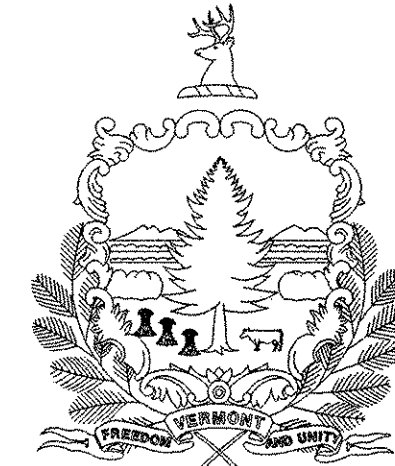


STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWNS OF CHESTER, CAVENDISH
& LUDLOW
COUNTY OF WINDSOR
VT. ROUTE 103

BEGINNING IN CHESTER ON VT ROUTE 103 AT STATION 225+45 (MM 4.270)
AND EXTENDING NORTHERLY ALONG ROUTE 103 A DISTANCE OF
10.484 MILES (55,356.12 FEET) TO STATION L 68+60.00 (MM 1.299) IN LUDLOW.

PROJECT DATA

FROM STA 225+45 (MM 4.270) TO STA L 68+60.00 (MM 1.299)

LENGTH OF ROADWAY = 10.484 MILES (55,355.52 FEET)

LENGTH OF PROJECT = 10.484 MILES (55,355.52 FEET)

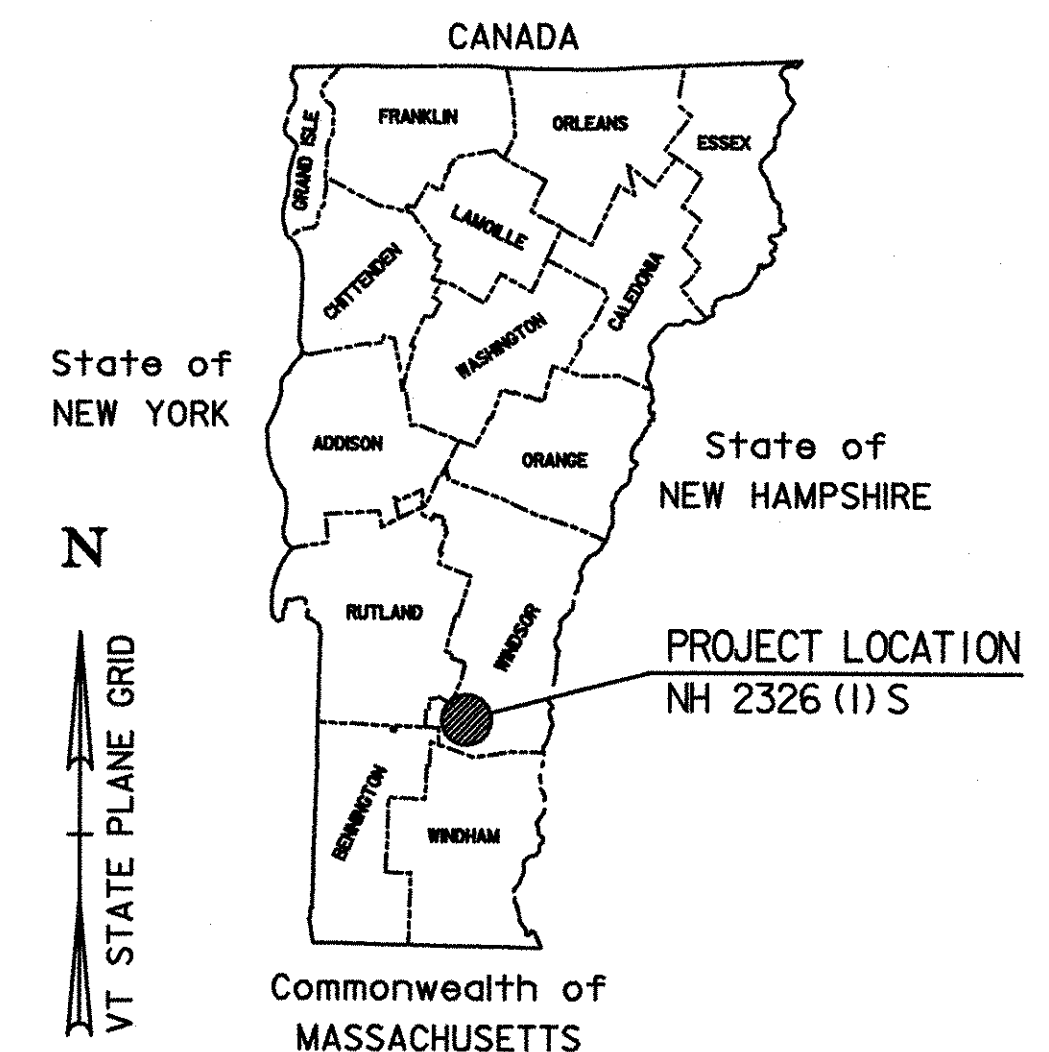
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING, COLD PLANING AND RESURFACING
OF THE EXISTING HIGHWAY WITH A BINDER (OR LEVELING) COURSE, WEARING COURSE, NEW PAVEMENT
MARKINGS, GUARDRAIL, SIGNS, AND INCIDENTAL ITEMS AS SHOWN IN THE PROJECT QUANTITIES.

TRAFFIC DATA

MM 4.421 - 7.640	
2006 ADT	= 5000
2006 DHV	= 570
2016 ADT	= 5900
2016 DHV	= 660
2006-2016 ESALS	= 2,168,000
2006-2026 ESALS	= 5,140,000
MM 7.640 - 8.750	
2006 ADT	= 6800
2006 DHV	= 760
2016 ADT	= 8000
2016 DHV	= 880
2006-2016 ESALS	= 2,943,000
2006-2026 ESALS	= 6,968,000
MM 8.750 - 2.820	
2006 ADT	= 5800
2006 DHV	= 650
2016 ADT	= 6800
2016 DHV	= 760
2006-2016 ESALS	= 1,806,000
2006-2026 ESALS	= 4,307,000
MM 2.820 - 1.289	
2006 ADT	= 8900
2006 DHV	= 970
2016 ADT	= 10400
2016 DHV	= 1100
2006-2016 ESALS	= 2,546,000
2006-2026 ESALS	= 6,034,000

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESAL	3,484,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	64-28



RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER: CHAD GREENWOOD
CONSTRUCTION BEGAN: MAY 1, 2007
CONSTRUCTION COMPLETE: AUGUST 7, 2008
RECORD PLANS BY: C. GREENWOOD & C. PIERCE

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

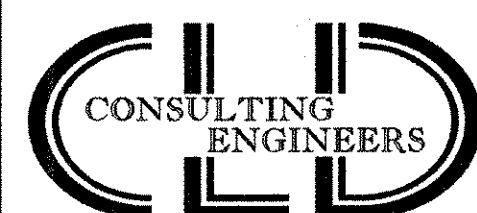
BY Chad Greenwood RESIDENT ENGINEER
DATE 5/6/09

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.

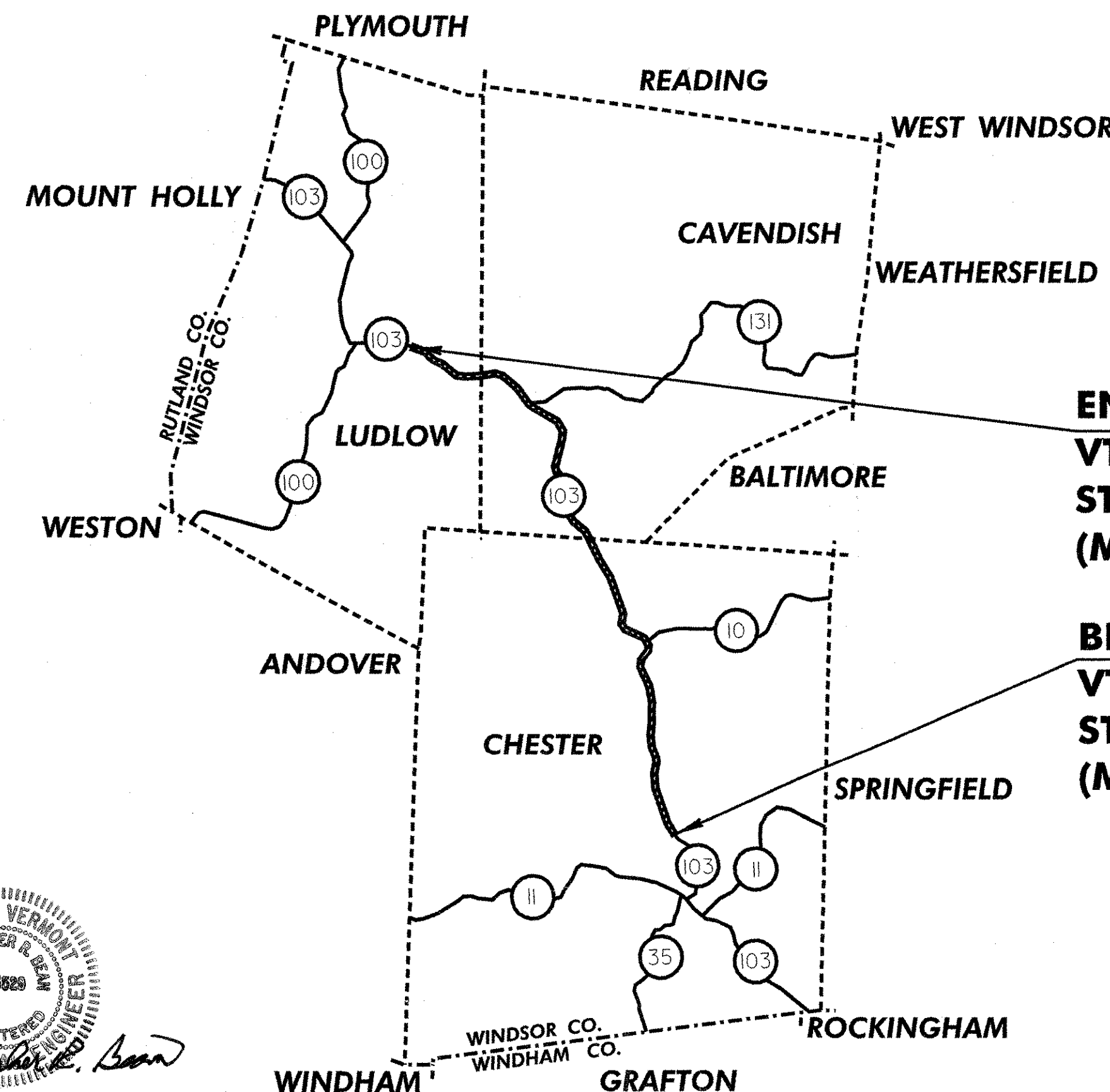
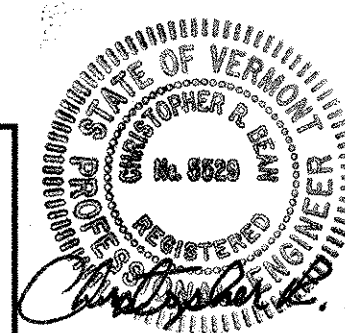
CONVENTIONAL SYMBOLS

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

DATUM
VERTICAL N/A
HORIZONTAL N/A



540 Commercial Street
Manchester, NH 03101
Tel: (603) 668-9223
Fax: (603) 668-9802
email: cld@clde.com
Maine • New Hampshire • Vermont



END NH 2326(1)S
VT RTE 103
STA L 68+60
(MM 1.299)

BEGIN NH 2326(1)S
VT RTE 103
STA 225+45.00
(MM 4.270)

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

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.

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED <u>Richard F. Farnsworth</u>	DATE <u>11-14-06</u>
PROJECT MANAGER:	MARK WOOLAYER
PROJECT NAME :	CHESTER-LUDLOW
PROJECT NUMBER :	NH 2326 (1) S
SHEET 1 OF 110 SHEETS	

INDEX OF SHEETS	
1	TITLE SHEET
2	INDEX OF SHEETS
3-6	PROJECT TYPICAL SHEETS
7	TYPICAL PAVEMENT MARKINGS SHEET
8-10	QUANTITY SHEETS
11-13	ITEM DETAIL SHEETS
14	DITCH CLEANING DETAIL SHEET
15-70	PAVING PROJECT LAYOUT SHEETS
71-72	INTERSECTION DETAIL SHEETS
73	TH 17 PROFILE/ CROSS SECTIONS SHEET
74-78	SUPERELEVATION BANKING DIAGRAM SHEETS
79-105	TRAFFIC SIGN SUMMARY SHEETS
106	SIGN DETAIL SHEET
107-109	BRIDGE DETAIL SHEETS
110	CONSTRUCTION APPROACH SIGNING

SEEDING FORMULA – RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

SEEDING NOTES

- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
- AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, 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.

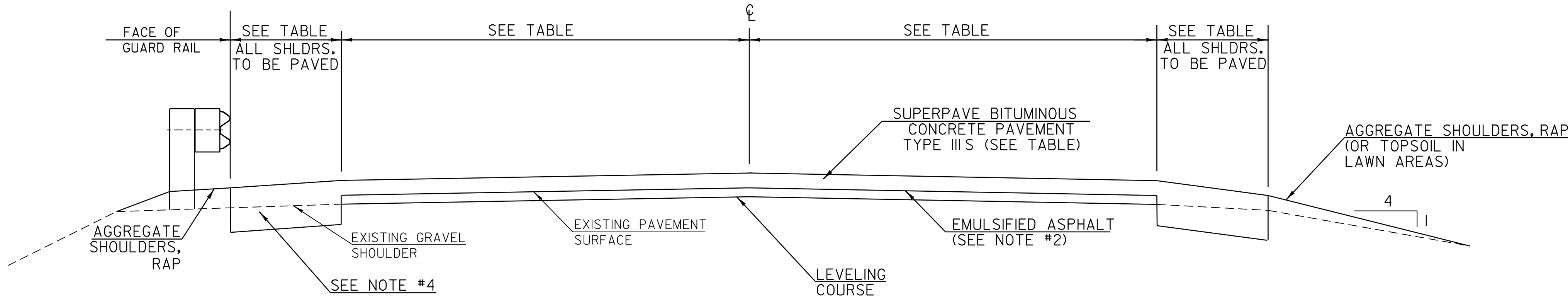
STANDARDS

D-6	REINFORCED CONCRETE DROP INLET W/ GRATE (DITCHES)	06/01/94
D-8	REINFORCED CONCRETE DROP INLET W/ PRECAST COVER & GRATE (BOTTOM SECTION)	01/03/00
E-100	CONSTRUCTION APPROACH SIGNS	01/02/04
E-100A	SIDE ROAD CONSTRUCTION - APPROACH SIGNS	01/02/04
E-101	CONSTRUCTION SIGN DETAILS	05/30/03
E-102	CONSTRUCTION SIGN DETAILS	06/30/03
E-102A	CONSTRUCTION SIGN DETAILS	05/01/04
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03/01/04
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	06/30/03
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08/08/95
E-111	MINOR MAINTENANCE OPERATION	03/11/97
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08/08/95
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	03/16/04
E-124	TOWN LINE SIGNS	08/08/95
E-127	ROUTE MARKINGS AT RURAL INTERSECTIONS	08/08/95
E-128A	DETAILING VILLAGE SIGNS (A-M)	08/08/95
E-128B	DETAILING VILLAGE SIGNS (N-W)	08/08/95
E-132	GENERAL MOTORIST SERVICE SIGN DETAILS	08/18/95
E-134	BRIDGE NUMBER PLAQUE	08/08/95
E-136B	STATE ROUTE MARKER SIGN DETAILS	08/08/95
E-138	MILE MARKER DETAILS-STATE AND TOWN HIGHWAYS	05/30/03
E-141	REGULATORY SIGN DETAILS	09/20/95
E-142	REGULATORY SIGN DETAILS	09/20/95
E-143	REGULATORY SIGN DETAILS	06/15/04
E-144	REGULATORY SIGN DETAILS	03/29/99
E-145A	REGULATORY SIGN DETAILS-LANE USE CONTROL SIGNS	12/23/94
E-146	REGULATORY SIGN DETAILS	09/20/95
E-150	WARNING SIGN DETAILS	05/01/04
E-151	WARNING SIGN DETAILS	05/01/04
E-152	WARNING SIGN DETAILS	05/01/04
E-153	WARNING SIGN DETAILS	05/01/04
E-154	WARNING SIGN DETAILS	05/01/04
E-155	WARNING SIGN DETAILS	05/01/04
E-160	FLANGED CHANNEL STEEL SIGN POST	05/20/99
E-164	SQUARE STEEL SIGN POST	05/20/99
E-190	RAILROAD CROSSING SIGNS & PAVEMENT MARKINGS	06/30/03
E-191	PAVEMENT MARKING DETAILS	02/01/99
E-192	PAVEMENT MARKING DETAILS	10/12/00
E-193	PAVEMENT MARKING DETAILS	08/18/95
G-1	STEEL BEAM GUARDRAIL (50 MPH OR OVER) HEAVY DUTY STEEL BEAM GUARDRAIL ANCHOR FOR STEEL RAIL	01/03/00
G-1D	STEEL BEAM GUARDRAIL (40 MPH OR LESS) HEAVY DUTY STEEL BEAM GUARDRAIL ANCHOR FOR STEEL BEAM RAIL	01/03/00
G-17A	MODIFIED ECCENTRIC LOADER TERMINAL (MELT)	09/27/02
G-17B	MODIFIED ECCENTRIC LOADER TERMINAL (MELT)	09/27/02
SB-R4B-82	GUARD RAIL APPROACH SECTION, TYPE I & II	09/19/88
SB-R6-82	BRIDGE RAILING - HEAVY DUTY STEEL BEAM	01/06/95

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

INDEX OF SHEETS

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/05
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038in01.i	DATE PLOTTED	6-00CT-2009 16
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	2	OF	110 SHEETS



OVERLAY TYPICAL SECTION

NOT TO SCALE

CHESTER	-	STA 371+70	TO	399+05
	-	STA 408+60	TO	443+20
	-	STA 447+73	TO	494+41
	-	STA 497+69	TO	513+16
CAVENDISH	-	STA 112+10	TO	131+30
	-	STA 133+05	TO	141+97
	-	STA 143+57	TO	197+23
	-	STA 0+00	TO	68+60 (NO LEVELING)

PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	LANE TYPICAL	TYPE III S	TYPE II S	LEVELING TONS	NOTES
VT ROUTE 103 CHESTER	225+45	371+70	3.0-11.0-11.0-3.0	3 1/2	2 1/2"	0.0	COLD PLANE 5", RECLAIM 8", OVERLAY 6"
	371+70	373+00	VARIES SEE LAYOUT	1 3/4		14.0	LEVEL AND OVERLAY
	373+00	398+00	10.0-12.0-12.0-10.0	1 3/4		340.0	LEVEL AND OVERLAY
	398+00	399+05	VARIES SEE LAYOUT	1 3/4		15.0	LEVEL AND OVERLAY
	399+05	408+60	VARIES SEE LAYOUT	1 3/4		197.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	408+60	410+20	9.0-12.0-12.0-9.0	1 3/4		21.0	LEVEL AND OVERLAY
	410+20	442+20	9.0-12.0-12.0-9.0	1 3/4		415.0	LEVEL AND OVERLAY
	442+20	443+20	VARIES SEE LAYOUT	1 3/4		11.0	LEVEL AND OVERLAY
	443+20	447+73	3.0-12.0-12.0-3.0	1 3/4		0.0	COLD PLANE 1" AND OVERLAY, BRIDGE 14
	447+73	448+73	VARIES SEE LAYOUT	1 3/4		11.0	LEVEL AND OVERLAY
	448+73	494+41	9.0-12.0-12.0-9.0	1 3/4		592.0	LEVEL AND OVERLAY
	494+41	495+41	VARIES SEE LAYOUT	1 3/4		11.0	LEVEL AND OVERLAY
	495+41	497+69	3.0-12.0-12.0-3.0	1 3/4		0.0	COLD PLANE 1" AND OVERLAY, BRIDGE 16
	497+69	498+69	VARIES SEE LAYOUT	1 3/4		13.0	LEVEL AND OVERLAY
	498+69	513+16	9.0-12.0-12.0-9.0	1 3/4		188.0	LEVEL AND OVERLAY
CAVENDISH	0+00	1+45	9.0-12.0-12.0-9.0	1 3/4		19.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	1+45	2+00	VARIES SEE LAYOUT	1 3/4		7.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	2+00	27+50	7.0-12.0-12.0-7.0	1 3/4		299.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	27+50	30+90	VARIES SEE LAYOUT	1 3/4		41.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	30+90	39+00	4.0-12.0-23.0-2.0	1 3/4		103.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	39+00	39+80	VARIES SEE LAYOUT	1 3/4		10.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	39+80	74+20	1.0-12.0-23.0-2.0	1 3/4		403.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	74+20	81+00	VARIES SEE LAYOUT	1 3/4		78.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	81+00	95+00	6.0-12.0-12.0-6.0	1 3/4		155.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	95+00	96+00	VARIES SEE LAYOUT	1 3/4		12.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	96+00	104+00	8.0-12.0-12.0-8.0	1 3/4		99.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	104+00	105+00	VARIES SEE LAYOUT	1 3/4		13.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	105+00	108+00	9.0-12.0-12.0-9.0	1 3/4		39.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	108+00	109+00	VARIES SEE LAYOUT	1 3/4		13.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	109+00	112+10	10.0-12.0-12.0-10.0	1 3/4		42.0	COLD PLANE 2 1/4", LEVEL AND OVERLAY
	112+10	130+30	10.0-12.0-12.0-10.0	2		247.0	LEVEL AND OVERLAY
	130+30	131+30	VARIES SEE LAYOUT	2		11.0	LEVEL AND OVERLAY
	131+30	133+05	3.0-12.0-12.0-3.0	2		0.0	COLD PLANE 2" AND OVERLAY, BRIDGE 21
	133+05	134+25	VARIES SEE LAYOUT	2		14.0	LEVEL AND OVERLAY
	134+25	141+97	10.0-12.0-12.0-10.0	2		91.0	LEVEL AND OVERLAY
	141+97	142+57	10.0-12.0-12.0-10.0	2		0.0	COLD PLANE 1" AND OVERLAY, BRIDGE 21A
	143+57	154+40	10.0-12.0-12.0-10.0	2		147.0	LEVEL AND OVERLAY
	154+40	155+30	VARIES SEE LAYOUT	2		12.0	LEVEL AND OVERLAY
	155+30	197+23	8.0-12.0-12.0-8.0	2		518.0	LEVEL AND OVERLAY
LUDLOW	0+00	1+00	8.0-12.0-12.0-8.0	2		0.0	OVERLAY
	1+00	3+75	VARIES SEE LAYOUT	2		0.0	OVERLAY
	3+75	66+00	3.0-11.0-11.0-3.0	2		0.0	OVERLAY
	66+00	68+60	VARIES SEE LAYOUT	2		0.0	OVERLAY

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

GENERAL NOTES

1. THE WEARING COURSE SHALL BE TYPE III S, THE BASE COURSE SHALL BE TYPE II S AND THE LEVELING COURSE SHALL BE TYPE IV S, ITEM 490.30 AS SHOWN ON THE TYPICALS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.026 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" ± (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
4. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" ± 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. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED. ALL WASTE, BORROW, STAGING AREAS AND HAUL ROADS NEED PRIOR REVIEW AND APPROVAL BY THE VTRANS ENVIRONMENTAL SECTION, PURSUANT TO THEIR STANDARD REVIEW AND APPROVAL PROCESS. AN ADDITIONAL QUANTITY OF RAP FOR SUBBASE HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION. AN ESTIMATED THICKNESS OF 2" HAD BEEN INCLUDED FOR THE ENTIRE RECLAIMED SURFACE AREA.
5. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICALS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 490.30.
6. ALL DRIVES, TOWN HIGHWAYS AND MAILBOX TURNOUTS SHALL RECEIVE A PAVED APRON UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. PAVER SHALL FEATHER APRON OVER EXISTING SURFACE.
7. THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED. ALL GUARDRAIL USED ON THIS PROJECT SHALL BE STEEL BEAM WITH STEEL POSTS AND WOOD BLOCKOUTS (OR ACCEPTED ALTERNATE).
8. YIELDING MARKER POSTS SHALL BE PLACED AS INDICATED OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL YIELDING MARKER POSTS WILL BE USED TO MARK INLET AND OUTLETS OF CROSS PIPES ONLY.
9. ESTIMATED QUANTITIES OF ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES WITH EXCAVATED DITCHING MATERIAL. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF AGGREGATE SHOULDERS, RAP, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDERS, RAP FOR EACH GUARDRAIL TERMINAL. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR ADDITIONAL MATERIAL, IF NEEDED, FOR FLARE CONSTRUCTION.
10. GRASS GROWING ADJACENT TO PAVEMENT, OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE REPLACEMENT OF NEW BITUMINOUS CONCRETE, SHALL BE REMOVED BY THE CONTRACTOR OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)
11. ITEM 604.40 AND 604.412 ARE ESTIMATED QUANTITIES AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
12. PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH THE PROJECT, SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE DITCH CLEANING DETAIL SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
13. PARTS OF THE PROJECT ARE LOCATED IN WATER SOURCE & WELLHEAD PROTECTION AREAS. EVERY PRECAUTION SHALL BE MADE WHILE FUELING VEHICLES AND EQUIPMENT SO AS TO AVOID SPILLAGE OF HAZARDOUS SUBSTANCES.

PROJECT
TYPICAL
SHEET 1

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	5/05
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038ty01.i	DATE	6 OCT-2009 16
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	3	OF	110 SHEETS



1. ONLY TO BE USED WITH REMOVING AND RESETTING GUARDRAIL (STEEL BEAM) OR WITH NEW STEEL BEAM GUARDRAIL
2. THE PREPARATION OF BED, PLACING AND SEALING OF BITUMINOUS CONCRETE CURB SHALL BE IN CONFORMANCE WITH SECTION 616. OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. APPROXIMATE WEIGHT OF CURB = 33.2 LBS/LF.
(FOR ESTIMATING TONNAGE)



CAVENDISH - STA 0+00
112+10
130+30
134+25
140+97
143+57

DATUM	
VERTICAL	N/ A
HORIZONTAL	N/ A

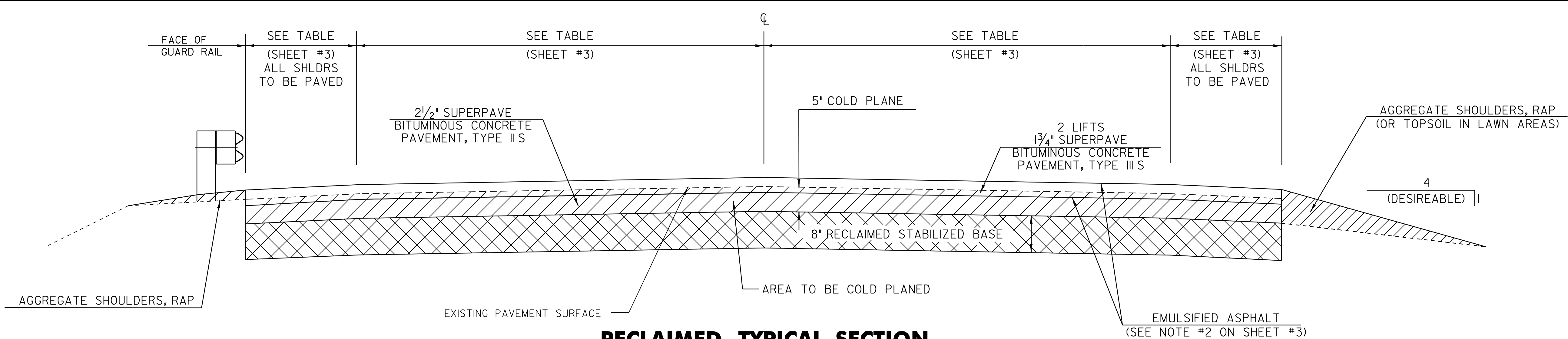


BRIDGE COLD PLANE DETAIL

APPROACH AREA DETAIL

PROJECT TYPICAL SHEET 2

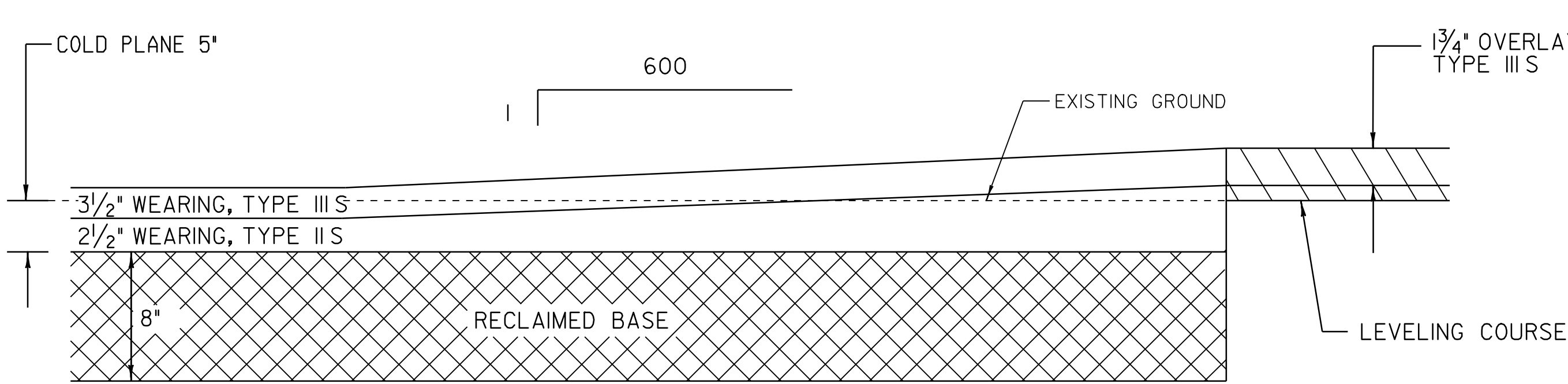
SURVEYED BY CLD DATE 1/05
DRAWN BY MRS DATE 7/06
SQUAD LEADER CRB
DESIGN FILE NO. /pave/01b038/pb038.dgn
IPARM FILE pb038ty02.i DATE PLOTTED 16 OCT-2009 1
PROJ. NAME CHESTER - LUDLOW
PROJ. NO. NH 2326(1)S
SHEET 4 OF 110 SHEETS



RECLAIMED TYPICAL SECTION

NOT TO SCALE

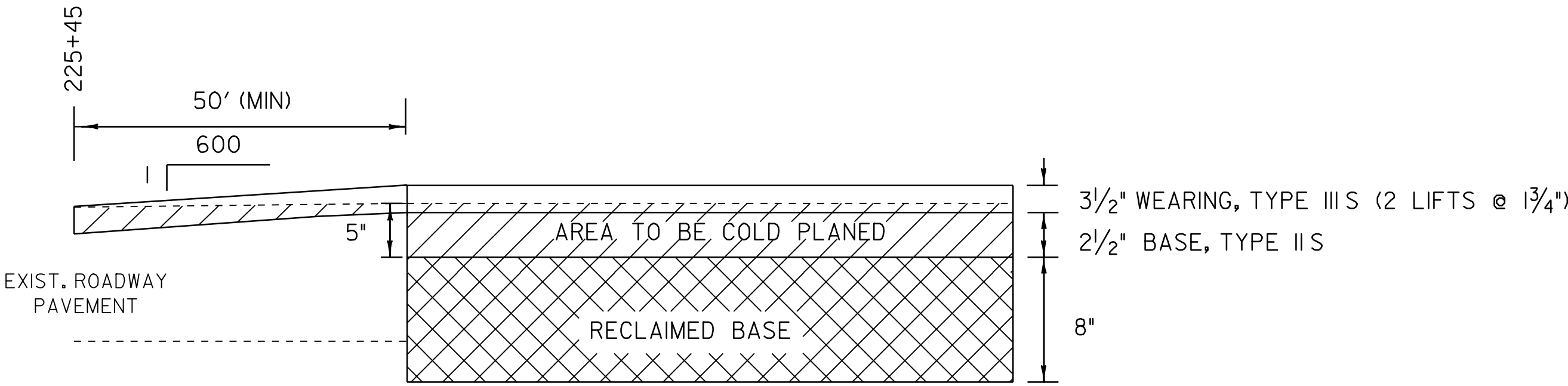
CHESTER
STA 225+45 TO 371+70



RECLAIMED TRANSITION AREA DETAIL

NOT TO SCALE

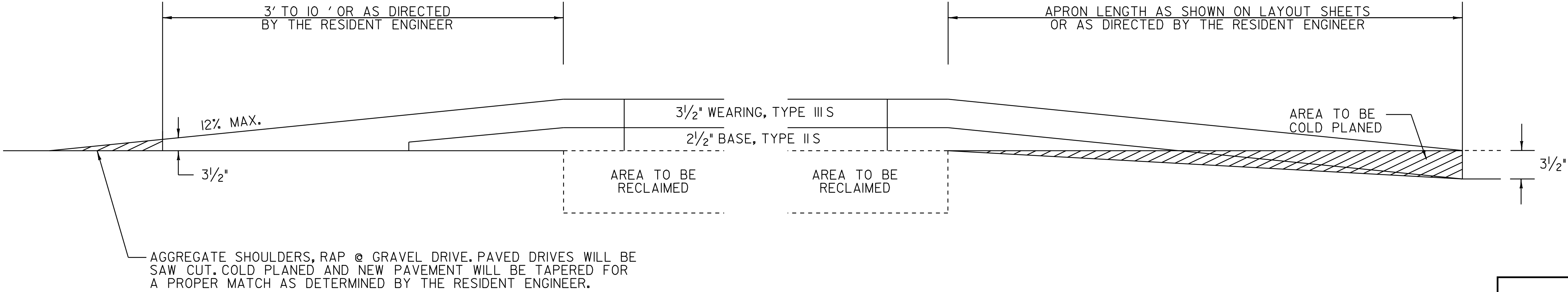
CHESTER
STA 371+70 END RECLAIM/ BEGIN LEVEL AND OVERLAY



RECLAIMED APPROACH AREA DETAIL

NOT TO SCALE

CHESTER
STA 225+45



DRIVEWAY TRANSITION DETAIL
@ RECLAIMED STABILIZED BASE AREAS

NOT TO SCALE

TOWN HIGHWAY TRANSITION DETAIL
@ RECLAIMED STABILIZED BASE AREAS

NOT TO SCALE

PROJECT
TYPICAL
SHEET 3

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/05
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038ty03.i	DATE PLOTTED	6 OCT-2009 16
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	5 OF 110 SHEETS		

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

ASPHALTIC PLUG BRIDGE JOINT
GENERAL NOTES

INSTALLATION:

THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER’S RECOMMENDED WIDTH.

THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.

THE JOINT AREA SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.

PROPERLY SIZED HEAT RESISTANT BACKER ROD SHALL BE PLACED IN THE MOVEMENT GAP ALLOWING FOR 25MM (1INCH) +/- OF BINDER ABOVE THE ROD.

THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.

PLACE 6 MM (1/4 INCH) THICK BY 200 MM (8 INCH) WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER.

- A. THE STEEL PLATES MAY BE OMITTED WHERE THE APPROACH SLAB IS COVERED WITH A STONE BASE OR BITUMINOUS PAVEMENT, AND VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.

THE INSTALLATION OF MATERIAL, COMPACTION, AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

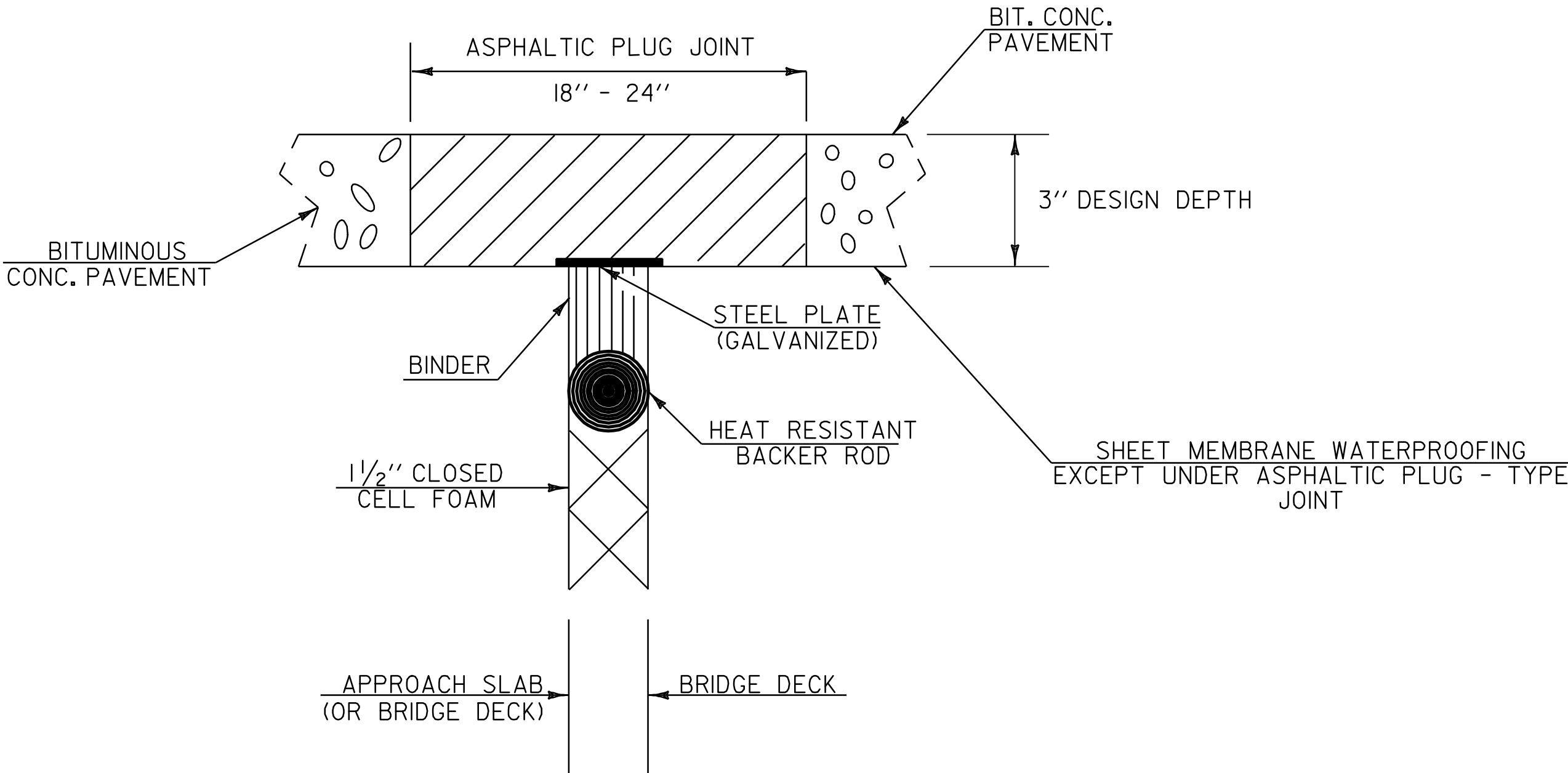
IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 52 C° +/- (125°F).

WEATHER LIMITATIONS:

BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:

- (A) THE AMBIENT AIR TEMPERATURE IS AT LEAST 10° C (50° F) AND RISING.
- (B) THE ROAD SURFACE IS SUFFICIENTLY DRY.
- (C) WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF THE SATISFACTORY WORK.



ASPHALTIC PLUG-TYPE
JOINT DETAIL
NOT TO SCALE

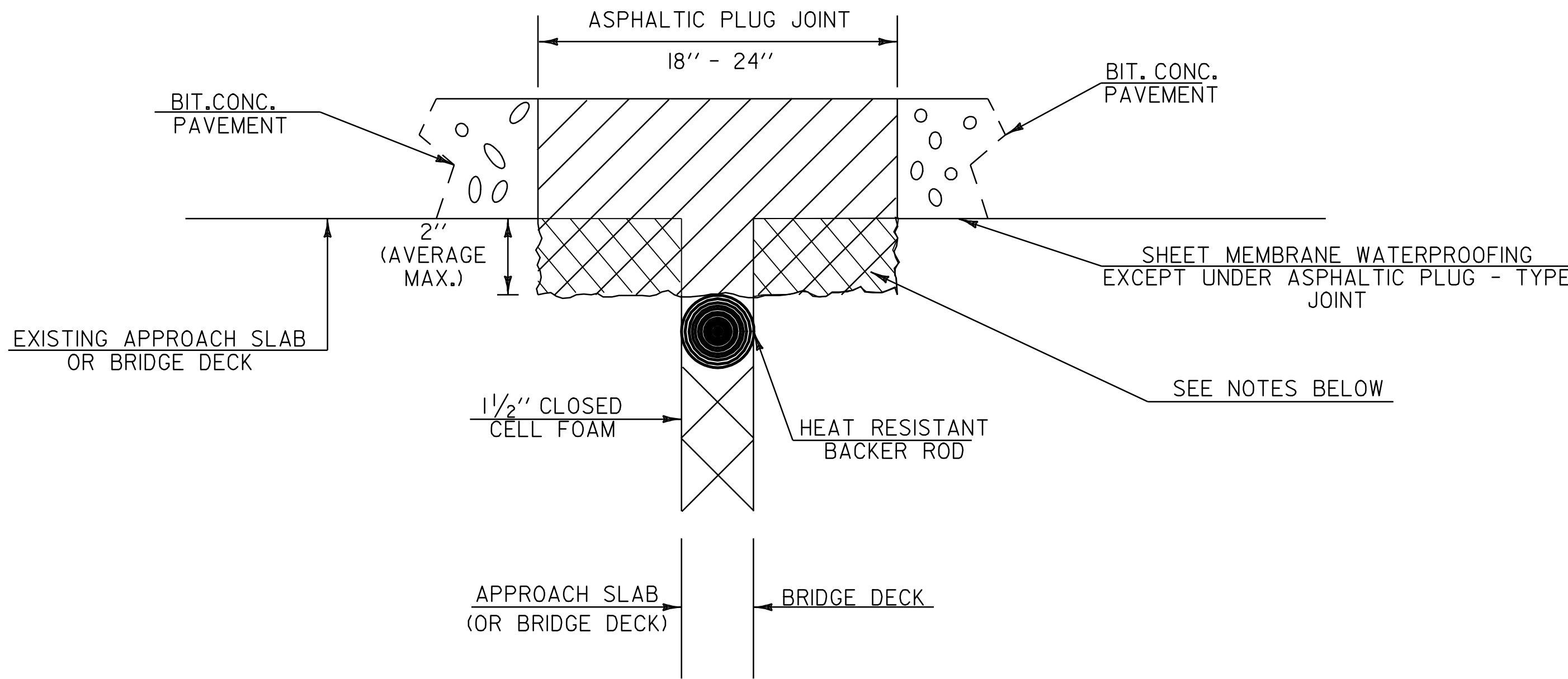
CHESTER
BRIDGE #14 - 4 EXPANSION JOINTS
BRIDGE #16 - 4 EXPANSION JOINTS

CAVENDISH
BRIDGE #21 - 4 EXPANSION JOINTS
BRIDGE #21A - 2 EXPANSION JOINTS

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT
TYPICAL
SHEET 4

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038ty04.i	DATE	6 OCT-2009 16
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	6	OF	110 SHEETS

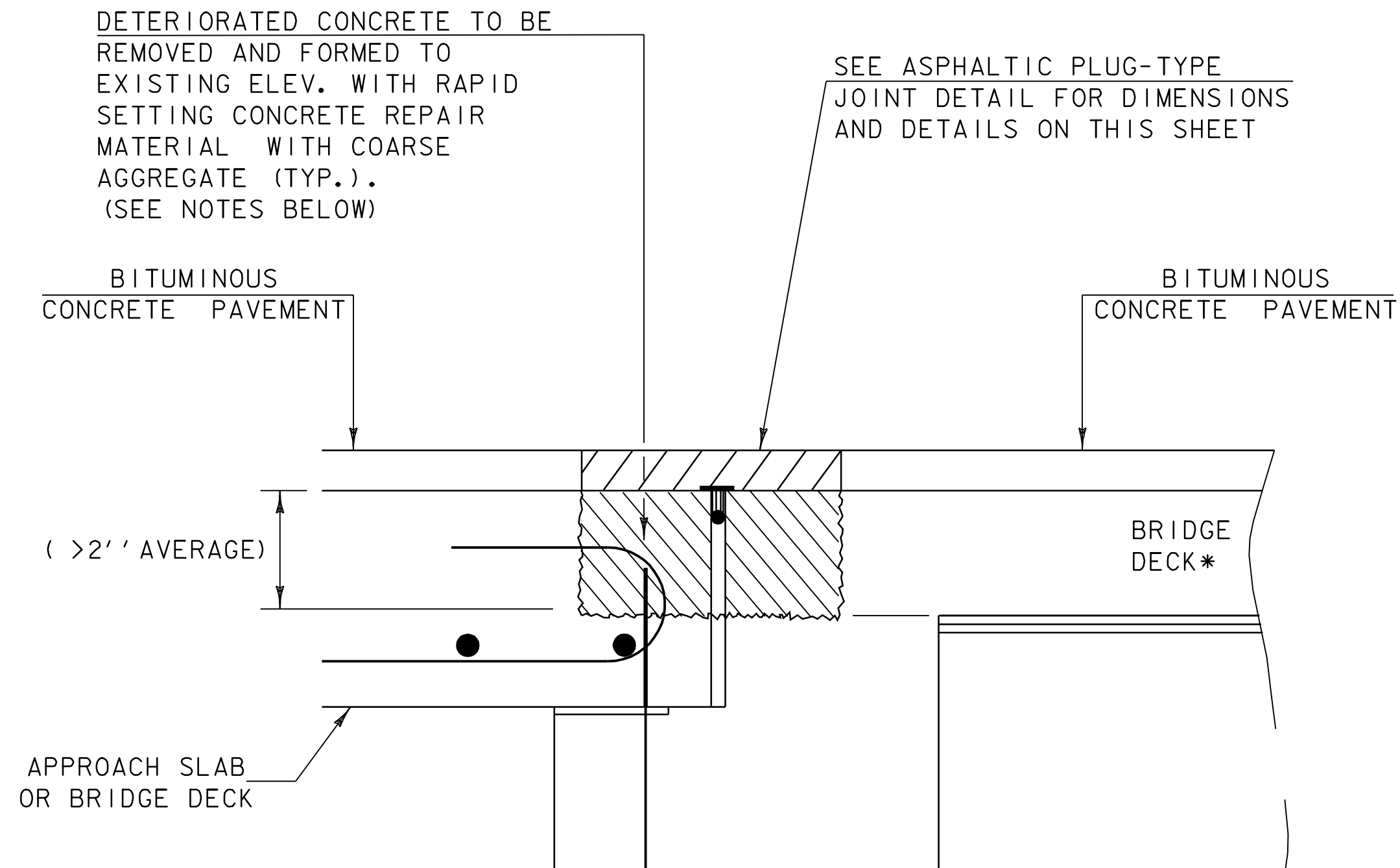


**ASPHALTIC PLUG-TYPE
JOINT DETAIL
REMOVAL OF UP TO
2" DETERIORATED CONCRETE**

NOT TO SCALE

NOTES:

- UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
- REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.
- THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.



