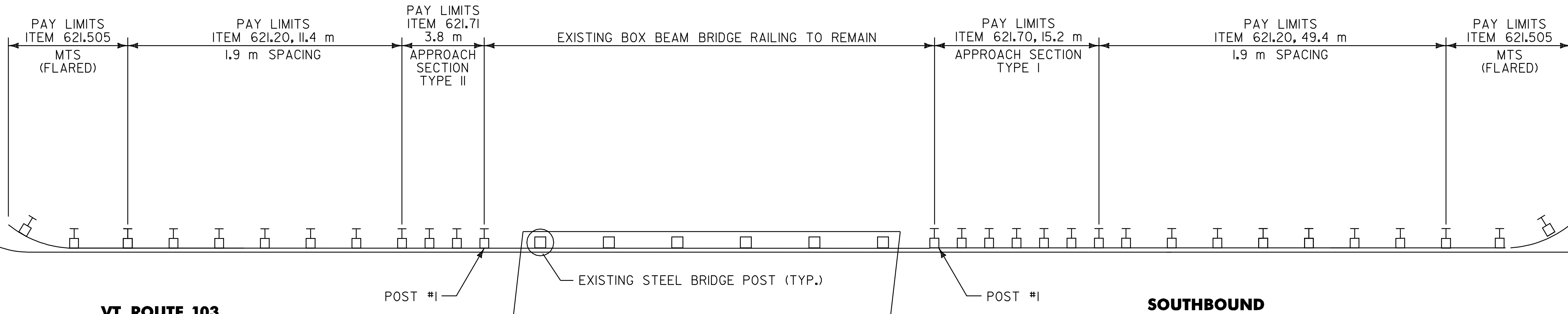
VT. ROUTE 100
MM 4.059 = STA. 6 + 532.327
NOT TO SCALE

BRIDGE
DETAIL
SHEET #3

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. dpave/Qib024/pb024.dgn
IPARM FILE pb024bd3.i DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_2327(1)S
SHEET 78 OF 84 SHEETS

DATUM
VERTICAL N/A
HORIZONTAL N/A

T-47
STATION ROAD

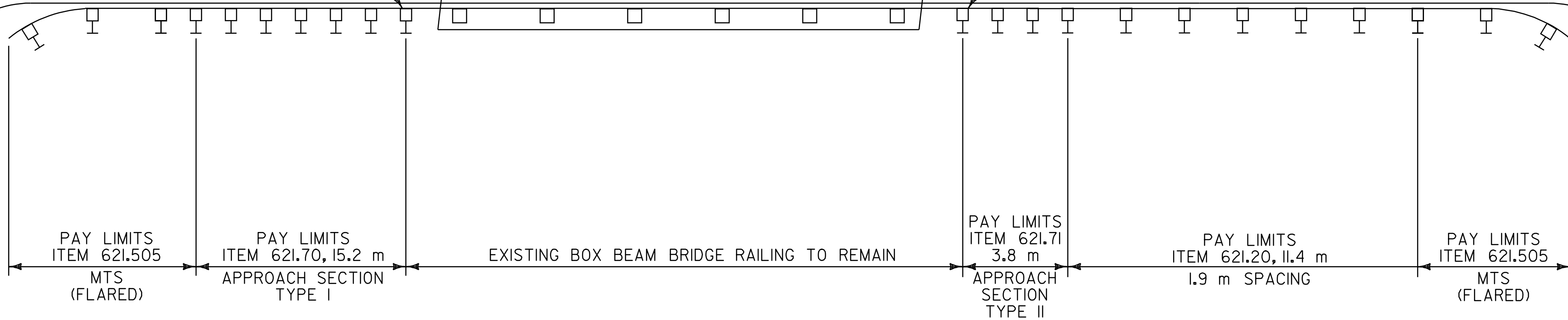


SOUTHBOUND

POST #1

POST #1

NORTHBOUND



GRAVEL DRIVE

GRAVEL DRIVE

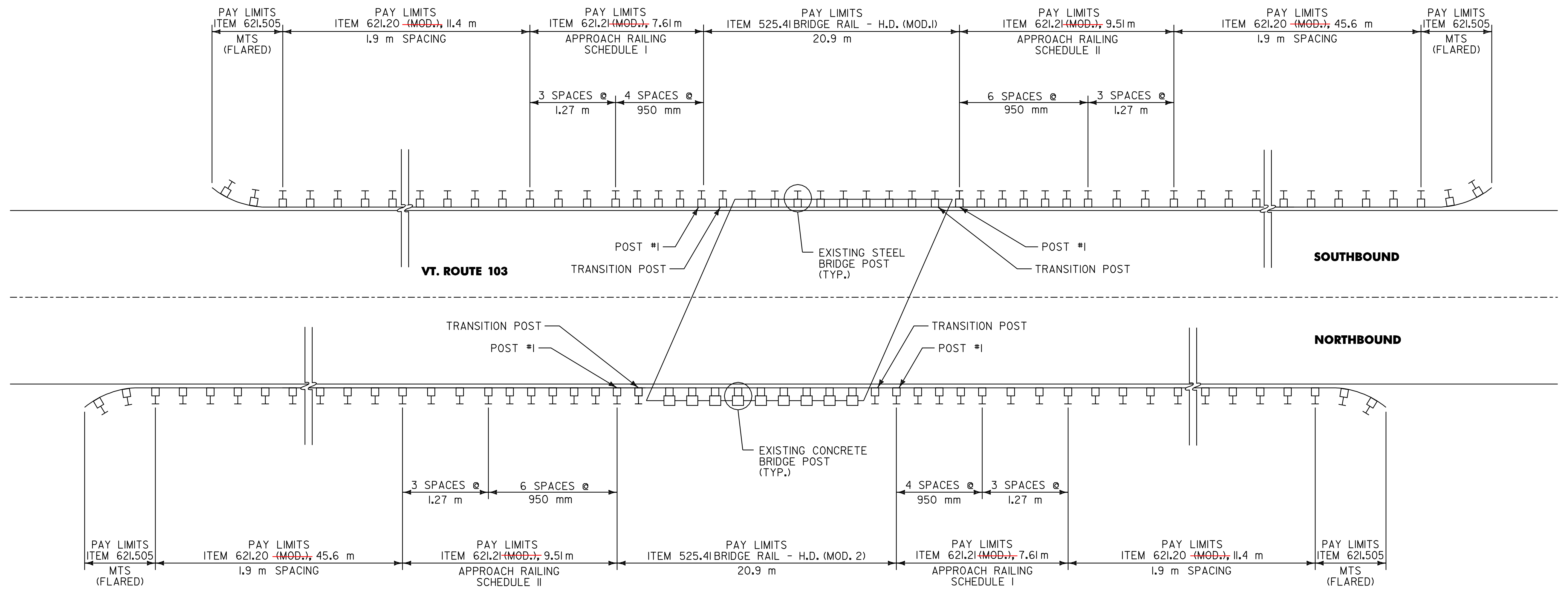
BR 33 MT. HOLLY MM 1.059 = STA. 1+704.295

NOT TO SCALE

DATUM	
VERTICAL	<u>N/A</u>
HORIZONTAL	<u>N/A</u>

BRIDGE
DETAIL
SHEET #4

SURVEYED BY	<u>N/A</u>	DATE	<u>N/A</u>
DRAWN BY	<u>C.A.K.</u>	DATE	
SQUAD LEADER	<u>T.P.K.</u>		
DESIGN FILE NO.	<u>pb024bd4.i</u>	DATE PLOTTED	<u>\$DATE\$</u>
IPARM FILE	<u>pb024bd4.i</u>		
PROJ. NAME	<u>LUDLOW - MI. HOLLY</u>		
PROJ. NO.	<u>NH_2327(1)S</u>		
SHEET	<u>79</u>	OF	<u>84</u>
		SHEETS	

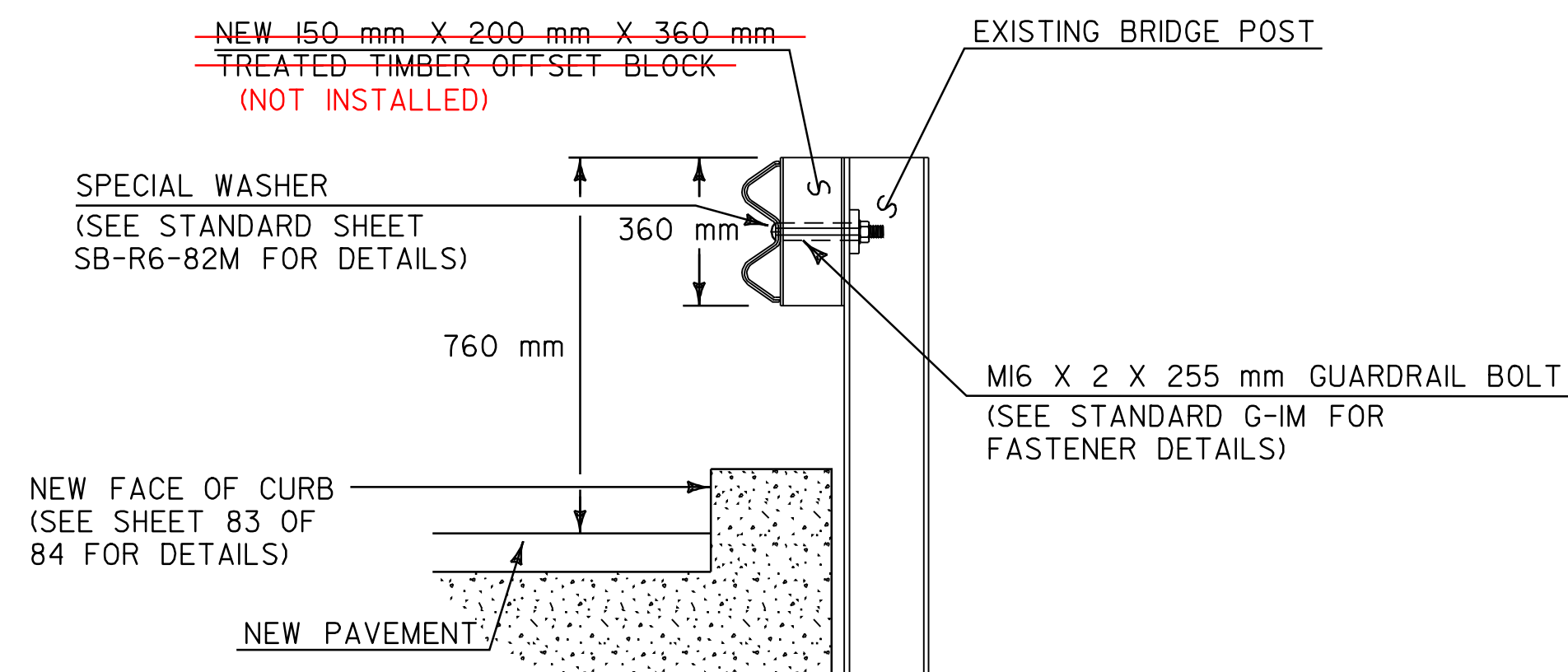


BR 42 MT. HOLLY MM 6.043 = STA. 9+725.266

NOT TO SCALE

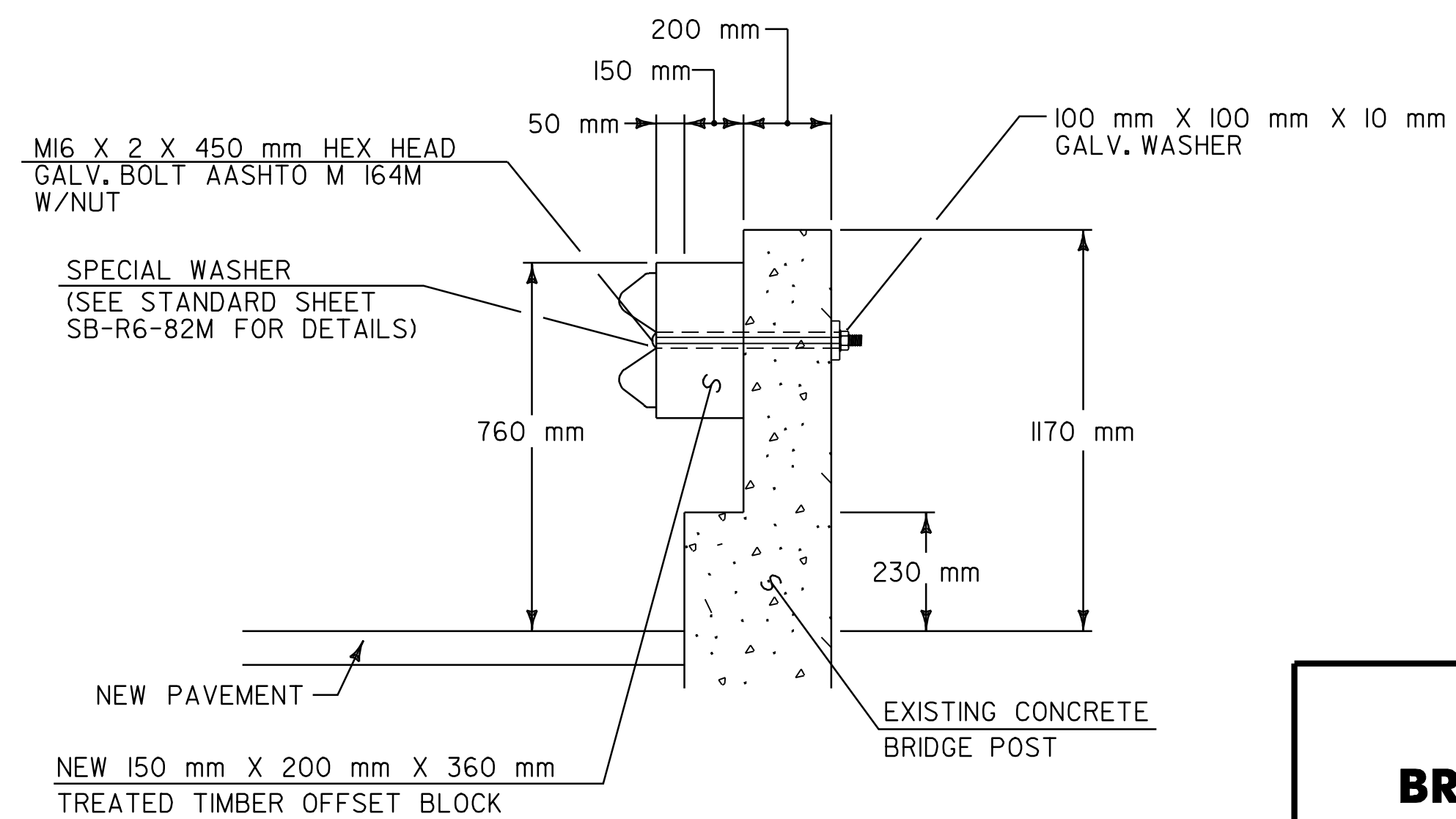
RMT
11/30/04

EXISTING STEEL OFFSET BLOCKS REINSTALLED
DUE TO ALIGNMENT PROBLEM W/ NEW TIMBER BLOCKS



BR 42 BRIDGE POST DETAIL

NOT TO SCALE



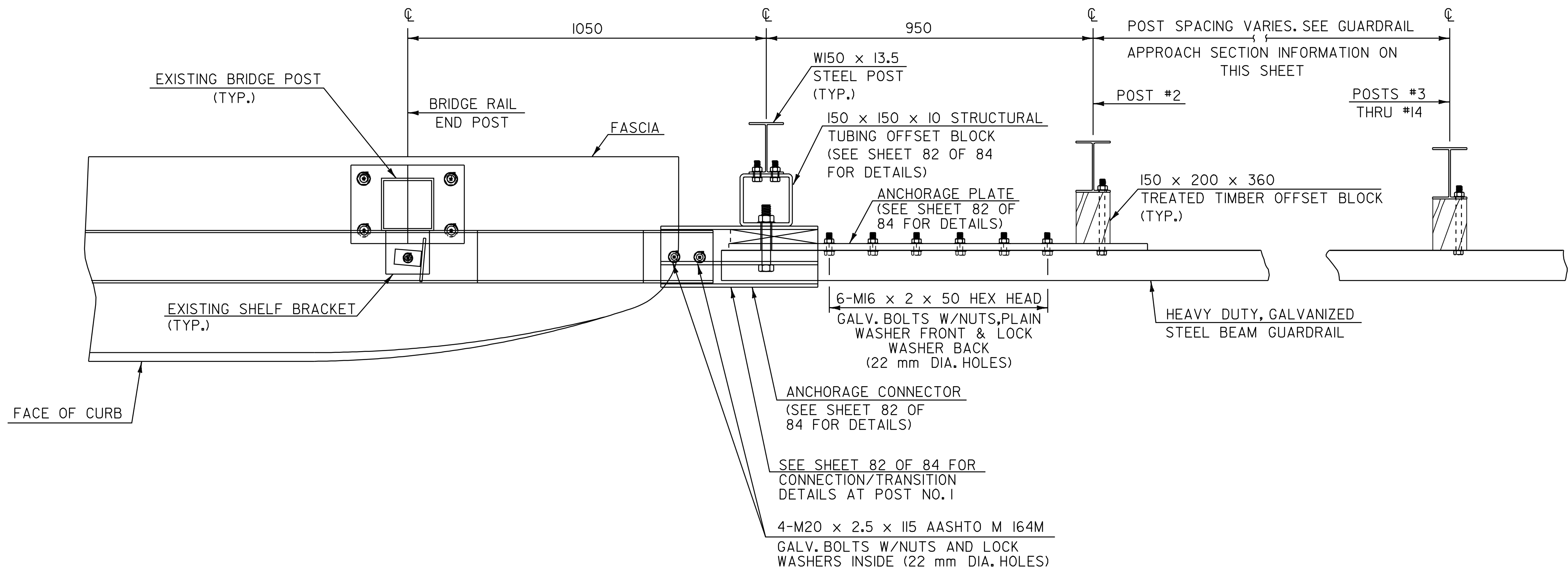
BR 42 BRIDGE POST DETAIL

NOT TO SCALE

ARCHIVED
ON CADD

BRIDGE
DETAIL
SHEET #5

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	pb024b051	DATE	*DATE*
IPARM	FILE	PLOTTED	
PROJ. NAME	LUDLOW - MT. HOLLY		
PROJ. NO.	NH_2327(1)S		