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

*BRIDGE DECK REINFORCEMENT
NOT SHOWN FOR CLARITY

NOT TO SCALE

NOTES:

- UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
- REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 "RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE".
- THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

**PROJECT
TYPICAL
SHEET 5**

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038ty05.i	DATE	10/05/2009
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	6A	OF	110 SHEETS

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
							ROADWAY	ROADWAY (NO FED. PART.)	TRAINING	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
							10					10		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	1.6			COLD PLANING, BITUMINOUS PAVEMENT
							2450					2450		CY	EARTH BORROW	203.30	32	56505	SY	CHESTER
							1					1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.	45283	SY	CAVENDISH
							106500					106500		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	1288	0	SY	LUDLOW
							400					400		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	60	3424	SY	TOWN HIGHWAYS
							46000					46000		SY	RECLAIMED STABILIZED BASE	310.20	500	105212	SY	SUBTOTAL
							12050					12050		T	AGGREGATE SHOULDERS, RAP	402.13	118	1288	SY	ROUNDING
							920					920		CWT	EMULSIFIED ASPHALT	404.65	11	106500	SY	TOTAL
							1					1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-			AGGREGATE SHOULDERS, RAP
							45000					45000		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)	490.30	637	9427	TON	CHESTER
							1					1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-	1701	TON	CAVENDISH
							1					1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-	632	TON	LUDLOW
							1					1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-	34	TON	T.H. 17
							1					1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-	138	TON	GUARDRAIL TERMINALS
										1		1		CY	CONCRETE, HIGH PERFORMANCE CLASS AA	501.32	0.3	11932	TON	SUBTOTAL
										845		845		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	9	118	TON	ROUNDING
										25		25		LF	REMOVAL OF EXISTING RAILING	525.10	3	12050	TON	TOTAL
										1		1		CY	REMOVAL OF CONCRETE OR MASONRY	529.25	0.3			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)
										100		100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	-	31267	TON	VT 103, TYPE III S, WEARING COURSE
							50					50		LF	12" CSP .064 (2-2/3 X 1/2)	601.0005	-	7584	TON	VT 103, TYPE II S, BASE COURSE
							2					2		EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.	5083	TON	VT 103, TYPE IV S, LEVELING COURSE
							1					1		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.	24	TON	T.H. 17 TYPE II S BINDER COURSE
							50					50		HR	ROADWAY PATROL MAINTENANCE	607.10	EST.	343	TON	TOWN HIGHWAYS
							250					250		HR	POWER GRADER RENTAL	608.15	EST.	62	TON	DRIVES
							245					245		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	3	44363	TON	SUBTOTAL
							255					255		HR	POWER BROOM RENTAL, TYPE I	608.30	2	637	TON	ROUNDING
							245					245		HR	TRUCK RENTAL	608.37	3	45000	TON	TOTAL
							245					245		HR	LOADER RENTAL, TYPE I	608.40	3			STONE FILL, TYPE I
							1500					1500		MGAL	DUST CONTROL WITH WATER	609.10	28			
							600					600		CY	STONE FILL, TYPE I	613.10	47			
							20					20		TON	BITUMINOUS CONCRETE CURB, TYPE B	616.31	3.4			
							1					1		TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	EST.			
							80					80		EACH	YIELDING MARKER POSTS	619.17	EST.			
							26000					26000		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	339			
							2250					2250		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	37.5			
							135					135		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	5			
							68					68		EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-			
							2					2		EACH	MANUFACTURED TERMINAL SECTION, TANGENT	621.51	-			
							23					23		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
							8					8		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70	-			

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
							ROADWAY	ROADWAY (NO FED. PART.)	TRAINING	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER				ROUND
							8					8		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71	-			
							27500					27500		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	211			
							4					4		EACH	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	-			
							2300					2300		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
							4600					4600		HR	FLAGGERS	630.15	EST.			
											1	1		LS	FIELD OFFICE, ENGINEERS	631.10	-			
											1	1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-			
											1	1		LS	TESTING EQUIPMENT, BITUMNOUS	631.17	-			
											1	1		LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	-			
									520			520		HR	EMPLOYEE TRAINEESHIP	634.10	-			
							1					1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
							1					1		LS	TRAFFIC CONTROL	641.10	-			
							3					3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	EST.			
							107000					107000		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	1213			
							96500					96500		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	1052			
							900					900		LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	56			
							210					210		LF	DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC	646.452	9			
							400					400		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	11			
							98					98		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
							2					2		EACH	DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC	646.512	-			
							200000					200000		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	3340			
							178000					178000		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	1898			
							1750					1750		LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	62			
							205					205		LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	4			
							550					550		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	22			
							132					132		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
							2					2		EACH	TEMPORARY RAILROAD CROSSING SYMBOL, PAINT	646.712	-			
							4200					4200		EACH	LINE STRIPING TARGETS	646.76	55			
							490					490		LF	PAINTED CURB	646.81	4			
							1400					1400		SF	PAINTED ISLAND	646.82	13			
							1650					1650		SY	GEOTEXTILE UNDER STONE FILL	649.31	57			
							100					100		LB	SEED	651.15	9			
							835					835		LB	FERTILIZER	651.18	9			
							4					4		TON	AGRICULTURAL LIMESTONE	651.20	0.7			
							4					4		TON	HAY MULCH	651.25	0.7			
							80					80		CY	TOPSOIL	651.35	2			
							6400					6400		SY	PERMANENT EROSION MATTING	653.21	83			
							1210					1210		SF	TRAFFIC SIGNS, TYPE A	675.20	11.92			
																		PROJECT NAME: Chester-Ludlow		
																		PROJECT NUMBER: NY 2326(1)S		
																		FILE NAME: 01b038		
																		PROJECT MANAGER: M. Woolaver		
																		DESIGNED BY: JLR		
																		QUANTITY SHEET #2		
																		PLOT DATE: 01/23/2007		
																		DRAWN BY: JLR		
																		CHECKED BY: JLR		
																		SHEET 9 OF 110		

QUANTITY SHEET 3

[illegible]

	PROJECT NAME:	Chester-Ludlow		
	PROJECT NUMBER:	NY 2326(1)S		
	FILE NAME: 01b038	PLOT DATE:		01/23/2007
	PROJECT MANAGER: M. Woolaver	DRAWN BY:		JLR
	DESIGNED BY: JLR	CHECKED BY:		JLR
	QUANTITY SHEET #3	SHEET		10 OF 110

LOCATION			GUARDRAIL												DROP INLETS		DRAINAGE				MISCELLANEOUS					REMARKS			
STATION	STATION	POS.	616.31 BIT. CURB TYPE B TON		621.20 STEEL BEAM GUARDRAIL GALVANIZED LF	621.205 STEEL BEAM GUARDRAIL 8' POSTS LF	621.21 H.D. STEEL BEAM GUARDRAIL GALVANIZED LF	621.50 M.T.S. FLARED EA	621.51 M.T.S. TANGENT EA	621.60 ANCHOR FOR G.R. EA	621.70 APPR. SECTION GALVANIZED TYPE I EA	621.71 APPR. SECTION GALVANIZED TYPE II EA	621.80 REMOVE & DISP. G.R. LF	621.81 REMOVE & DISP. G.P. EA		604.40 CHANGE ELEVATION DT, CB, OR MH EA	604.412 REHAB. DT, CB OR MH, CLASS I EA												
CHESTER																2	1												FOR LOCATIONS SEE LAYOUT SHEETS. ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
225+45	513+16	LT&RT						2					353.0															MTS (FLARED) @ 238+36, MTS (FLARED) @ 241+11	
272+25	274+32	LT			207.0			1					222.0															MTS (FLARED) @ STA 272+25, ATTACH TO EXISTING GUARDRAIL AT FIRST SPLICE ON BRIDGE ON TH 50 (17.0' FROM EP).	
274+60	290+35	LT			1575.0								1142.0															ATTACH TO EXISTING GUARDRAIL AT 274+60 AND 290+35 SEE PAVING LAYOUTS FOR POST SPACING DETAIL AT UTILITY POLES	
290+60	293+67	LT			307.0			1					352.0															ATTACH TO EXISTING GUARDRAIL AT 9.6' FROM EP ONTO TH 118, MTS (FLARED) @ STA 293+67. SEE PAVING LAYOUTS FOR POST SPACING DETAIL AT UTILITY POLES	
294+40	299+78	LT			537.5			1		1			424.0															ANCHOR @ 294+40 (INSTALL 1-16' RADIUS PANEL), MTS (FLARED) @ 299+78 SEE PAVING LAYOUTS FOR POST SPACING DETAIL AT UTILITY POLES	
303+95	305+70	LT			175.0			2					263.0															MTS (FLARED) @ 303+95, MTS (FLARED) @ 305+70	
315+38	323+88	LT			850.0			1																				MTS (FLARED) @ 315+38, ATTACH TO EXISTING GUARDRAIL TH 18	
324+13	330+00	LT			600.0			1					646.0	4														ATTACH TO EXIST. GUARDRAIL AT FIRST SPLICE ON TH 18, MTS (FLARED) @ 330+00	
336+39	350+64	LT			1425.0			1		1			1016.0															ANCHOR @ 336+39 (INSTALL 1-16' RADIUS PANEL), MTS (FLARED) @ 350+64	
351+33	370+47	LT			1700.0	225.0		1					898.0															ATTACH TO EXIST. G.R. TH 77, MTS (FLARED) @ 370+47, 8' POSTS FROM 355+69 TO 356+95, 358+30 TO 359+30	
374+99	381+99	LT			700.0			2					777.0															MTS (FLARED) @ 374+99, MTS (FLARED) @ 381+99	
383+49	397+86	LT	12.3		1437.5			2					1510.0															MTS (FLARED) @ 383+49, MTS (FLARED) @ 397+86, BIT. CURB 390+00 - 397+42	
390+37	397+37	RT			700.0			2					769.0															MTS (FLARED) @ 390+37, MTS (FLARED) @ 397+37	
425+54	430+79	LT			525.0			2					489.0															MTS (FLARED) @ 425+54, MTS (FLARED) @ 430+79	
432+96	436+96	LT			400.0			2					474.0															MTS (FLARED) @ 432+96, MTS (FLARED) @ 436+96	
440+44	443+19	LT	4.3		262.5			1				1	313.0															MTS (FLARED) @ 440+44, APPROACH SECTION TYPE II 443+06 TO 443+19 (ATTACH TO EXISTING BRIDGE RAIL), BIT. CURB 440+60 - 443+20	
442+27	443+77	RT			100.0			1			1		192.0															MTS (FLARED) @ 442+27, APPROACH SECTION TYPE I 443+27 TO 443+77 (ATTACH TO EXISTING BRIDGE RAIL)	
447+11	447+99	LT			37.5			1			1		121.0															APPROACH SECTION TYPE I 447+11 TO 447+61 (ATTACH TO EXIST. BRIDGE RAIL) MTS (FLARED) @ 447+99	
447+69	459+19	RT			1137.5			1				1	1196.0															APPROACH SECTION TYPE II 447+69 TO 447+82 (ATTACH TO EXIST. BRIDGE RAIL) MTS (FLARED) @ 459+19	
460+03	465+15	LT			512.5			2					591.0															MTS (FLARED) @ 460+03, MTS (FLARED) @ 465+15	
461+18	466+18	RT			500.0			2					575.0															MTS (FLARED) @ 461+18, MTS (FLARED) @ 466+18	
476+05	478+67	RT			262.5			2					340.0															MTS (FLARED) @ 476+05, MTS (FLARED) @ 478+67	
482+65	483+65	RT			100.0			2					168.0															MTS (FLARED) @ 482+65, MTS (FLARED) @ 483+65	
483+04	484+16	LT			112.5			2					184.0															MTS (FLARED) @ 483+04, MTS (FLARED) @ 484+16	
494+26	495+38	RT			62.5			1			1		150.0															MTS (FLARED) @ 494+26, APPROACH RAIL TYPE I 494+88 TO 495+38 (ATTACH TO EXIST. BRIDGE RAIL)	
495+63	495+88	LT			12.5					1		1	25.0															ANCHOR @ 495+63 (INSTALL 1-16' RADIUS PANEL), APPROACH RAIL TYPE II 495+76 TO 495+88 (ATTACH TO EXIST. BRIDGE RAIL)	
497+16	497+42	RT			12.5					1		1	25.0															APPROACH RAIL TYPE II 497+16 TO 497+29 (ATTACH TO EXIST. BRIDGE RAIL), ANCHOR @ 497+42 (INSTALL 1-16' RADIUS PANEL)	
497+66	498+39	LT			25.0					1	1		75.0															APPROACH RAIL TYPE I 497+66 TO 498+16 (ATTACH TO EXIST. BRIDGE RAIL), ANCHOR @ 498+39 (INSTALL 1-16' RADIUS PANEL)	
CAVENDISH																0	0											FOR LOCATIONS SEE LAYOUT SHEETS. ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.	
0+00	197+23	LT&RT																										MTS (FLARED) @ 8+51, MTS (FLARED) @ 10+88	
8+51	10+88	LT			237.5			2					311.0																

[illegible]

[illegible]

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 225+45 TO 233+00 SOLID LT
STA 225+45 TO 233+00 SOLID RT

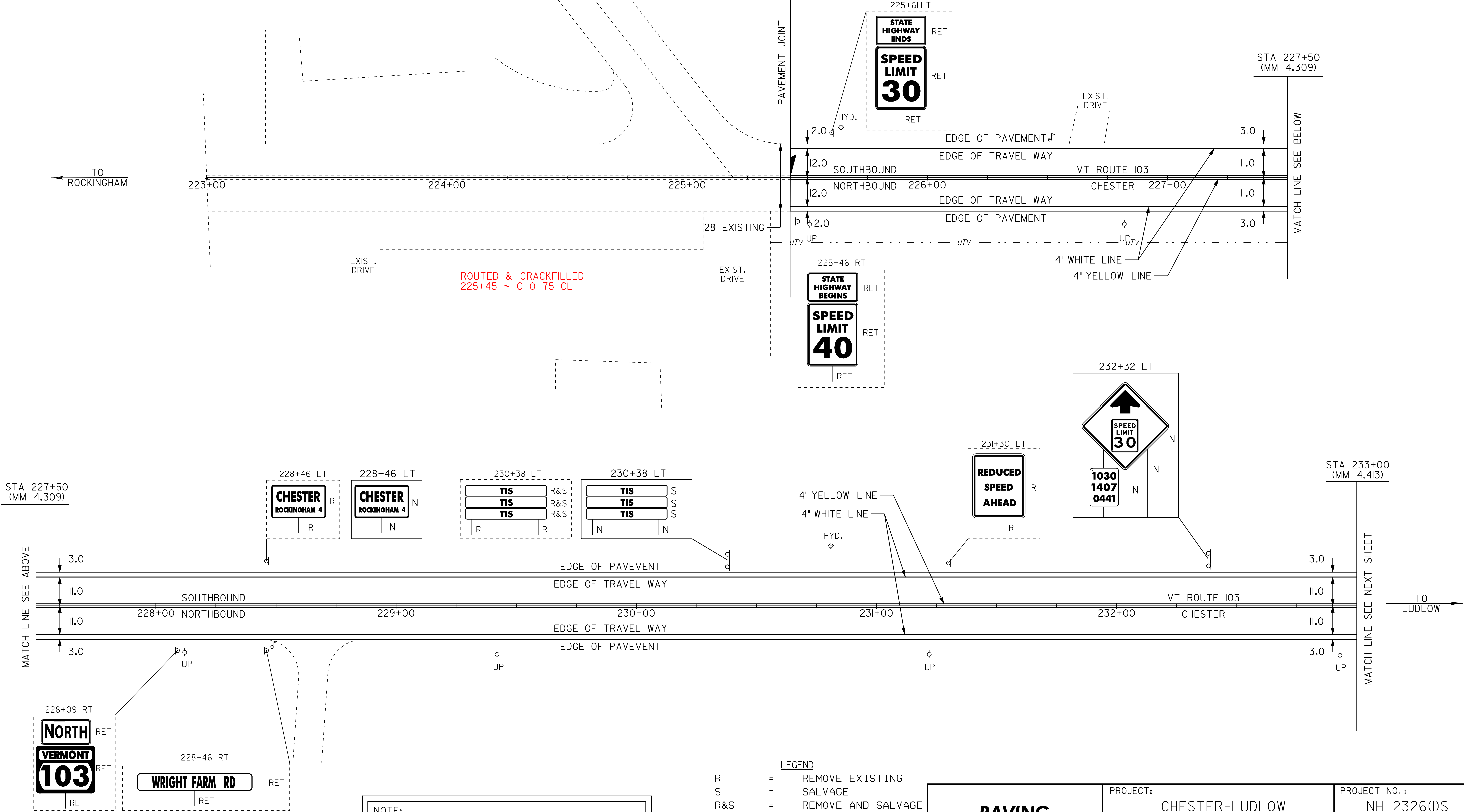
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 225+45 TO 233+00 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 3

VT ROUTE 103
STA 225+45.00
(MM 4.270)
BEGIN PROJECT
NH 2326(1)S

BEGIN COLD PLANE 5"
BEGIN RECLAIM 8"
BEGIN 2 LIFTS 1 1/4" TYPE IIIS
BEGIN 2 1/2" TYPE IIS



NOTE:
TOWN OF CHESTER WATER MAIN EXTENDS
FROM STA. 225+42 TO APPRDX. STA. 237+00.
EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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

PAVING
PROJECT
LAYOUT #1

PROJECT:	PROJECT NO.:
_CHESTER-LUDLOW	_NH 2326(1)S_
DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: pb0381a01.i	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	
_CLD_04-0396	SHEET: 15 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 233+00 TO 243+50 SOLID LT
STA 233+00 TO 240+03 SOLID RT
STA 240+40 TO 243+50 SOLID RT

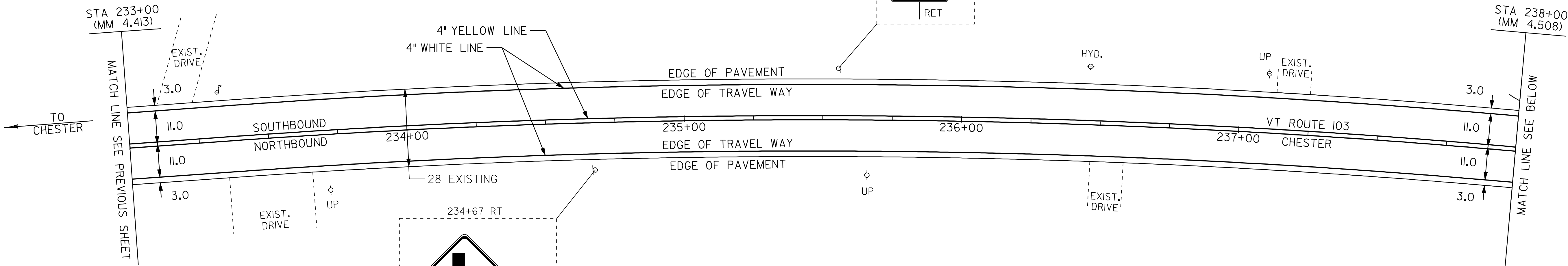
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 233+00 TO 239+80 SOLID LT & RT
STA 240+00 TO 241+20 DOUBLE SOLID RT (TH 33)
STA 240+20 TO 241+20 SOLID LT & RT
STA 241+20 TO 243+50 SOLID LT, DASHED RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA 240+00 RT (TH 33)
TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA 240+10 RT - "STOP" (TH 33)

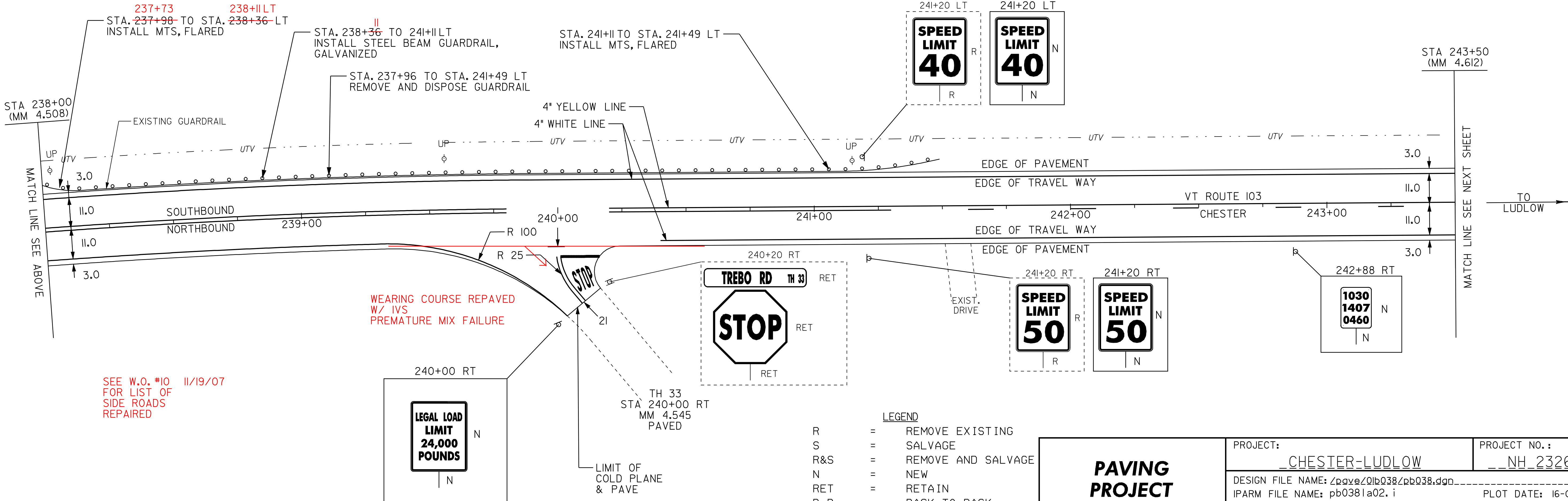
STEEL BEAM GUARDRAIL, GALVANIZED
STA 238+36 TO 241+11 LT
238+11
MANUFACTURED TERMINAL SECTION, FLARED
STA 238+36 LT 238+11
STA 241+11 LT

REMOVING SIGNS
AS SHOWN - 2

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 237+96 TO 241+49 LT



NOTE:
TOWN OF CHESTER WATER MAIN EXTENDS
FROM STA. 225+42 TO APPROX. STA. 237+00.
EXACT LOCATION TO BE DETERMINED IN THE FIELD.

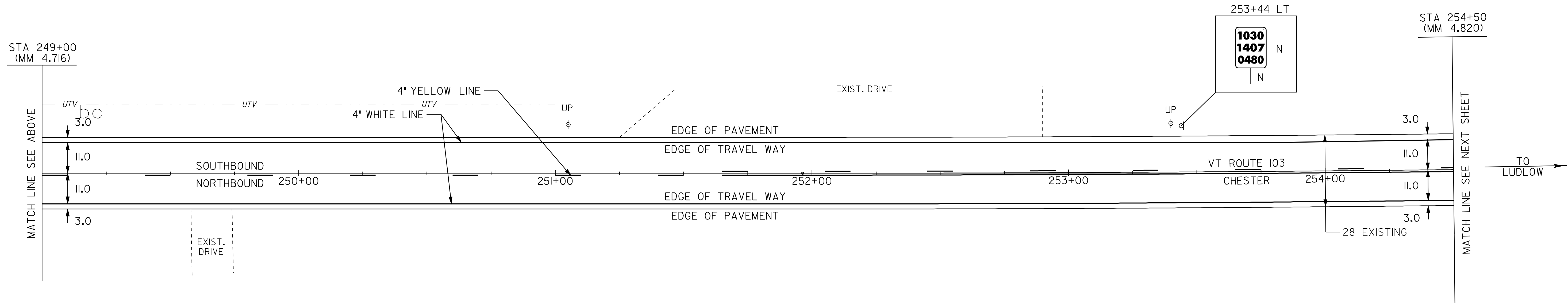
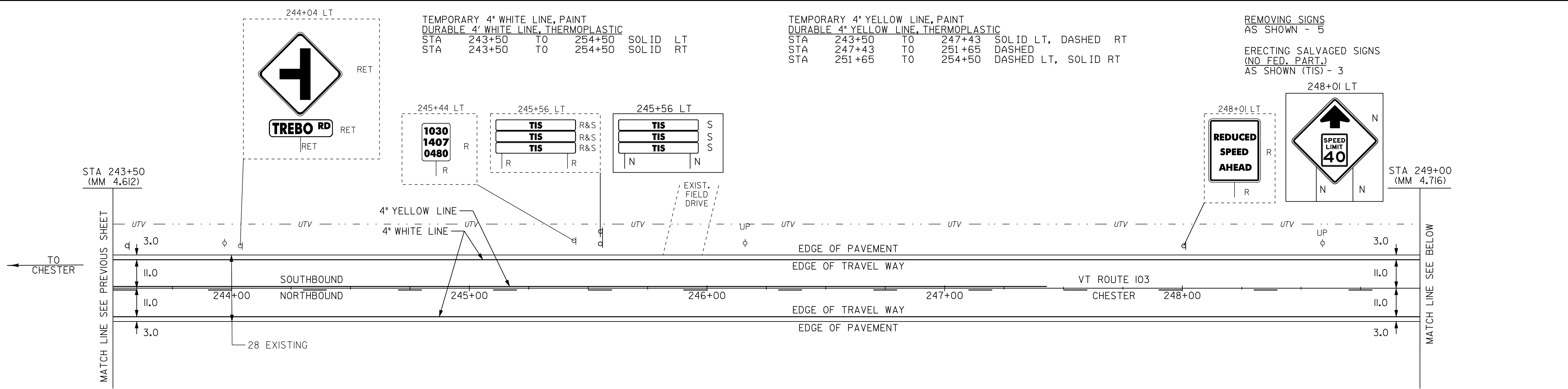


SEE W.O. #10 11/19/07
FOR LIST OF
SIDE ROADS
REPAIRED

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

**PAVING
PROJECT
LAYOUT #2**

PROJECT:	PROJECT NO.:
CHES-TER-LUDLOW	NH 2326(I)S
DESIGN FILE NAME: Z:\pave\01b\038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: pb0381a02.1	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	SHEET: 16 OF 110
CLD 04-0396	



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

PAVING
PROJECT
LAYOUT #3

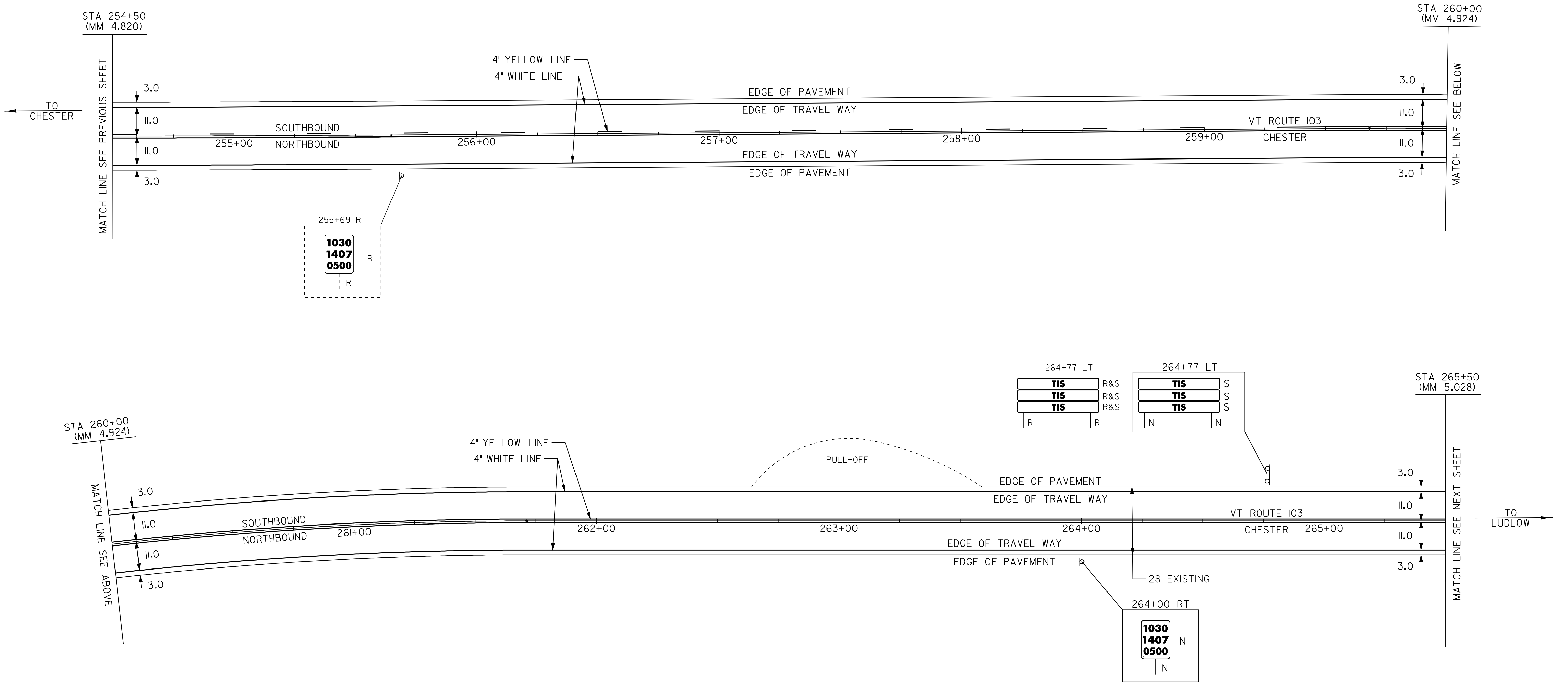
PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW	__NH_2326(I)S__
DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: pb0381a03.i	SURVEY DATE: 01/05
SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
CLD_04-0396	SHEET 17 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 254+50 TO 265+50 SOLID LT
STA 254+50 TO 265+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 254+50 TO 259+31 DASHED LT, SOLID RT
STA 259+31 TO 265+50 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 4

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 3



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

PAVING PROJECT LAYOUT #4	PROJECT:	PROJECT NO. :
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
	IPARM FILE NAME: pb0381a04.i	SURVEY DATE: 01/05
	SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
	CLD_04-0396	SHEET: 18 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 265+50 TO 276+50 SOLID LT
STA 265+50 TO 276+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 265+50 TO 276+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 272+25 TO 274+32 LT
STA 274+60 TO 276+50 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 272+25 LT

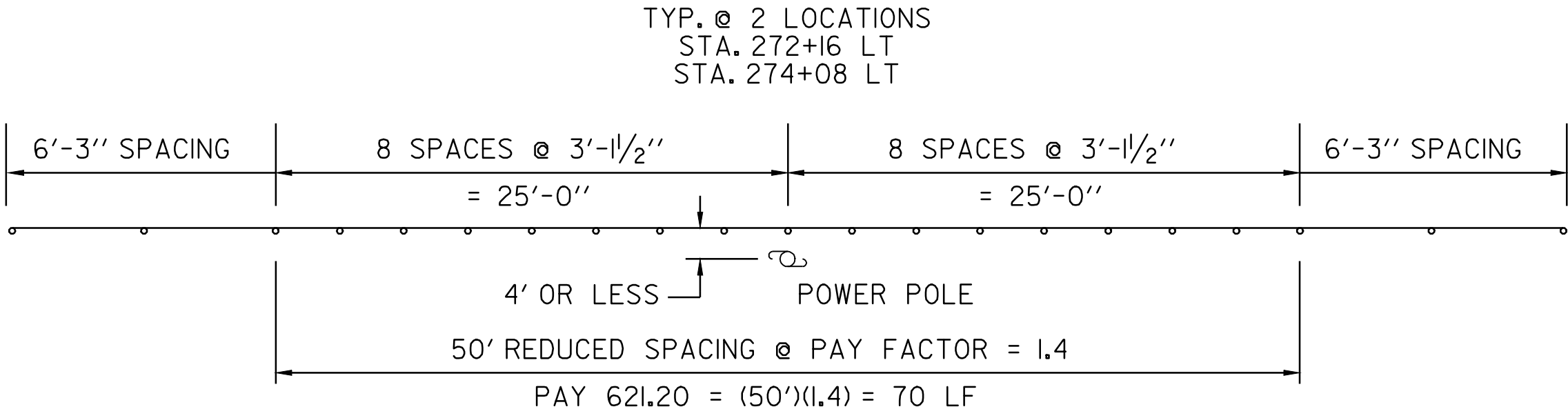
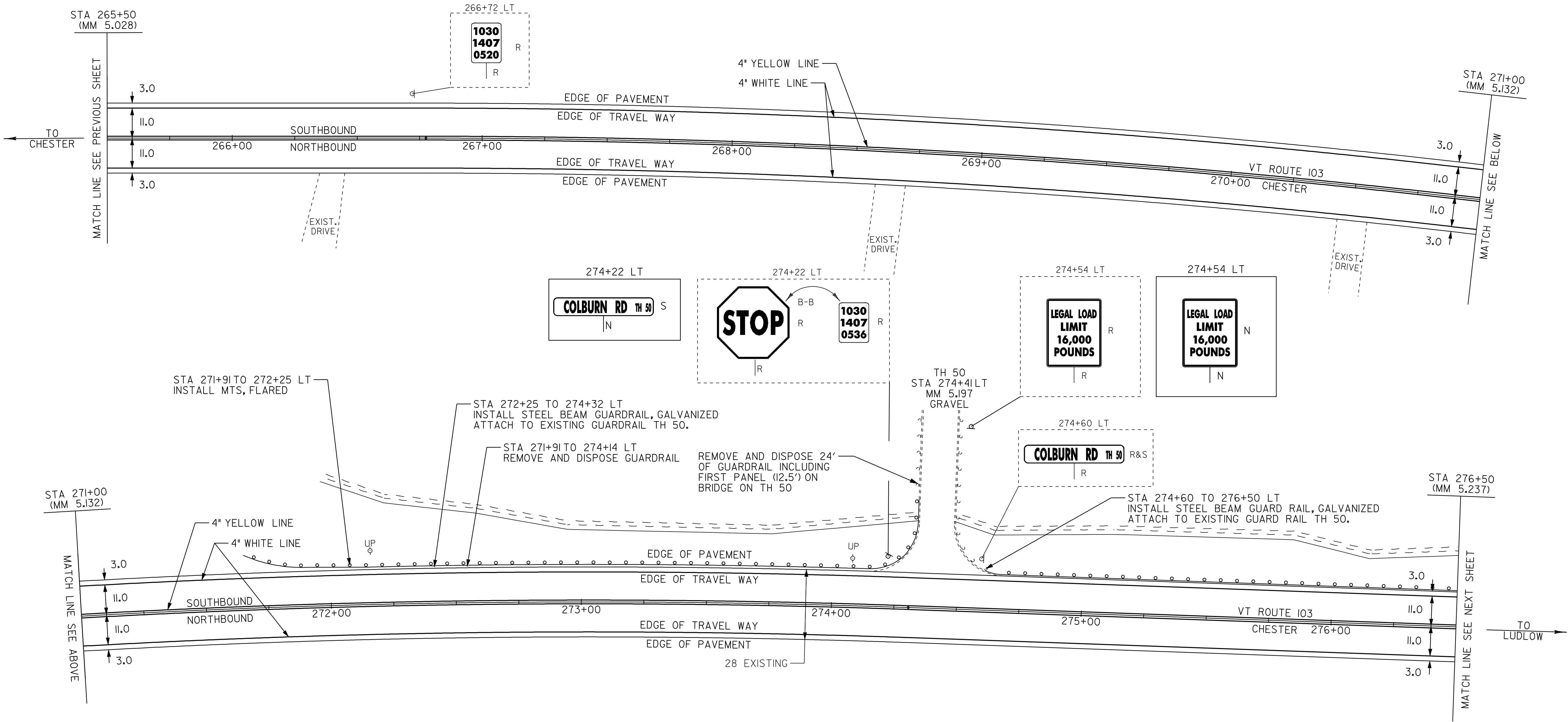
REMOVAL AND DISPOSAL OF GUARDRAIL
STA 272+16 TO 274+14 LT TH 50 LT 24'

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 1

ANCHOR FOR STEEL BEAM RAIL

274+25 LT
274+60 LT



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

**PAVING
PROJECT
LAYOUT #5**

PROJECT: _CHESTER-LUDLOW	PROJECT NO.: _NH_2326(I)S_
DESIGN FILE NAME: <u>LPave\Qlb\Q38\pbQ38.dgn</u>	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: <u>pb0381a05.i</u>	SURVEY DATE: <u>Q1205</u>
SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	DRAWN BY: MRS
SQUAD LEADER: <u>CRB</u>	
<u>CLD 04-0396</u>	SHEET: 19 OF 110

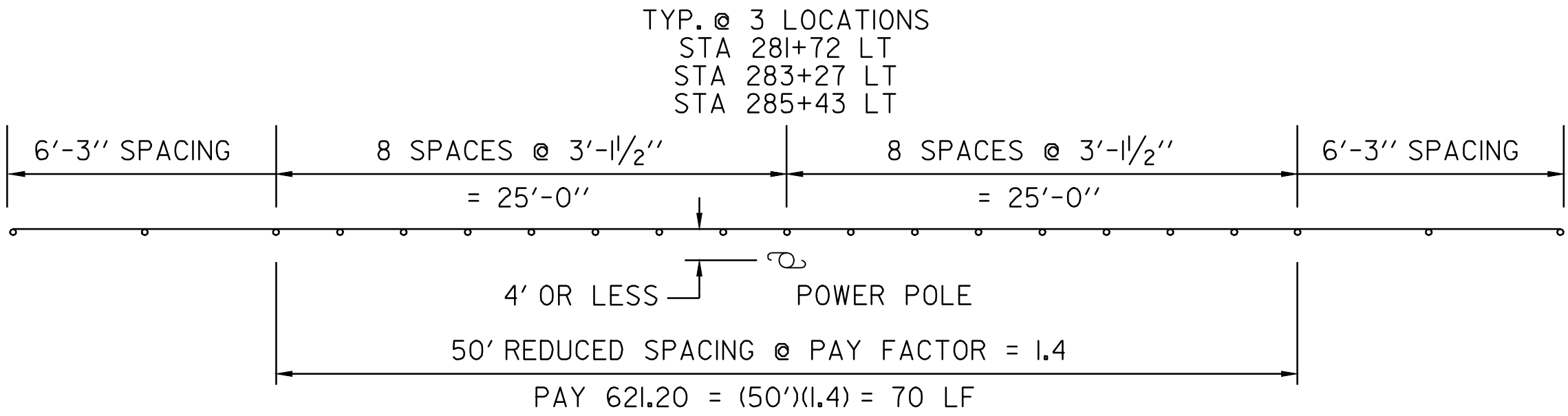
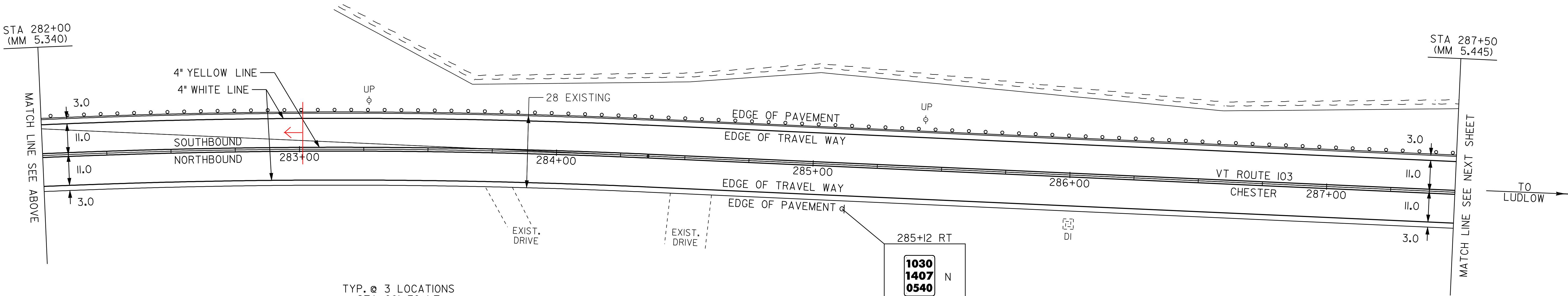
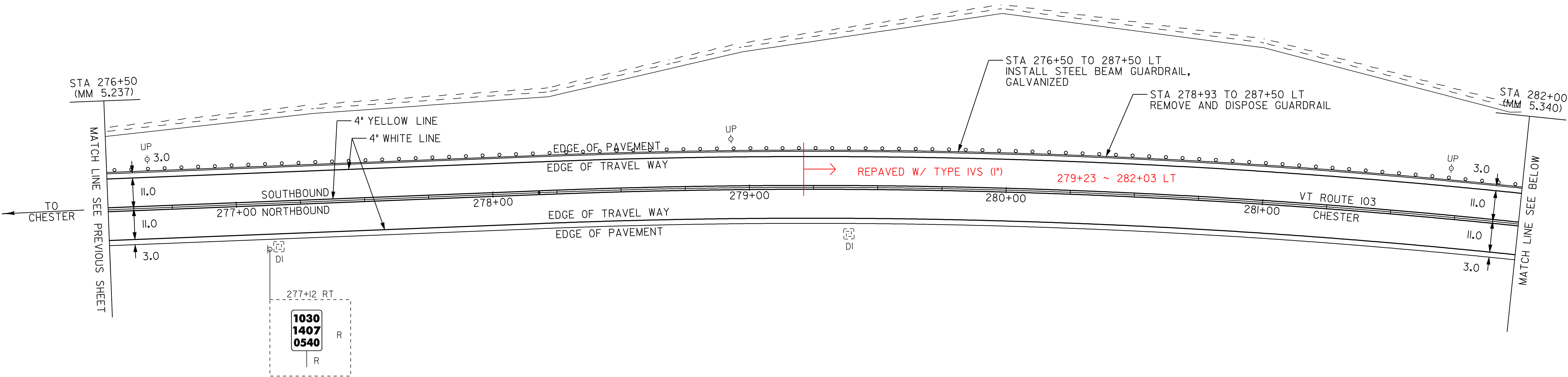
TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 276+50 TO 287+50 SOLID LT
STA 276+50 TO 287+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 276+50 TO 287+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 276+50 TO 287+50 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 278+93 TO 287+50 LT

REMOVING SIGNS
AS SHOWN - 1



GUARD RAIL DETAIL
OBJECTS WITHIN 4 LF OF GUARDRAIL N.T.S.