SHEET	80	OF	84
SHEETS			

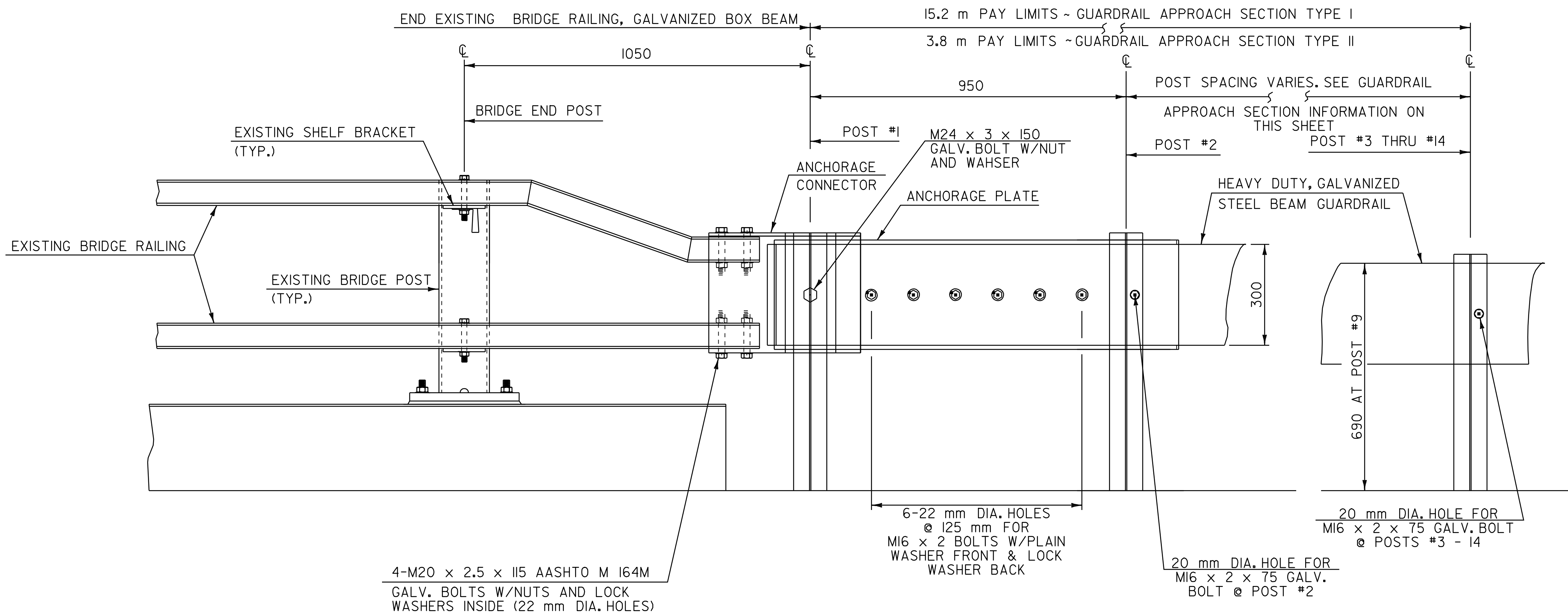


PLAN

GUARDRAIL
APPROACH SECTION
TYPE I

POST NO.	SPACING
1	950
2	950
3	950
4	950
5	950
6	950
7	950
8	950
9	950
10	1.27 m
11	1.27 m
12	1.27 m
13	1.9 m
14	1.9 m

15.2 m PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE I



ELEVATION

BRIDGE APPROACH DETAIL
NOT TO SCALE

GUARDRAIL
APPROACH SECTION
TYPE II

POST NO.	SPACING
1	950
2	1.43 m
3	1.43 m
4	

3.8 m PAY LENGTH GUARDRAIL APPROACH SECTION TYPE II

NOTE:
ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE NOTED.