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

PAVING PROJECT LAYOUT #6	PROJECT:	PROJECT NO.:
	<u>CHESTER-LUDLOW</u>	<u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>zpage\01b038\pb038.dgn</u>	PLOT DATE: <u>16-OCT-2009 16:</u>
	IPARM FILE NAME: <u>pb0381a06.i</u>	SURVEY DATE: <u>01/05</u>
	SQUAD LEADER: <u>CRB</u>	DRAWN BY: <u>MRS</u>
	<u>CLD 04-0396</u>	SHEET: 20 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA 287+50	TO	290+12	SOL ID	LT
STA 287+50	TO	298+50	SOL ID	RT
STA 290+92	TO	298+50	SOL ID	LT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA 287+50	TO	290+32	SOL ID	LT & RT
STA 290+72	TO	298+50	SOL ID	LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED

STA 287+50	TO	290+35	LT
STA 290+60	TO	293+67	LT
STA 294+40	TO	298+50	LT

MANUFACTURED TERMINAL SECTION, FLARED

STA 293+67	LT	293+80	LT
STA 294+40	LT	294+78	LT

ANCHOR FOR STEEL BEAM RAIL

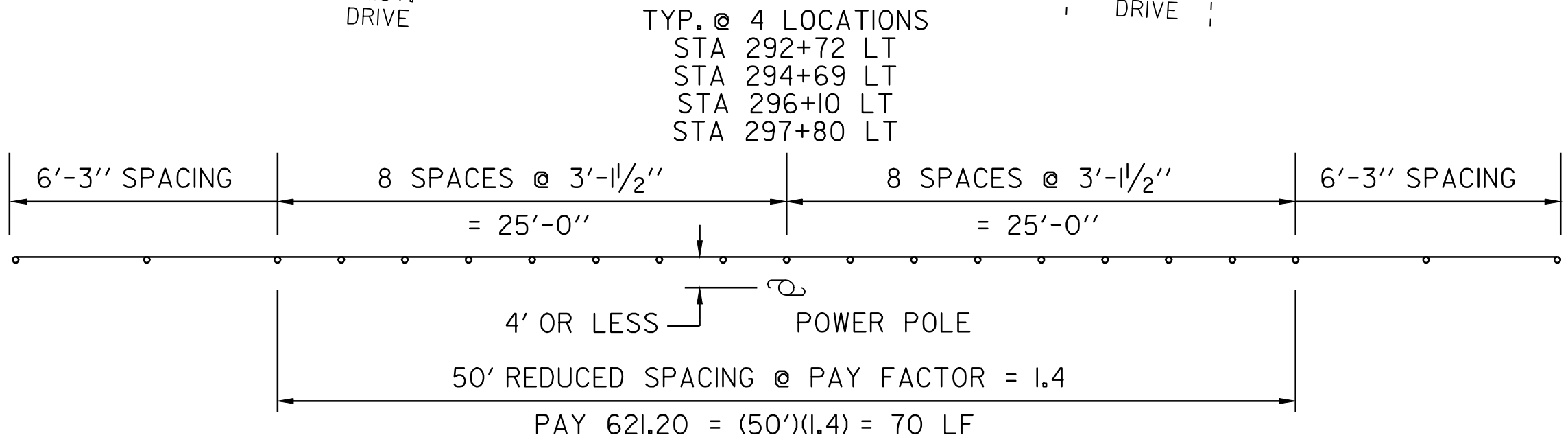
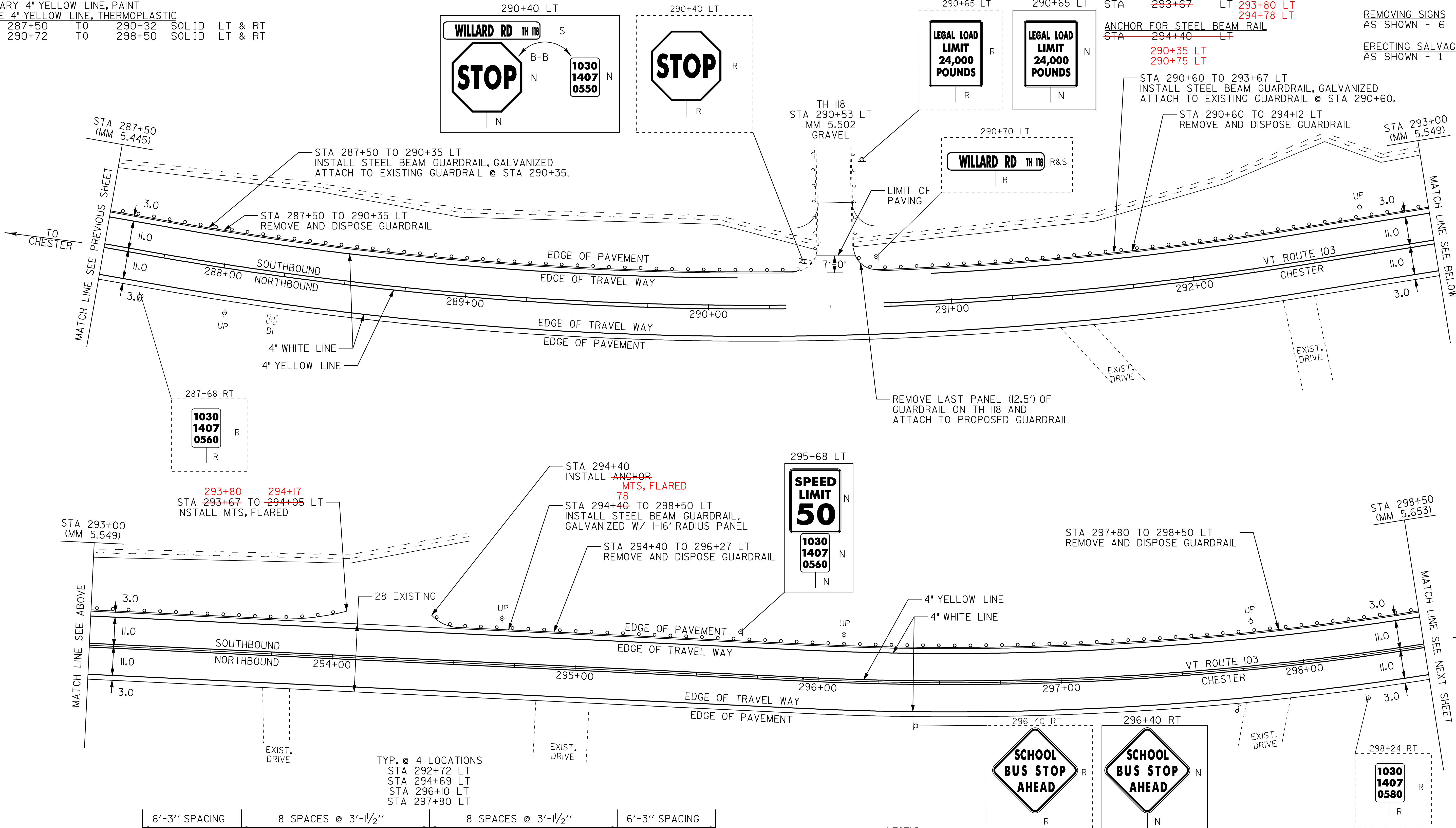
STA 290+35	LT	290+75	LT
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REMOVAL AND DISPOSAL OF GUARDRAIL

STA 287+50	TO	290+35	LT
STA 290+67	TO	294+12	LT
STA 294+40	TO	296+27	LT
STA 297+80	TO	298+50	LT
TH 118	RT	12.5'	

REMOVING SIGNS
AS SHOWN - 6

ERECTING SALVAGED SIGNS
AS SHOWN - 1



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

PAVING PROJECT LAYOUT #7	PROJECT: <u>CHESTER-LUDLOW</u>	PROJECT NO.: <u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>CLD\038\038.dgn</u>	PLOT DATE: <u>16-OCT-2009 16:</u>
	IPARM FILE NAME: <u>pb0381a07.1</u>	SURVEY DATE: <u>01/05</u>
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	DRAWN BY: <u>MRS</u>
	SQUAD LEADER: <u>CRB</u>	SHEET: <u>21</u> OF <u>110</u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC

STA 298+50	TO	301+25	SOLID	LT
STA 298+50	TO	301+25	SOLID	RT
STA 303+75	TO	309+50	SOLID	LT
STA 303+75	TO	309+50	SOLID	RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA 298+50	TO	301+25	SOLID	LT & RT
STA 303+75	TO	309+50	SOLID	LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED

STA 298+50	TO	299+78	LT
STA 303+95	TO	305+70	LT

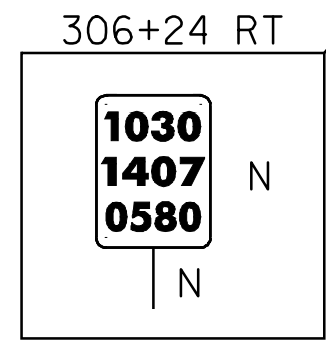
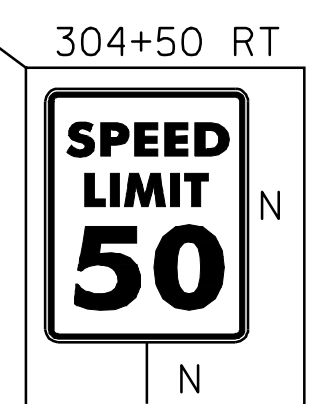
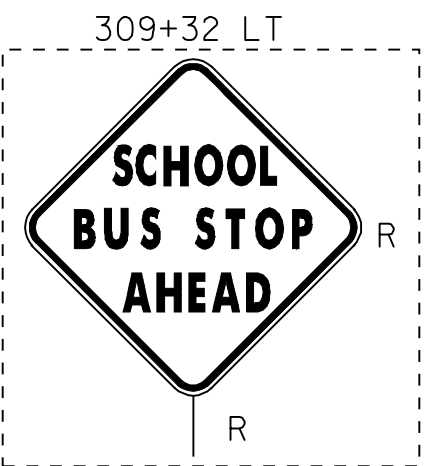
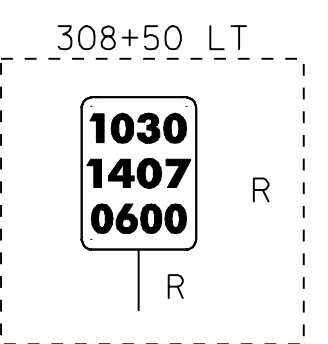
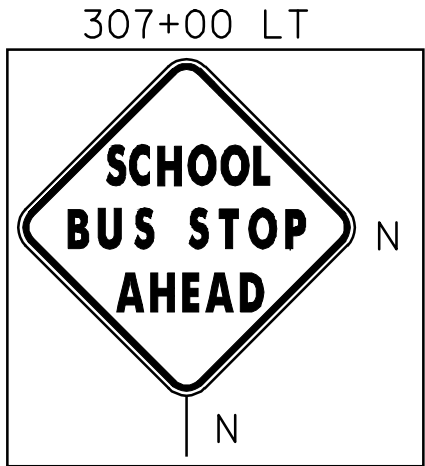
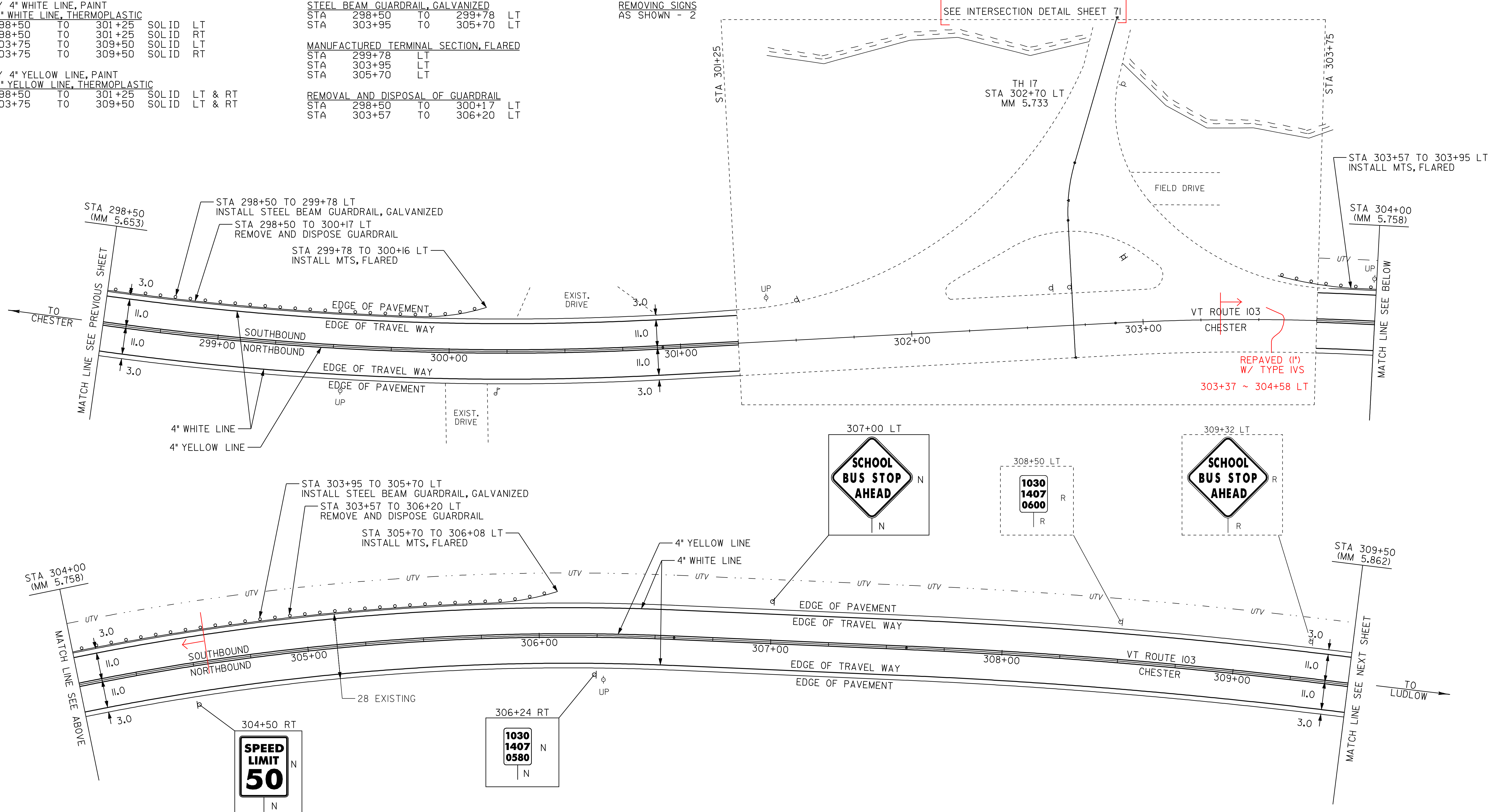
MANUFACTURED TERMINAL SECTION, FLARED

STA 299+78	LT
STA 303+95	LT
STA 305+70	LT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA 298+50	TO	300+17	LT
STA 303+57	TO	306+20	LT

REMOVING SIGNS
AS SHOWN - 2



LEGEND

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

PAVING
PROJECT
LAYOUT #8

PROJECT:
_CHESTER-LUDLOW

PROJECT NO.:
_NH_2326(I)S_

DESIGN FILE NAME: zdrive\01b\038\pb038.dgn

IPARM FILE NAME: pb0381a08.i

SURVEYED BY: CLD_ENGINEERS, INC

SQUAD LEADER: CRB

CLD 04-0396

PLOT DATE: 16-OCT-2009 16:

SURVEY DATE: 01/20/05

DRAWN BY: MRS

SHEET: 22 OF 110

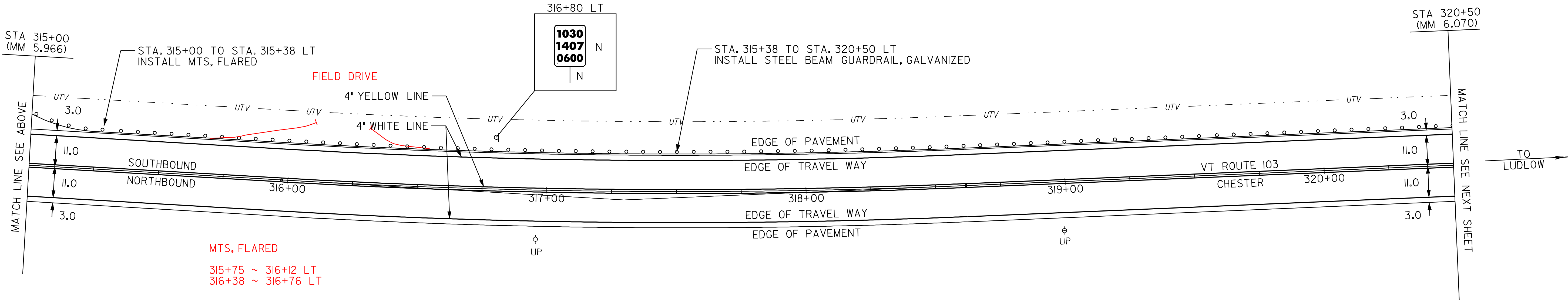
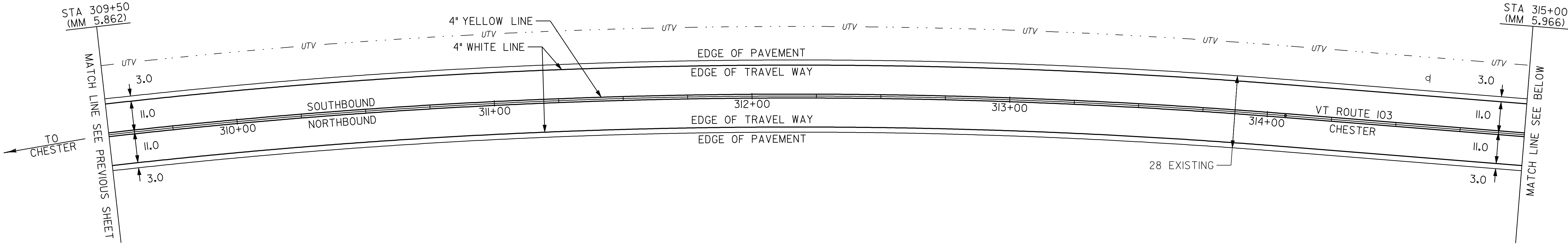
TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 309+50 TO 320+50 SOLID LT
STA 309+50 TO 320+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 309+50 TO 320+50 SOLID LT & RT

STEEL BEAM GUARDRIAL, GALVANIZED
STA 315+38 TO 320+50 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 315+38 LT

316+12 LT
316+38 LT

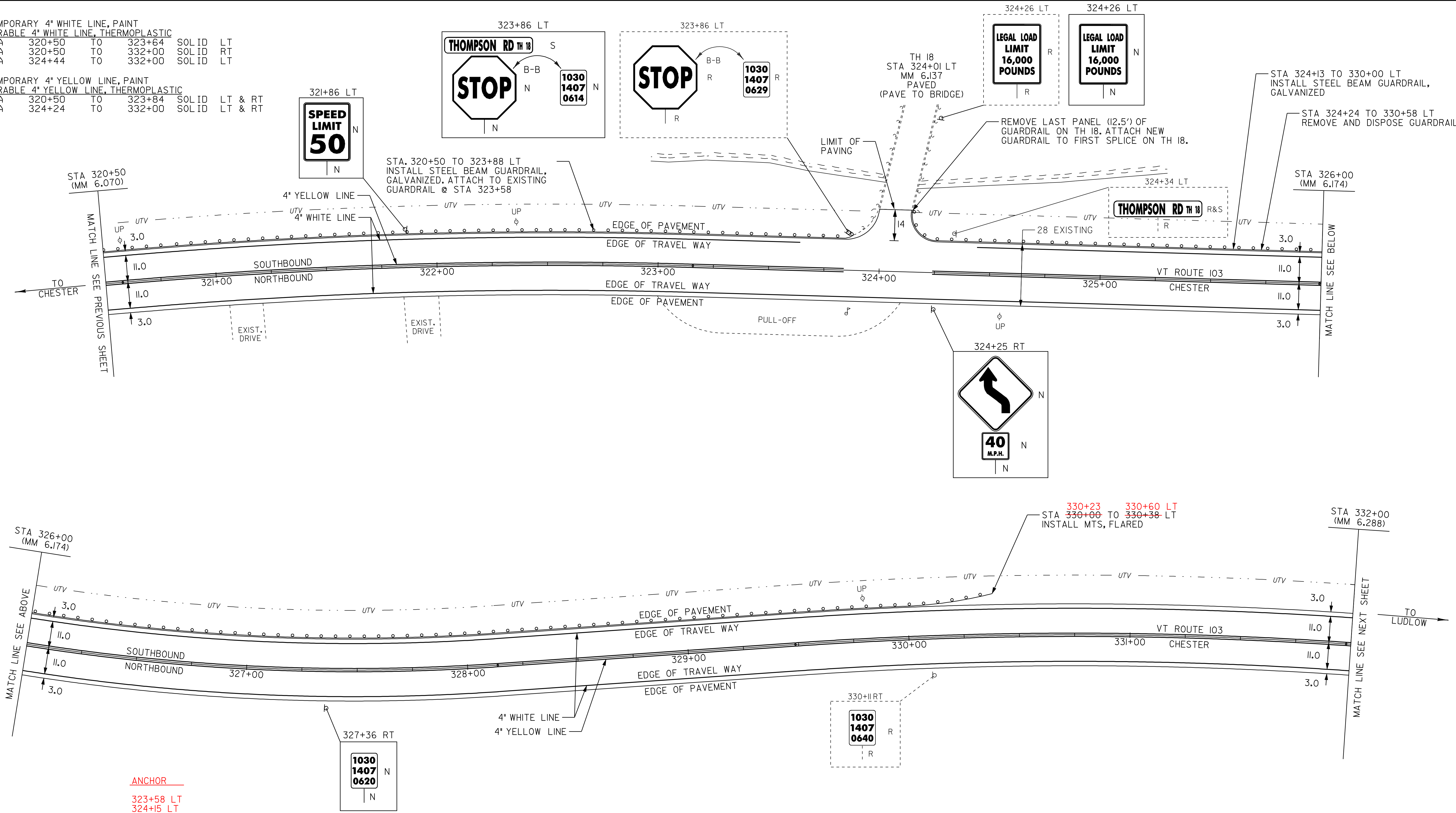


LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE AND SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK
—○—	= NEW RAIL
—●—	= EXISTING RAIL

PAVING PROJECT LAYOUT #9	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: Z:\pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
	IPARM FILE NAME: pb0381a09.i	SURVEY DATE: 01/05
	SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
	SQUAD LEADER: CRB	SHEET: 23 OF 110

TEMPORARY 4" WHITE LINE, PAINT					
DURABLE 4" WHITE LINE, THERMOPLASTIC					
STA 320+50	TO	323+64	SOLID	LT	
STA 320+50	TO	332+00	SOLID	RT	
STA 324+44	TO	332+00	SOLID	LT	

TEMPORARY 4" YELLOW LINE, PAINT					
DURABLE 4" YELLOW LINE, THERMOPLASTIC					
STA 320+50	TO	323+84	SOLID	LT & RT	
STA 324+24	TO	332+00	SOLID	LT & RT	



STEEL BEAM GUARDRAIL, GALVANIZED				
STA 320+50	TO	323+88	LT	
STA 324+13	TO	330+00	LT	

MANUFACTURED TERMINAL SECTION, FLARED	
STA 330+00	LT

REMOVAL AND DISPOSAL OF GUARDRAIL				
STA 324+24	TO	330+58	LT	
TH 18	RT	12.5'		

REMOVAL AND DISPOSAL OF GUIDE POSTS		
STA 324+18	TO	324+24 LT

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 1

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

PAVING PROJECT LAYOUT #10	PROJECT:	PROJECT NO.:
	<u>CHESTER-LUDLOW</u>	<u>NH 2326(1)S</u>
	DESIGN FILE NAME: <u>z:\pave\01b038\pb038.dgn</u>	
	IPARM FILE NAME: <u>pb0381a10.i</u>	PLOT DATE: <u>16-OCT-2009 16:</u>
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	SURVEY DATE: <u>01/20/05</u>
	SQUAD LEADER: <u>CRB</u>	DRAWN BY: <u>MRS</u>
	<u>CLD 04-0396</u>	SHEET: <u>24</u> OF <u>110</u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 332+00 TO 335+83 SOLID LT
STA 332+00 TO 343+00 SOLID RT
STA 336+63 TO 343+00 SOLID LT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 332+00 TO 336+03 SOLID LT & RT
STA 336+43 TO 343+00 SOLID LT & RT

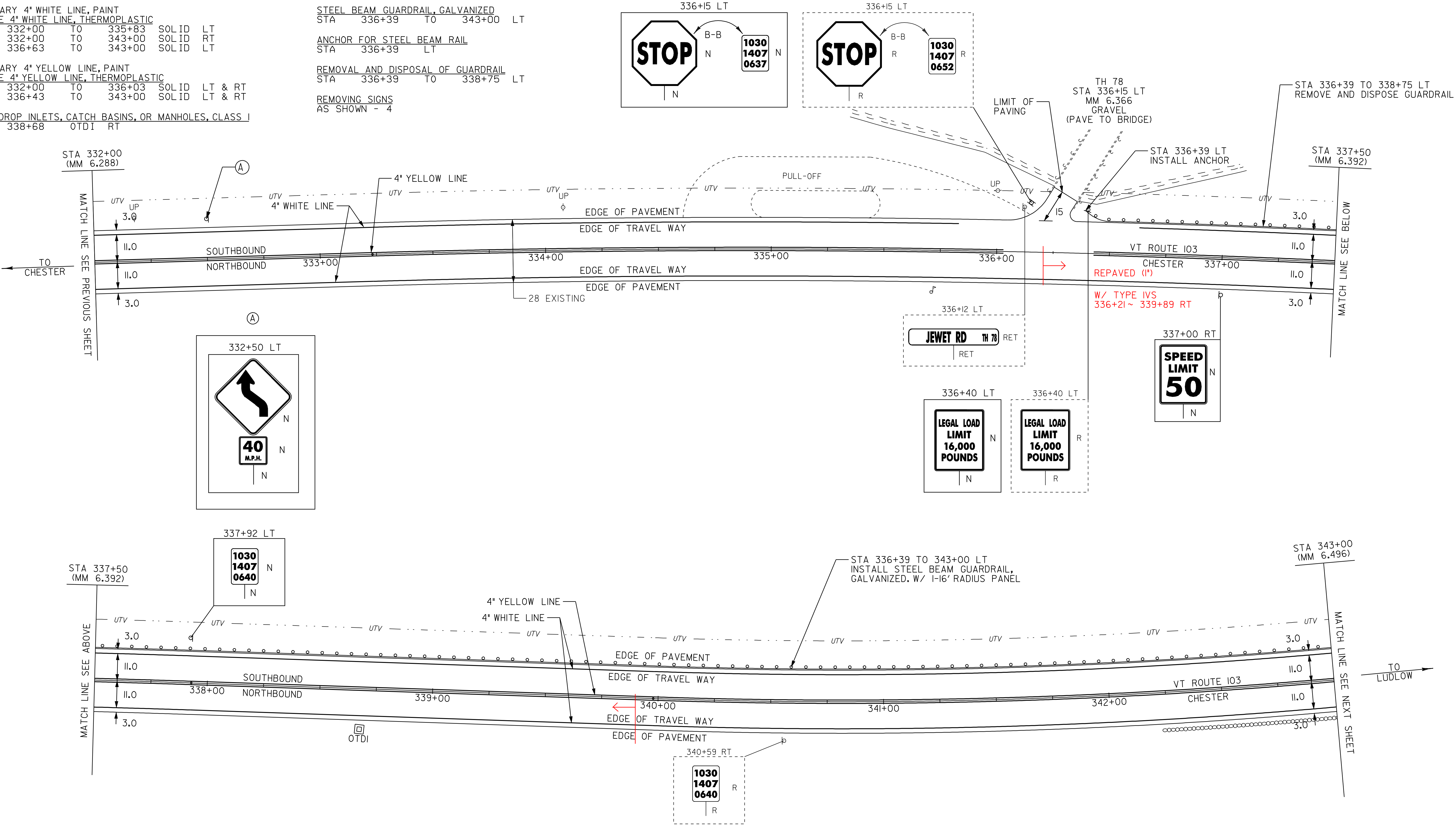
REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
STA 338+68 OTDI RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 336+39 TO 343+00 LT

ANCHOR FOR STEEL BEAM RAIL
STA 336+39 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 336+39 TO 338+75 LT

REMOVING SIGNS
AS SHOWN - 4



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

PAVING PROJECT LAYOUT #11	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: \pave\Qlb038\pb038.dgn	
	IPARM FILE NAME: pb038\1a11.i	PLOT DATE: 16-OCT-2009 16:
	SQUAD LEADER: CLD_ENGINEERS, INC	SURVEY DATE: 01/05
	SQUAD LEADER: CRB	DRAWN BY: MRS
	CLD_04-0396	SHEET: 25 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 343+00 TO 354+00 SOLID LT
STA 343+00 TO 354+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 343+00 TO 354+00 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 343+00 TO 350+64 LT
STA 351+33 TO 354+00 LT
88

MANUFACTURED TERMINAL SECTION, FLARED

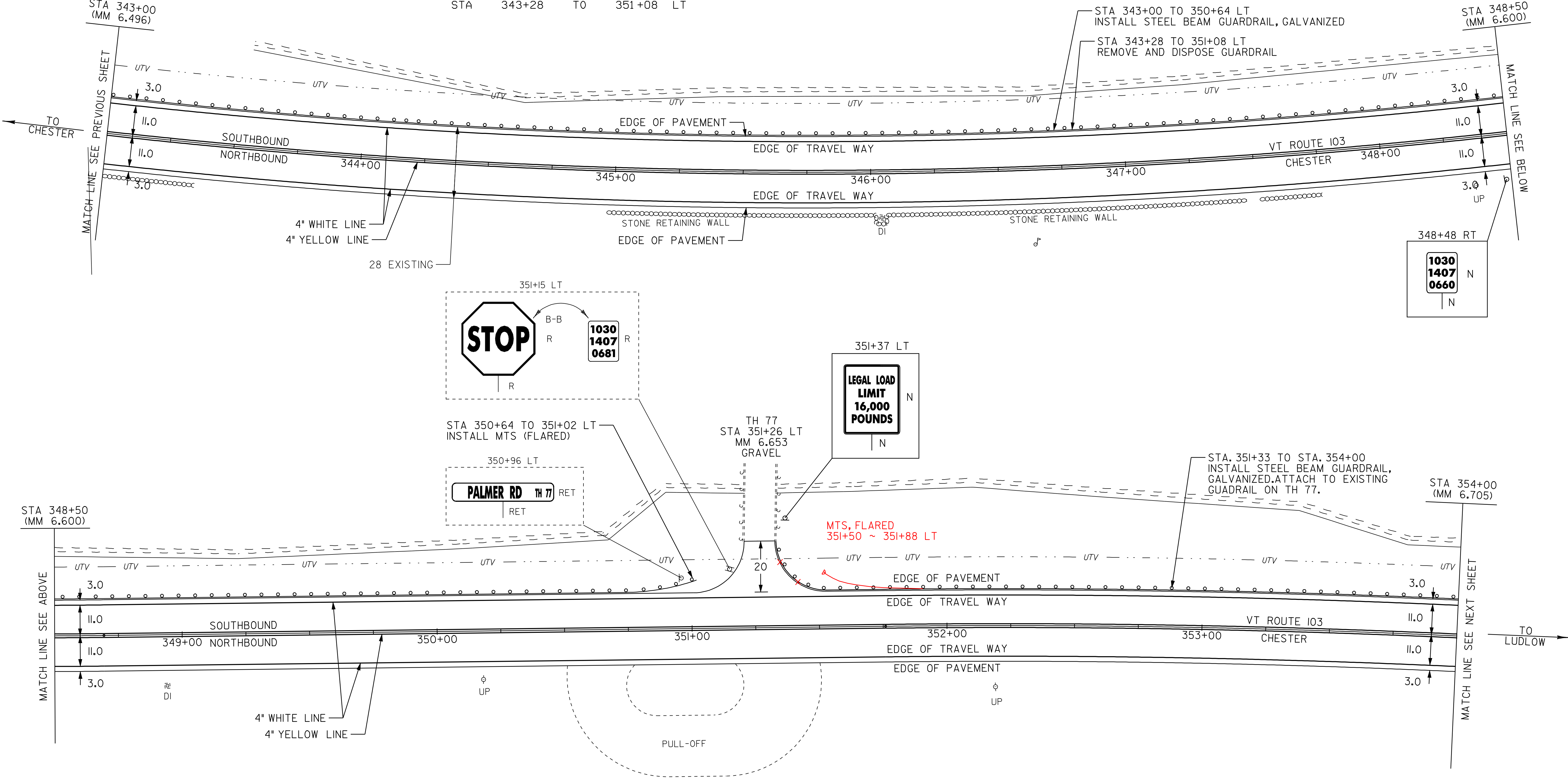
STA 350+64 LT

351+88 LT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA 343+28 TO 351+08 LT

REMOVING SIGNS
AS SHOWN - 2



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

PAVING PROJECT LAYOUT #12	PROJECT: <u>CHESTER-LUDLOW</u>	PROJECT NO.: <u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>z:\pave\01b038\pb038.dgn</u>	
	IPARM FILE NAME: <u>pb0381a12.i</u>	PLOT DATE: <u>16-OCT-2009 16:</u>
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	SURVEY DATE: <u>01/05</u>
	SQUAD LEADER: <u>CRB</u>	DRAWN BY: <u>MRS</u>
<u>CLD 04-0396</u>		SHEET: <u>26</u> OF <u>110</u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 354+00 TO 365+00 SOLID LT
STA 354+00 TO 365+00 SOLID RT

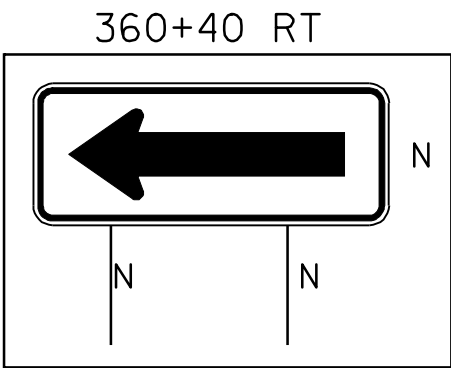
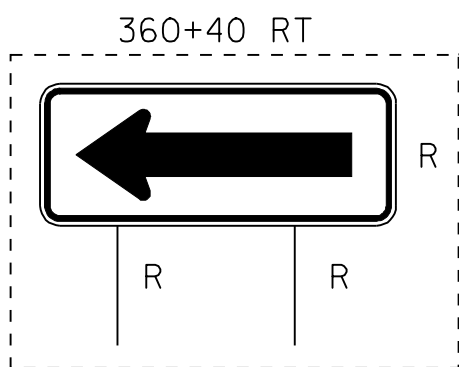
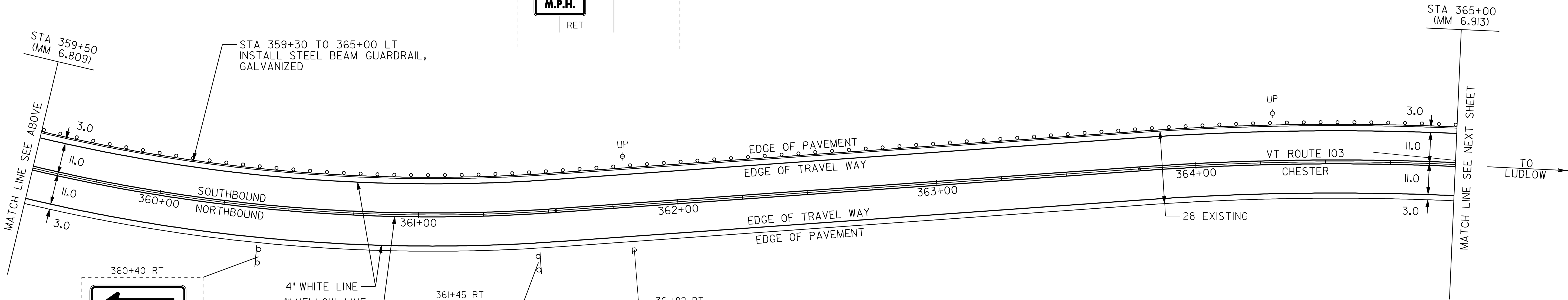
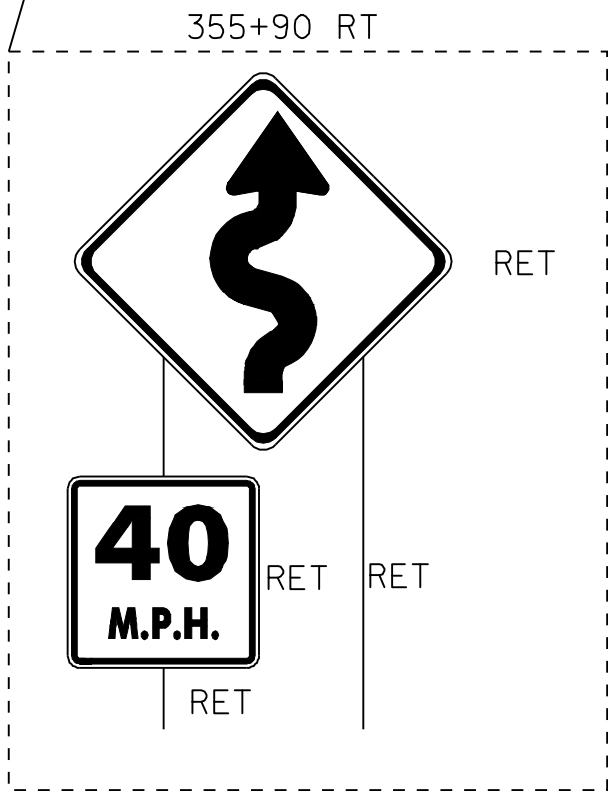
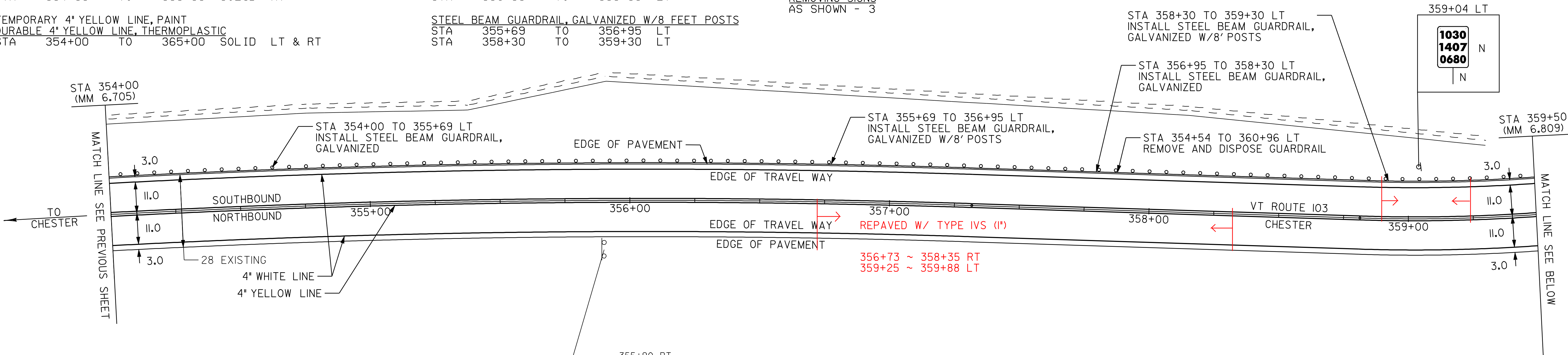
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 354+00 TO 365+00 SOLID LT & RT

STEEL BEAM GUARDRAIL GALVANIZED
STA 354+00 TO 355+69 LT
STA 356+95 TO 358+30 LT
STA 359+30 TO 365+00 LT

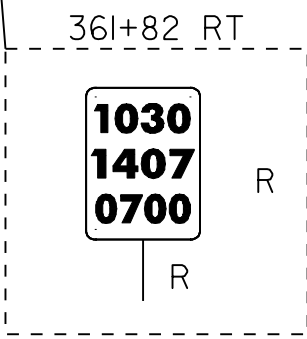
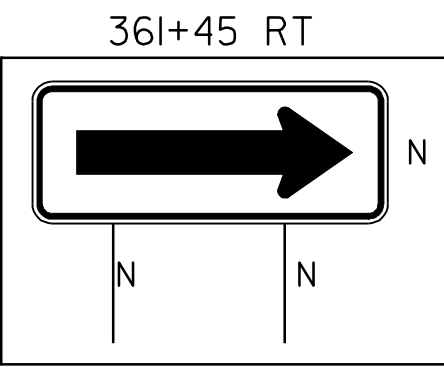
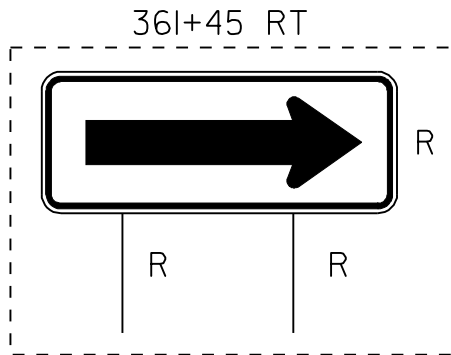
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA 355+69 TO 356+95 LT
STA 358+30 TO 359+30 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 354+54 TO 360+96 LT

REMOVING SIGNS
AS SHOWN - 3



4" WHITE LINE
4" YELLOW LINE



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

PAVING PROJECT LAYOUT #13	PROJECT: <u>CHESTER-LUDLOW</u>	PROJECT NO.: <u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>zpage\01b038\pb038.dgn</u>	
	IPARM FILE NAME: <u>pb0381a13.i</u>	
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	PLOT DATE: <u>16-OCT-2009 16:</u>
	SQUAD LEADER: <u>CRB</u>	SURVEY DATE: <u>01/05</u>
<u>CLD 04-0396</u>		DRAWN BY: <u>MRS</u>
		SHEET: <u>27</u> OF <u>110</u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 365+00 TO 375+50 SOLID LT
STA 365+00 TO 375+50 SOLID RT