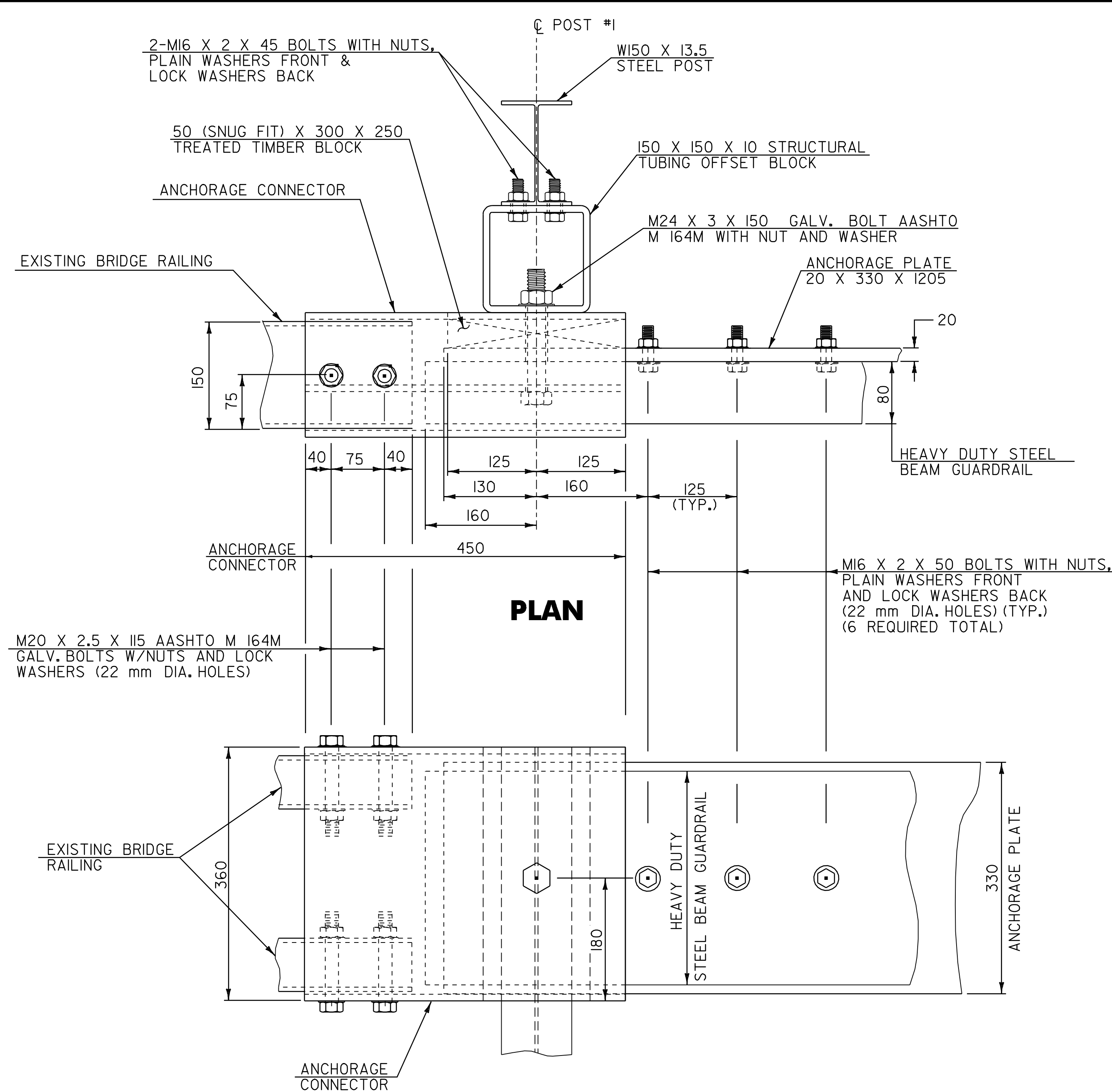
BRIDGE
APPROACH
SECTION
DETAIL
SHEET #1

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. C:\pave\01b024\pb024.dgn
IPARM FILE pb024bal.1 DATE PLOTTED \$DATE\$
PROJ. NAME LUDLOW - MI. HOLLY
PROJ. NO. NH_2327(11)
SHEET 81 OF 84 SHEETS

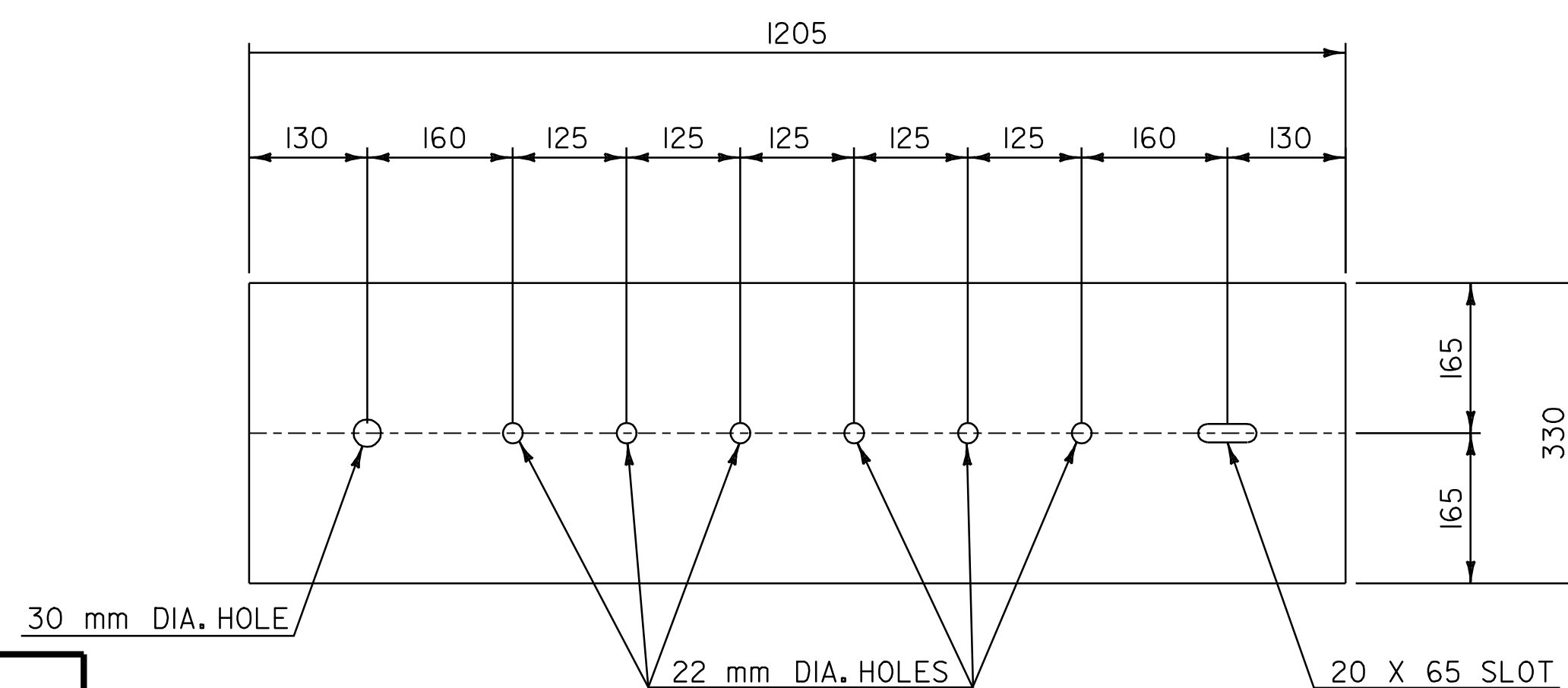
DATUM	
VERTICAL	<u>N/A</u>
HORIZONTAL	<u>N/A</u>

NOTES

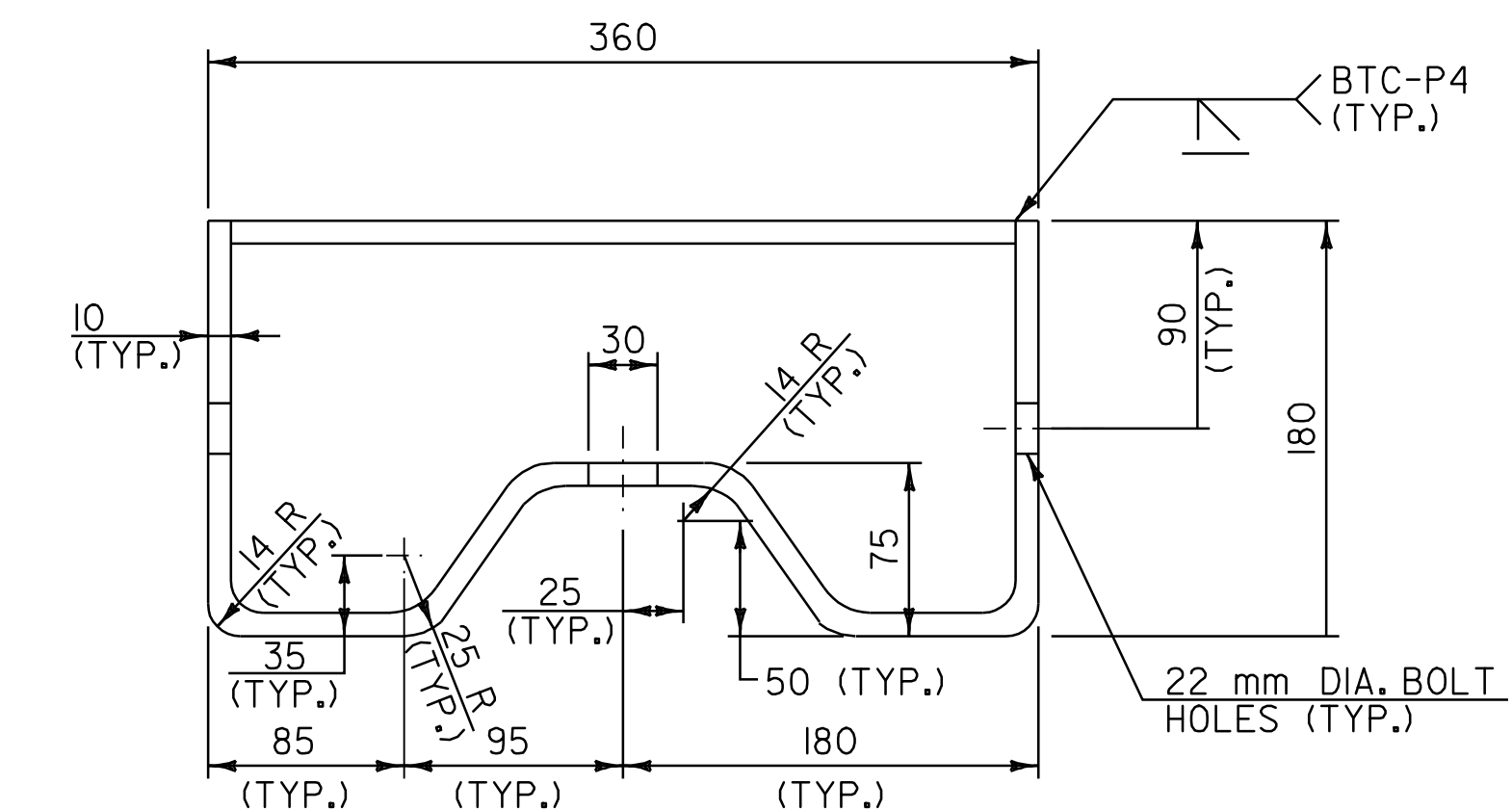
1. REFER TO STANDARD G-IM FOR ADDITIONAL RAIL DETAILS.
2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SECTION 728 "GUARDRAIL, GUIDE POSTS AND BARRIERS" UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL BE AASHTO M 270/M 270M, GRADE 250 GALVANIZED TO AASHTO M III AFTER FABRICATION.
5. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED TO AASHTO M 232 AFTER FABRICATION.
6. STRUCTURAL TUBING OFFSET BLOCK SHALL BE AASHTO M 183/M 183M GALVANIZED TO AASHTO M III AFTER FABRICATION.
7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION.
8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS ± 1.6 mm.
9. THE UNIT PRICES BID FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION SHALL INCLUDE ANCHORAGE CONNECTOR, ANCHORAGE PLATE, HEAVY DUTY STEEL BEAM GUARDRAIL, POSTS, OFFSET BLOCKS, BLOCKING, BOLTS, AND ALL NECESSARY HARDWARE.



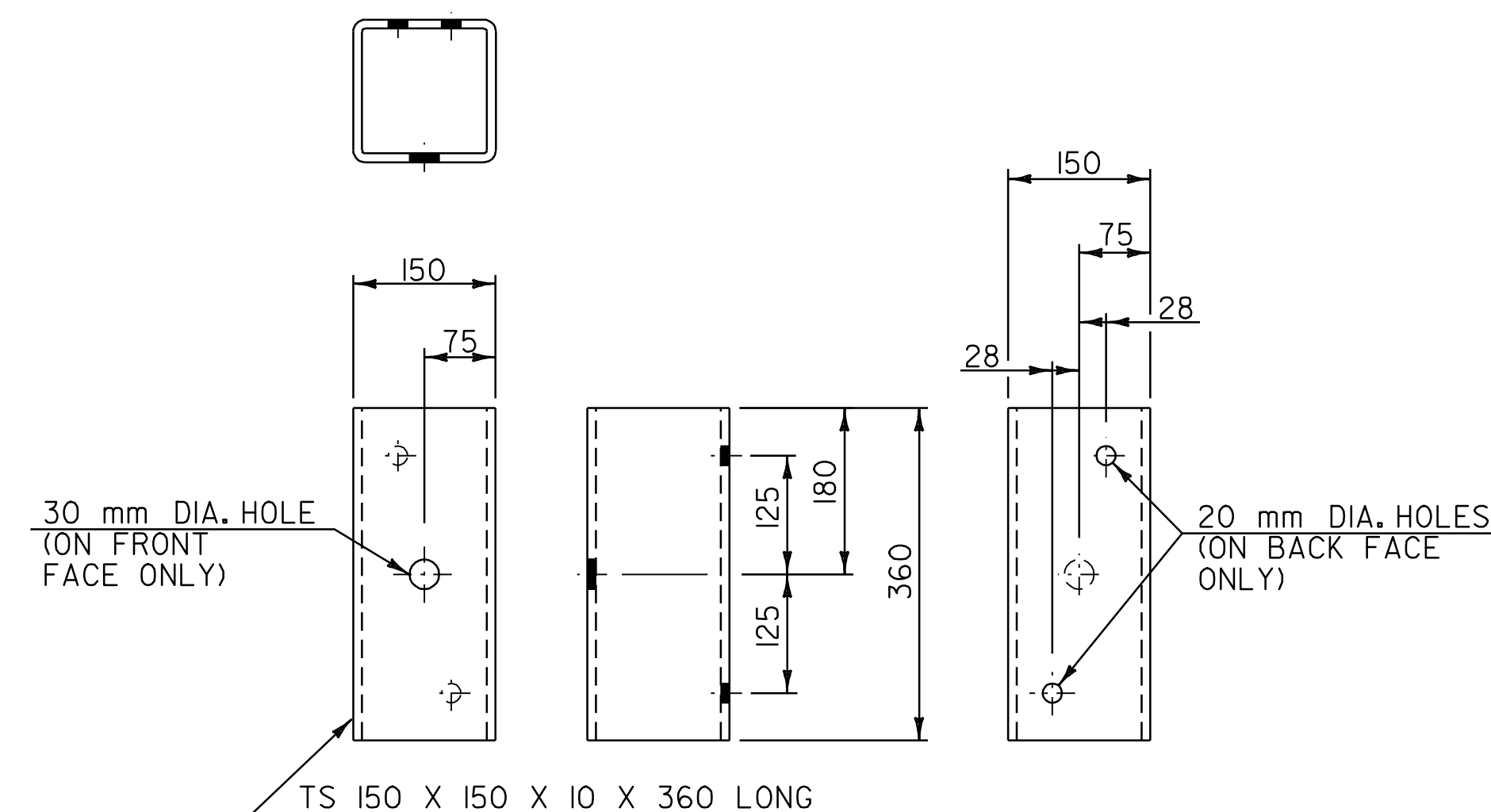
CONNECTION/TRANSITION DETAILS AT POST NO. 1
NOT TO SCALE



ANCHORAGE PLATE DETAIL
NOT TO SCALE



ANCHORAGE CONNECTOR DETAIL
(SEE NOTE 7)
NOT TO SCALE



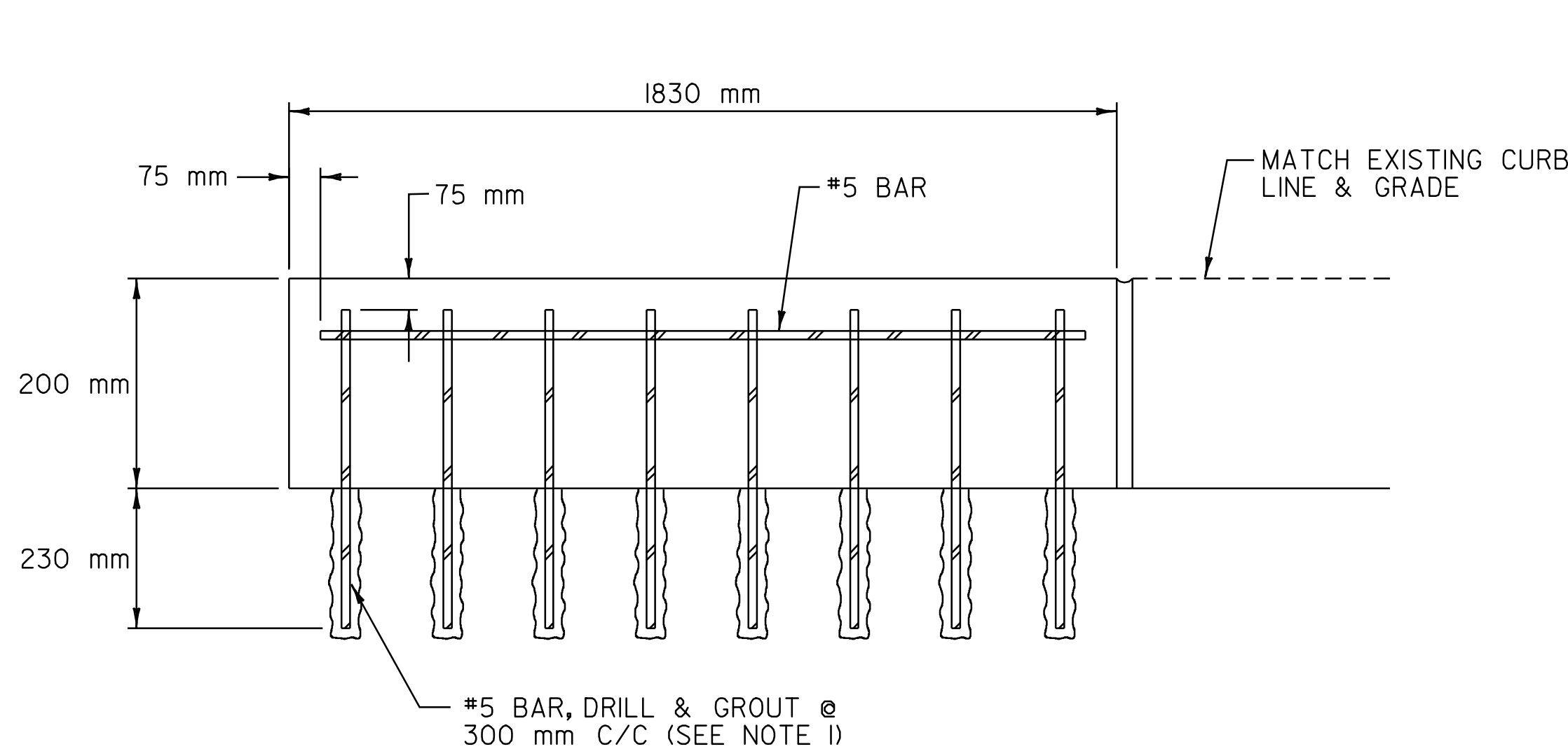
STRUCTURAL TUBING OFFSET BLOCK DETAILS
(OCCURS AT POST NO. 1 WHEN USING APPROACH RAIL UTILIZING STEEL POSTS)
NOT TO SCALE