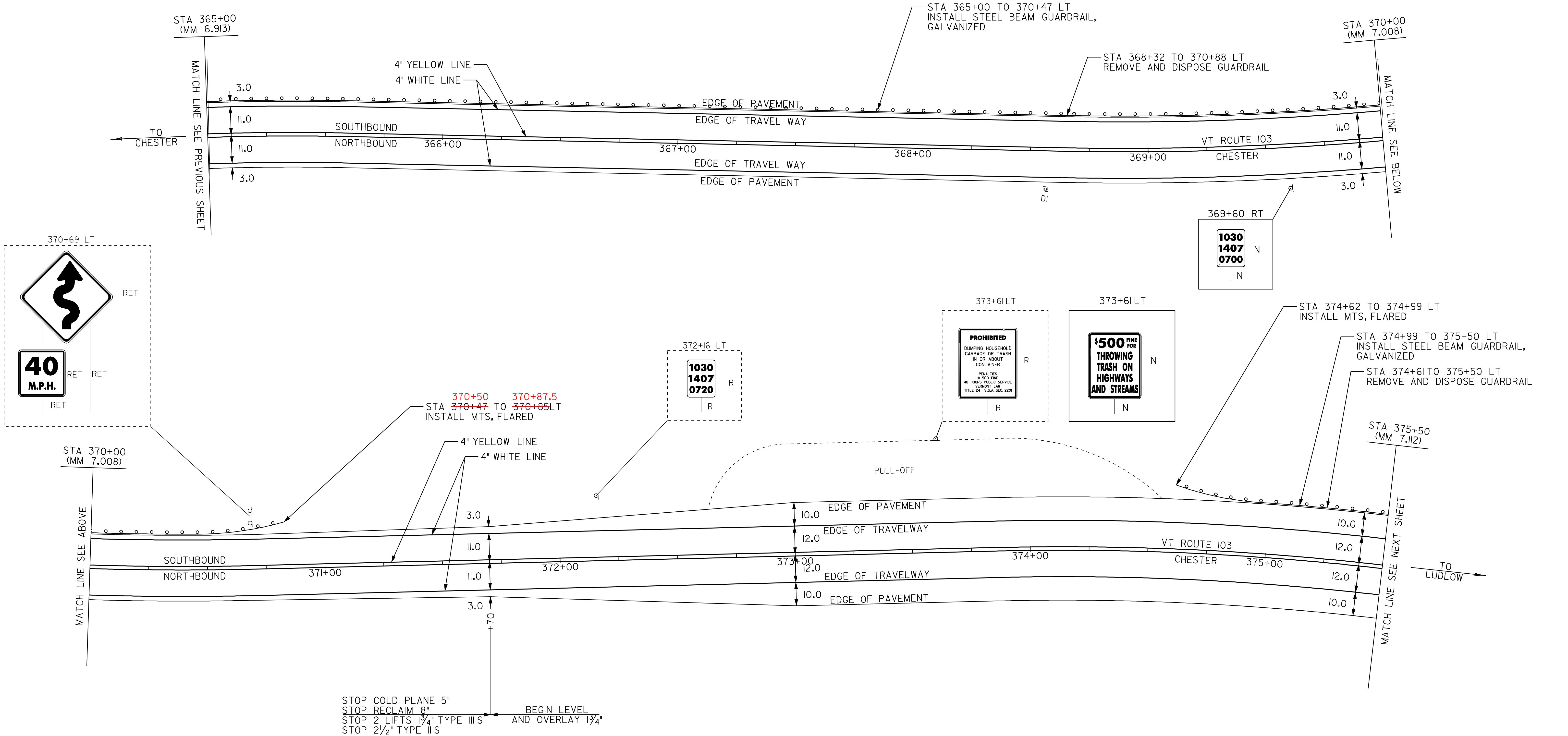
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 365+00 TO 375+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 365+00 TO 370+47.50 LT
STA 374+99 TO 375+50 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 370+50 TO 370+47 LT
STA 374+99 LT

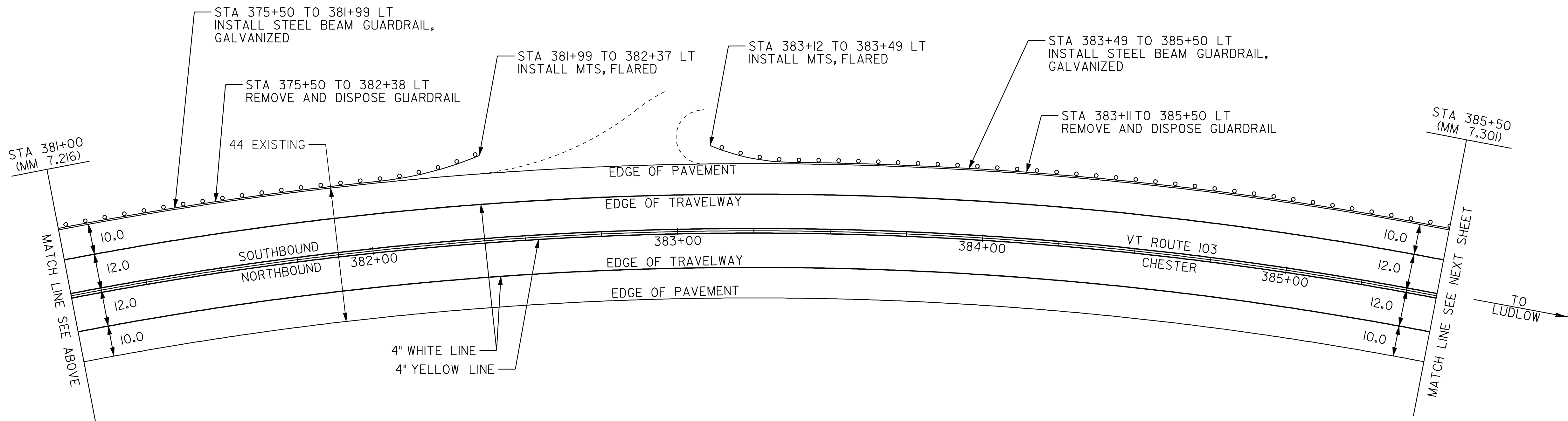
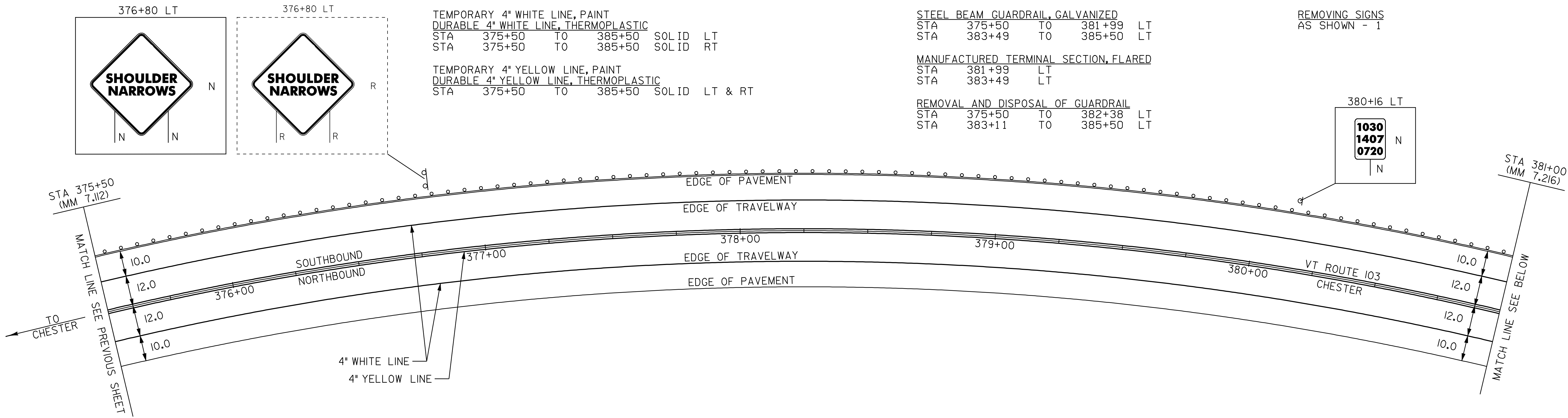
REMOVAL AND DISPOSAL OF GUARDRAIL
STA 368+32 TO 370+88 LT
STA 374+61 TO 375+50 LT

REMOVING SIGNS
AS SHOWN - 2



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

PAVING PROJECT LAYOUT #14	PROJECT:	PROJECT NO.:
	<u> _CHESTER-LUDLOW </u>	<u> NH 2326(I)S </u>
	DESIGN FILE NAME: <u> \pave\01b038\pb038.dgn </u>	PLOT DATE: <u> 16-OCT-2009 16: </u>
	IPARM FILE NAME: <u> pb0381a14.i </u>	SURVEY DATE: <u> 01/05 </u>
	SURVEYED BY: <u> CLD_ENGINEERS, INC </u>	DRAWN BY: <u> MRS </u>
	SQUAD LEADER: <u> CRB </u>	
	<u> _CLD 04-0396 </u>	SHEET: <u> 28 </u> OF <u> 110 </u>



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

**PAVING
PROJECT
LAYOUT #15**

PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW	__NH_2326(I)S__
DESIGN FILE NAME: Z:\pave\01b\038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: pb0381a15.i	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	
_CLD_04-0396	SHEET: 29 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 388+00 TO 391+00 SOLID LT
STA 388+00 TO 391+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 388+00 TO 391+00 SOLID LT & RT

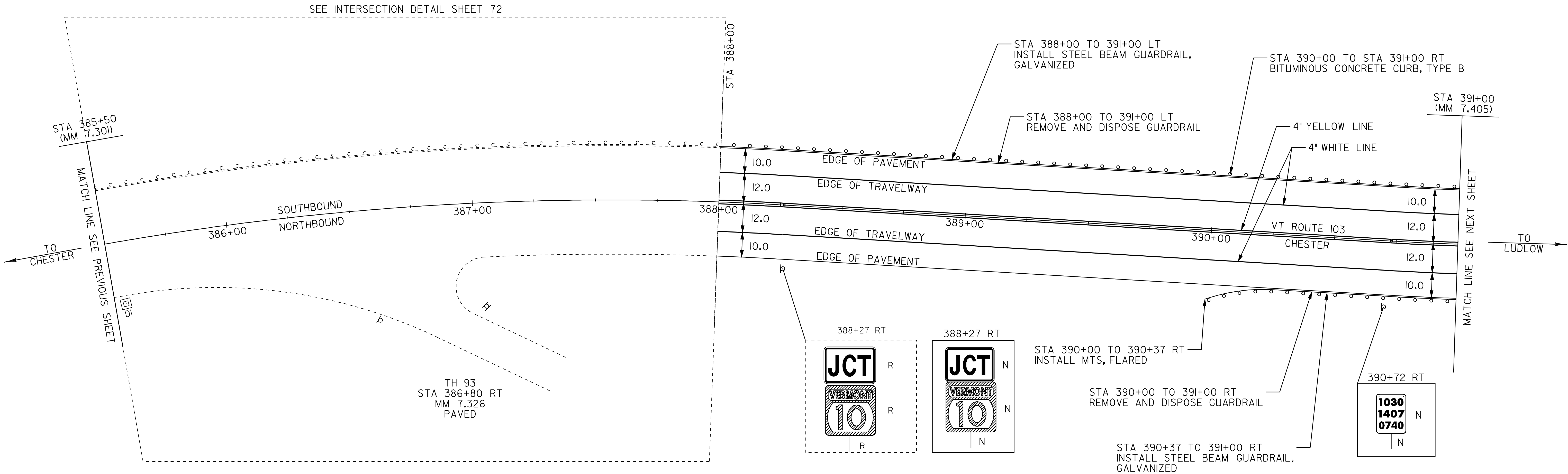
STEEL BEAM GUARDRAIL, GALVANIZED
STA 388+00 TO 391+00 LT
STA 390+37 TO 391+00 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA 390+37 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 388+00 TO 391+00 LT
STA 390+00 TO 391+00 RT

BITUMINOUS CONCRETE CURB, TYPE B
STA 390+00 TO 391+00 LT

REMOVING SIGNS
AS SHOWN - 2



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

**PAVING
PROJECT
LAYOUT #16**

PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW__	__NH_2326(I)S__
DESIGN FILE NAME: Zpave\Qlb\Q38\pb\Q38.dgn	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: pb0381a16.i	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	SHEET: 30 OF 110
CLD 04-0396	

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 391+00 TO 396+50 SOLID LT
STA 391+00 TO 396+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 391+00 TO 396+50 SOLID LT & RT

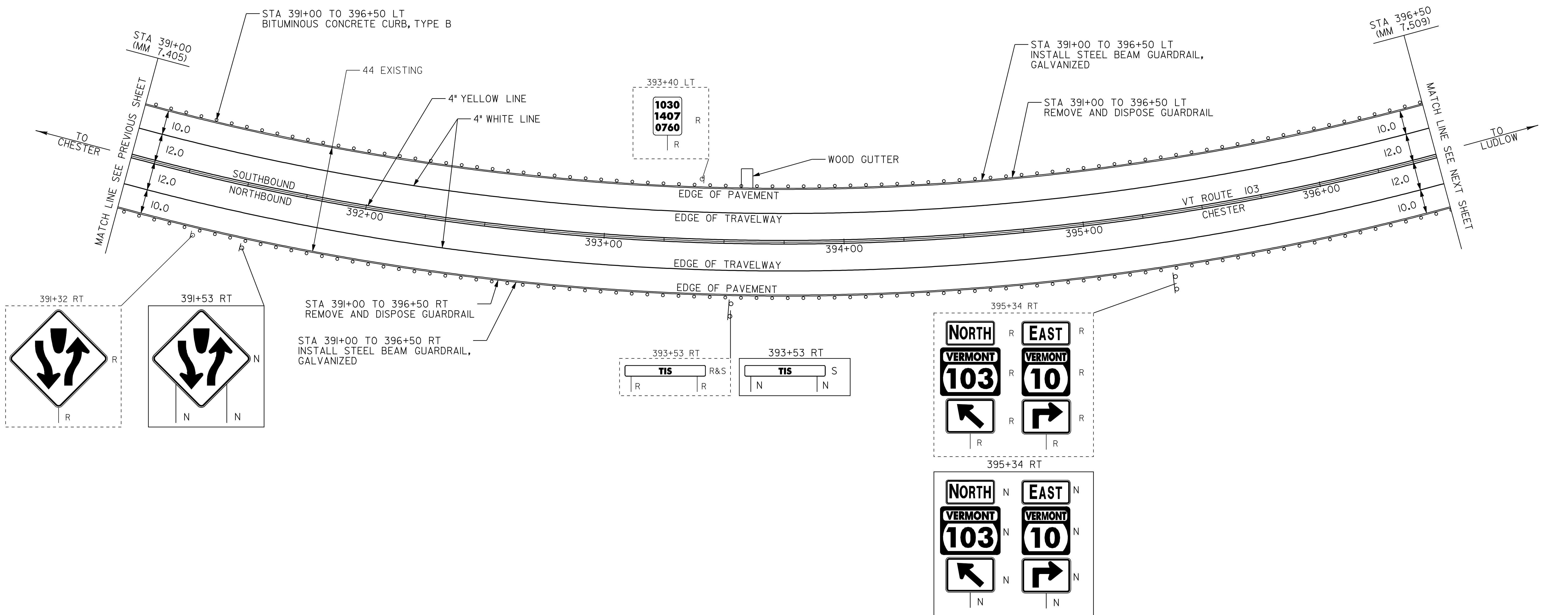
STEEL BEAM GUARDRAIL, GALVANIZED
STA 391+00 TO 396+50 LT
STA 391+00 TO 396+50 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 391+00 TO 396+50 LT
STA 391+00 TO 396+50 RT

BITUMINOUS CONCRETE CURB, TYPE B
STA 391+00 TO 396+50 LT

REMOVING SIGNS
AS SHOWN - 9

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN TIS) - 1



LEGEND

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

PAVING
PROJECT
LAYOUT #17

PROJECT:	PROJECT NO.:
CHES-TER-LUDLOW	NH 2326(I)S
DESIGN FILE NAME: \pave\Qlb038\pb038.dgn	PLOT DATE: 16-OCT-2009 16:
IPARM FILE NAME: pb0381a17.i	SURVEY DATE: 01/05
SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	SHEET: 31 OF 110

TEMPORARY 4" WHITE LINE, PAINT					
<u>DURABLE 4" WHITE LINE, THERMOPLASTIC</u>					
STA	396+50	TO	402+00	SOL ID	LT
STA	396+50	TO	402+00	SOL ID	RT
STA	397+50	TO	400+21	DOTTED	RT (LANE)
STA	400+21	TO	402+00	SOL ID	RT (LANE)

TEMPORARY 4" YELLOW LINE, PAINT				
DURABLE 4" YELLOW LINE, THERMOPLASTIC				
STA	396+50	TO	398+00	SOLID LT & RT
STA	398+00	TO	400+32	DOUBLE SOLID LT (ISLAND)
STA	398+00	TO	401+27	DOUBLE SOLID RT (ISLAND)
STA	400+32	TO	402+00	SOLID LT (ISLAND EDGE LINE)
STA	401+27	TO	402+00	SOLID RT (ISLAND EDGE LINE)

TEMPORARY 8" YELLOW LINE, PAINT
DURABLE 8" YELLOW LINE, THERMOPLASTIC
 STA 398+00 TO 401+27 (GORE)

PAINTED CURB					
STA	400+30	TO	400+60	LT TO RT	(ISLAND LEFT)
STA	400+30	TO	400+60	LT	(ISLAND RIGHT)

PAINTED ISLAND
STA 400+30 TO 400+60 LT

TEMPORARY LETTER OR SYMBOL, PAINT
STA 401+03 RT - "RIGHT TURN ARROW"

DURABLE LETTER OR SYMBOL, THERMOPLASTIC				
STA	400+25	RT	-	" ONLY"
STA	401+03	RT	-	" RIGHT TURN ARROW"
STA	401+81	RT	-	" ONLY"

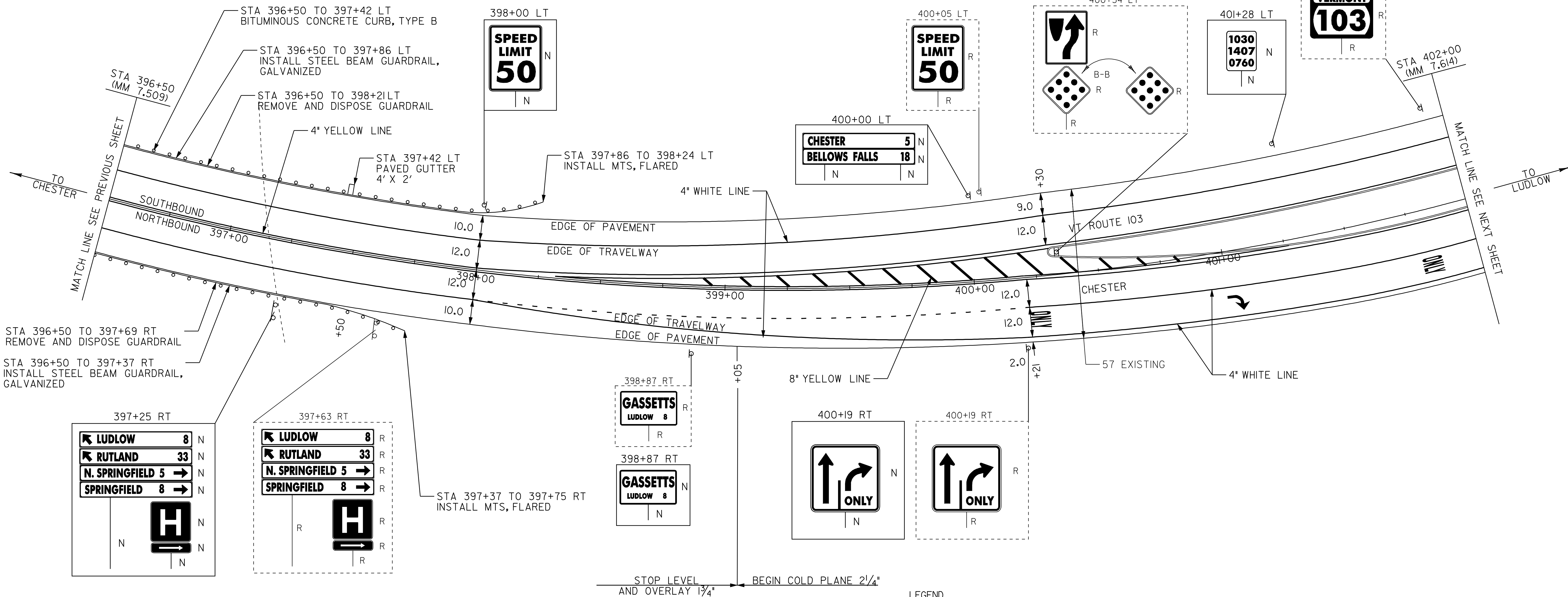
<u>STEEL BEAM GUARDRAIL, GALVANIZED</u>				
STA	396+50	T0	397+37	RT
STA	396+50	T0	397+86	LT

MANUFACTURED TERMINAL SECTION, FLARED		
STA	397+37	RT
STA	397+86	LT

REMOVAL AND DISPOSAL OF GUARDRAIL				
STA	396+50	T0	397+69	RT
STA	396+50	T0	398+21	LT

BITUMINOUS CONCRETE CURB, TYPE B
STA 396+50 TO 397+42 LT

REMOVING SIGNS
AS SHOWN - 14



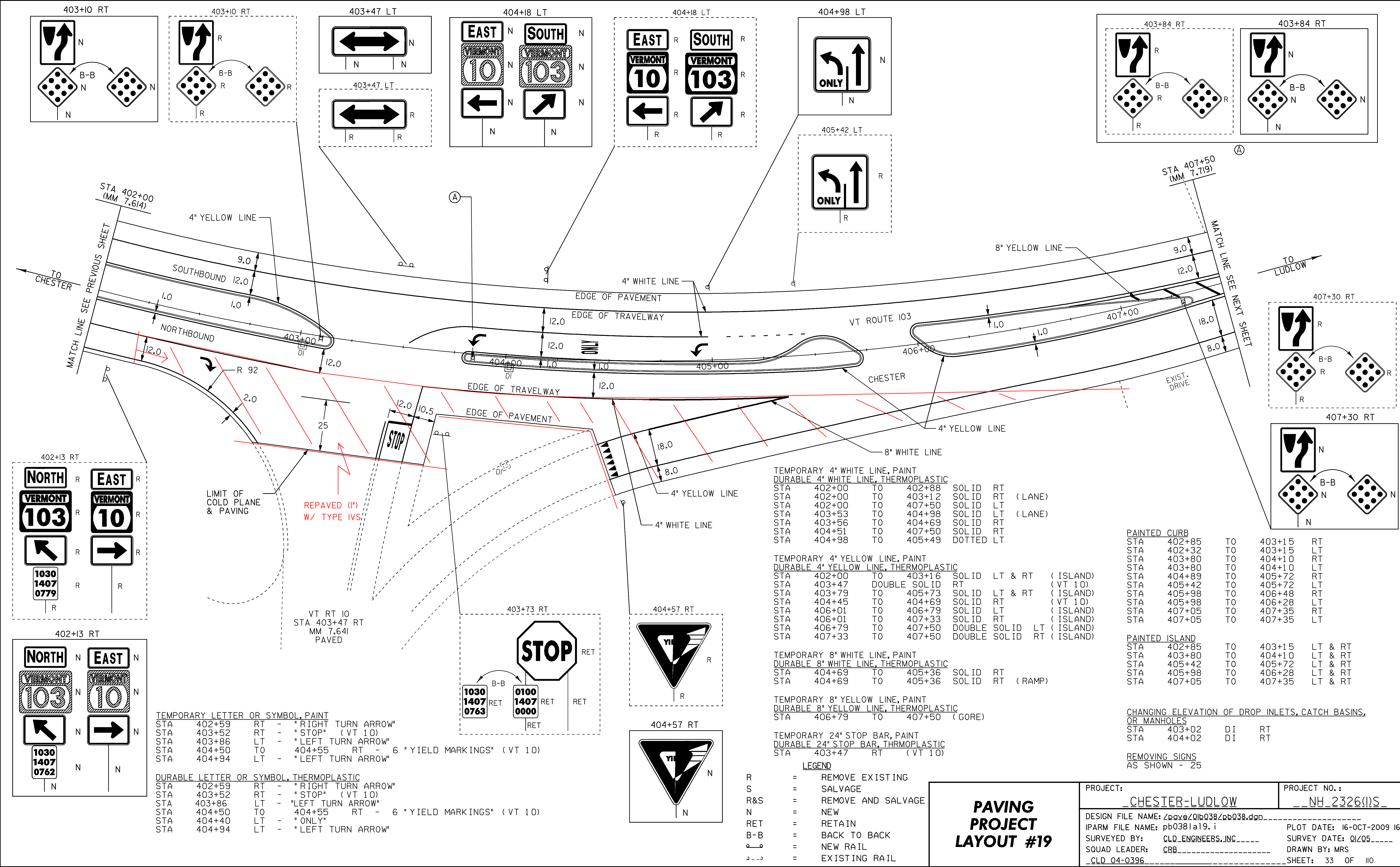
R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	NEW RAIL
	=	EXISTING RAIL

PAVING PROJECT LAYOUT #18

PROJECT: CHESTER-LUDLOW

PROJECT NO.:
__NH_2326(I)S

DESIGN FILE NAME: pgve\Qlb038\pb038.dgn-----
IPARM FILE NAME: pb038la18.i PLOT DATE: 16-OCT-2009 16:16
SURVEYED BY: CLD_ENGINEERS,INC SURVEY DATE: Q1/Q5-----
SQUAD LEADER: CRB DRAWN BY: MRS
CLD 04-0396----- SHEET: 32 OF 110

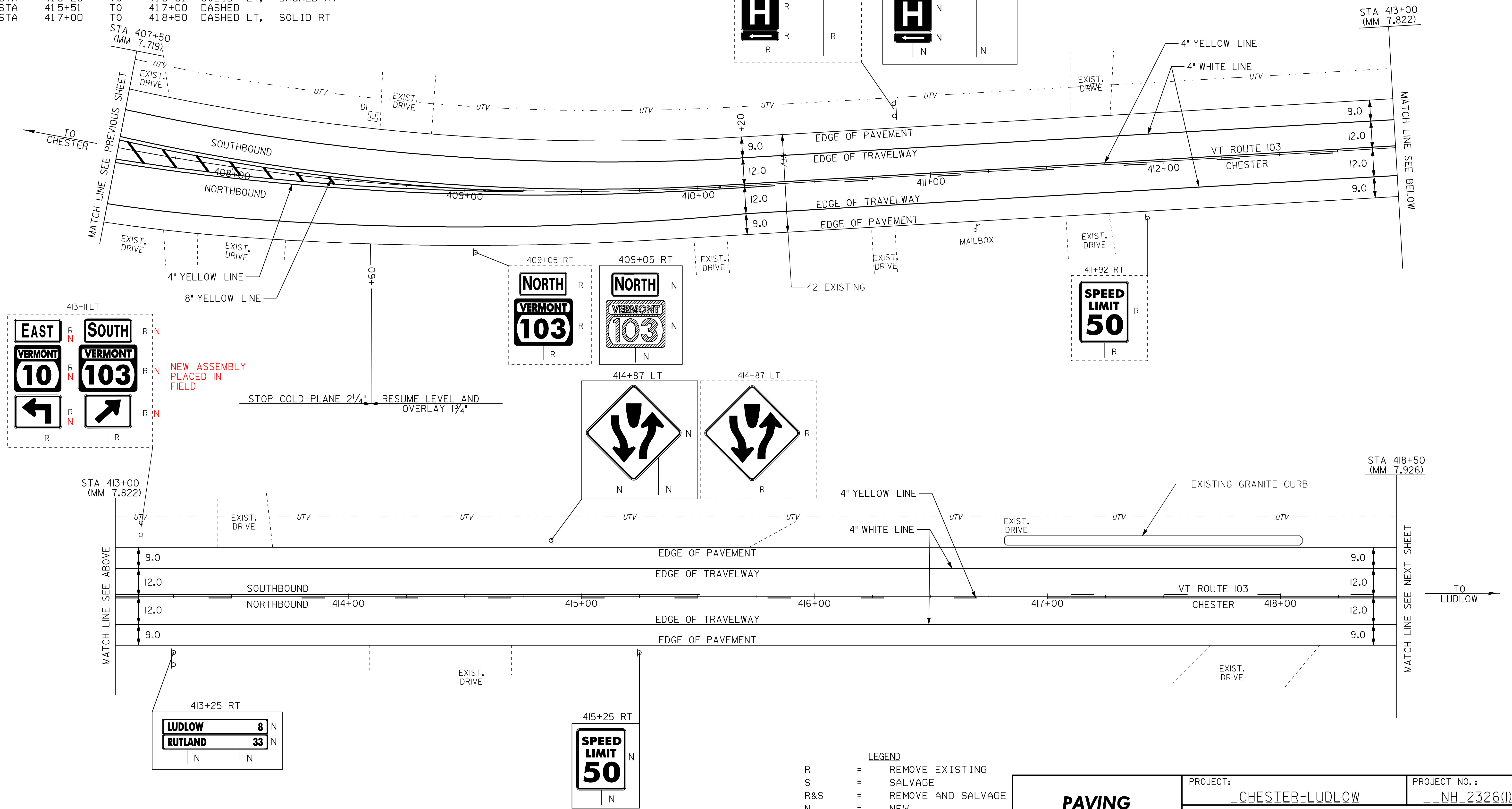


TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 407+50 TO 418+50 SOLID LT
STA 407+50 TO 418+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 407+50 TO 409+25 DOUBLE SOLID LT (ISLAND)
STA 407+50 TO 409+25 DOUBLE SOLID RT (ISLAND)
STA 409+25 TO 410+23 SOLID LT & RT
STA 410+23 TO 415+51 SOLID LT, DASHED RT
STA 415+51 TO 417+00 DASHED
STA 417+00 TO 418+50 DASHED LT, SOLID RT

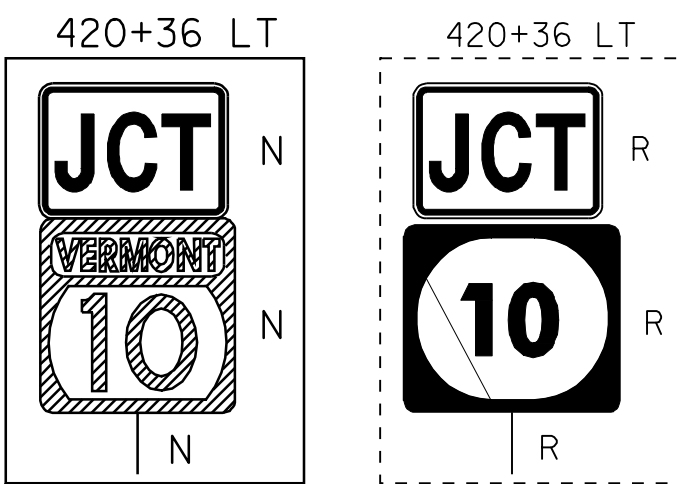
TEMPORARY 8" YELLOW LINE, PAINT
DURABLE 8" YELLOW LINE, THERMOPLASTIC
STA 407+50 TO 408+43 (GORE)

REMOVING SIGNS
AS SHOWN - 16



TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 418+50 TO 429+50 SOLID LT
STA 418+50 TO 429+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 418+50 TO 421+85 DASHED LT, SOLID RT
STA 421+85 TO 429+50 SOLID LT & RT

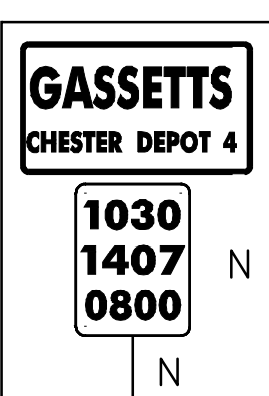


STEEL BEAM GUARDRAIL, GALVANIZED
STA 425+54 TO 429+50 LT

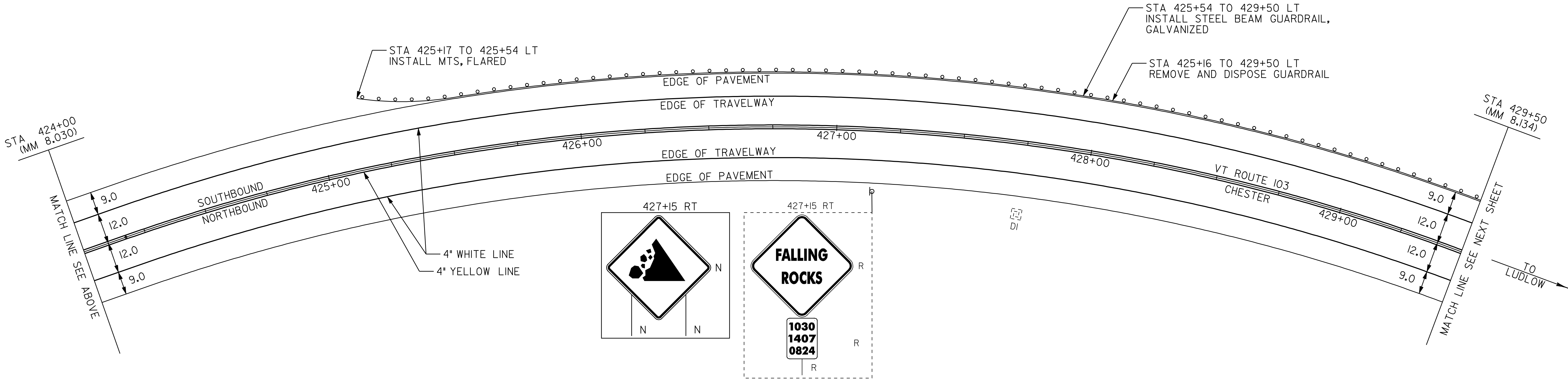
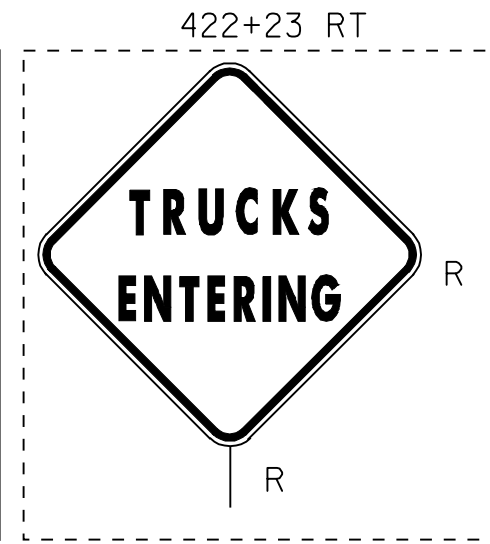
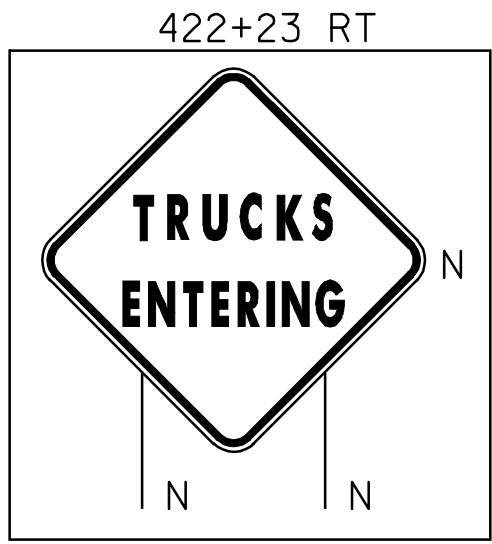
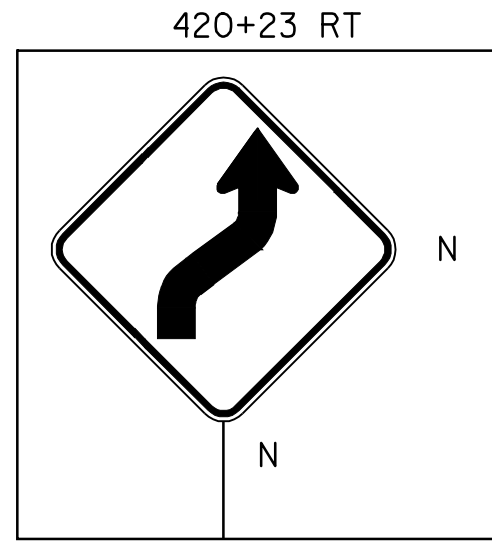
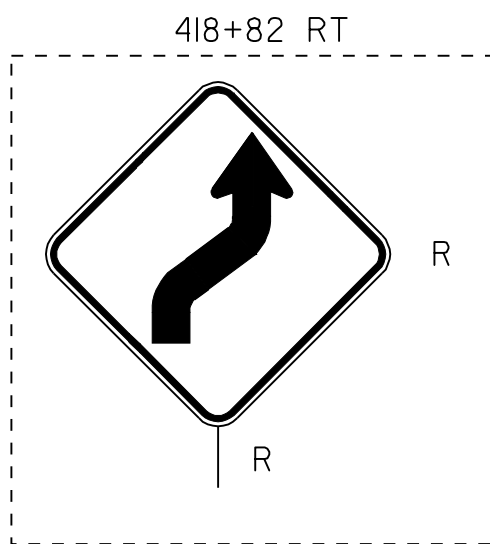
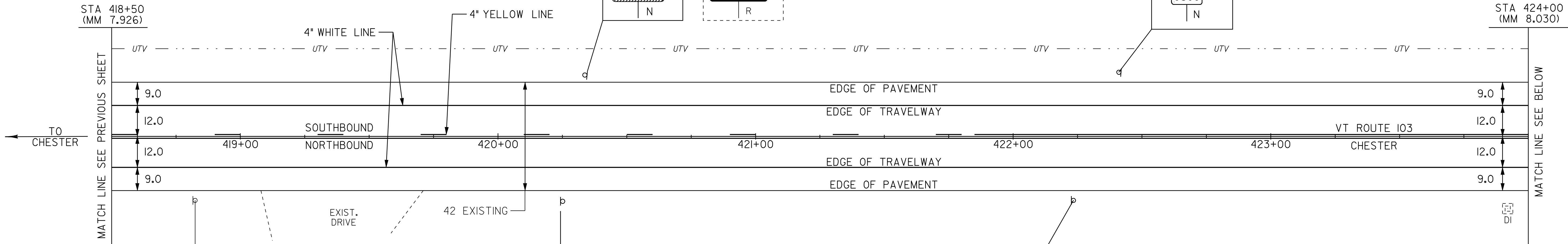
MANUFACTURED TERMINAL SECTION, FLARED
STA 425+54 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 425+16 TO 429+50 LT

422+40 LT



REMOVING SIGNS
AS SHOWN - 6



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

**PAVING
PROJECT
LAYOUT #21**

PROJECT: _CHESTER-LUDLOW

PROJECT NO.: _NH_2326(I)S_

DESIGN FILE NAME: LDave\QlbQ38\pbQ38.dgn

IPARM FILE NAME: pb0381a21.i

SURVEYED BY: CLD_ENGINEERS, INC

SQUAD LEADER: CRB

_CLD_04-0396

PLOT DATE: 16-OCT-2009 16:

SURVEY DATE: Q1205

DRAWN BY: MRS

SHEET: 35 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 429+50 TO 440+50 SOLID LT
STA 429+50 TO 440+50 SOLID RT

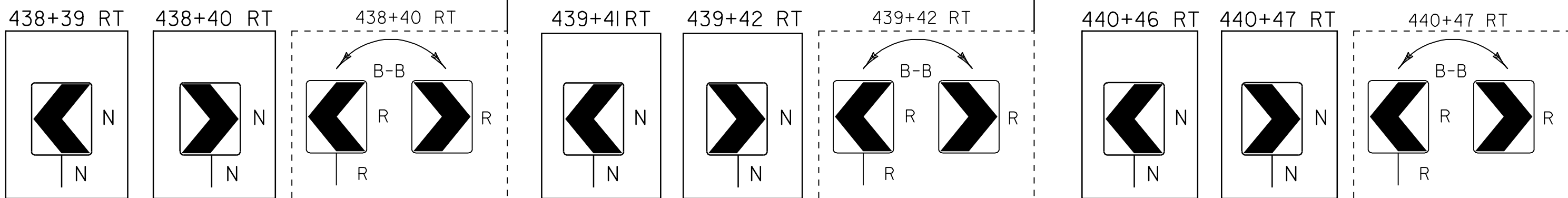
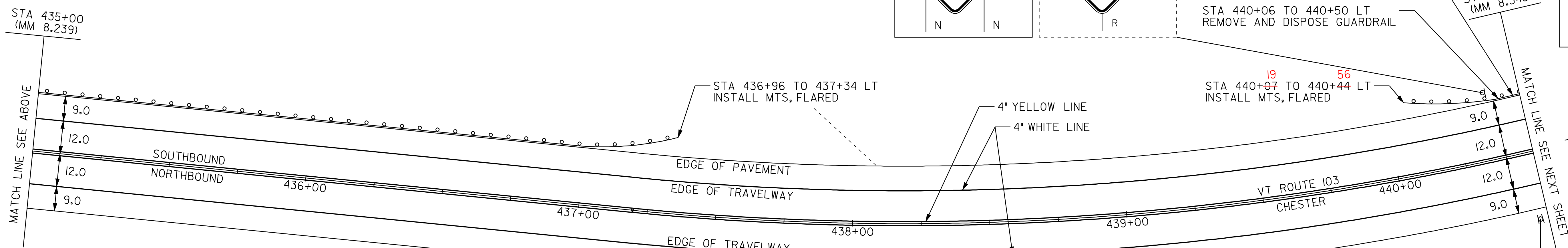
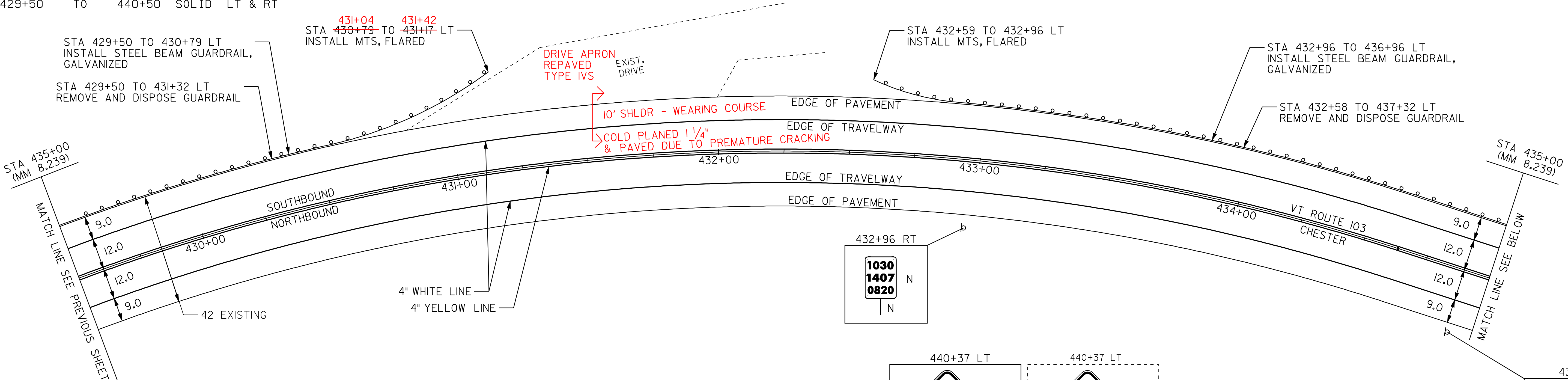
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 429+50 TO 440+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 429+50 TO 430+79 LT 431+04
STA 432+96 TO 436+96 LT
STA 440+44 TO 440+50 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 430+79 TO 431+04 LT 431+04
STA 432+96 TO 436+96 LT
STA 440+44 TO 440+50 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 429+50 TO 431+32 LT
STA 432+58 TO 437+32 LT
STA 440+06 TO 440+50 LT

REMOVING SIGNS
AS SHOWN - 7



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

PAVING
PROJECT
LAYOUT #22

PROJECT:
_CHESTER-LUDLOW

PROJECT NO.:
_NH_2326(I)S_

DESIGN FILE NAME: LDave\Qlb\Q38\pbQ38.dgn
IPARM FILE NAME: pb0381a22.i
SURVEYED BY: CLD_ENGINEERS, INC
SQUAD LEADER: CRB
_CLD_04-0396

PLOT DATE: 16-OCT-2009 16:
SURVEY DATE: 01/05
DRAWN BY: MRS
SHEET: 36 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 440+50 TO 451+50 SOLID LT
STA 440+50 TO 451+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 440+50 TO 451+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 440+50 TO 443+06 LT
STA 442+27 TO 443+27 RT
STA 447+61 TO 447+99 LT
STA 447+82 TO 451+50 RT

GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I
STA 443+27 TO 443+77 RT
STA 447+11 TO 447+61 LT