NOTE:
ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED.

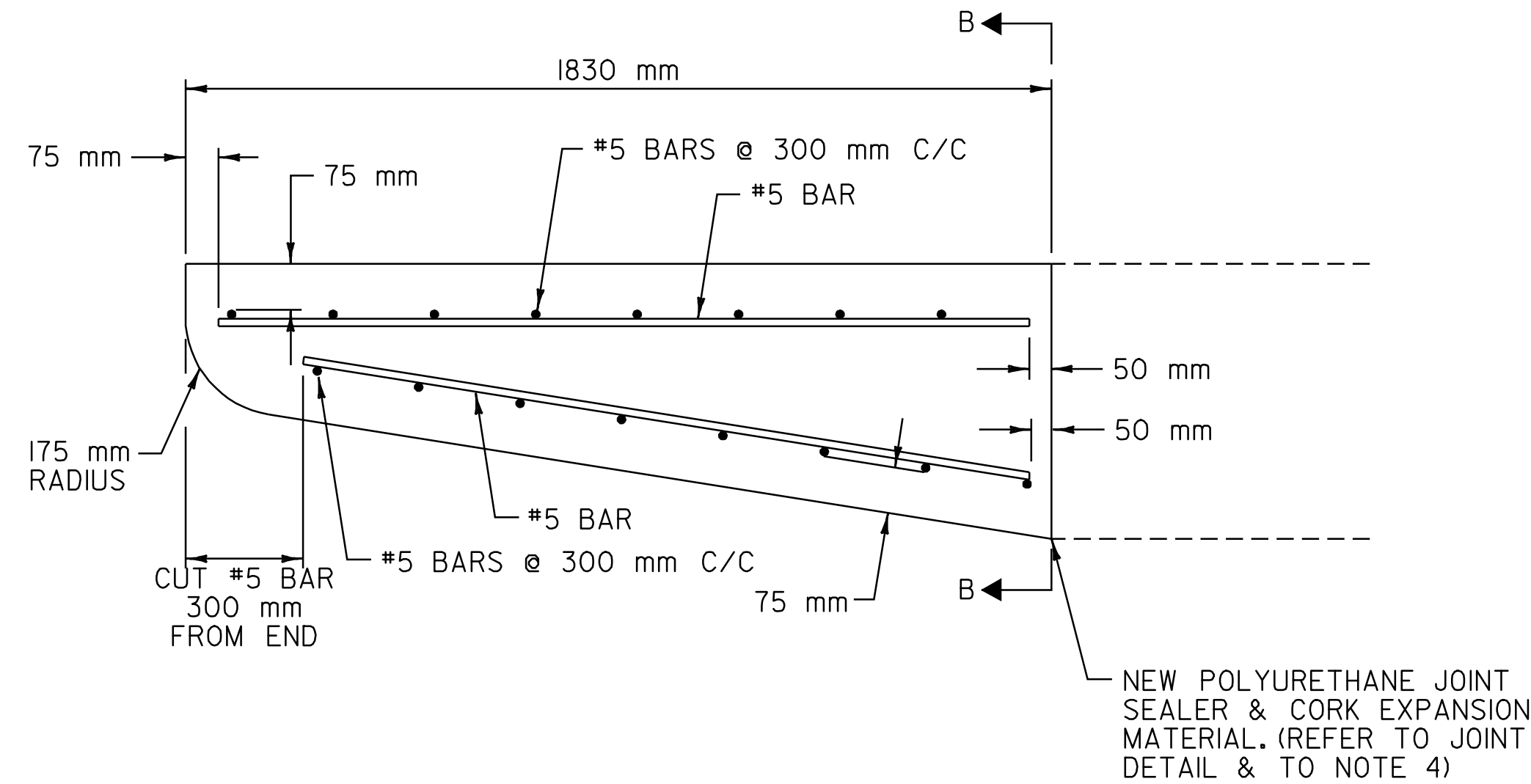
BRIDGE
APPROACH
SECTION
DETAIL
SHEET #2

SURVEYED BY N/A DATE N/A
DRAWN BY C.A.K. DATE
SQUAD LEADER T.P.K.
DESIGN FILE NO. dpave/01b024/pb024.dgn
IPARM FILE pb024bq2.i DATE PLOTTED \$DATE\$
PROJ. NAME LUOLLO - MI. HOLLY
PROJ. NO. NH_2327(1)S
SHEET 82 OF 84 SHEETS

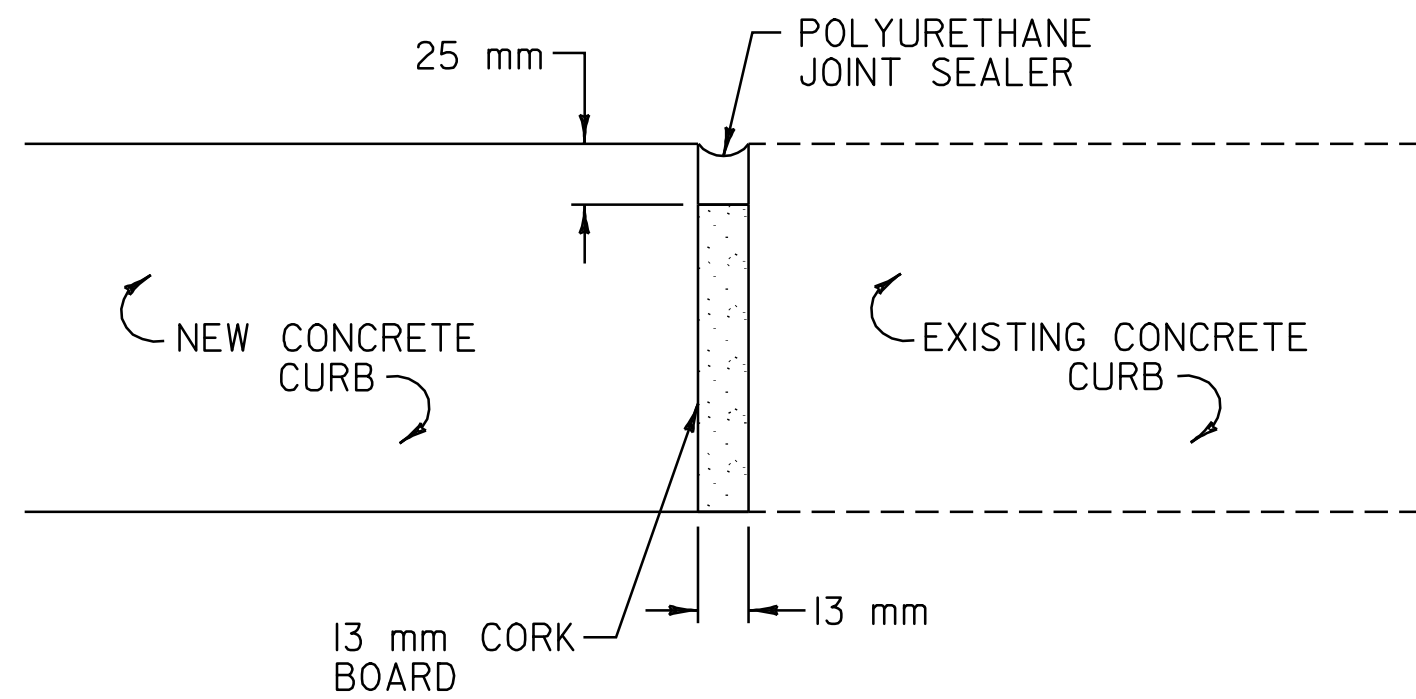
DATUM
VERTICAL N/A
HORIZONTAL N/A



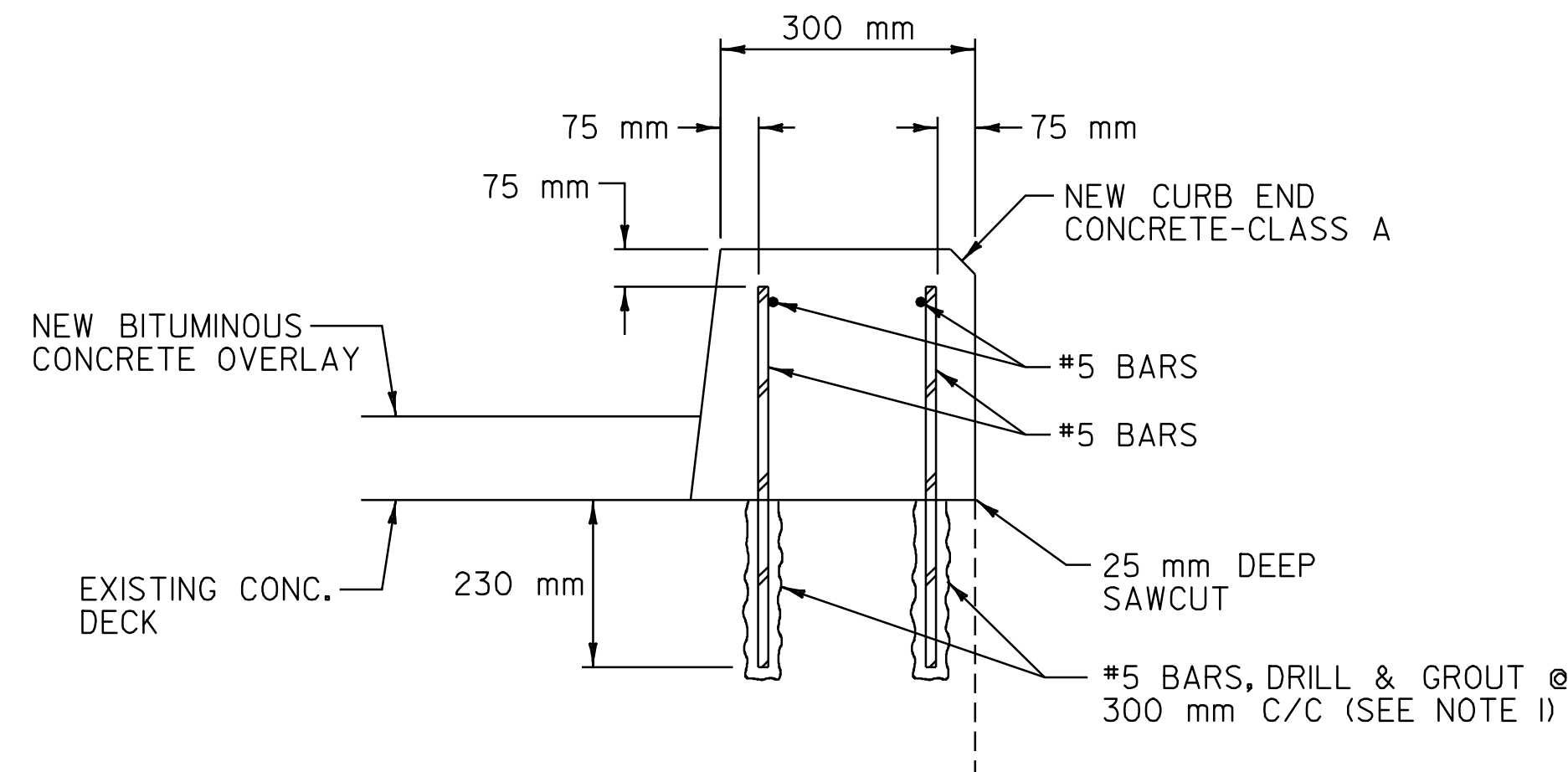
NEW CURB END TREATMENT
ELEVATION VIEW
N.T.S



NEW CURB END TREATMENT
PLAN VIEW
BR 42 MT. HOLLY STA. 9+716.3 LT
BR 42 MT. HOLLY STA. 9+734.3 LT
N.T.S



JOINT DETAIL (SEE NOTE 4)
N.T.S



SECTION B-B
N.T.S

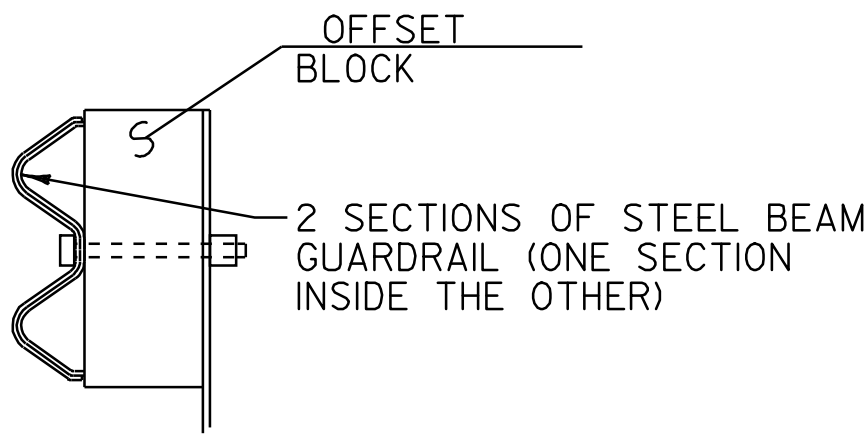
NOTES

1. LOCATION OF EXISTING U-BARS IS NOT KNOWN, DRILL AND GROUTE #5 BAR DOWELS AS SHOWN IN END TREATMENT DETAILS. WHEN DIRECTED BY THE RESIDENT ENGINEER, ANY EXISTING U-BARS SHALL BE REMOVED AND SUBSEQUENTLY REPLACED BY #5 BAR DOWELS AS REQUIRED TO PROVIDE THE NECESSARY VERTICAL REINFORCEMENT. PAYMENT FOR ALL DRILLING AND GROUTING SHALL BE CONSIDERED SUBSIDIARY TO ITEM 501.22 CONCRETE - CLASS A.
2. WHEN POURING NEW CONCRETE CURBS, THE CONCRETE SHALL BE POURED BACK TO THE ORIGINAL CURB LINE AND GRADE.
3. THE REMOVAL OF CONCRETE CURBING ON BR 42 TO THE LIMITS SHOWN WILL BE PAID FOR AS ONE EACH UNDER THE ITEM 529.20 PARTIAL REMOVAL OF STRUCTURE. THE RUBBLE CREATED BY THE REMOVAL SHALL NOT BE LEFT AT THE BRIDGE SITE, BUT SHALL BE DISPOSED OF PROPERLY AS DIRECTED BY THE RESIDENT ENGINEER.
4. POLYURETHANE JOINT SEALER AND CORK EXPANSION MATERIAL SHALL BE USED BETWEEN THE NEW CONCRETE CURB AND THE EXISTING CONCRETE CURB. PAYMENT FOR THE JOINT SEALER SHALL BE MADE UNDER ITEM 524.20 JOINT SEALER, POLYURETHANE. PAYMENT FOR THE CORK EXPANSION MATERIAL SHALL BE CONSIDERED SUBSIDIARY TO ITEM 501.22 CONCRETE - CLASS A.