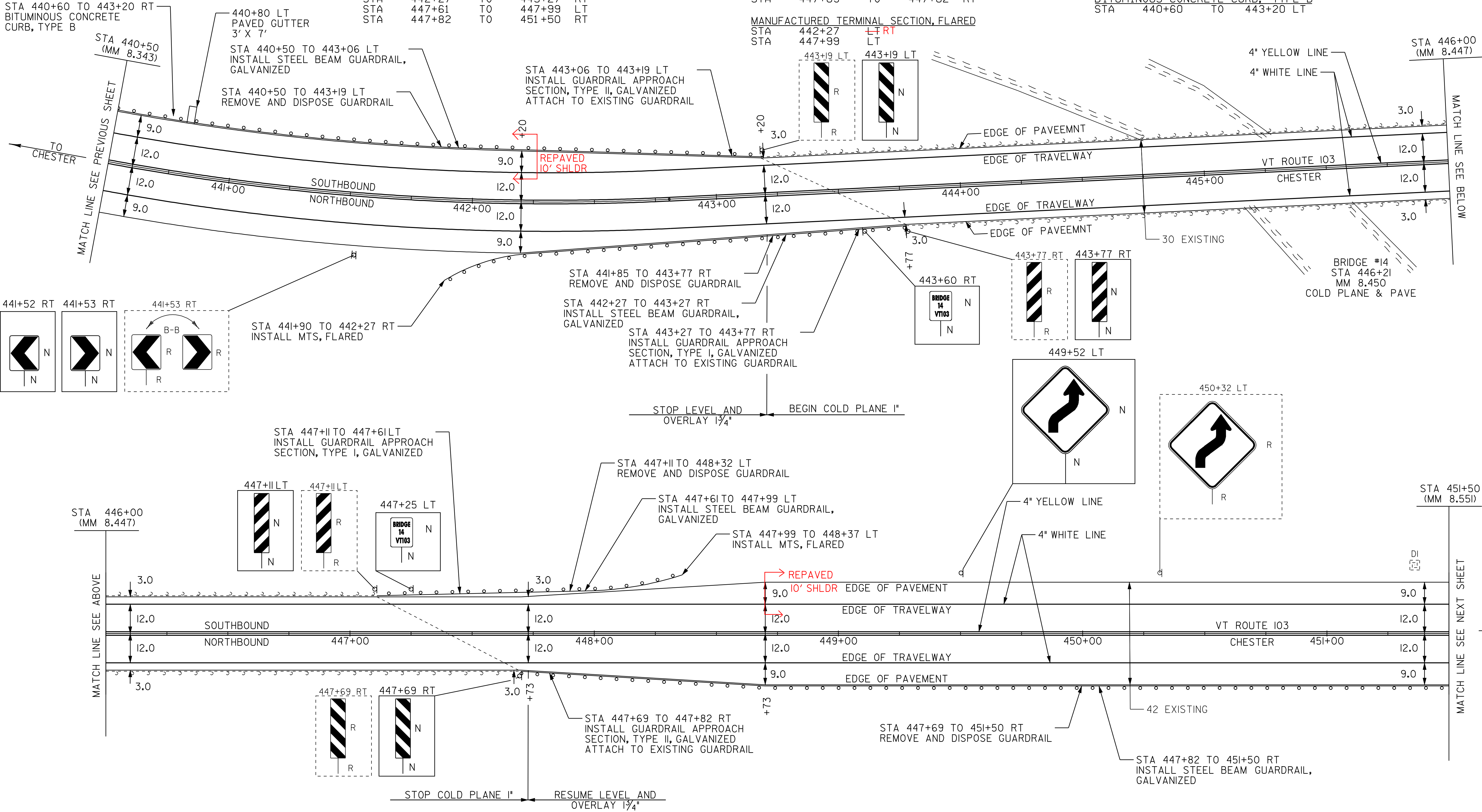
GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II
STA 443+06 TO 443+19 LT
STA 447+69 TO 447+82 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA 442+27 LT
STA 447+99 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 440+50 TO 443+19 LT
STA 441+85 TO 443+77 RT
STA 447+11 TO 448+32 LT
STA 447+69 TO 451+50 RT

BITUMINOUS CONCRETE CURB, TYPE B
STA 440+60 TO 443+20 LT

REMOVING SIGNS
AS SHOWN - 7



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

PAVING PROJECT LAYOUT #23	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: pb0381a23.1	SURVEY DATE: 01/05
	SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
	CLD_04-0396	SHEET: 37 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 451+50 TO 459+81 SOL ID RT
STA 451+50 TO 463+00 SOL ID LT
STA 460+14 TO 463+00 SOL ID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 451+50 TO 459+85 SOL ID LT & RT
STA 460+05 DOUBLE SOL ID RT (TH 19)
STA 460+25 TO 460+60 SOL ID LT & RT
STA 460+60 TO 463+00 SOL ID LT, DASHED RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA 460+05 RT (TH 19)
TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA 460+12 RT - "STOP" (TH 19)

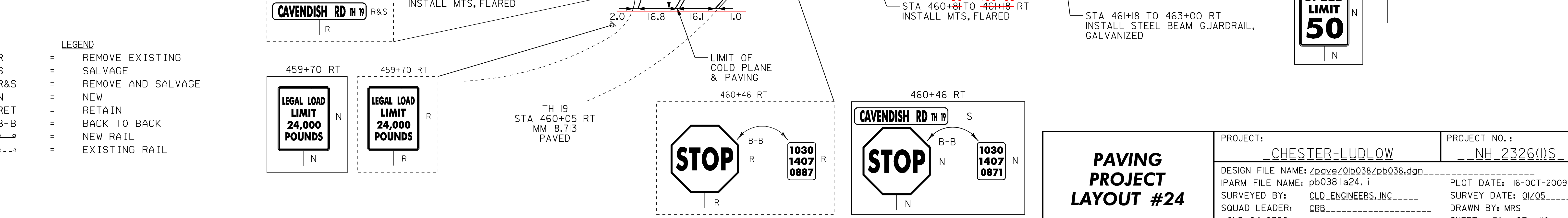
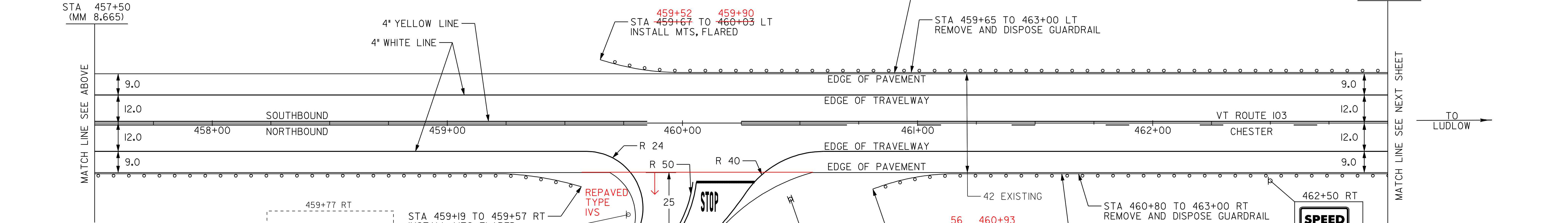
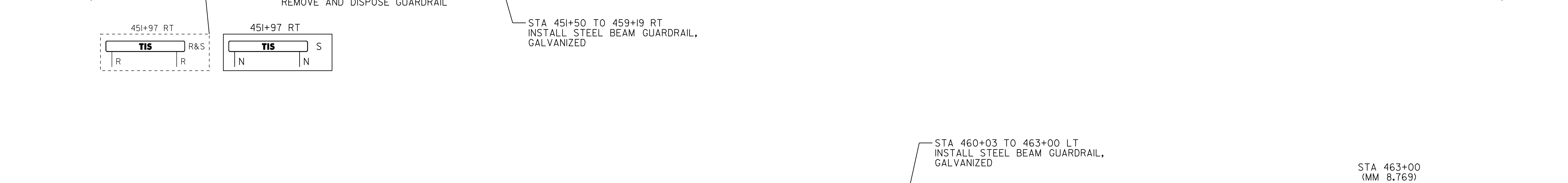
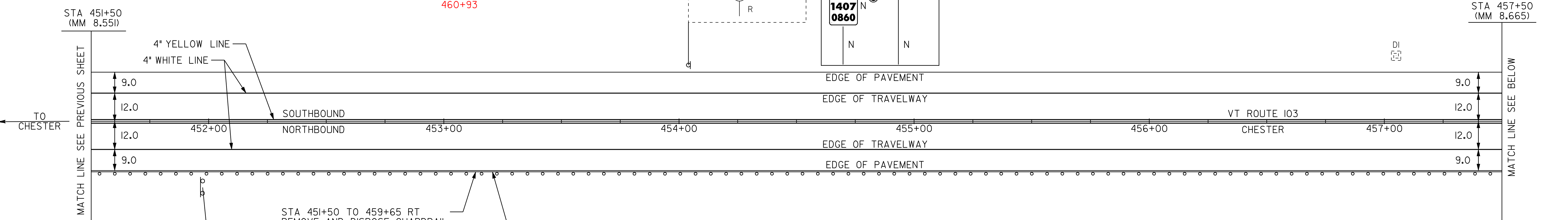
STEEL BEAM GUARDRAIL, GALVANIZED
STA 451+50 TO 459+19 RT
STA 459+90 TO 460+03 LT
STA 461+18 TO 463+00 RT
STA 460+93 TO 463+00 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 459+19 RT
STA 460+03 LT 459+90
STA 461+18 RT
STA 460+93

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 451+50 TO 459+65 RT
STA 459+65 TO 463+00 LT
STA 460+80 TO 463+00 RT

REMOVING SIGNS
AS SHOWN - 6
ERECTING SALVAGED SIGNS
AS SHOWN - 1

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 1



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

459+70 RT
LEGAL LOAD
LIMIT
24,000
POUNDS
N

459+70 RT
LEGAL LOAD
LIMIT
24,000
POUNDS
R

TH 19
STA 460+05 RT
MM 8.713
PAVED

STOP
1030
1407
0887

CAVENDISH RD TH 19
STOP
1030
1407
0871

PAVING
PROJECT
LAYOUT #24

PROJECT: _CHESTER-LUDLOW
PROJECT NO.: _NH_2326(I)S_
DESIGN FILE NAME: \pave\01b038\pb038.dgn
IPARM FILE NAME: pb0381a24.i
SURVEYED BY: CLD_ENGINEERS, INC
SQUAD LEADER: CRB
PLOT DATE: 16-OCT-2009 17:
SURVEY DATE: 01/05
DRAWN BY: MRS
SHEET: 38 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 463+00 TO 474+00 SOLID LT
STA 463+00 TO 474+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 463+00 TO 464+30 SOLID LT, DASHED RT
STA 464+30 TO 468+00 DASHED
STA 468+00 TO 473+80 DASHED LT, SOLID RT
STA 473+80 TO 474+00 SOLID LT & RT

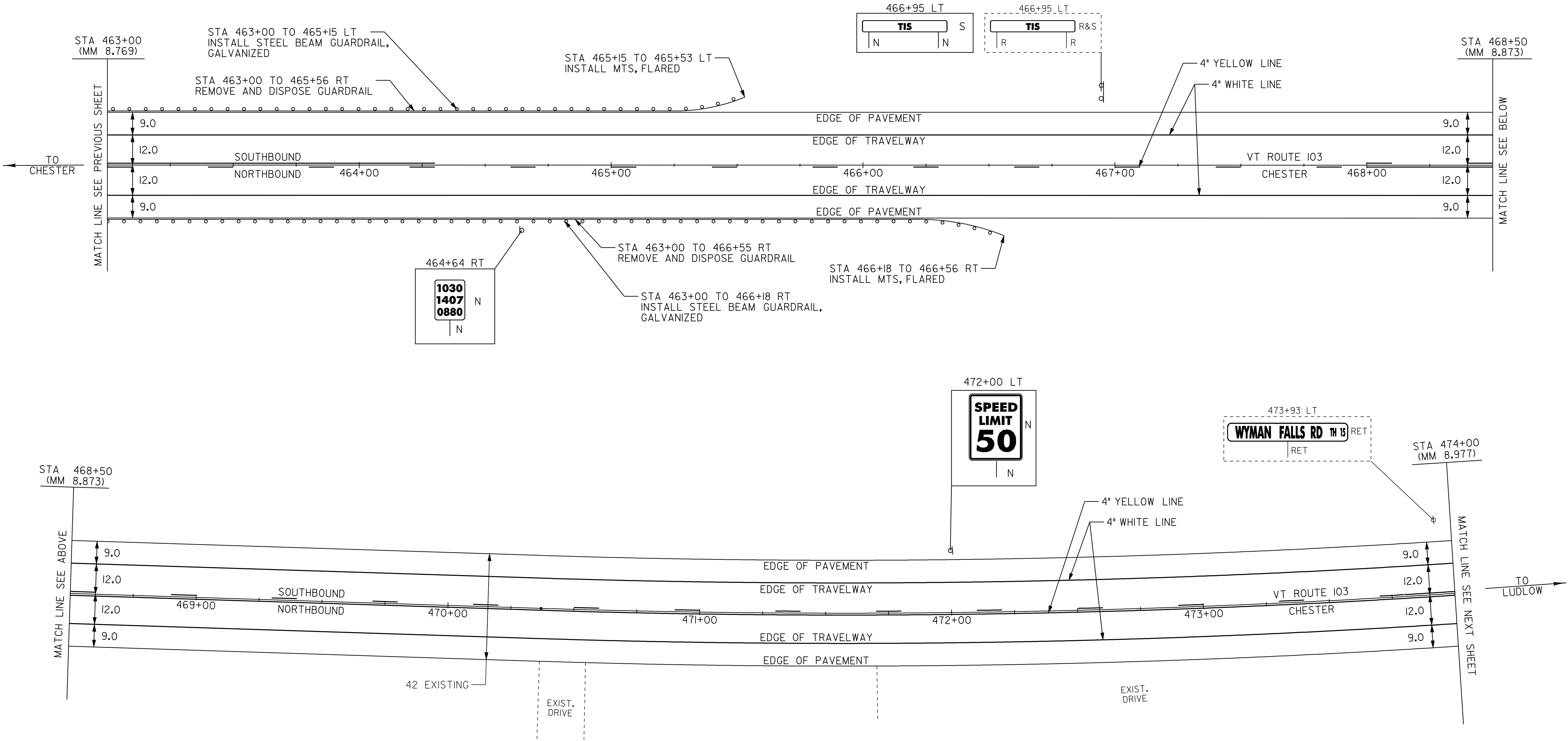
STEEL BEAM GUARDRAIL, GALVANIZED
STA 463+00 TO 465+15 LT
STA 463+00 TO 466+18 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA 465+15 LT
STA 466+18 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 463+00 TO 465+56 LT
STA 463+00 TO 466+55 RT

REMOVING SIGNS
AS SHOWN - 1

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 1



LEGEND		
R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
—○—	=	NEW RAIL
—●—	=	EXISTING RAIL

PAVING PROJECT LAYOUT #25	PROJECT:	PROJECT NO.:
	<u> _CHESTER-LUDLOW </u>	<u> _NH_2326(I)S_ </u>
	DESIGN FILE NAME: <u> \pave\01b038\pb038.dgn </u>	
	IPARM FILE NAME: <u> pb0381a25.i </u>	PLOT DATE: <u> 16-OCT-2009 17: </u>
	SURVEYED BY: <u> CLD_ENGINEERS, INC </u>	SURVEY DATE: <u> 01/05 </u>
SQUAD LEADER: <u> CRB </u>		DRAWN BY: <u> MRS </u>
<u> _CLD_04-0396 </u>		SHEET: <u> 39 </u> OF <u> 110 </u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 474+00 TO 474+57 SOLID LT
STA 474+00 TO 485+00 SOLID RT
STA 474+96 TO 485+00 SOLID LT

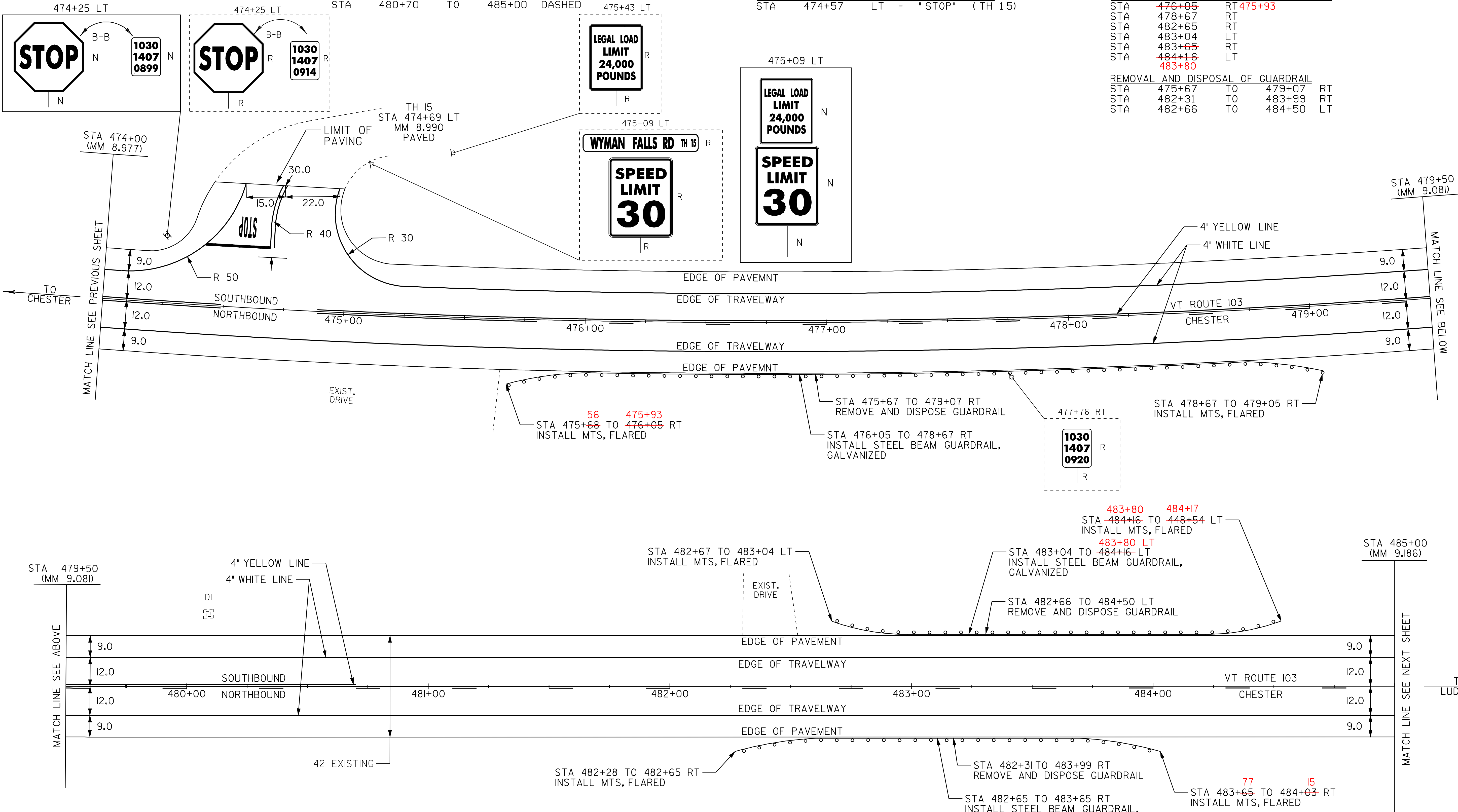
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 474+00 TO 474+49 SOLID LT & RT
STA 474+69 TO 474+49 DOUBLE SOLID LT (TH 15)
STA 474+89 TO 475+70 SOLID LT & RT
STA 475+70 TO 480+70 SOLID LT, DASHED RT
STA 480+70 TO 485+00 DASHED

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA 474+69 LT (TH 15)
TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA 474+57 LT - "STOP" (TH 15)

STEEL BEAM GUARDRAIL, GALVANIZED
475+93 STA ~~476+05~~ TO 478+67 RT
STA 482+65 TO 483+65 RT
STA 483+04 TO ~~484+16~~ LT
483+80
MANUFACTURED TERMINAL SECTION, FLARED
STA ~~476+05~~ RT 475+93
STA 478+67 RT
STA 482+65 RT
STA 483+04 LT
STA ~~483+65~~ RT
STA ~~484+16~~ LT
483+80

REMOVING SIGNS
AS SHOWN - 6

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 475+67 TO 479+07 RT
STA 482+31 TO 483+99 RT
STA 482+66 TO 484+50 LT



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

PAVING PROJECT LAYOUT #26

PROJECT:	PROJECT NO.:
<u>CHESTER-LUDLOW</u>	<u>NH 2326(I)S</u>
DESIGN FILE NAME: <u>LDave\Qlb038\pb038.dgn</u>	PLOT DATE: <u>16-OCT-2009 17:</u>
IPARM FILE NAME: <u>pb0381a26.i</u>	SURVEY DATE: <u>01/05</u>
SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	DRAWN BY: <u>MRS</u>
SQUAD LEADER: <u>CRB</u>	
<u>CLD 04-0396</u>	SHEET: <u>40</u> OF <u>110</u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 485+00 TO 496+00 SOLID LT
STA 485+00 TO 496+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 485+00 TO 488+10 DASHED
STA 488+10 TO 495+10 DASHED LT, SOLID RT
STA 495+10 TO 496+00 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA 494+26 TO 494+88 RT
STA 495+63 TO 495+76 LT

GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I
STA 494+88 TO 495+38 RT TYPE I

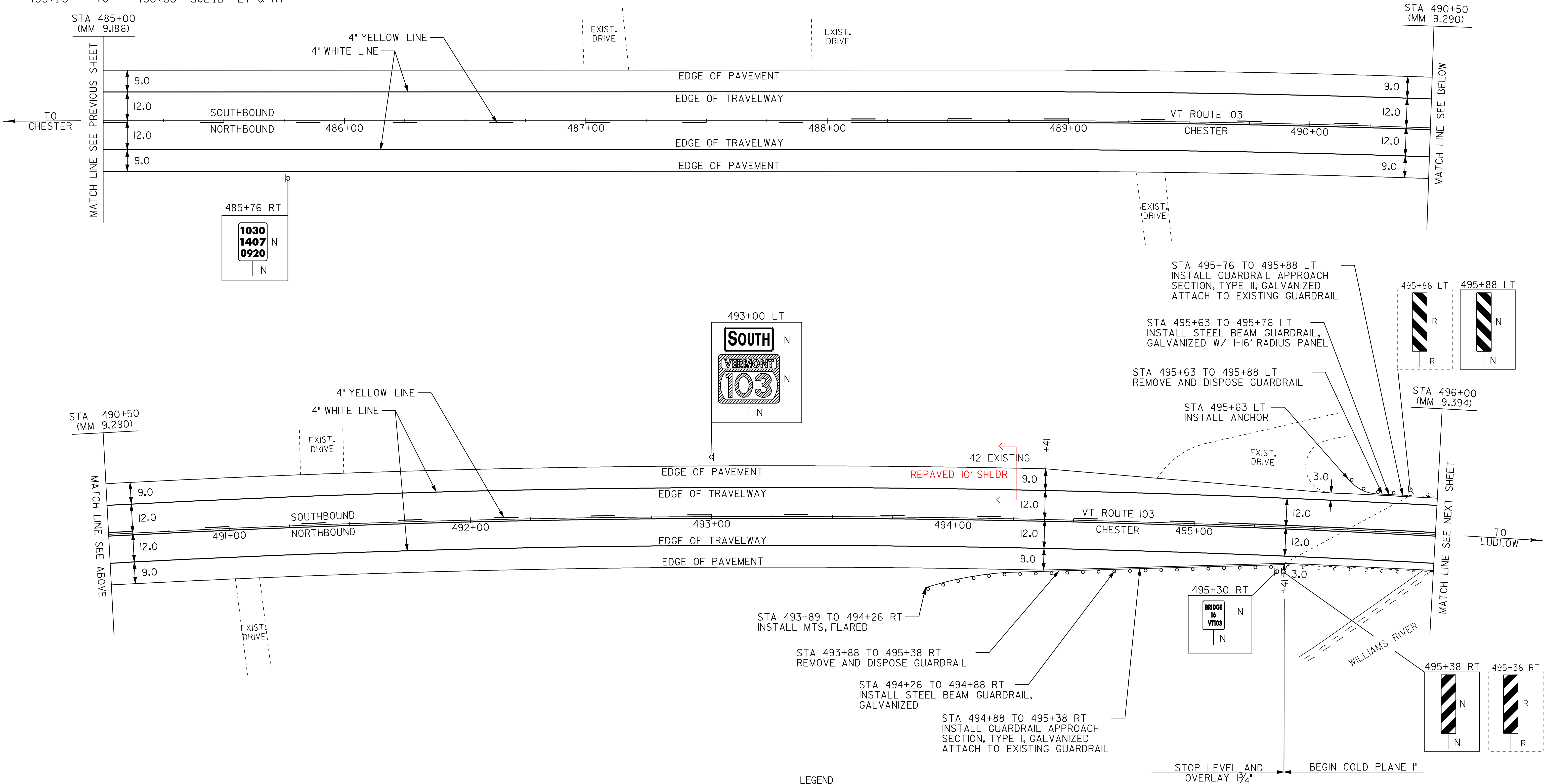
GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II
STA 495+76 TO 495+88 LT TYPE II

MANUFACTURED TERMINAL SECTION, FLARED
STA 494+26 RT

ANCHOR FOR STEEL BEAM RAIL
STA 495+63 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 493+88 TO 495+38 RT
STA 495+63 TO 495+88 LT

REMOVING SIGNS
AS SHOWN - 2



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

PAVING PROJECT LAYOUT #27	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: \pave\01b038\pb038.dgn	IPARM FILE NAME: pb0381a27.i
	SURVEYED BY: CLD_ENGINEERS, INC	PLOT DATE: 16-OCT-2009 17:05
	SQUAD LEADER: CRB	SURVEY DATE: 01/05/2010
	CLD_04-0396	DRAWN BY: MRS
		SHEET: 41 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC

STA 496+00	TO	498+60	SOLID	LT
STA 496+00	TO	507+00	SOLID	RT
STA 498+83	TO	507+00	SOLID	LT

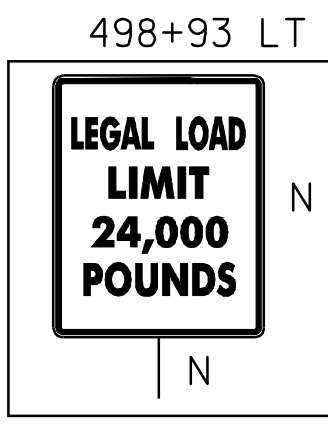
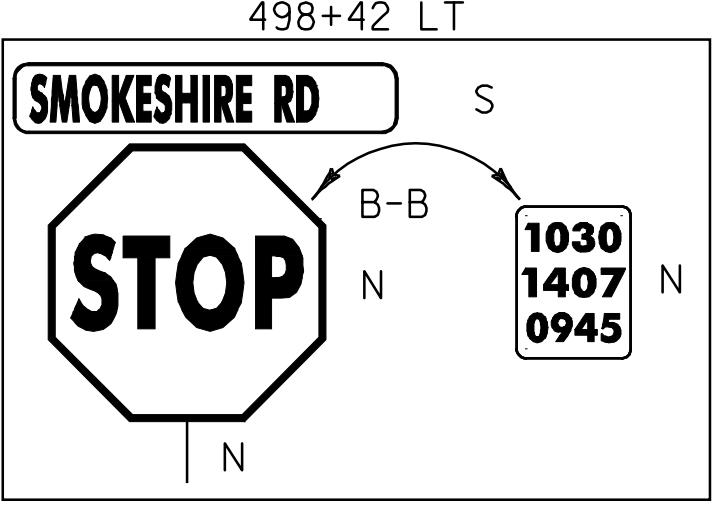
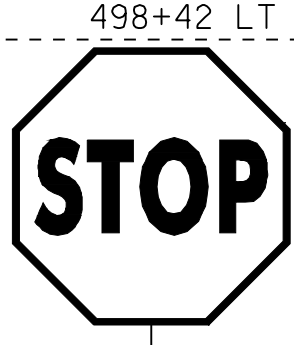
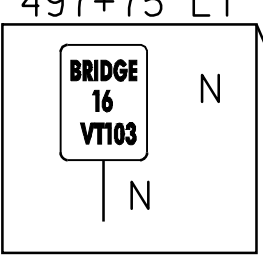
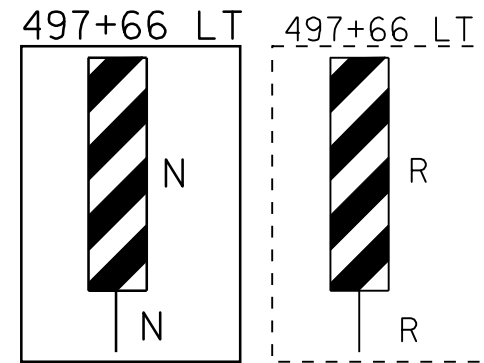
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA 496+00	TO	498+50	SOLID	LT & RT
STA 498+70	DOUBLE	SOLID	LT	(TH 9)
STA 498+90	TO	499+00	SOLID	LT & RT
STA 499+00	TO	503+80	SOLID	LT, DASHED RT
STA 503+80	TO	507+00	DASHED	

STA 498+16 TO 498+39 LT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED W/ 1-16' RADIUS PANEL

STA 497+66 TO 498+39 LT
REMOVE AND DISPOSE GUARDRAIL

STA 497+66 TO 498+16 LT
INSTALL GUARDRAIL APPROACH
SECTION, TYPE I, GALVANIZED
ATTACH TO EXISTING GUARDRAIL

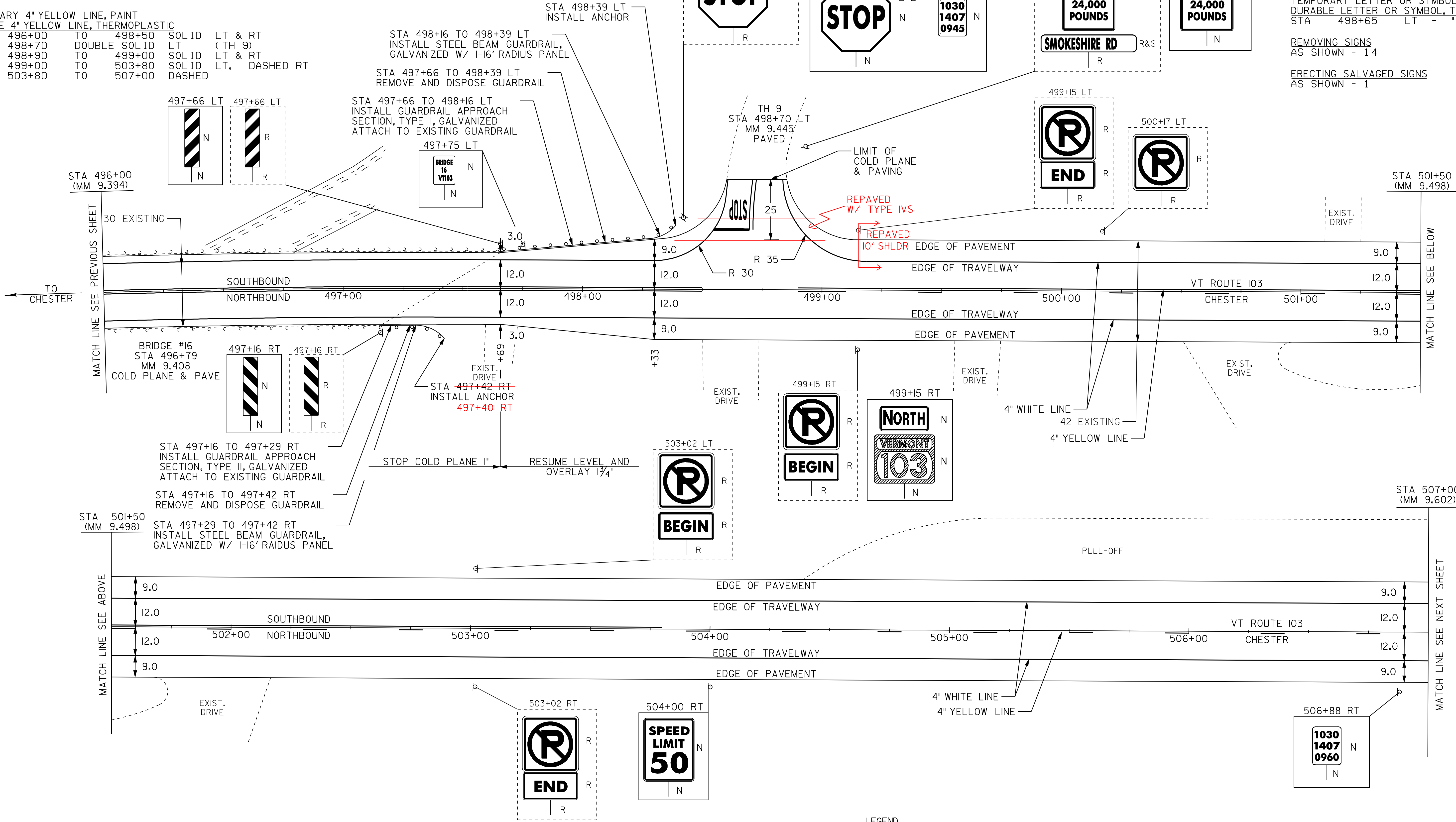


TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC

REMOVING SIGNS
AS SHOWN - 14

ERECTING SALVAGED SIGNS
AS SHOWN - 1



STEEL BEAM GUARDRAIL, GALVANIZED

STA 497+29	TO	497+42	RT
STA 498+16	TO	498+39	LT

GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I

STA 497+66	TO	498+16	LT
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GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II

STA 497+16	TO	497+29	RT
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ANCHOR FOR STEEL BEAM RAIL

STA 497+42	RT
STA 498+39	LT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA 497+16	TO	497+42	RT
STA 497+66	TO	498+39	LT

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

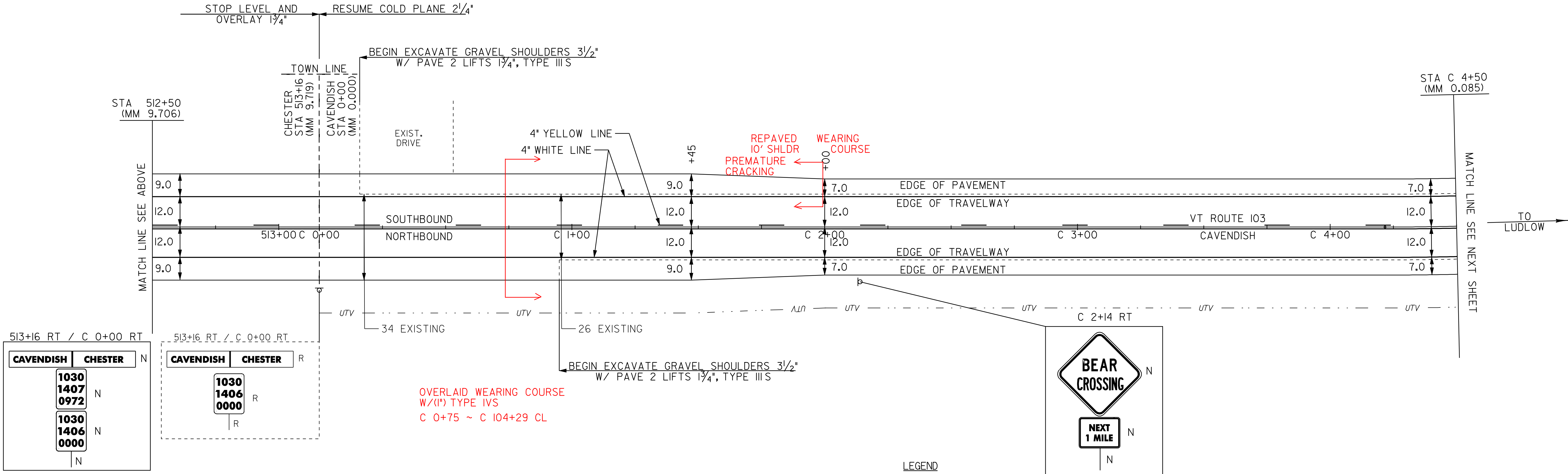
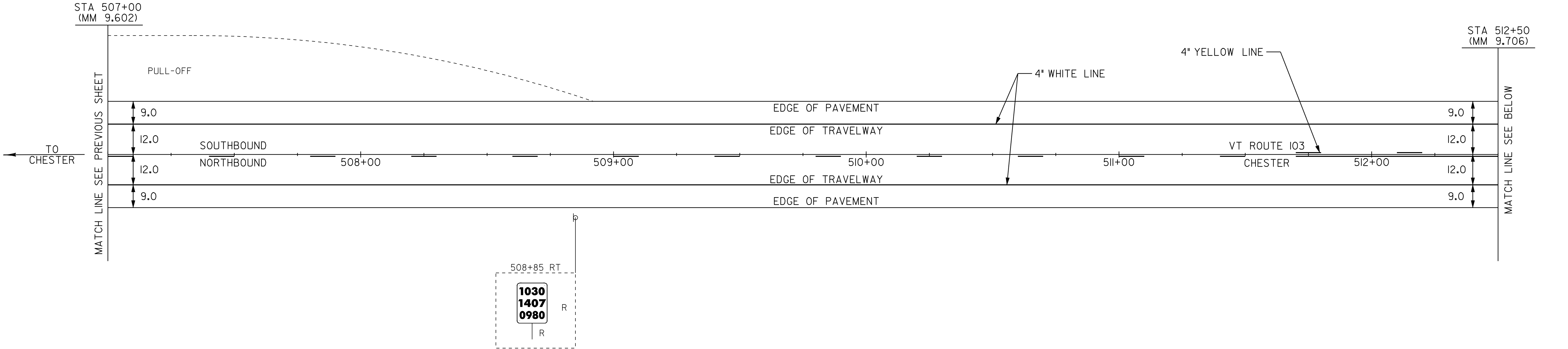
**PAVING
PROJECT
LAYOUT #28**

PROJECT:	PROJECT NO.:
CHES-TER-LUDLOW	NH 2326(I)S
DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
IPARM FILE NAME: pb0381a28.1	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	SQUAD LEADER: CRB
DRAWN BY: MRS	SHEET: 42 OF 110

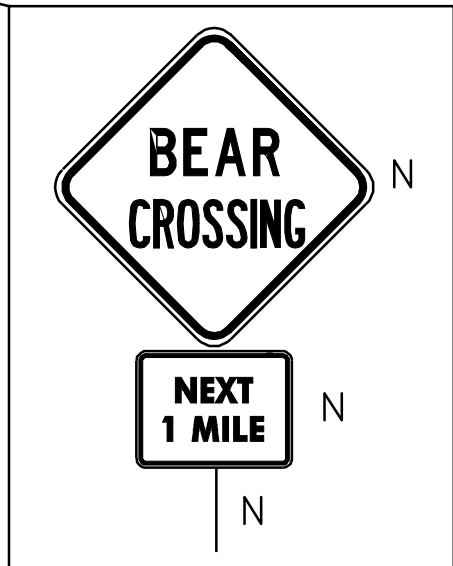
TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 507+00 TO C 4+50 SOLID LT
STA 507+00 TO C 4+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 507+00 TO 511+70 DASHED
STA 511+70 TO C 4+50 DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 3



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



**PAVING
PROJECT
LAYOUT #29**

PROJECT:	<u> _CHESTER-LUDLOW </u>	PROJECT NO.:	<u> NH_2326(I)S </u>
DESIGN FILE NAME:	<u> \pave\01b038\pb038.dgn </u>		
IPARM FILE NAME:	<u> pb0381a29.i </u>	PLOT DATE:	<u> 16-OCT-2009 17: </u>
SURVEYED BY:	<u> CLD_ENGINEERS, INC </u>	SURVEY DATE:	<u> 01/05 </u>
SQUAD LEADER:	<u> CRB </u>	DRAWN BY:	<u> MRS </u>
<u> CLD_04-0396 </u>	SHEET: 43 OF 110		

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 4+50 TO C 15+50 SOLID LT
STA C 4+50 TO C 15+50 SOLID RT

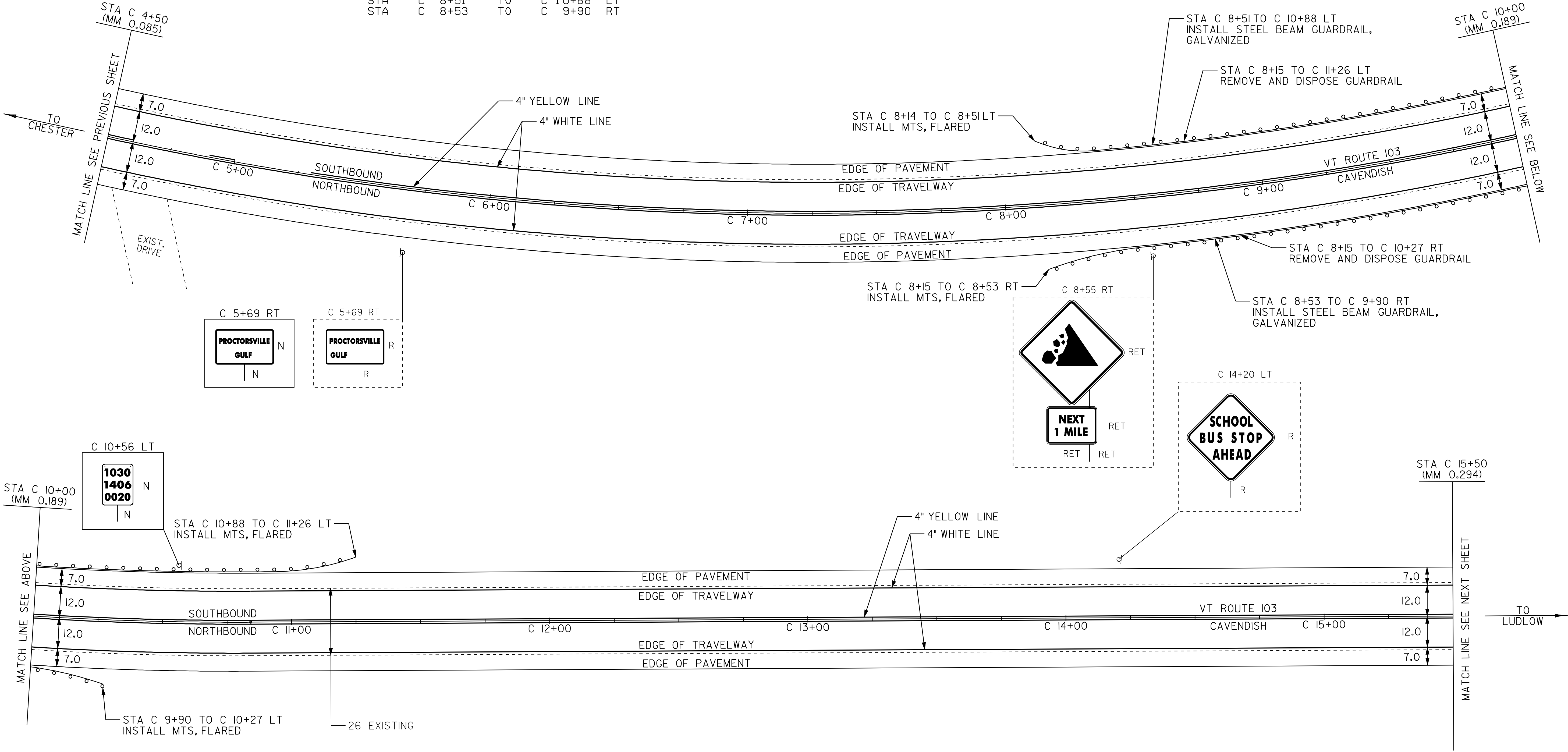
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 4+50 TO C 5+30 DASHED LT, SOLID RT
STA C 5+30 TO C 15+50 SOLID LT & RT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 8+51 LT
STA C 8+53 RT
STA C 9+90 RT
STA C 10+88 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 8+15 TO C 10+27 RT
STA C 8+15 TO C 11+26 LT