DATUM	
VERTICAL	<u>N/A</u>
HORIZONTAL	<u>N/A</u>

BRIDGE CURB DETAIL SHEET

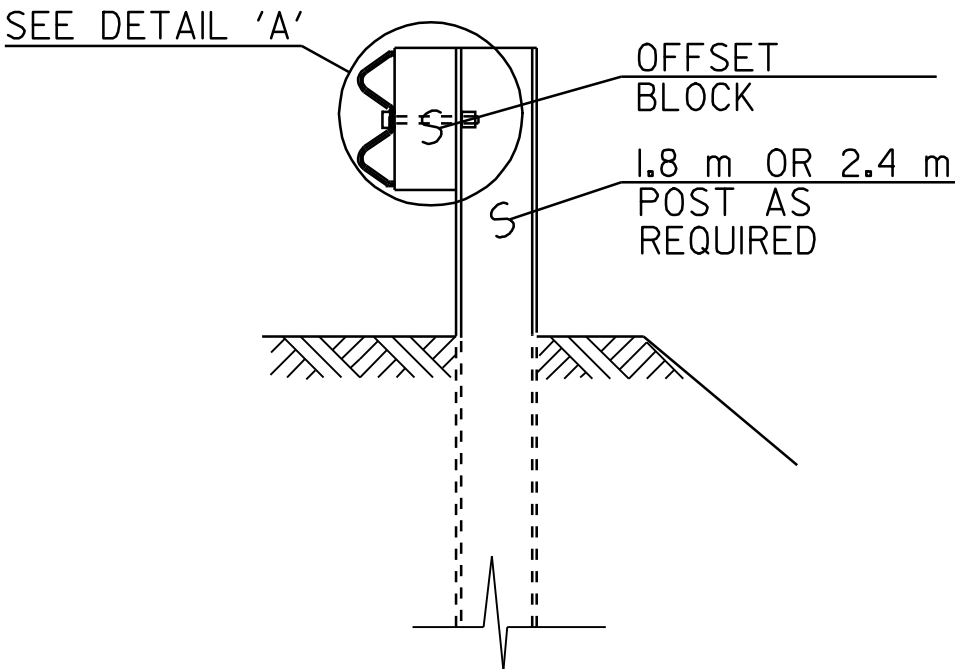
SURVEYED BY	<u>N/A</u>	DATE	<u>N/A</u>
DRAWN BY	<u>C.A.K.</u>	DATE	
SQUAD LEADER	<u>T.P.K.</u>		
DESIGN FILE NO.	<u>pb024bed.L</u>	DATE PLOTTED	<u>\$DATE\$</u>
IPARM FILE	<u>pb024bed.L</u>		
PROJ. NAME	<u>LUDLOW - MI. HOLLY</u>		
PROJ. NO.	<u>NH_2327(1)S</u>		
SHEET	<u>83</u>	OF	<u>84</u>
		SHEETS	



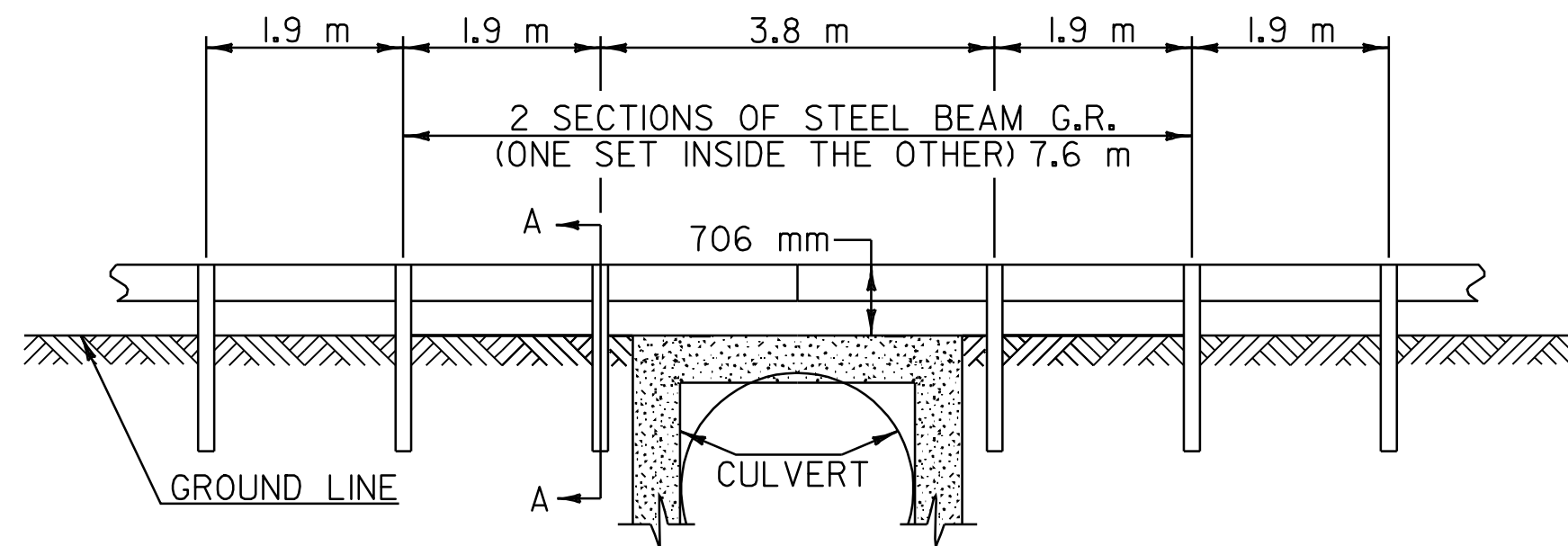
DETAIL A
NOT TO SCALE

NOTES

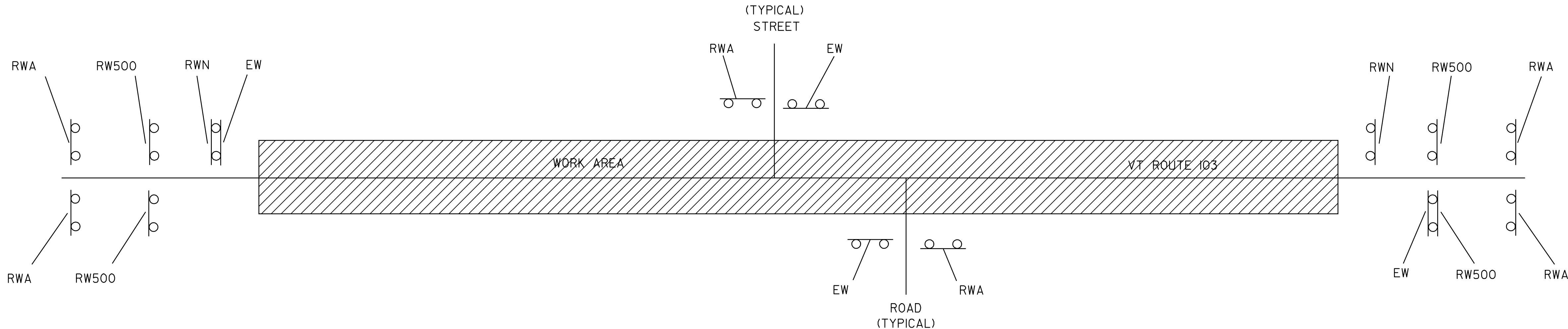
1. SEE STANDARD G-IM FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20 STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.



SECTION A-A
NOT TO SCALE



DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS
NOT TO SCALE



LEGEND

- RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FEET
EW = END WORK
RWN = ROAD WORK NEXT 5 MILES

CONSTRUCTION APPROACH SIGNING

SEE STD. E-100M FOR SIGN PLACEMENT

RESIDENT ENGINEER, AT HIS OR HER DISCRETION, MAY
ELIMINATE CONSTRUCTION APPROACH SIGNING AT
DEAD END LOCATIONS

**GUARDRAIL
DETAIL &
CONSTRUCTION
APPROACH
SIGNING
SHEET**

SURVEYED BY	N/A	DATE	N/A
DRAWN BY	C.A.K.	DATE	
SQUAD LEADER	T.P.K.		
DESIGN FILE NO.	pb024gd.I	DATE PLOTTED	\$DATE\$
IPARM FILE	pb024gd.I		
PROJ. NAME	LUDLOW - MI. HOLLY		
PROJ. NO.	NH_232111S		
SHEET	84	OF	84
SHEETS			

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A