REMOVING SIGNS
AS SHOWN - 2

STEEL BEAM GUARDRAIL, GALVANIZED
STA C 8+51 TO C 10+88 LT
STA C 8+53 TO C 9+90 RT



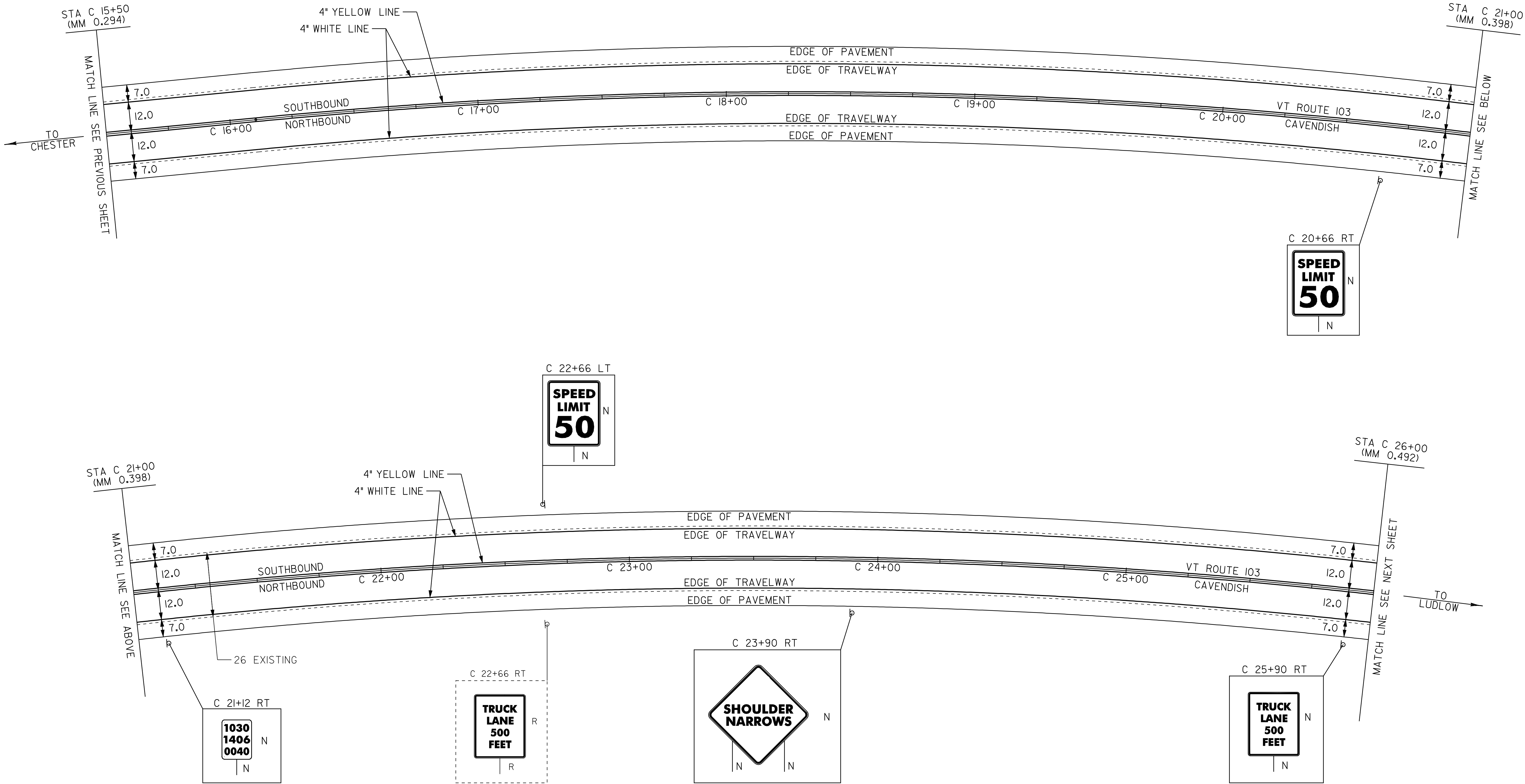
- LEGEND
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL

PAVING PROJECT LAYOUT #30	PROJECT:	PROJECT NO.:
	CHESLER-LUDLOW	NH 2326(1)S
	DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: pb0381a30.1	SURVEY DATE: 01/05
	SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
	CLD 04-0396	SHEET: 44 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 15+50 TO C 26+00 SOLID LT
STA C 15+50 TO C 26+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 15+50 TO C 26+00 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



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

PAVING
PROJECT
LAYOUT #31

PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW__	__NH_2326(I)S__
DESIGN FILE NAME: ZpaveZ01bQ38ZpbQ38.dgn	PLOT DATE: 16-OCT-2009 17:
IPARM FILE NAME: pb0381a31.i	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	
__CLD_04-0396__	SHEET: 45 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 26+00 TO C 37+00 SOLID LT
STA C 26+00 TO C 37+00 SOLID RT
STA C 30+90 TO C 37+00 DASHED RT (LANE)

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 26+00 TO C 37+00 SOLID LT & RT

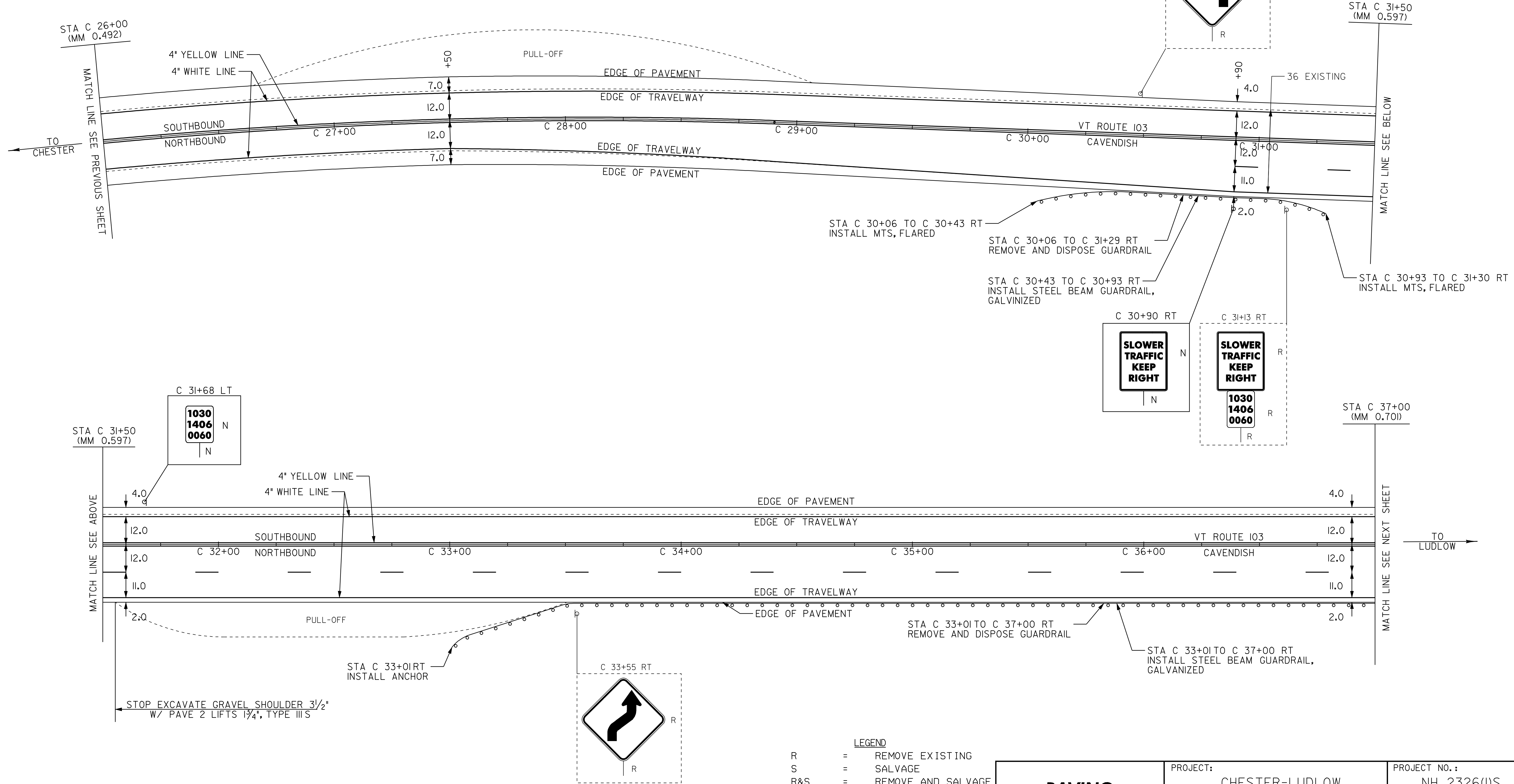
STEEL BEAM GUARDRAIL, GALVANIZED
STA C 30+43 TO C 30+93 RT
STA C 33+01 TO C 37+00 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 30+43 RT
STA C 30+93 RT

ANCHOR FOR STEEL BEAM RAIL
STA C 33+01 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 30+06 TO C 31+29 RT
STA C 33+01 TO C 37+00 RT

REMOVING SIGNS
AS SHOWN - 4



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

PAVING PROJECT LAYOUT #32	PROJECT:	PROJECT NO.:
	_CHESTER-LUDLOW	_NH_2326(I)S_
	DESIGN FILE NAME: \pave\01b038\pb038.dgn	IPARM FILE NAME: pb0381a32.i
	SURVEYED BY: CLD_ENGINEERS, INC	PLOT DATE: 16-OCT-2009 17:05
	SQUAD LEADER: CRB	SURVEY DATE: 01/05/2010
	_CLD_04-0396	DRAWN BY: MRS
		SHEET: 46 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 37+00 TO C 47+50 SOLID LT
STA C 37+00 TO C 47+50 SOLID RT
STA C 37+00 TO C 47+50 DASHED RT (LANE)

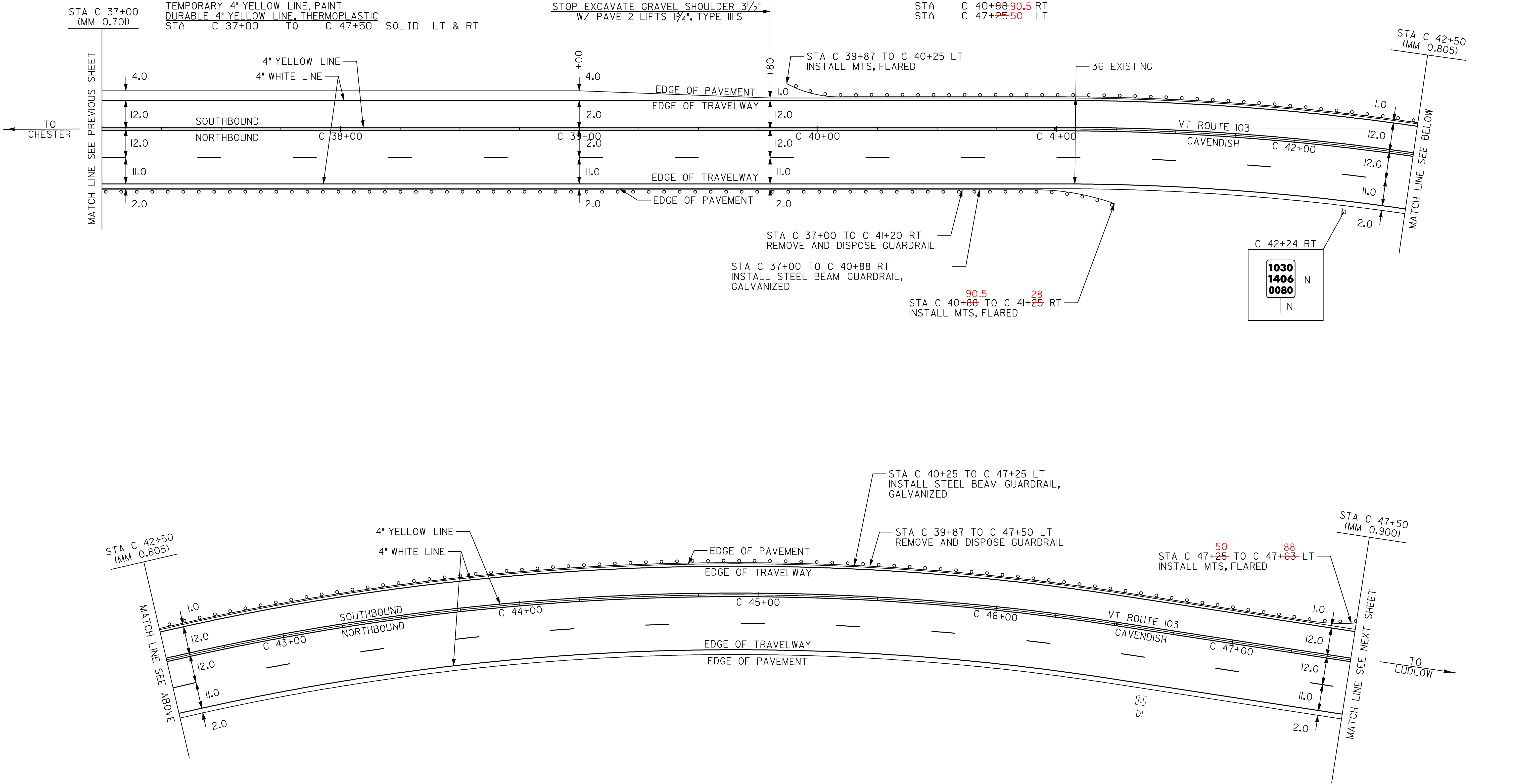
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 37+00 TO C 47+50 SOLID LT & RT

STOP EXCAVATE GRAVEL SHOULDER 3 1/2"
W/ PAVE 2 LIFTS 1 1/4", TYPE III S

STEEL BEAM GUARDRAIL, GALVANIZED
STA C 37+00 TO C 40+88 RT
STA C 40+25 TO C 47+25 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 40+25 LT
STA C 40+88 90.5 RT
STA C 47+25 50 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 37+00 TO C 41+20 RT
STA C 39+87 TO C 47+50 LT



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

**PAVING
PROJECT
LAYOUT #33**

PROJECT: _CHESTER-LUDLOW	PROJECT NO.: _NH_2326(I)S_
DESIGN FILE NAME: \pave\01b038\pb038.dgn	
IPARM FILE NAME: pb0381a33.i	PLOT DATE: 16-OCT-2009 17:
SURVEYED BY: CLD_ENGINEERS, INC	SURVEY DATE: 01/05
SQUAD LEADER: CRB	DRAWN BY: MRS
_CLD_04-0396	SHEET: 47 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 47+50 TO C 58+00 SOLID LT
STA C 47+50 TO C 58+00 SOLID RT
STA C 47+50 TO C 58+50 DASHED RT (LANE)

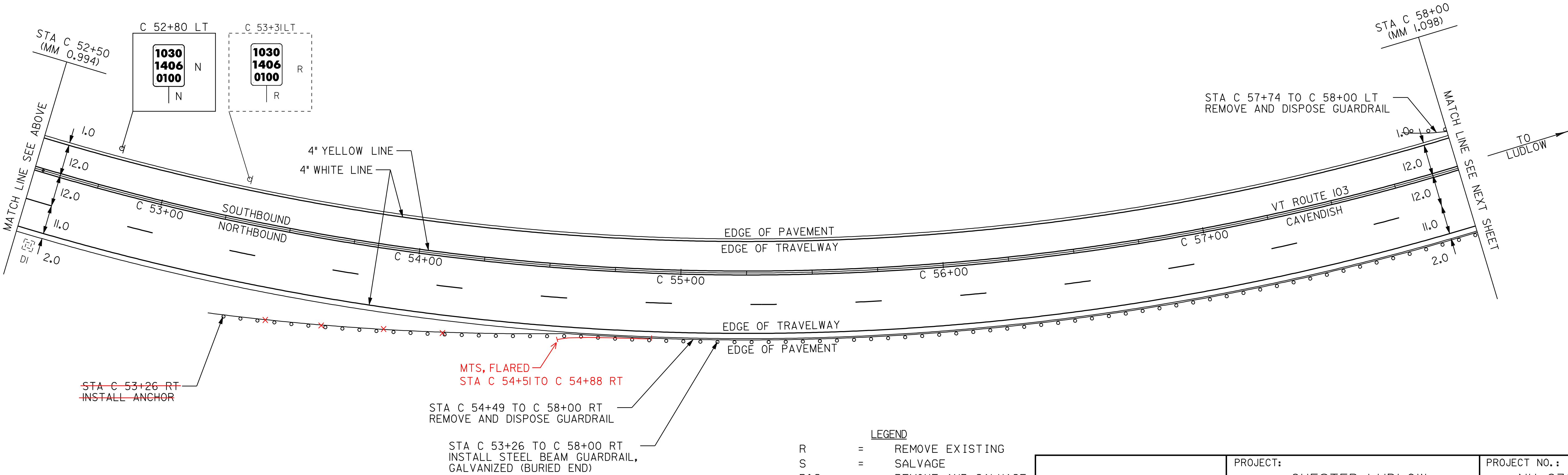
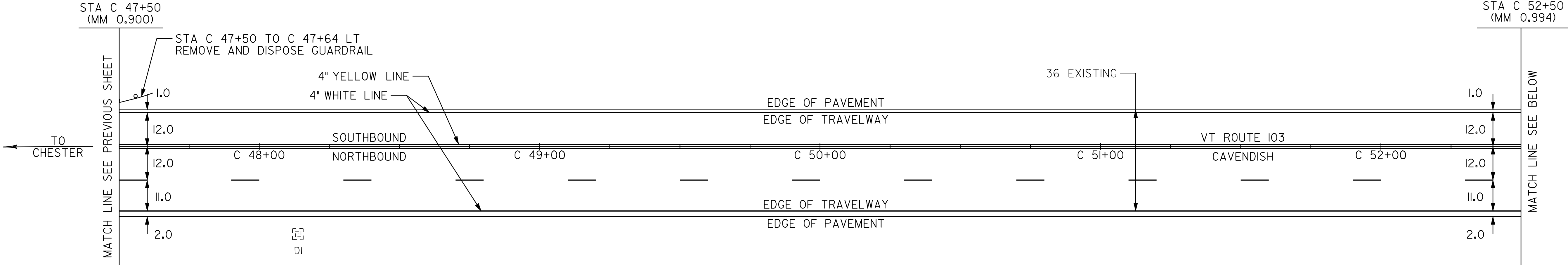
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 47+50 TO C 58+00 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA C 53+26 TO C 58+00 RT
~~ANCHOR FOR STEEL BEAM RAIL~~
~~STA C 53+26 RT~~

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 47+50 TO C 47+64 LT
STA C 54+49 TO C 58+00 RT
STA C 57+74 TO C 58+00 LT

REMOVING SIGNS
AS SHOWN - 1

MANUFACTURED TERMINAL SECTION, FLARED
STA C 54+88.5 RT



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

PAVING
PROJECT
LAYOUT #34

PROJECT:
_CHESTER-LUDLOW

PROJECT NO.:
_NH_2326(I)S_

DESIGN FILE NAME: LDave\01b038\pb038.dgn

IPARM FILE NAME: pb0381a34.i

SURVEYED BY: CLD_ENGINEERS, INC

SQUAD LEADER: CRB

CLD_04-0396

PLOT DATE: 16-OCT-2009 17:

SURVEY DATE: 01/05

DRAWN BY: MRS

SHEET: 48 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 58+00 TO C 68+00 SOLID LT
STA C 58+00 TO C 68+00 SOLID RT
STA C 58+00 TO C 68+00 DASHED RT (LANE)

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 58+00 TO C 68+00 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA C 58+00 TO C 60+01 RT
STA C 58+20 TO C 60+82 LT
STA C 66+31 TO C 68+00 LT

ANCHOR FOR STEEL BEAM RAIL
STA C 60+82 LT
53

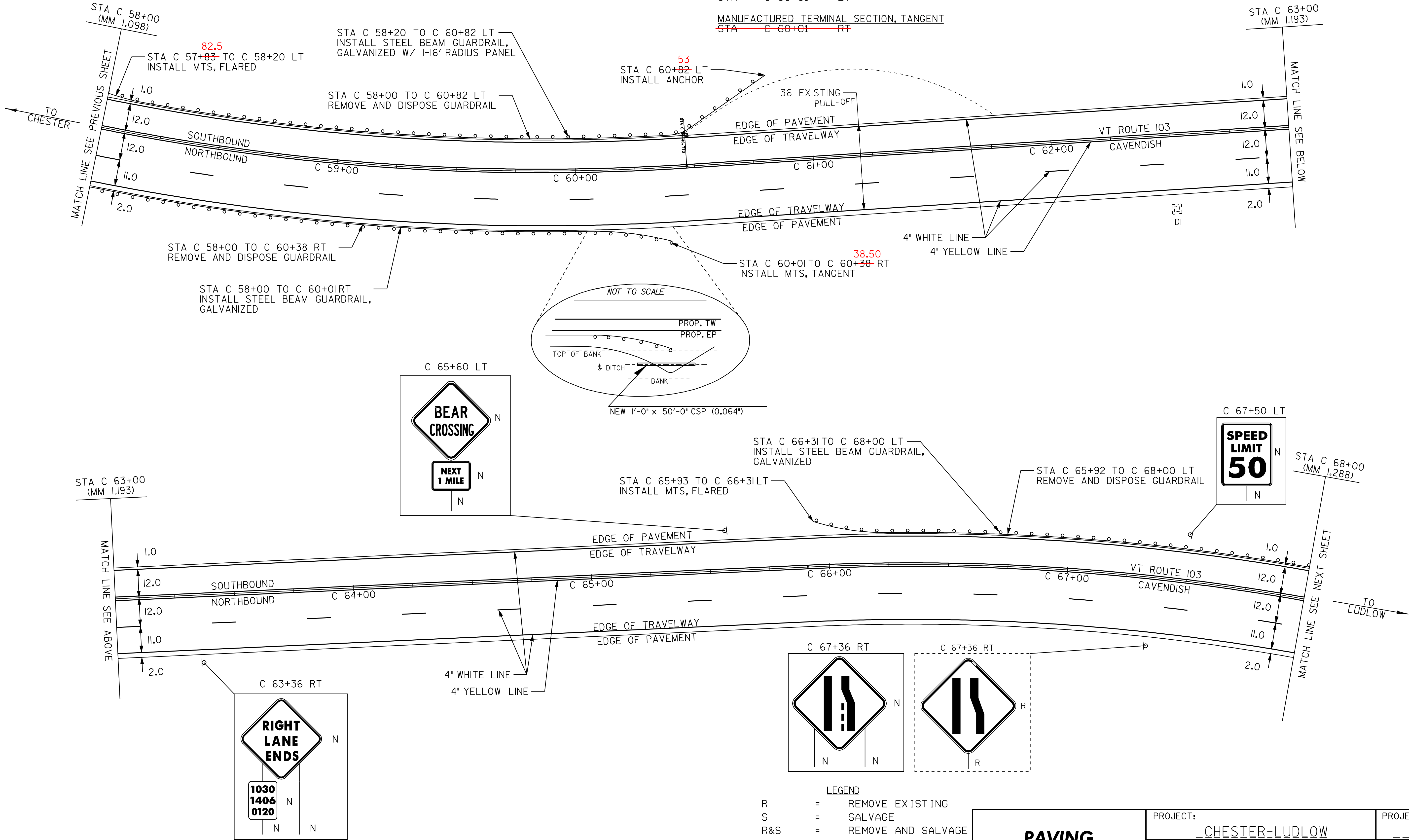
12" CSP .064 (2-2/3 X 1/2)
STA 60+13 TO 60+63 RT (50')

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 58+00 TO C 60+38 RT
STA C 58+00 TO C 60+82 LT
STA C 65+92 TO C 68+00 LT

REMOVING SIGNS
AS SHOWN - 1

MANUFACTURED TERMINAL SECTION, FLARED
STA C 58+20 LT
STA C 66+31 LT
STA C 60+01 RT

~~MANUFACTURED TERMINAL SECTION, TANGENT~~
~~STA C 60+01 RT~~



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

PAVING PROJECT LAYOUT #35	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: Zpave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: pb0381a35.1	SURVEY DATE: 01/05
	SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
	SQUAD LEADER: CRB	SHEET: 49 OF 110
	CLD 04-0396	

TEMPORARY 4" WHITE LINE, PAINT					
DURABLE 4" WHITE LINE, THERMOPLASTIC					
STA	C 68+00	TO	C 69+30	DASHED RT	(LANE)
STA	C 68+00	TO	C 72+36	SOLID LT	
STA	C 68+00	TO	C 79+00	SOLID RT	
STA	C 73+16	TO	C 79+00	SOLID LT	

TEMPORARY 4" YELLOW LINE, PAINT					
DURABLE 4" YELLOW LINE, THERMOPLASTIC					
STA	C 68+00	TO	C 72+56	SOLID LT & RT	
STA	C 72+96	TO	C 79+00	SOLID LT & RT	

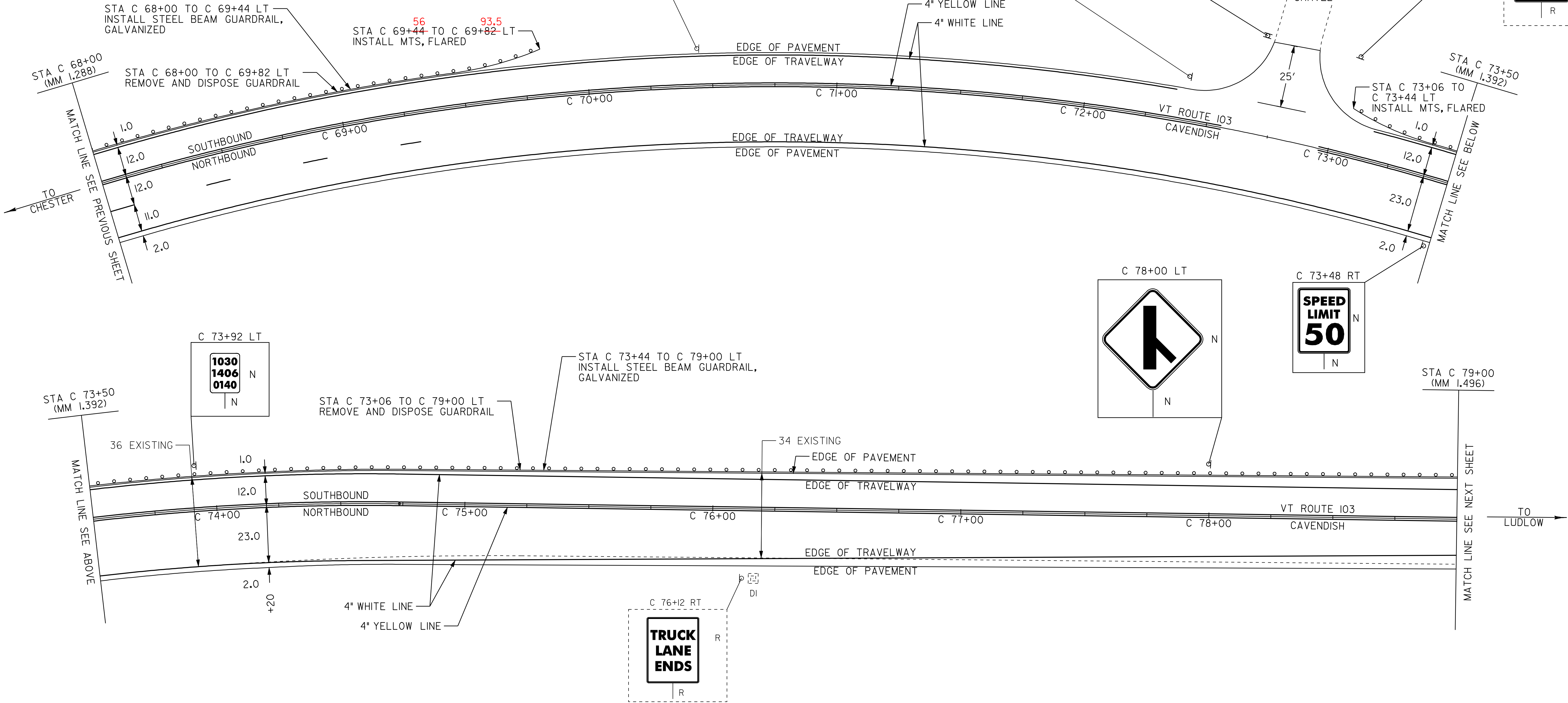
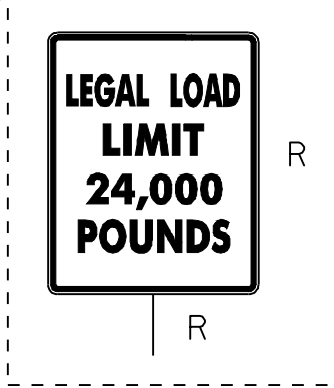
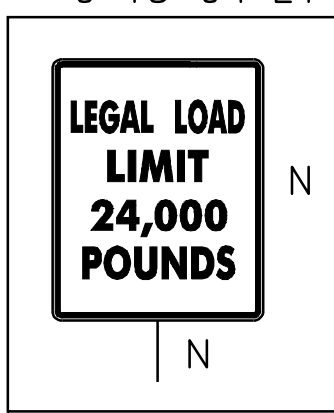
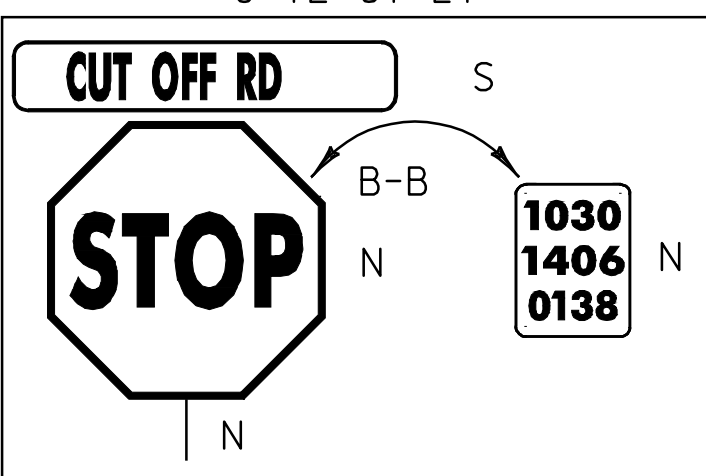
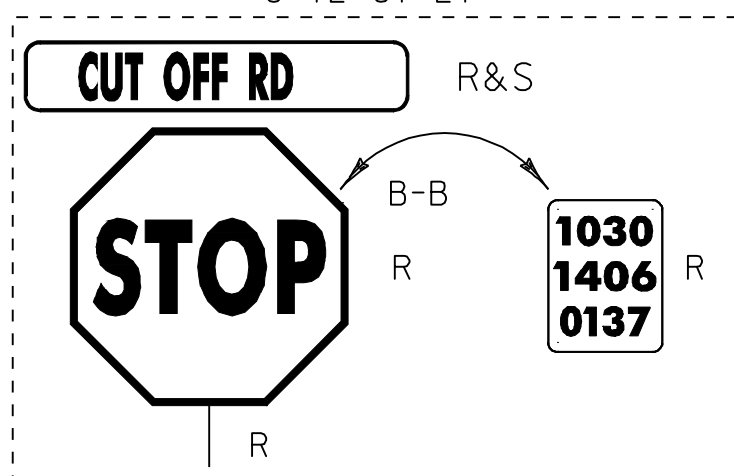
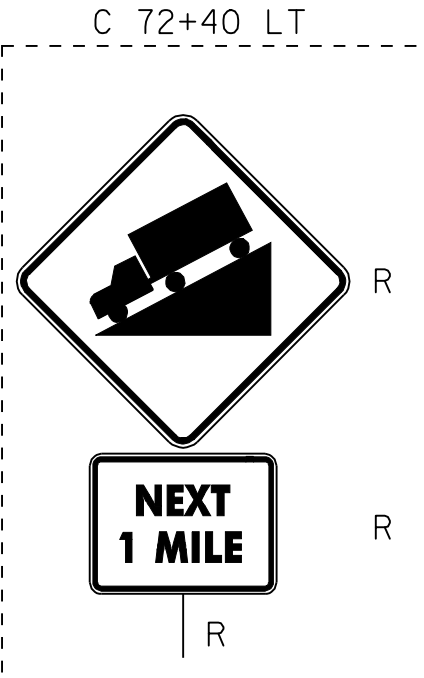
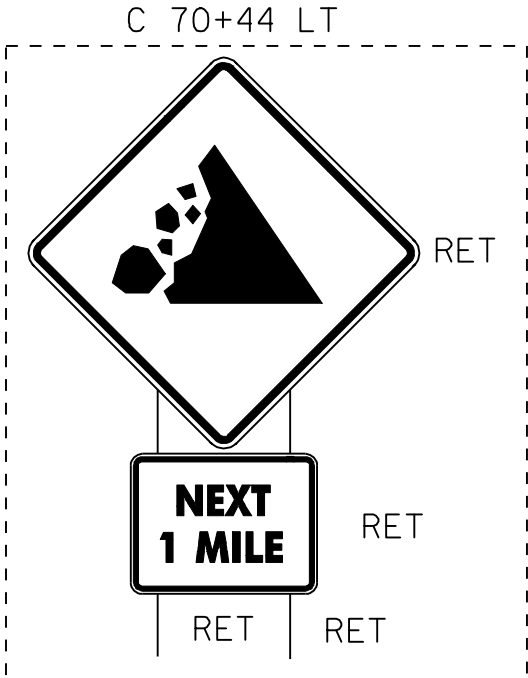
STEEL BEAM GUARDRAIL, GALVANIZED					
STA	C 68+00	TO	C 69+44	LT	
STA	C 73+44	TO	C 79+00	LT	

MANUFACTURED TERMINAL SECTION, FLARED					
STA	C 69+44	TO	C 69+56	LT	
STA	C 73+44	TO	C 73+56	LT	

REMOVAL AND DISPOSAL OF GUARDRAIL					
STA	C 68+00	TO	C 69+82	LT	
STA	C 73+06	TO	C 79+00	LT	

REMOVING SIGNS
AS SHOWN - 7

ERECTING SALVAGED SIGNS
AS SHOWN - 1



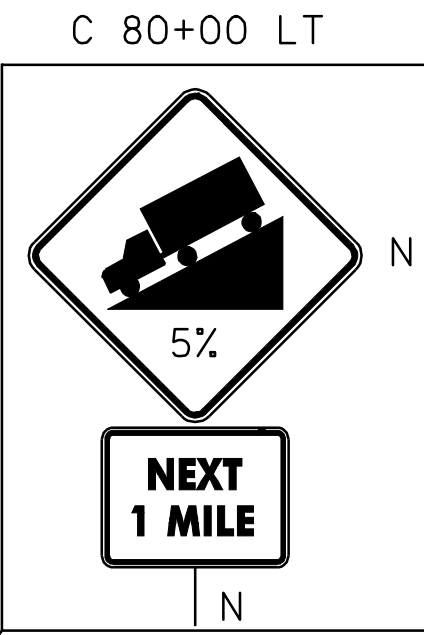
LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE AND SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK
—	= NEW RAIL
—	= EXISTING RAIL

**PAVING
PROJECT
LAYOUT #36**

PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW	__NH_2326(I)S__
DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
IPARM FILE NAME: pb0381a36.i	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	SQUAD LEADER: CRB
DRAWN BY: MRS	SHEET: 50 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 79+00 TO C 90+00 SOL ID LT
STA C 79+00 TO C 90+00 SOL ID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 79+00 TO C 81+00 SOL ID LT & RT
STA C 81+00 TO C 87+65 SOL ID LT, DASHED RT
STA C 87+65 TO C 90+00 DASHED



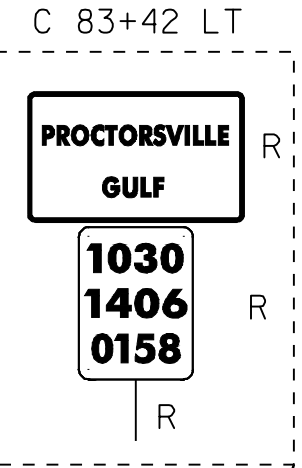
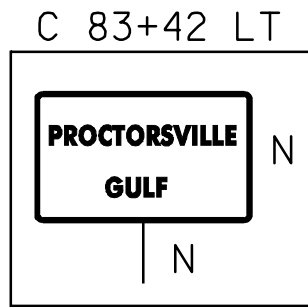
STEEL BEAM GUARDRAIL, GALVANIZED
STA C 79+00 TO C 83+44 LT
STA C 87+10 TO C 90+00 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 83+44 LT
STA C 87+10 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 79+00 TO C 83+76 LT
STA C 86+74 TO C 90+00 LT

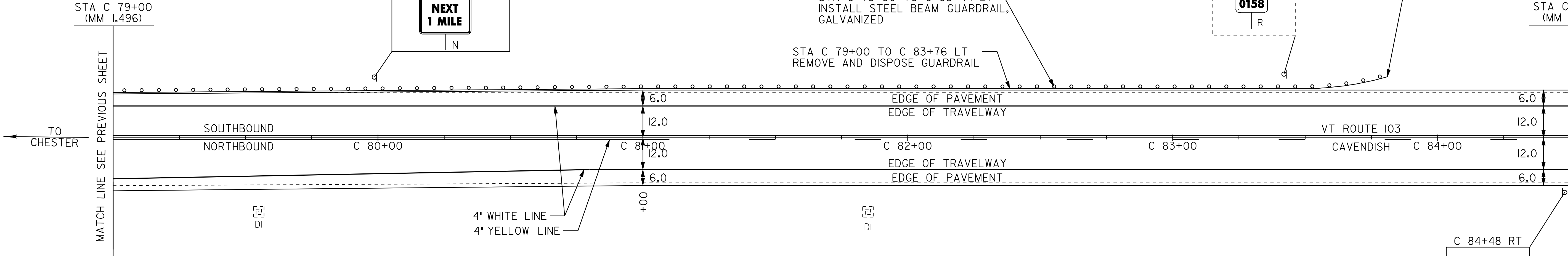
REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 1



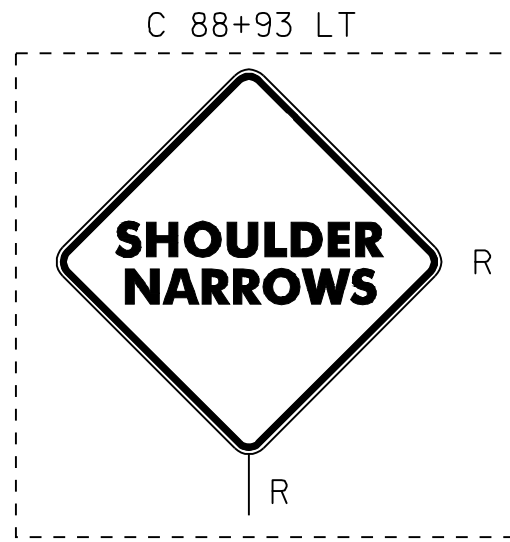
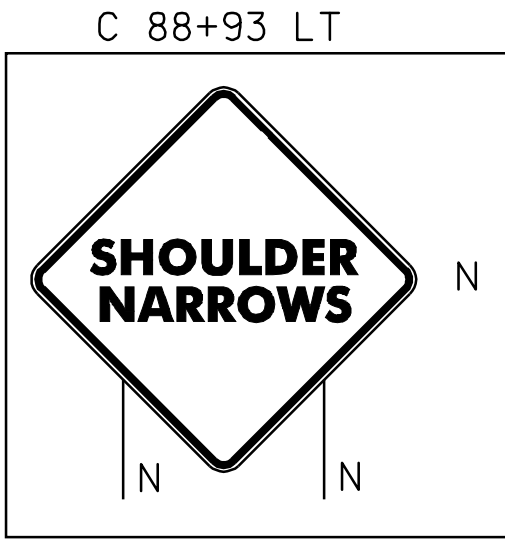
STA C 83+44 TO C 83+81 LT
INSTALL MTS, FLARED

STA C 84+50
(MM 1.600)



STA C 84+50
(MM 1.600)

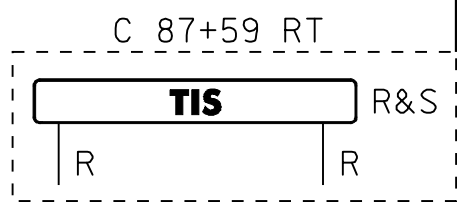
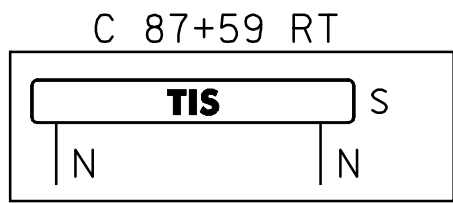
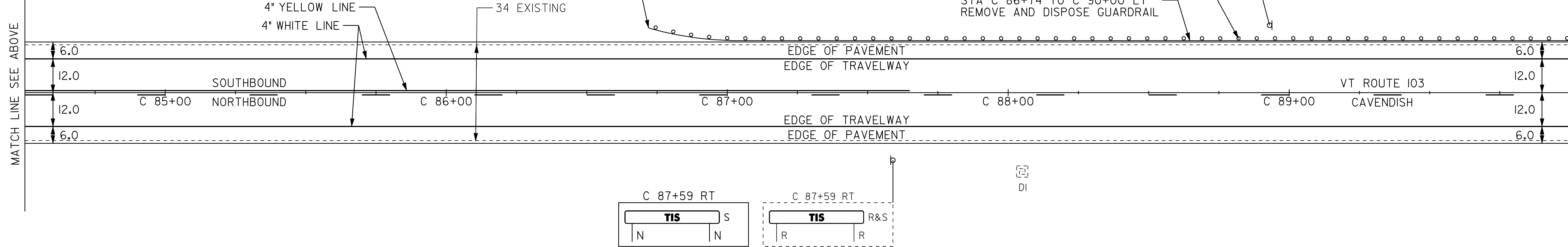
STA C 86+73 TO C 87+10 LT
INSTALL MTS, FLARED



STA C 87+10 TO C 90+00 LT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

STA C 86+74 TO C 90+00 LT
REMOVE AND DISPOSE GUARDRAIL

STA C 90+00
(MM 1.705)



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

**PAVING
PROJECT
LAYOUT #37**

PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW	__NH_2326(I)S__
DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
IPARM FILE NAME: pb0381a37.i	SURVEY DATE: 01/05
SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	SHEET: 51 OF 110
CLD_04-0396	

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 90+00 TO C 101+00 SOLID LT
STA C 90+00 TO C 101+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 90+00 TO C 91+90 DASHED
STA C 91+90 TO C 99+30 DASHED LT, SOLID RT
STA C 99+30 TO C 101+00 SOLID LT & RT

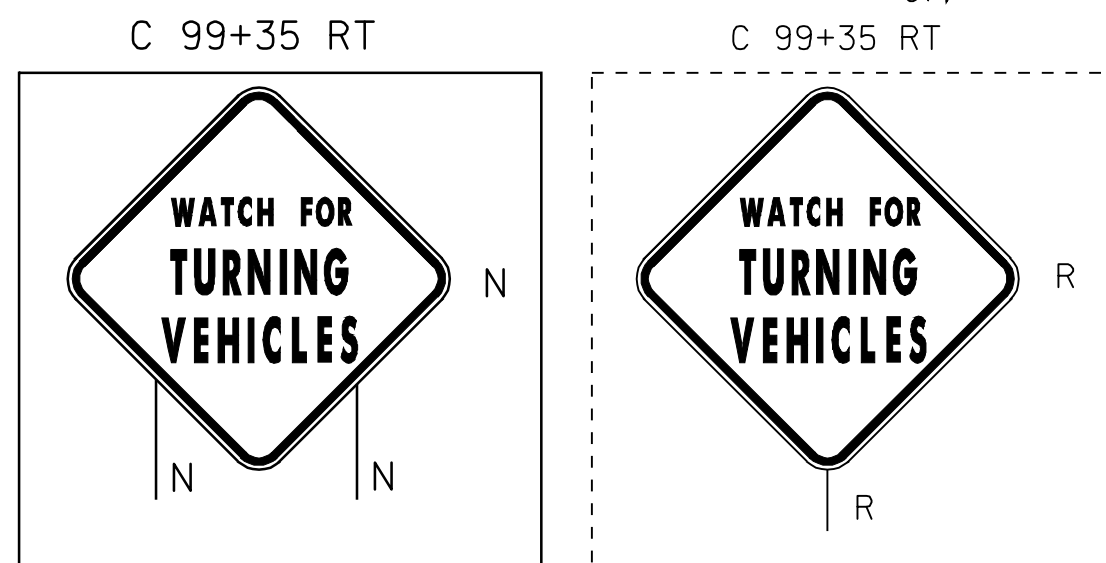
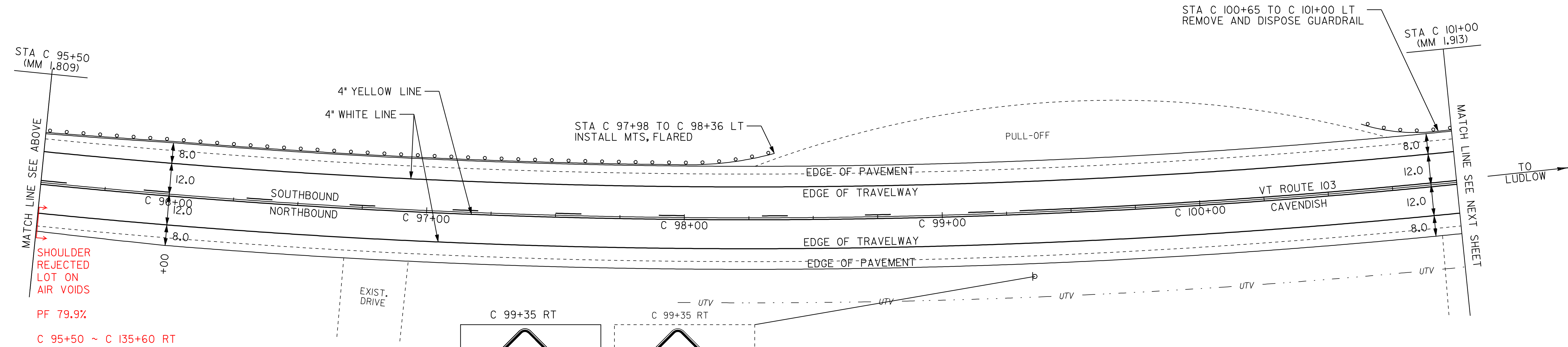
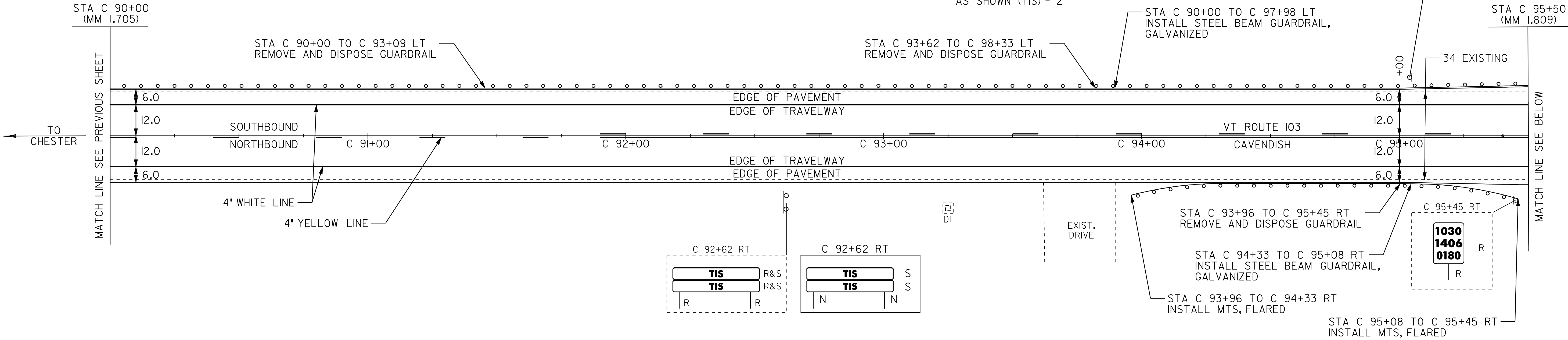
STEEL BEAM GUARDRAIL, GALVANIZED
STA C 90+00 TO C 97+98 LT
STA C 94+33 TO C 95+08 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 94+33 RT
STA C 95+08 RT
STA C 97+98 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 90+00 TO C 93+09 LT
STA C 93+62 TO C 98+33 LT
STA C 93+96 TO C 95+45 RT
STA C 100+65 TO C 101+00 LT

REMOVING SIGNS
AS SHOWN - 4

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 2



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

**PAVING
PROJECT
LAYOUT #38**

PROJECT:	<u>CHESTER-LUDLOW</u>	PROJECT NO.:	<u>NH 2326(I)S</u>
DESIGN FILE NAME:	<u>Z:\pave\01b\038\pb038.dgn</u>	PLOT DATE:	<u>16-OCT-2009 17:</u>
IPARM FILE NAME:	<u>pb0381a38.i</u>	SURVEY DATE:	<u>01/05</u>
SURVEYED BY:	<u>CLD_ENGINEERS, INC</u>	SQUAD LEADER:	<u>CRB</u>
DRAWN BY:	<u>MRS</u>	SHEET:	<u>52 OF 110</u>

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 101+00 TO C 106+50 SOLID LT
STA C 101+00 TO C 106+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 101+00 TO C 106+50 SOLID LT & RT

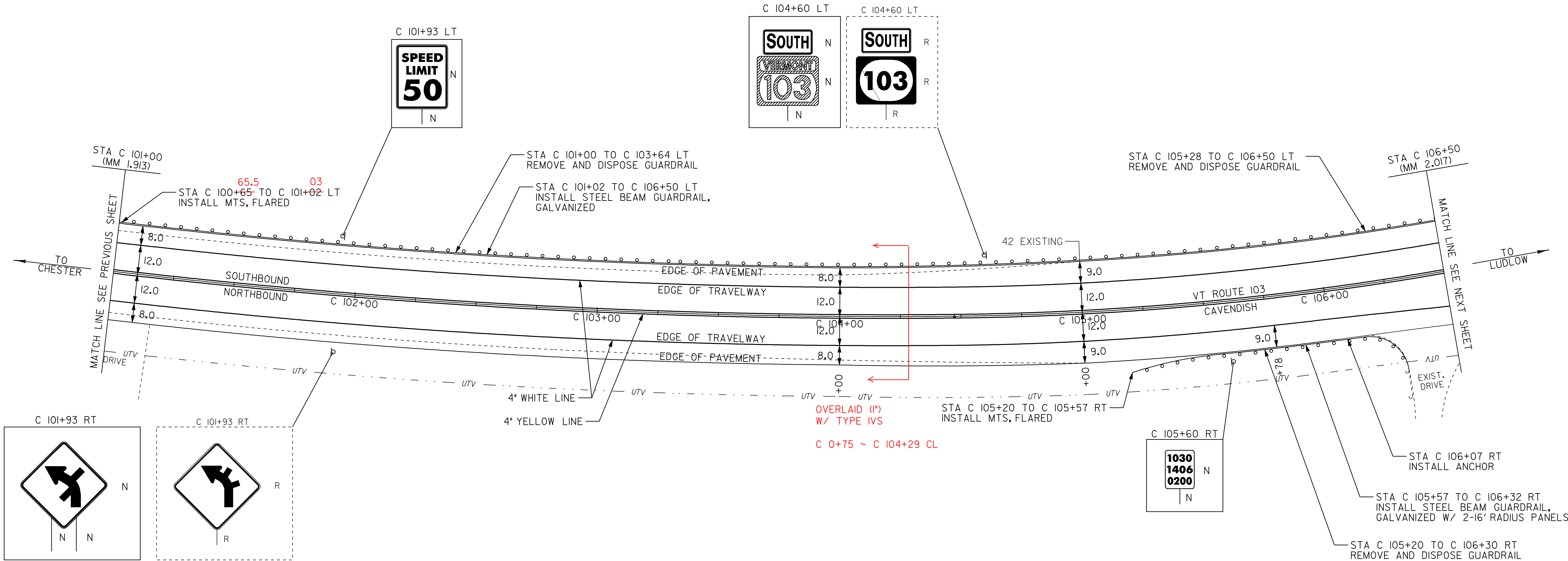
STEEL BEAM GUARDRAIL, GALVANIZED
STA C 101+02.03 TO C 106+50 LT
STA C 105+57 TO C 106+32 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 101+02.03 LT
STA C 105+57 RT

ANCHOR FOR STEEL BEAM RAIL
STA C 106+07 RT

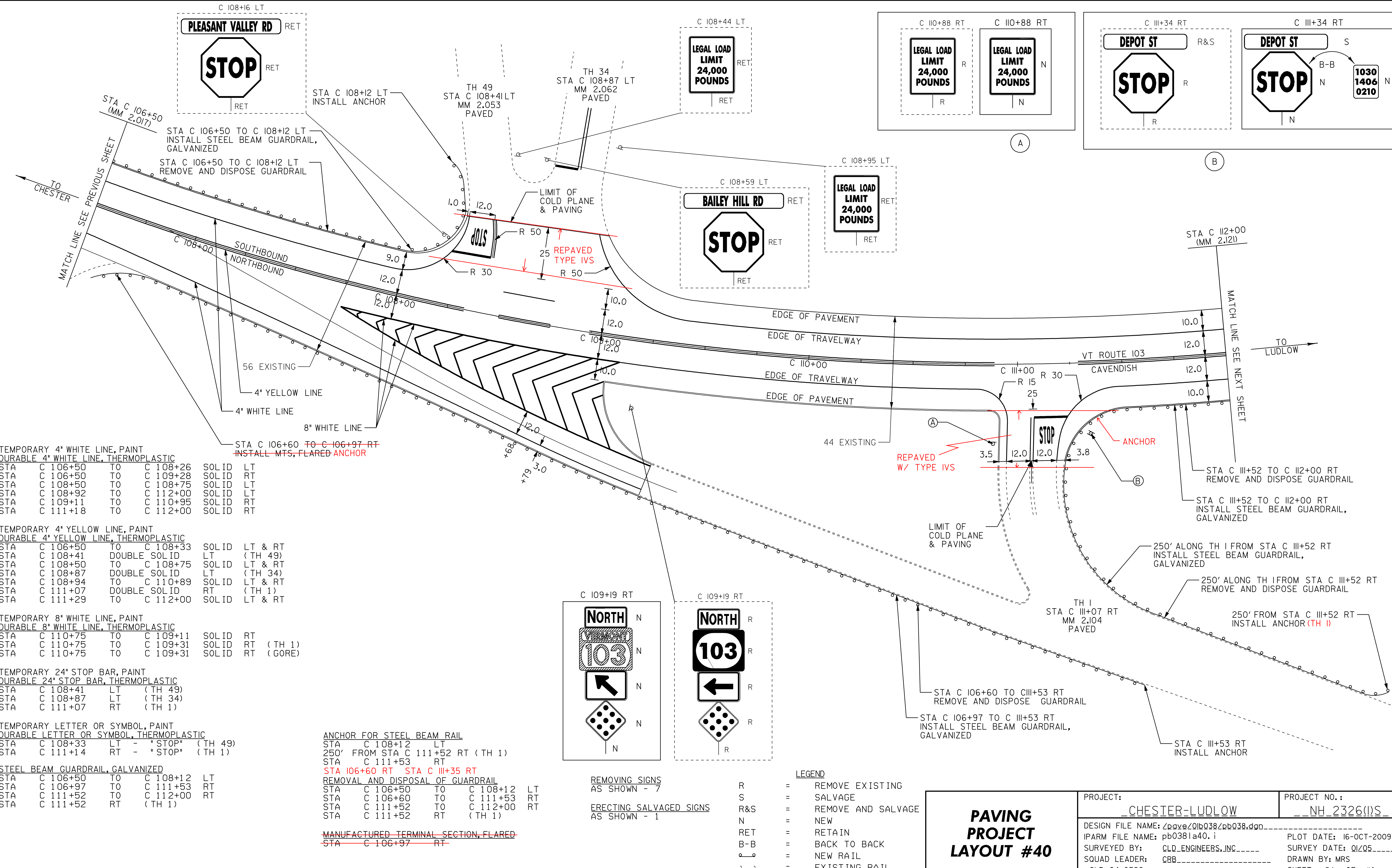
REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 101+00 TO C 103+64 LT
STA C 105+20 TO C 106+30 RT
STA C 105+28 TO C 106+50 LT

REMOVING SIGNS
AS SHOWN - 3



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

PAVING PROJECT LAYOUT #39	PROJECT: <u>CHESTER-LUDLOW</u>	PROJECT NO.: <u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>z:\pave\01b\038\pb038.dgn</u>	
	IPARM FILE NAME: <u>pb0381a39.i</u>	PLOT DATE: <u>16-OCT-2009 17:</u>
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	SURVEY DATE: <u>01/05</u>
	SQUAD LEADER: <u>CRB</u>	DRAWN BY: <u>MRS</u>
<u>CLD 04-0396</u>		SHEET: <u>53</u> OF <u>110</u>



TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC

STA	C 106+50	TO	C 108+26	SOLID	LT
STA	C 106+50	TO	C 109+28	SOLID	RT
STA	C 108+50	TO	C 108+75	SOLID	LT
STA	C 108+92	TO	C 112+00	SOLID	LT
STA	C 109+11	TO	C 110+95	SOLID	RT
STA	C 111+18	TO	C 112+00	SOLID	RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA	C 106+50	TO	C 108+33	SOLID	LT & RT
STA	C 108+41	DOUBLE SOLID	LT	(TH 49)	
STA	C 108+50	TO	C 108+75	SOLID	LT & RT
STA	C 108+87	DOUBLE SOLID	LT	(TH 34)	
STA	C 108+94	TO	C 110+89	SOLID	LT & RT
STA	C 111+07	DOUBLE SOLID	RT	(TH 1)	
STA	C 111+29	TO	C 112+00	SOLID	LT & RT

TEMPORARY 8" WHITE LINE, PAINT
DURABLE 8" WHITE LINE, THERMOPLASTIC

STA	C 110+75	TO	C 109+11	SOLID	RT
STA	C 110+75	TO	C 109+31	SOLID	RT (TH 1)
STA	C 110+75	TO	C 109+31	SOLID	RT (GORE)

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC

STA	C 108+41	LT	(TH 49)
STA	C 108+87	LT	(TH 34)
STA	C 111+07	RT	(TH 1)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC

STA	C 108+33	LT	- "STOP" (TH 49)
STA	C 111+14	RT	- "STOP" (TH 1)

STEEL BEAM GUARDRAIL, GALVANIZED

STA	C 106+50	TO	C 108+12	LT
STA	C 106+97	TO	C 111+53	RT
STA	C 111+52	TO	C 112+00	RT
STA	C 111+52	RT	(TH 1)	

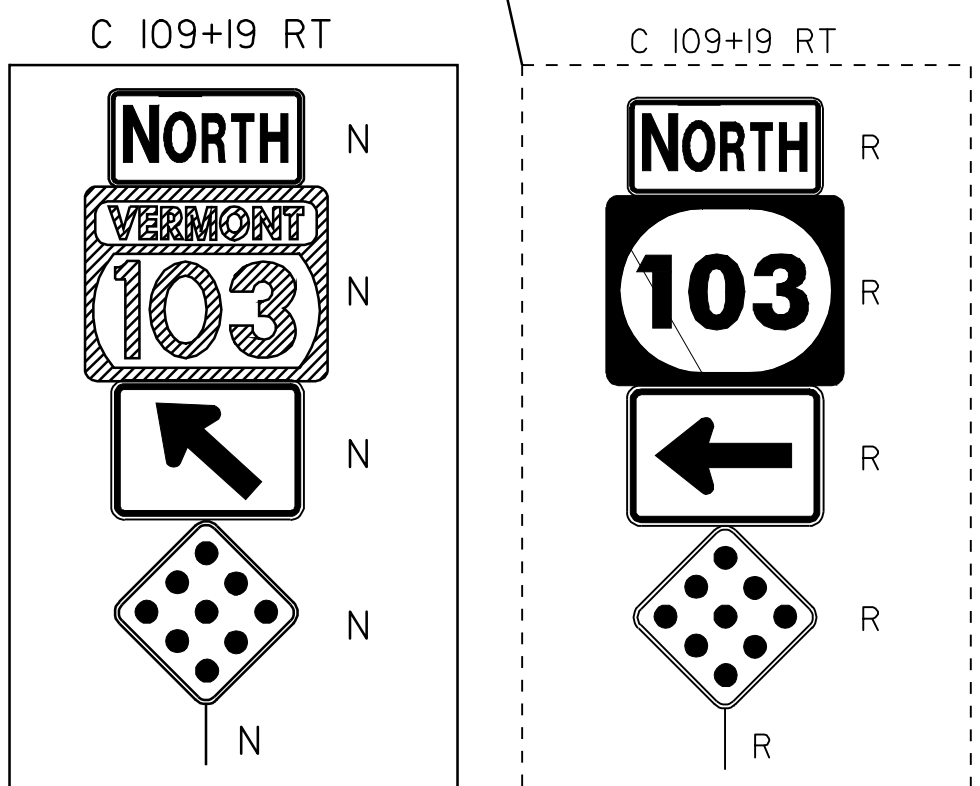
ANCHOR FOR STEEL BEAM RAIL

STA	C 108+12	LT
250' FROM STA C 111+52 RT (TH 1)		
STA	C 111+53	RT
STA 106+60 RT	STA C 111+35 RT	

REMOVAL AND DISPOSAL OF GUARDRAIL

STA	C 106+50	TO	C 108+12	LT
STA	C 106+60	TO	C 111+53	RT
STA	C 111+52	TO	C 112+00	RT
STA	C 111+52	RT	(TH 1)	

~~MANUFACTURED TERMINAL SECTION, FLARED~~
~~STA C 106+97 RT~~



REMOVING SIGNS
AS SHOWN - 7

ERECTING SALVAGED SIGNS
AS SHOWN - 1

LEGEND

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

PAVING PROJECT LAYOUT #40

PROJECT: <u>CHESTER-LUDLOW</u>	PROJECT NO.: <u>NH 2326(I)S</u>
DESIGN FILE NAME: <u>LDave\QlbQ38\pbQ38.dgn</u>	PLOT DATE: <u>16-OCT-2009 17:</u>
IPARM FILE NAME: <u>pb0381a40.1</u>	SURVEY DATE: <u>Q1205</u>
SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	DRAWN BY: <u>MRS</u>
SQUAD LEADER: <u>CRB</u>	SHEET: <u>54 OF 110</u>
<u>CLD 04-0396</u>	

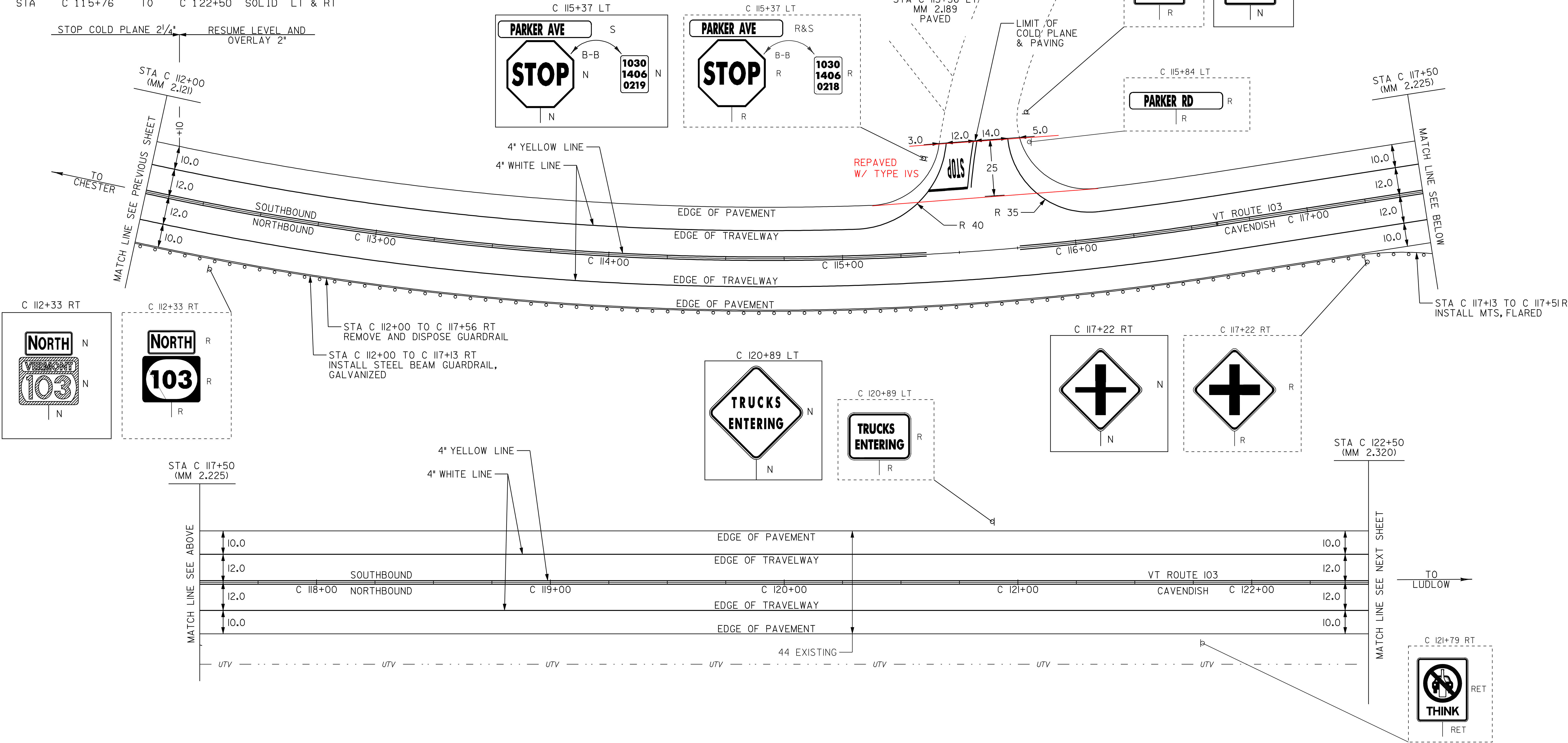
TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 112+00 TO C 115+47 SOLID LT
STA C 112+00 TO C 122+50 SOLID RT
STA C 115+75 TO C 122+50 SOLID LT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 112+00 TO C 115+36 SOLID LT & RT
STA C 115+56 DOUBLE SOLID LT (TH 60)
STA C 115+76 TO C 122+50 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA C 115+56 LT (TH 60)
TEMPORARY LETTERS OR SYMBOLS, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA C 115+51 LT - "STOP" (TH 60)

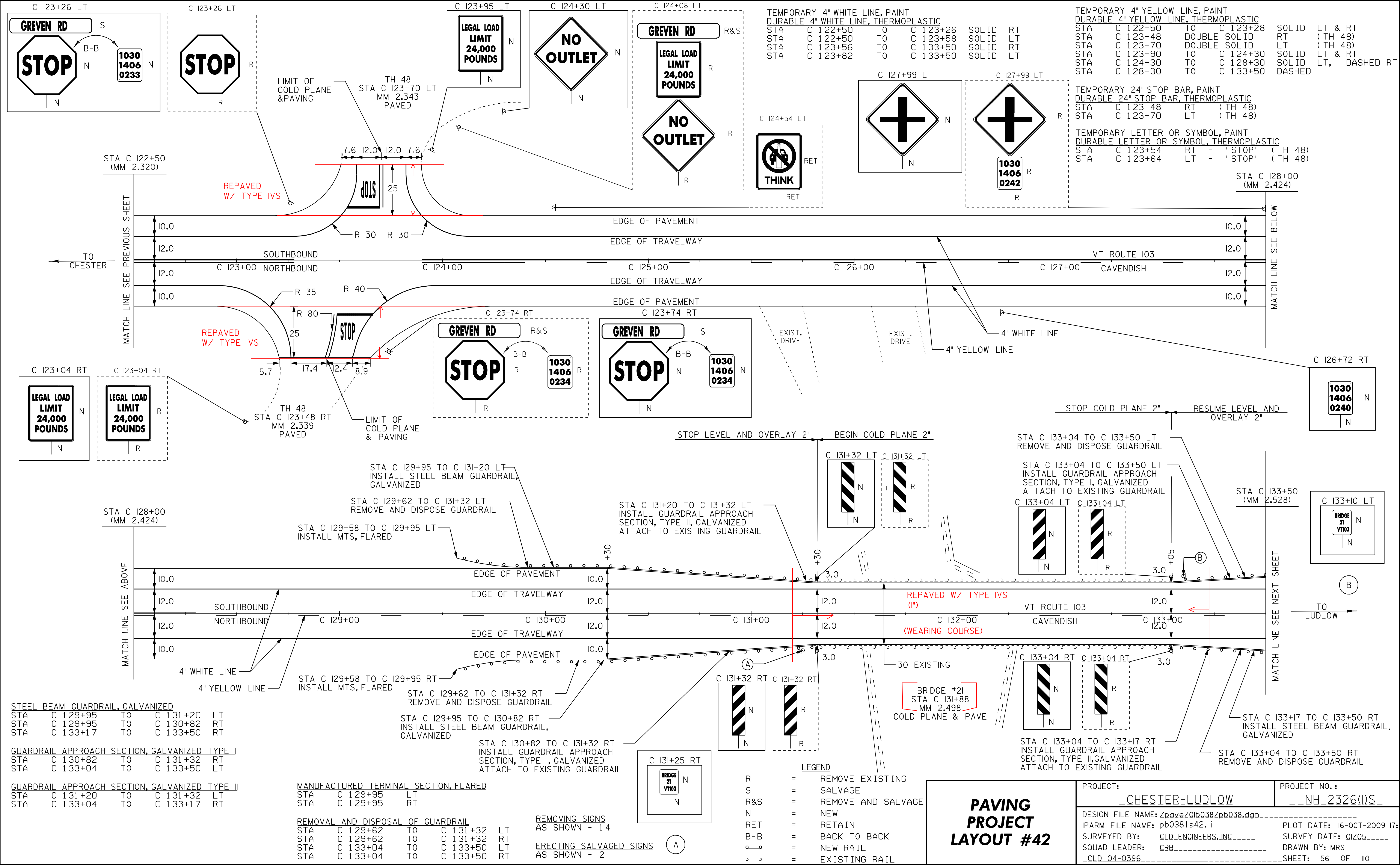
STEEL BEAM GUARDRAIL, GALVANIZED
STA C 112+00 TO C 117+13 RT
MANUFACTURED TERMINAL SECTION, FLARED
STA C 117+13 RT
REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 112+00 TO C 117+56 RT

REMOVING SIGNS
AS SHOWN - 9
ERECTING SALVAGED SIGNS
AS SHOWN - 1



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

PAVING PROJECT LAYOUT #41	PROJECT:	PROJECT NO.:
	<u>CHESTER-LUDLOW</u>	<u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>zpage\01b038\pb038.dgn</u>	PLOT DATE: <u>16-OCT-2009 17:</u>
	IPARM FILE NAME: <u>pb0381a41.i</u>	SURVEY DATE: <u>01/05</u>
	SQUAD LEADER: <u>CRB</u>	DRAWN BY: <u>MRS</u>
	<u>CLD 04-0396</u>	SHEET: <u>55</u> OF <u>110</u>



STA C 133+50 TO C 133+54 LT
INSTALL GUARDRAIL APPROACH
SECTION, TYPE I, GALVANIZED

STA C 133+54 TO C 134+42 LT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

STA C 133+50 TO C 134+75 LT
REMOVE AND DISPOSE GUARDRAIL

STA C 134+42 TO C 134+80 LT
INSTALL MTS, FLARED

STA C 133+50
(MM 2.528)

MATCH LINE SEE PREVIOUS SHEET

TO
CHESTER

SOUTHBOUND
NORTHBOUND

C 134+00 C 135+00

EDGE OF PAVEMENT

EDGE OF TRAVELWAY

EDGE OF TRAVELWAY

EDGE OF PAVEMENT

SHOULDER
REJECTED LOT ON
AIR VOIDS

F P79.9%

4" WHITE LINE

C 135+60 RT

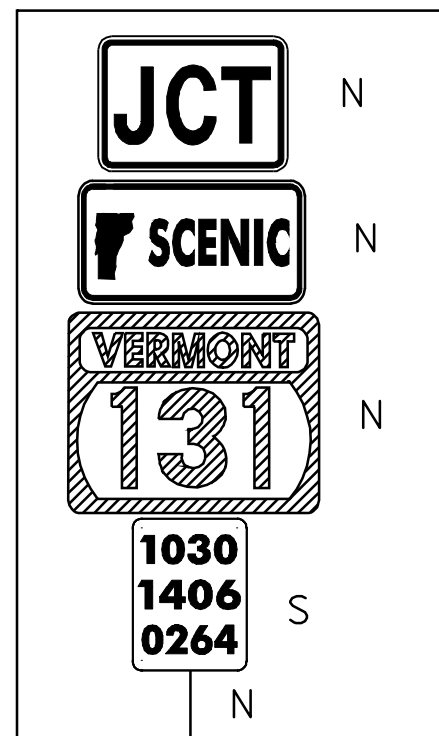
4" YELLOW LINE

STA C 134+42 TO C 134+80 RT
INSTALL MTS, FLARED

STA C 133+50 TO C 134+75 RT
REMOVE AND DISPOSE GUARDRAIL

STA C 133+50 TO C 134+42 RT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

C 139+30 RT



STA C 138+50
(MM 2.623)

MATCH LINE SEE ABOVE

4" YELLOW LINE

4" WHITE LINE

SOUTHBOUND
NORTHBOUND

C 139+00 C 140+00

EDGE OF PAVEMENT

EDGE OF TRAVELWAY

EDGE OF TRAVELWAY

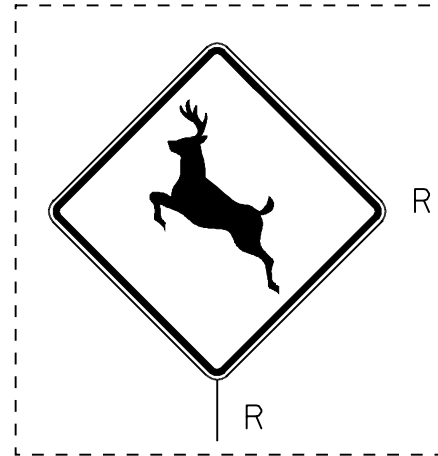
EDGE OF PAVEMENT

STA C 140+06 TO C 140+43 RT
INSTALL MTS, FLARED

STA C 140+08 TO C 141+80 RT
REMOVE AND DISPOSE GUARDRAIL

STA C 140+43 TO C 141+30 RT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

C 141+09 LT



STA C 142+02 TO C 142+14 LT
INSTALL GUARDRAIL APPROACH
SECTION, TYPE II, GALVANIZED
ATTACH TO EXISTING GUARDRAIL

STA C 141+39 TO C 142+02 LT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

STA C 140+97 TO C 142+14 LT
REMOVE AND DISPOSE GUARDRAIL

STA C 141+02 TO C 141+39 LT
INSTALL MTS, FLARED

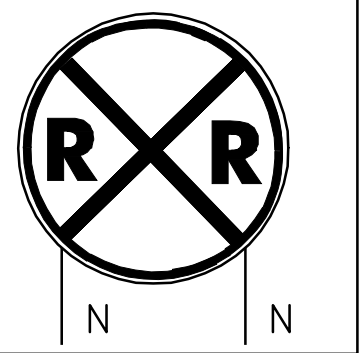
EDGE OF PAVEMENT

EDGE OF TRAVELWAY

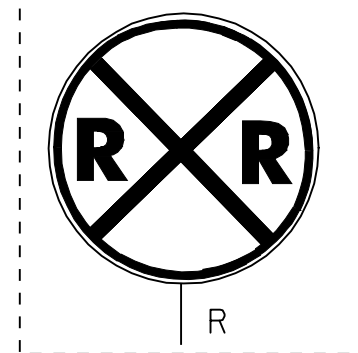
EDGE OF TRAVELWAY

EDGE OF PAVEMENT

C 141+52 RT



C 141+52 RT



STA C 141+30 TO C 141+80 RT
INSTALL GUARDRAIL APPROACH
SECTION, TYPE I, GALVANIZED
ATTACH TO EXISTING GUARDRAIL

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC

STA C 133+50 TO C 143+50 SOLID LT
STA C 133+50 TO C 143+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA C 133+50 TO C 134+10 DASHED LT,
STA C 134+10 TO C 140+40 DASHED LT, SOLID RT
STA C 140+40 TO C 143+50 SOLID LT & RT

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT
DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC

STA C 141+52 RT

REMOVING SIGNS
AS SHOWN - 9

ERECTING SALVAGED SIGNS
AS SHOWN - 1

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 2

STA C 138+50
(MM 2.623)

MATCH LINE SEE BELOW

VT ROUTE 103

CAVENDISH

C 138+00

STOP LEVEL AND
OVERLAY 2"

COLD PLANE 1"

COLD PLANE 1"

RESUME LEVEL AND
OVERLAY 2"

STA C 142+74 TO C 143+50 LT
REMOVE AND DISPOSE GUARDRAIL

STA C 143+24 TO C 143+50 LT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

STA C 143+50
(MM 2.718)

BRIDGE #21A
STA C 142+02
MM 2.690

COLD PLANE & PAVE

+57

VT ROUTE 103
CAVENDISH

C 143+00

MATCH LINE SEE NEXT SHEET

TO
LUDLOW

STA 143+40 TO 143+50 RT
INSTALL MTS, FLARED

STA C 142+53 TO C 143+40 RT
INSTALL STEEL BEAM GUARDRAIL,
GALVANIZED

STA C 142+40 TO C 143+50 RT
REMOVE AND DISPOSE GUARDRAIL

STEEL BEAM GUARDRAIL, GALVANIZED

STA C 133+50	TO	C 134+42	RT
STA C 133+54	TO	C 134+42	LT
STA C 140+43	TO	C 141+30	RT
STA C 141+39-27	TO	C 142+02	LT
STA C 142+53	TO	C 143+40	RT
STA C 143+24	TO	C 143+50	LT

GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I

STA C 133+50	TO	C 133+54	LT
STA C 141+30	TO	C 141+80	RT
STA C 142+74	TO	C 143+24	LT

GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II

STA C 142+02	TO	C 142+14	LT
STA C 142+40	TO	C 142+53	RT

MANUFACTURED TERMINAL SECTION, FLARED

STA C 134+42	LT	C 133+54
STA C 134+42	RT	
STA C 140+43	RT	
STA C 141+39-27	LT	
STA C 143+40	RT	

REMOVAL AND DISPOSAL OF GUARDRAIL

STA C 133+50	TO	C 134+75	LT
STA C 133+50	TO	C 134+75	RT
STA C 140+08	TO	C 141+80	RT
STA C 140+97	TO	C 142+14	LT
STA C 142+40	TO	C 143+50	RT
STA C 142+74	TO	C 143+50	LT

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

LEGEND

PAVING
PROJECT
LAYOUT #43

PROJECT:

_CHESTER-LUDLOW

PROJECT NO.:

_NH_2326(I)S_

DESIGN FILE NAME: \pave\01b038\pb038.dgn

IPARM FILE NAME: pb0381a43.1

SURVEYED BY: CLD_ENGINEERS, INC

SQUAD LEADER: CRB

_CLD_04-0396

PLOT DATE: 16-OCT-2009 17:

SURVEY DATE: 01/05

DRAWN BY: MRS

SHEET: 57 OF 107

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 143+50 TO C 148+50 SOLID LT
STA C 143+50 TO C 148+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 143+50 TO C 148+50 SOLID LT & RT

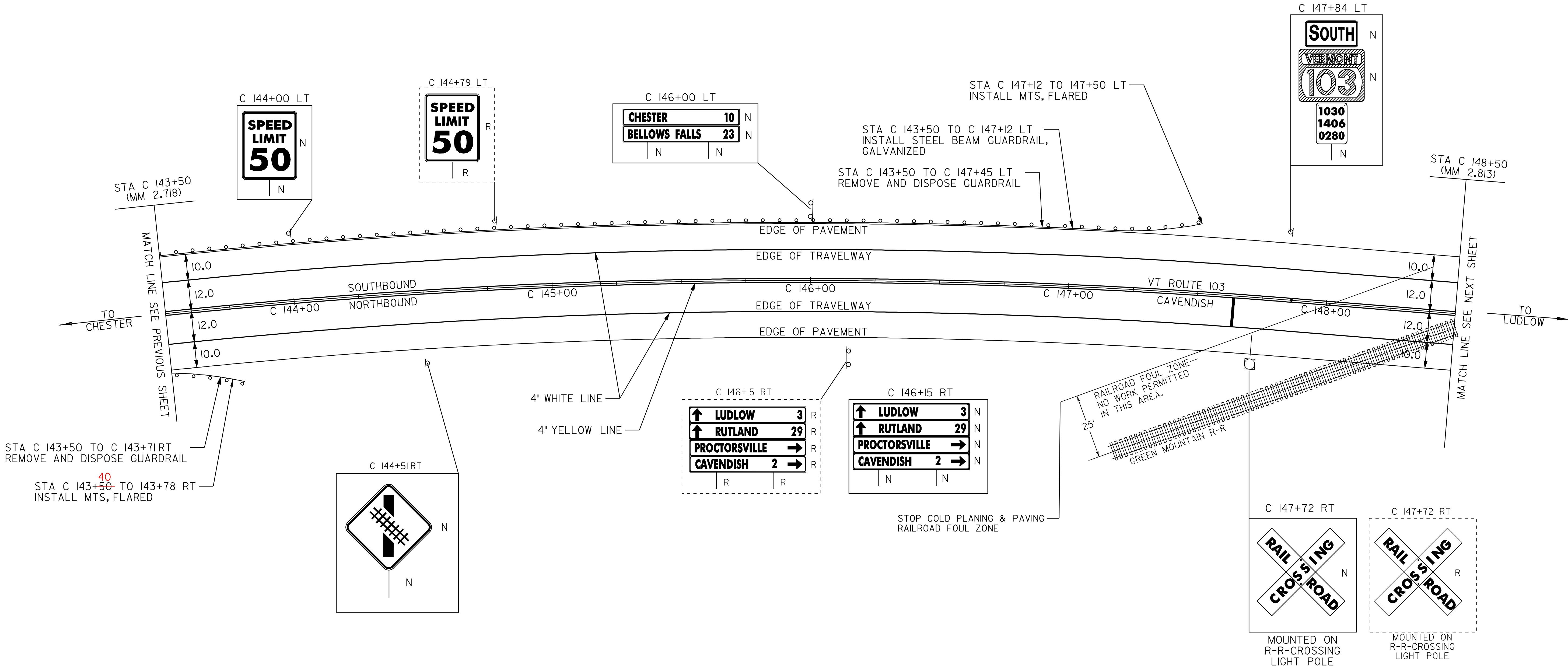
STEEL BEAM GUARDRAIL, GALVANIZED
STA C 143+50 TO C 147+12 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 147+12 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 143+50 TO C 143+71 RT
STA C 143+50 TO C 147+45 LT

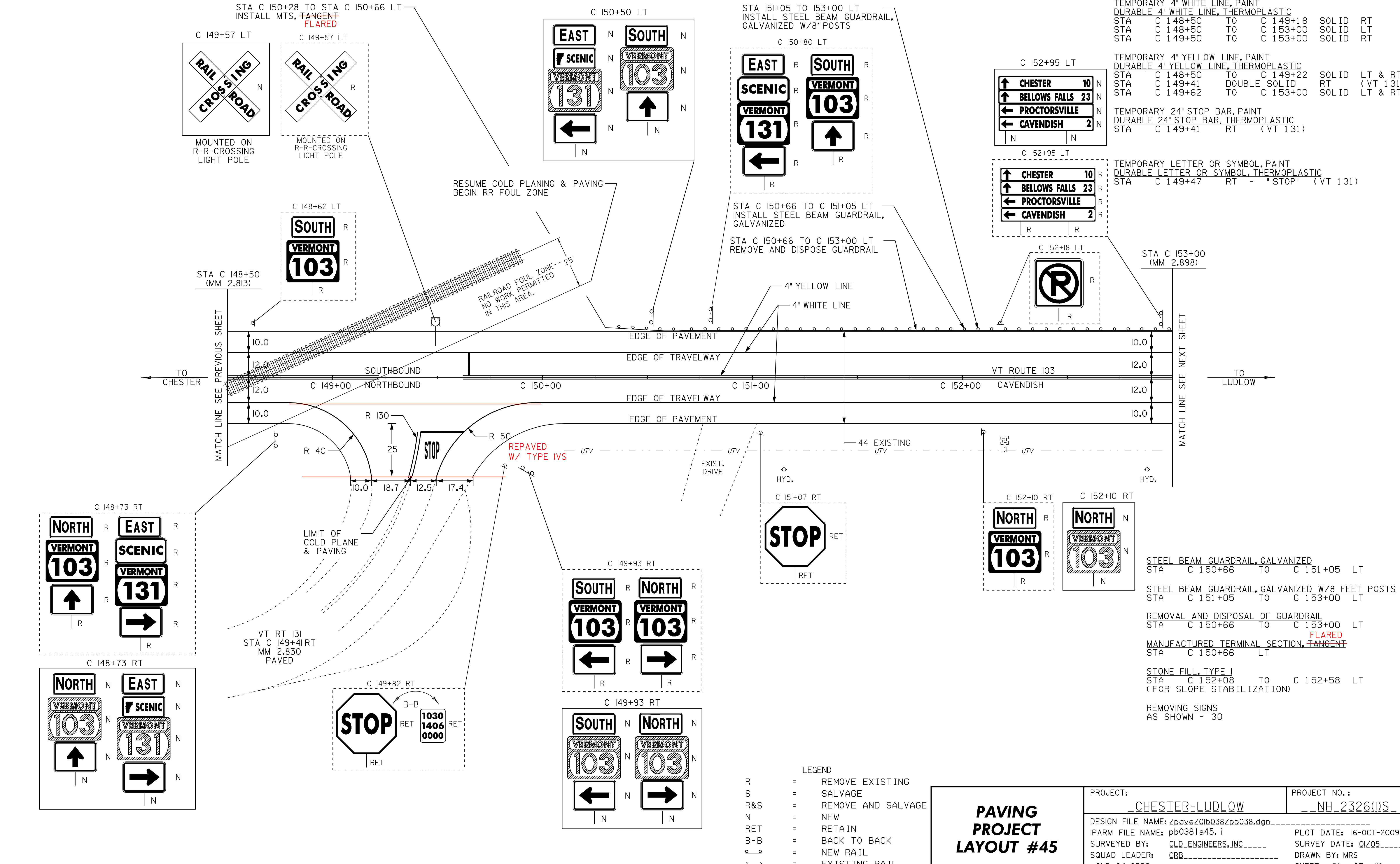
REMOVING SIGNS
AS SHOWN - 6

TEMPORARY & DURABLE 24" STOP BAR
STA C 147+64 RT



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

PAVING PROJECT LAYOUT #44	PROJECT:	PROJECT NO.:
	_CHESTER-LUDLOW	_NH_2326(I)S_
	DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: pb0381a44.i	SURVEY DATE: 01/05
	SQUAD LEADER: CLD_ENGINEERS, INC	DRAWN BY: MRS
	SQUAD LEADER: CRB	DRAWN BY: MRS
	_CLD_04-0396	SHEET: 58 OF 110



TEMPORARY 4" WHITE LINE, PAINT					
DURABLE 4" WHITE LINE, THERMOPLASTIC					
STA	C 148+50	TO	C 149+18	SOLID	RT
STA	C 148+50	TO	C 153+00	SOLID	LT
STA	C 149+50	TO	C 153+00	SOLID	RT

TEMPORARY 4" YELLOW LINE, PAINT					
DURABLE 4" YELLOW LINE, THERMOPLASTIC					
STA	C 148+50	TO	C 149+22	SOLID	LT & RT
STA	C 149+41	DOUBLE SOLID	RT		(VT 131)
STA	C 149+62	TO	C 153+00	SOLID	LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA C 149+41 RT (VT 131)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA C 149+47 RT - "STOP" (VT 131)

STA C 153+00
(MM 2.898)

MATCH LINE SEE NEXT SHEET

TO LUDLOW

STEEL BEAM GUARDRAIL, GALVANIZED
STA C 150+66 TO C 151+05 LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA C 151+05 TO C 153+00 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 150+66 TO C 153+00 LT

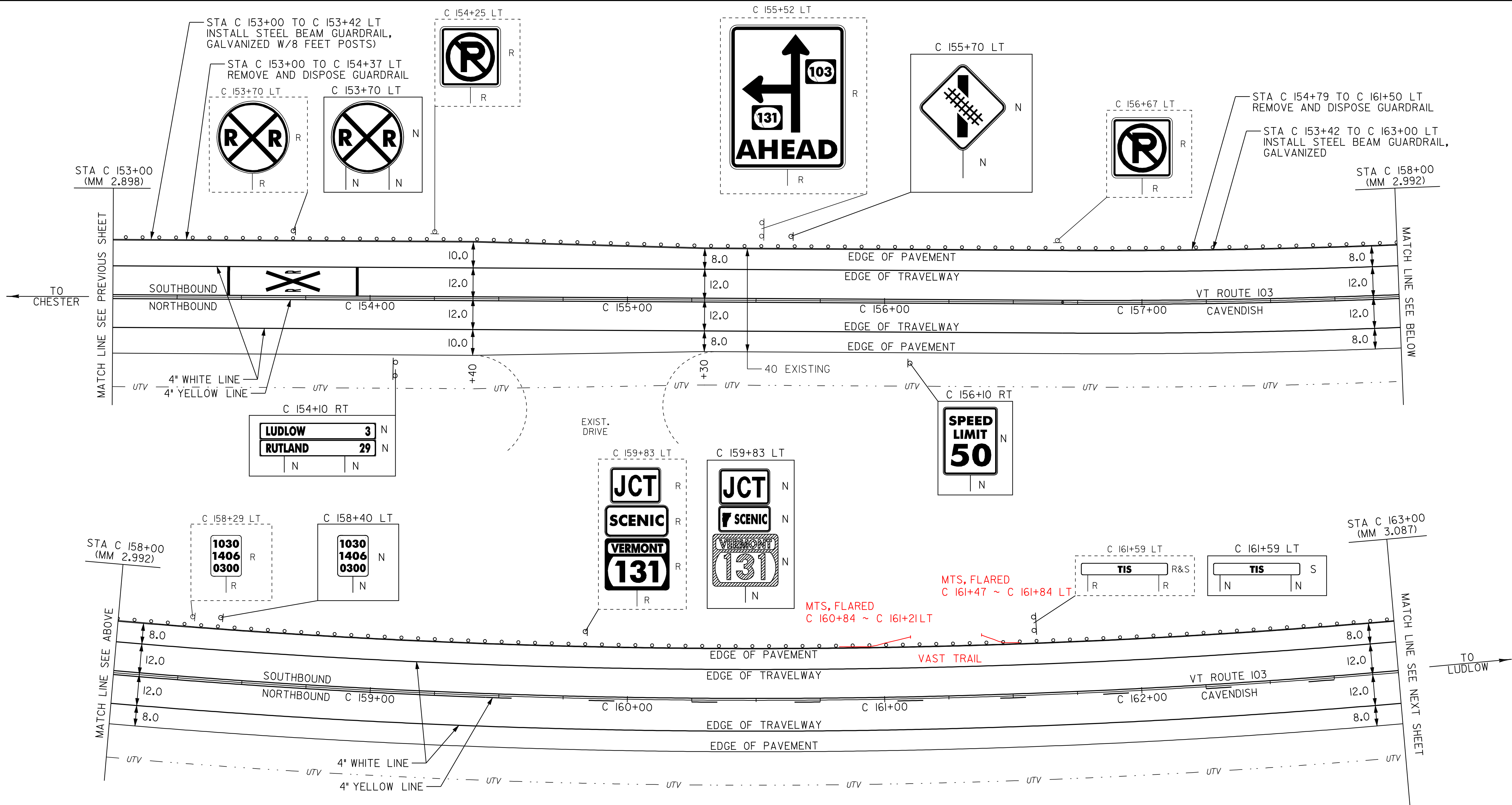
MANUFACTURED TERMINAL SECTION, ~~TANGENT~~ **FLARED**
STA C 150+66 LT

STONE FILL, TYPE I
STA C 152+08 TO C 152+58 LT
(FOR SLOPE STABILIZATION)

REMOVING SIGNS
AS SHOWN - 30

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

PAVING PROJECT LAYOUT #45	PROJECT:	PROJECT NO.:
	<u>CHESTER-LUDLOW</u>	<u>NH 2326(I)S</u>
	DESIGN FILE NAME: <u>LDave\QlbQ38\pbQ38.dgn</u>	PLOT DATE: <u>16-OCT-2009 17:</u>
	IPARM FILE NAME: <u>pb0381a45.i</u>	SURVEY DATE: <u>Q1205</u>
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	DRAWN BY: <u>MRS</u>
	SQUAD LEADER: <u>CRB</u>	SHEET: 59 OF 110
	<u>CLD 04-0396</u>	



TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 153+00 TO C 163+00 SOLID LT
STA C 153+00 TO C 163+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 153+00 TO C 159+45 SOLID LT & RT
STA C 159+45 TO C 163+00 SOLID LT, DASHED RT

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT
DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC
STA C 153+70 LT

TEMPORARY AND DURABLE 24" STOP BAR
STEEL BEAM RAIL GALVANIZED
STA C 153+45 TO C 163+00 LT
STA C 153+35 TO C 163+00 LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA C 153+00 TO C 153+42 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA C 153+00 TO C 154+37 LT
STA C 154+79 TO C 161+50 LT

REMOVING SIGNS
AS SHOWN - 9

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 1

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

**PAVING
PROJECT
LAYOUT #46**

PROJECT:	<u>CHESTER-LUDLOW</u>	PROJECT NO.:	<u>NH_2326(I)S</u>
DESIGN FILE NAME:	<u>zpage\01b038\pb038.dgn</u>		
IPARM FILE NAME:	<u>pb0381a46.i</u>	PLOT DATE:	<u>16-OCT-2009 17:</u>
SURVEYED BY:	<u>CLD_ENGINEERS, INC</u>	SURVEY DATE:	<u>01/05</u>
SQUAD LEADER:	<u>CRB</u>	DRAWN BY:	<u>MRS</u>
<u>CLD_04-0396</u>	SHEET: 60 OF 110		

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 163+00 TO C 173+50 SOLID LT
STA C 163+00 TO C 173+50 SOLID RT

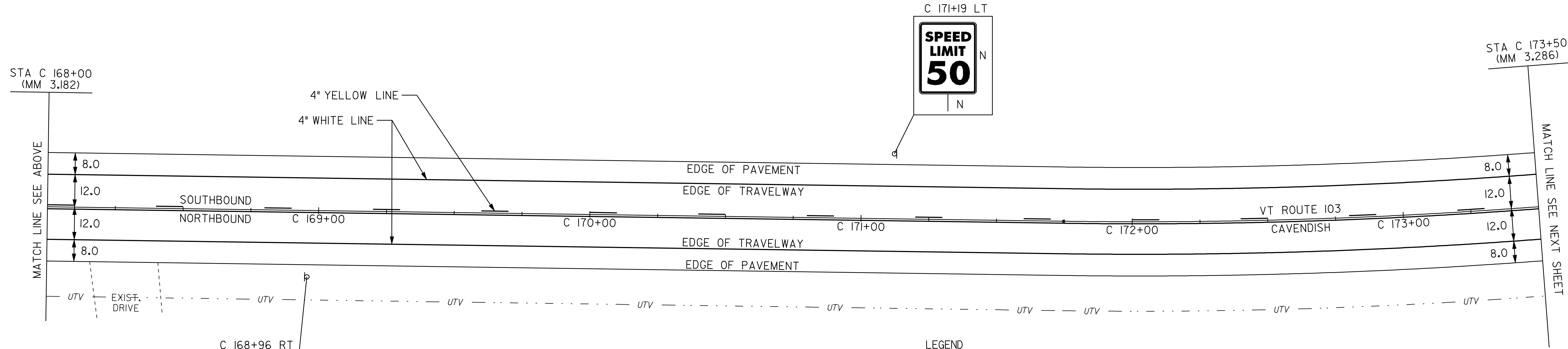
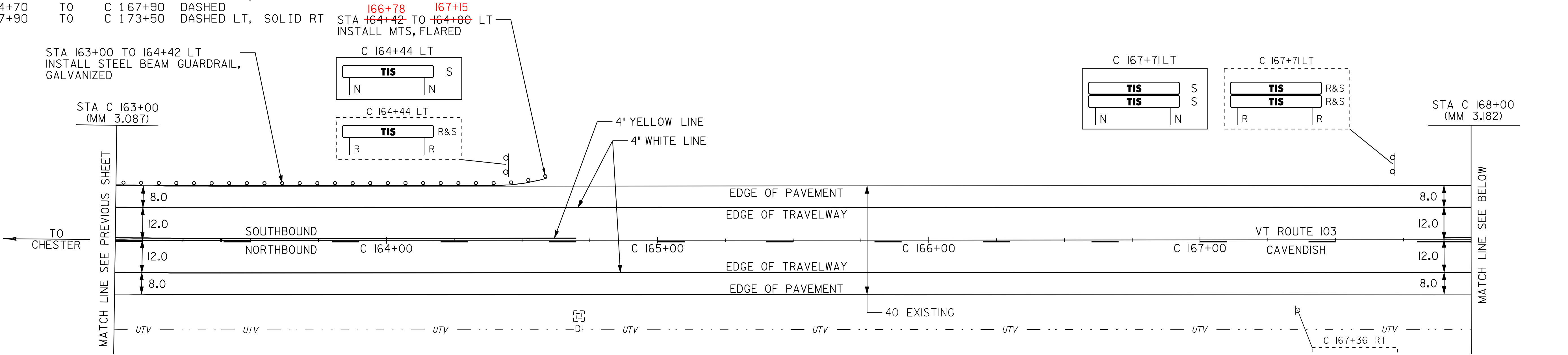
TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 163+00 TO C 164+70 SOLID LT, DASHED RT
STA C 164+70 TO C 167+90 DASHED
STA C 167+90 TO C 173+50 DASHED LT, SOLID RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA C 163+00 TO C 164+42 SOLID LT

MANUFACTURED TERMINAL SECTION, FLARED
STA C 164+42 TO C 166+78 LT

REMOVING SIGNS
AS SHOWN - 4

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 3



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

PAVING PROJECT LAYOUT #47	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(I)S__
	DESIGN FILE NAME: /pave/Qlb038/pb038.dgn	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: pb0381a47.i	SURVEY DATE: 01/05/
	SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
	SQUAD LEADER: CRB	SHEET: 61 OF 110
	CLD 04-0396	

C 174+33 LT

WINERY RD

S

N

1030
1406
0330

N

C 174+33 LT

STOP

R

R

TH 45

STA C 174+53 LT

MM 3.305

PAVED

TEMPORARY 4" WHITE LINE, PAINT

DURABLE 4" WHITE LINE, THERMOPLASTIC

STA C 173+50 TO C 174+42

SOLID LT

STA C 173+50 TO C 184+50

SOLID RT

STA C 174+64 TO C 184+50

SOLID LT

TEMPORARY 4" YELLOW LINE, PAINT

DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA C 173+50 TO C 173+95

DASHED LT, SOLID RT

STA C 173+95 TO C 174+33

SOLID LT & RT

STA C 174+53 TO C 174+53

LT (TH 45)

STA C 174+73 TO C 179+50

SOLID LT & RT

STA C 179+50 TO C 184+50

SOLID LT, DASHED RT

TEMPORARY 24" STOP BAR, PAINT

DURABLE 24" STOP BAR, THERMOPLASTIC

STA C 174+53 LT (TH 45)

REMOVING SIGNS

AS SHOWN - 4

ERECTING SALVAGED SIGNS

AS SHOWN - 1

REMOVAL AND DISPOSAL OF GUARDRAIL

STA C 174+66 TO C 182+13 LT

ANCHOR FOR STEEL BEAM RAIL

174+96 LT

Diagram showing road layout with stationing from C 173+50 to C 179+00. Key features include: Winery Rd intersection with a 'STOP' sign; 'LIMIT OF COLD PLANE & PAVING' note; 'REPAVED W/ TYPE IVS' area; 'ANCHOR' point; 'LEGAL LOAD AS FOR STATE HIGHWAYS' sign; 'REMOVE AND DISPOSE 150' (5 PANELS) OF GUARDRAIL ON TH45'; 'STA C 174+66 TO C 182+13 LT REMOVE AND DISPOSE GUARDRAIL'; 'STA C 174+66 TO C 182+00 LT INSTALL STEEL BEAM GUARDRAIL, GALVANIZED ATTACH TO EXISTING GUARDRAIL TH 45'; '40 EXISTING' road width; 'VT ROUTE 103 CAVENDISH' crossing; 'TO CHESTER' and 'TO LUDLOW' directions; 'MATCH LINE SEE PREVIOUS SHEET' and 'MATCH LINE SEE BELOW'.

Diagram showing road layout continuation from station C 179+00 to C 184+50. Key features include: '1030 1406 0340' signs; 'STA C 182+00 TO C 182+37 LT INSTALL MTS, FLARED' note; 'VT ROUTE 103 CAVENDISH' crossing; 'EXIST. DRIVE' area; 'MATCH LINE SEE ABOVE' and 'MATCH LINE SEE NEXT SHEET'.

LEGEND

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

PAVING
PROJECT
LAYOUT #48

PROJECT: CHESTER-LUDLOW

PROJECT NO.: NH 2326(I)S

DESIGN FILE NAME: Zpave\Qlb038\pb038.dgn

IPARM FILE NAME: pb0381a48.i

SURVEYED BY: CLD_ENGINEERS, INC

SQUAD LEADER: CRB

CLD 04-0396

DATE: 16-OCT-2009 17:05

SURVEY DATE: 01/05

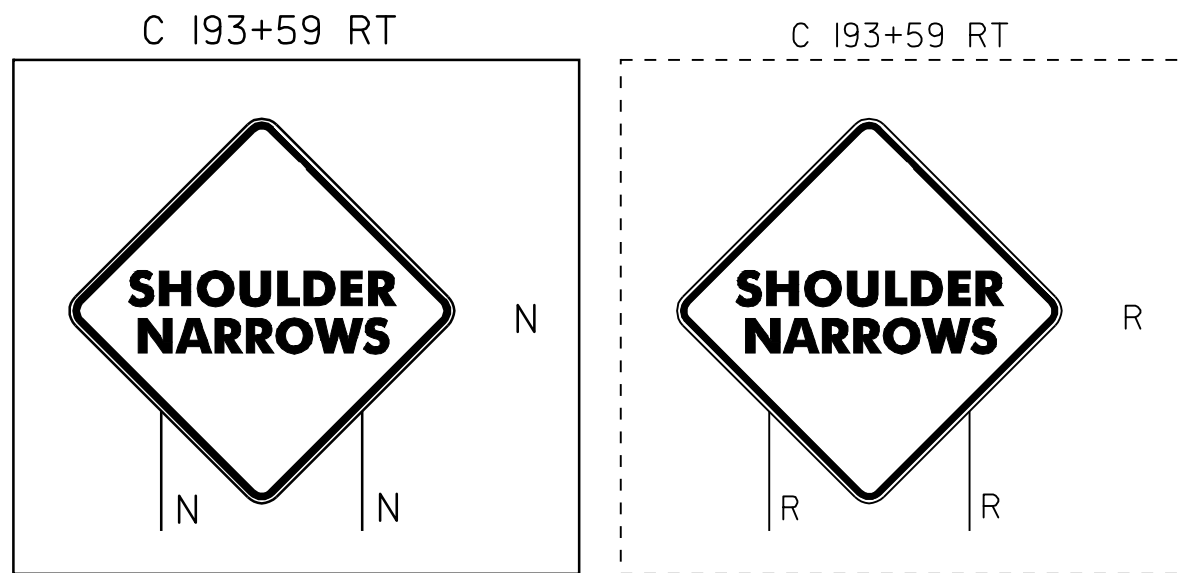
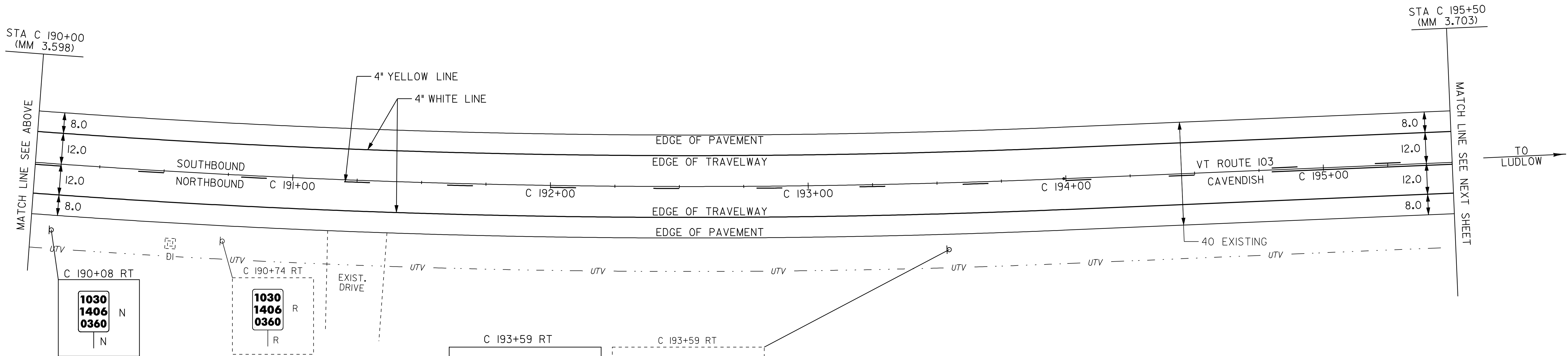
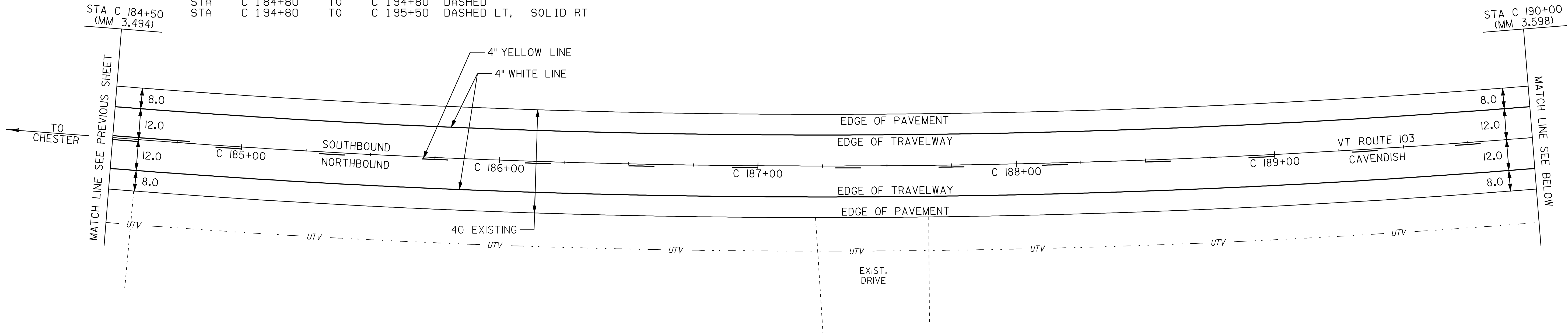
DRAWN BY: MRS

SHEET: 62 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 184+50 TO C 195+50 SOLID LT
STA C 184+50 TO C 195+50 SOLID RT

REMOVING SIGNS
AS SHOWN - 2

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 184+50 TO C 184+80 SOLID LT, DASHED RT
STA C 184+80 TO C 194+80 DASHED
STA C 194+80 TO C 195+50 DASHED LT, SOLID RT



LEGEND

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

PAVING
PROJECT
LAYOUT #49

PROJECT: CHESTER-LUDLOW PROJECT NO.: NH 2326(I)S

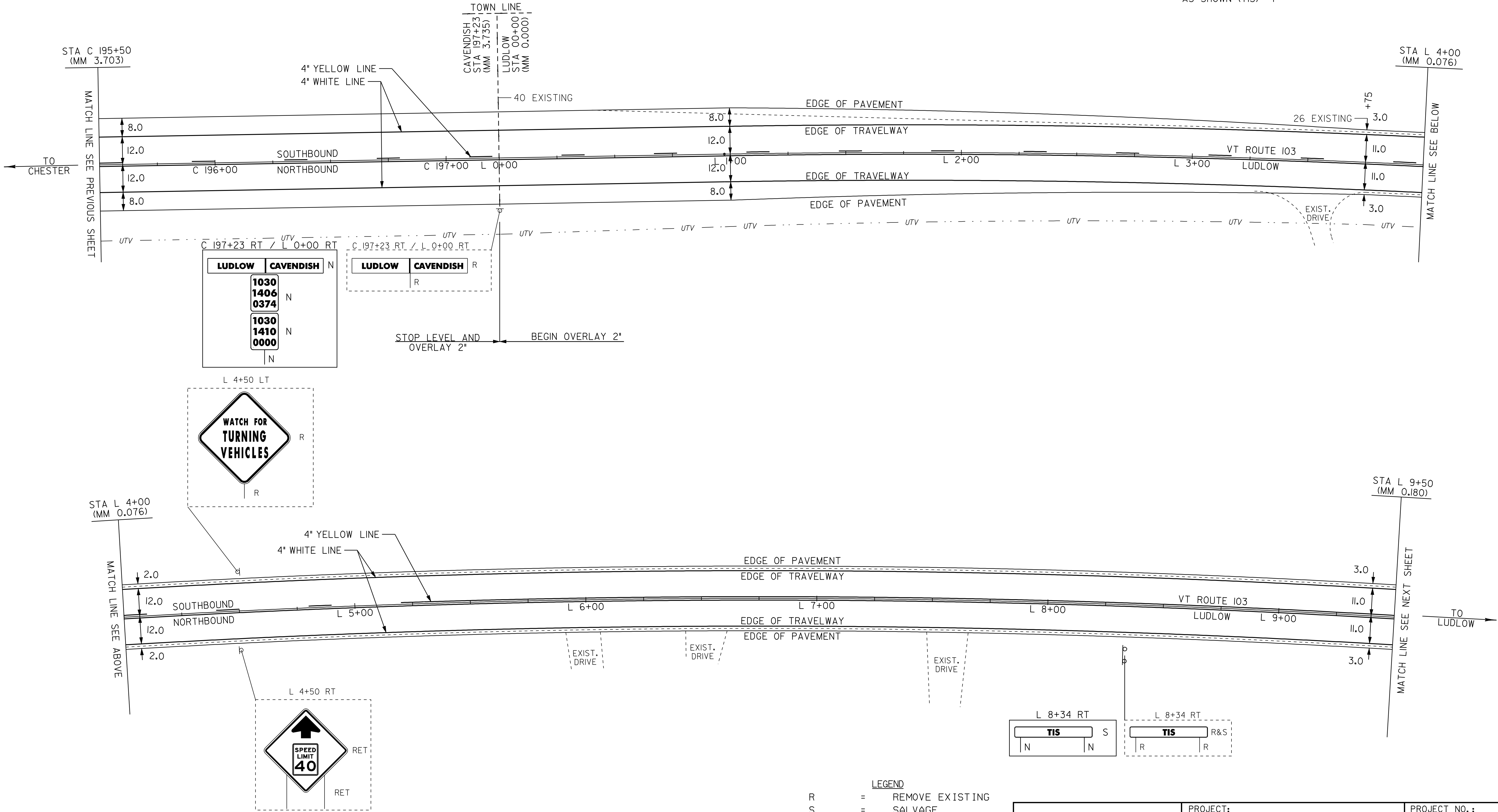
DESIGN FILE NAME: Zpave\Qlb038\pb038.dgn PLOT DATE: 16-OCT-2009 17:00
IPARM FILE NAME: pb0381a49.1 SURVEY DATE: 01/05/05
SURVEYED BY: CLD_ENGINEERS, INC. SQUAD LEADER: CRB
DRAWN BY: MRS
CLD 04-0396 SHEET: 63 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA C 195+50 TO L 9+50 SOLID LT
STA C 195+50 TO L 9+50 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA C 195+50 TO L 5+30 DASHED LT, SOLID RT
STA L 5+30 TO L 9+50 SOLID LT & RT

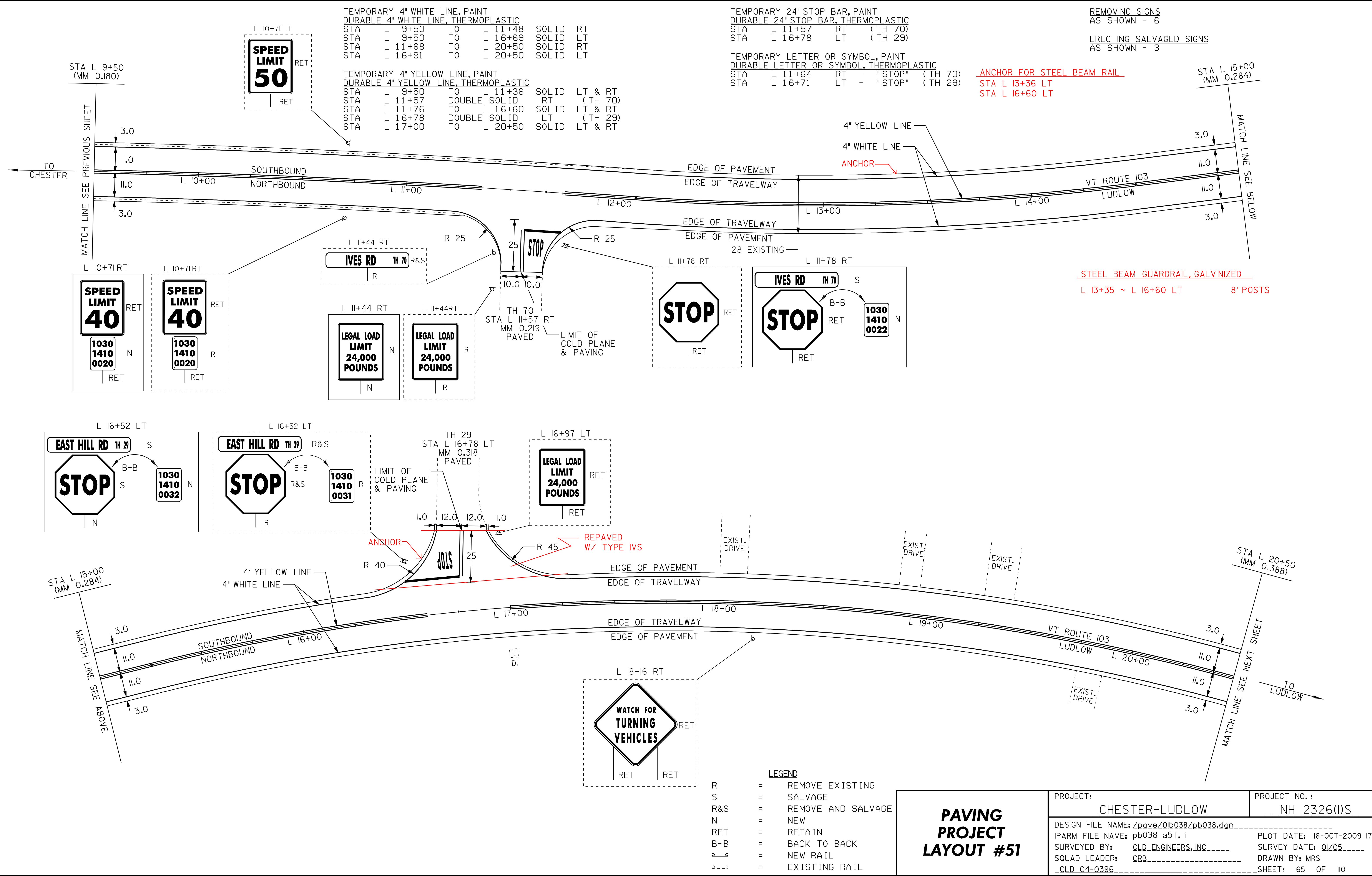
REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 1



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

PAVING PROJECT LAYOUT #50	PROJECT:	PROJECT NO.:
	_CHESTER-LUDLOW	_NH_2326(I)S_
	DESIGN FILE NAME: <u>2pave201b0382pb038.dgn</u>	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: <u>pb0381a50.i</u>	SURVEY DATE: 01/05
	SURVEYED BY: <u>CLD_ENGINEERS, INC</u>	DRAWN BY: MRS
	SQUAD LEADER: <u>CRB</u>	
	<u>CLD 04-0396</u>	SHEET: 64 OF 110



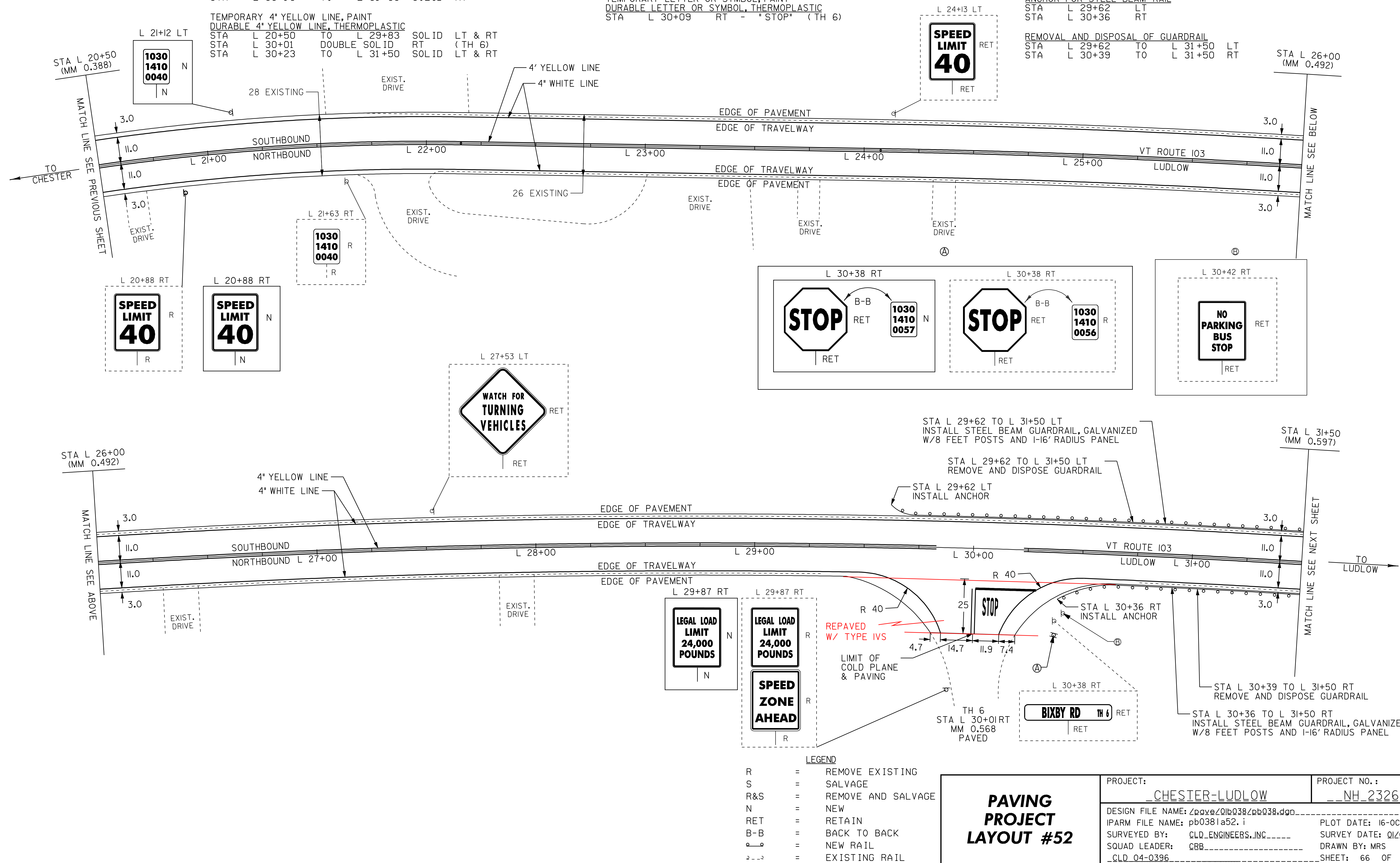
TEMPORARY 4" YELLOW LINE, PAINT					
<u>DURABLE 4" YELLOW LINE, THERMOPLASTIC</u>					
STA	L 20+50	TO	L 29+83	SOL ID	LT & RT
STA	L 30+01	DOUBLE	SOL ID	RT	(TH 6)
STA	L 30+23	TO	L 31+50	SOL ID	LT & RT

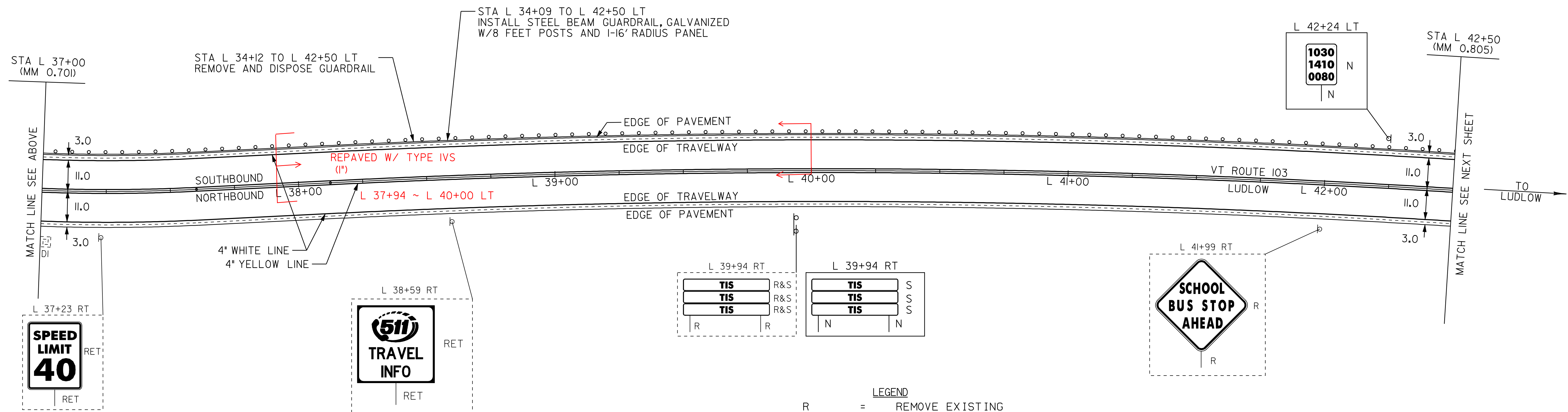
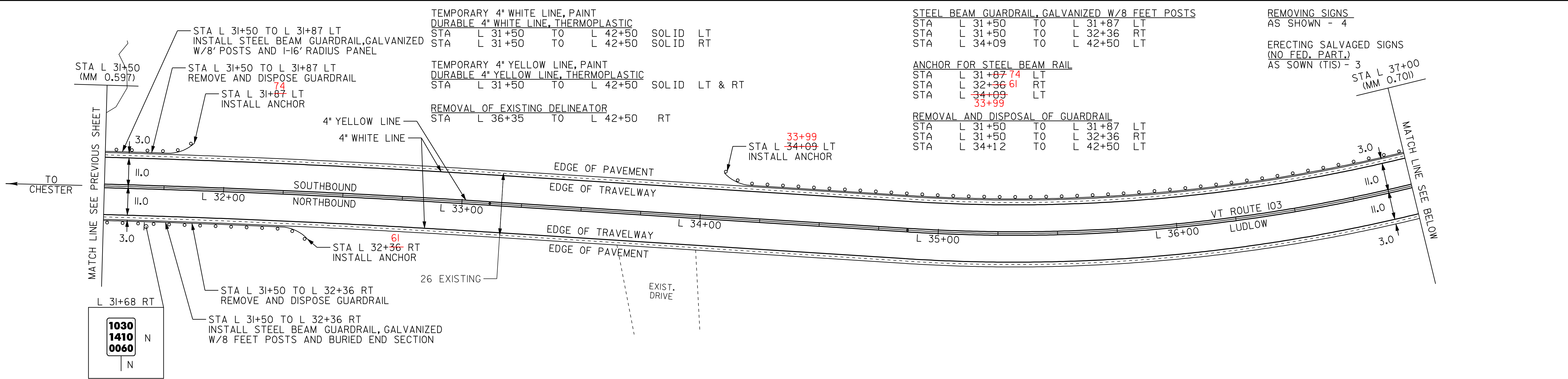
TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA L 30+01 RT (TH 6)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA L 30+09 RT - "STOP" (TH 6)

ANCHOR FOR STEEL BEAM RAIL		
STA	L 29+62	LT
STA	L 30+36	RT

REMOVAL AND DISPOSAL OF GUARDRAIL					
STA	L	29+62	T0	L	31+50 LT
STA	L	30+39	T0	L	31+50 RT





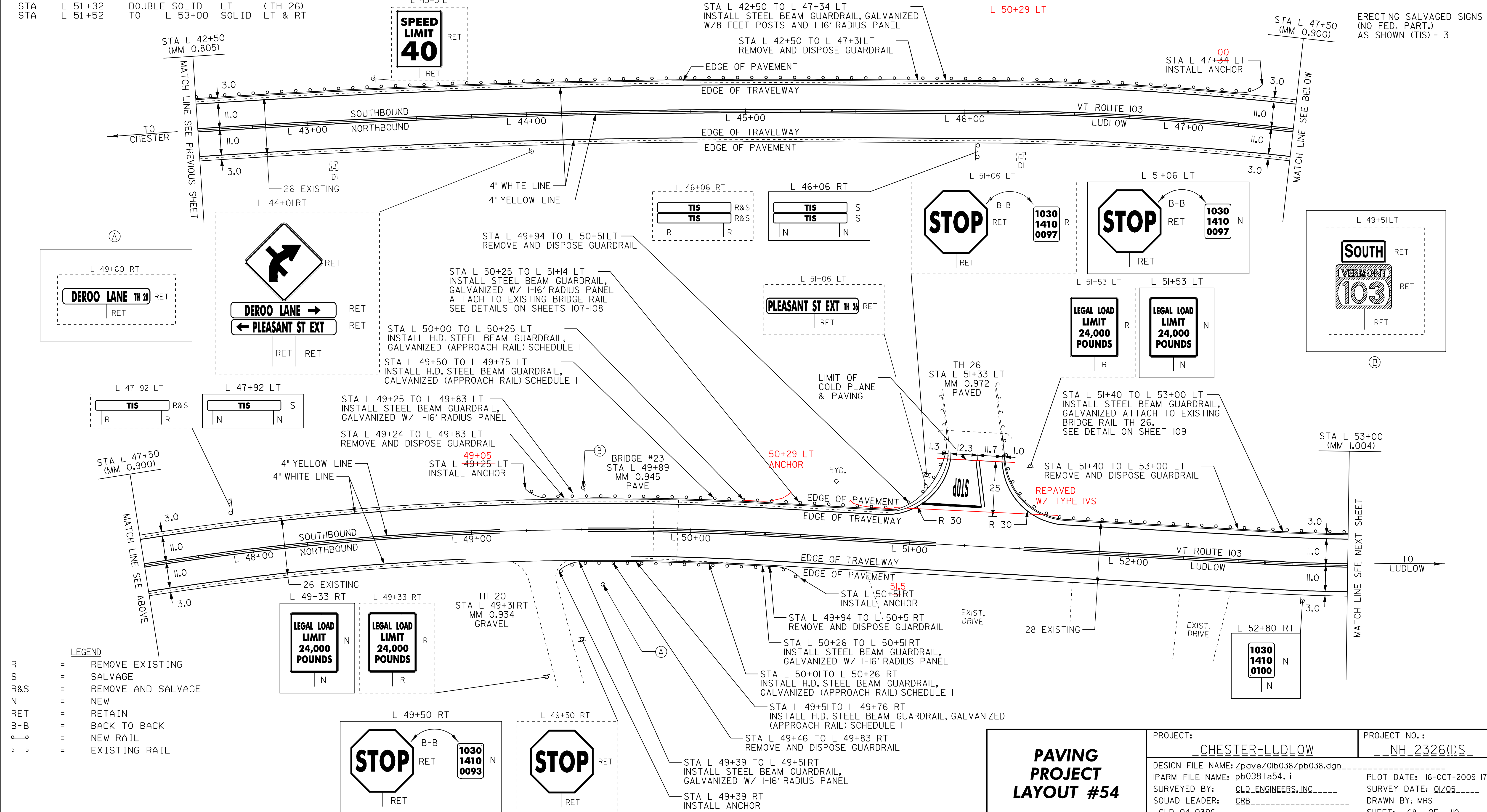
- LEGEND
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL

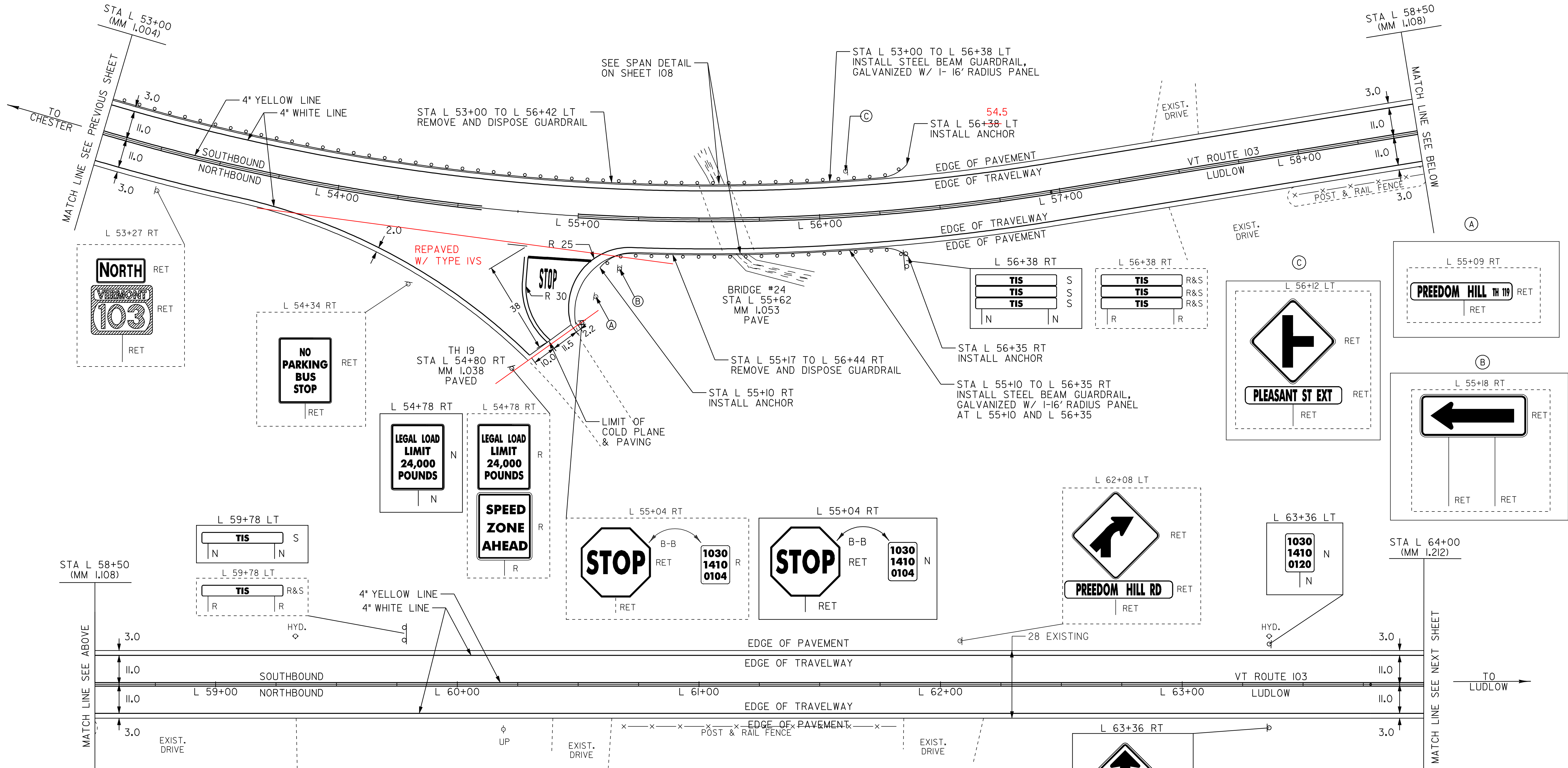
PAVING
PROJECT
LAYOUT #53

PROJECT:	PROJECT NO.:
__CHESTER-LUDLOW	__NH_2326(I)S__
DESIGN FILE NAME: \pave\01b038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
IPARM FILE NAME: pb0381a53.i	SURVEY DATE: 01/05/
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	SHEET: 67 OF 110
CLD 04-0396	

MOVAIL AND DISPOSAL OF GUARDRAIL				
A	L 42+50	T0	L 47+31	LT
A	L 49+24	T0	L 49+83	LT
A	L 49+46	T0	L 49+83	RT
A	L 49+94	T0	L 50+51	LT
A	L 49+94	T0	L 50+51	RT
A	L 51+10	T0	L 51+14	LT (TH 26)
A	L 51+40	T0	L 53+00	LT

ERECTING SALVAGED SIGNS
(NO FED. PART.)
AS SHOWN (TIS) - 3





TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC

STA	L 53+00	TO	L 54+71	SOLID	RT
STA	L 53+00	TO	L 64+00	SOLID	LT
STA	L 54+99	TO	L 64+00	SOLID	RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC

STA	L 53+00	TO	L 54+60	SOLID	LT & RT
STA	L 54+80	DOUBLE SOLID	RT	(TH 19)	
STA	L 55+00	TO	L 64+00	SOLID	LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC

STA	L 54+80	RT	(TH 19)
-----	---------	----	---------

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC

STA	L 54+90	RT	"STOP" (TH 19)
-----	---------	----	----------------

STEEL BEAM GUARDRAIL, GALVANIZED

STA	L 53+00	TO	L 56+38	LT
STA	L 55+10	TO	L 56+35	RT

ANCHOR FOR STEEL BEAM RAIL

STA	L 55+10	RT
STA	L 56+35	RT
STA	L 56+38	LT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA	L 53+00	TO	L 56+42	LT
STA	L 55+17	TO	L 56+44	RT

REMOVING SIGNS

AS SHOWN - 7

ERECTING SALVAGED SIGNS

(NO FED. PART.)

AS SHOWN (TIS) - 4

LEGEND

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

PAVING
PROJECT
LAYOUT #55

PROJECT:

—CHESTER-LUDLOW

PROJECT NO.:

—NH_2326(I)S—

DESIGN FILE NAME: \pave\01b038\pb038.dgn

IPARM FILE NAME: pb0381a55.1

SURVEYED BY: CLD_ENGINEERS, INC

SQUAD LEADER: CRB

CLD 04-0396

PLOT DATE: 16-OCT-2009 17:

SURVEY DATE: 01/05

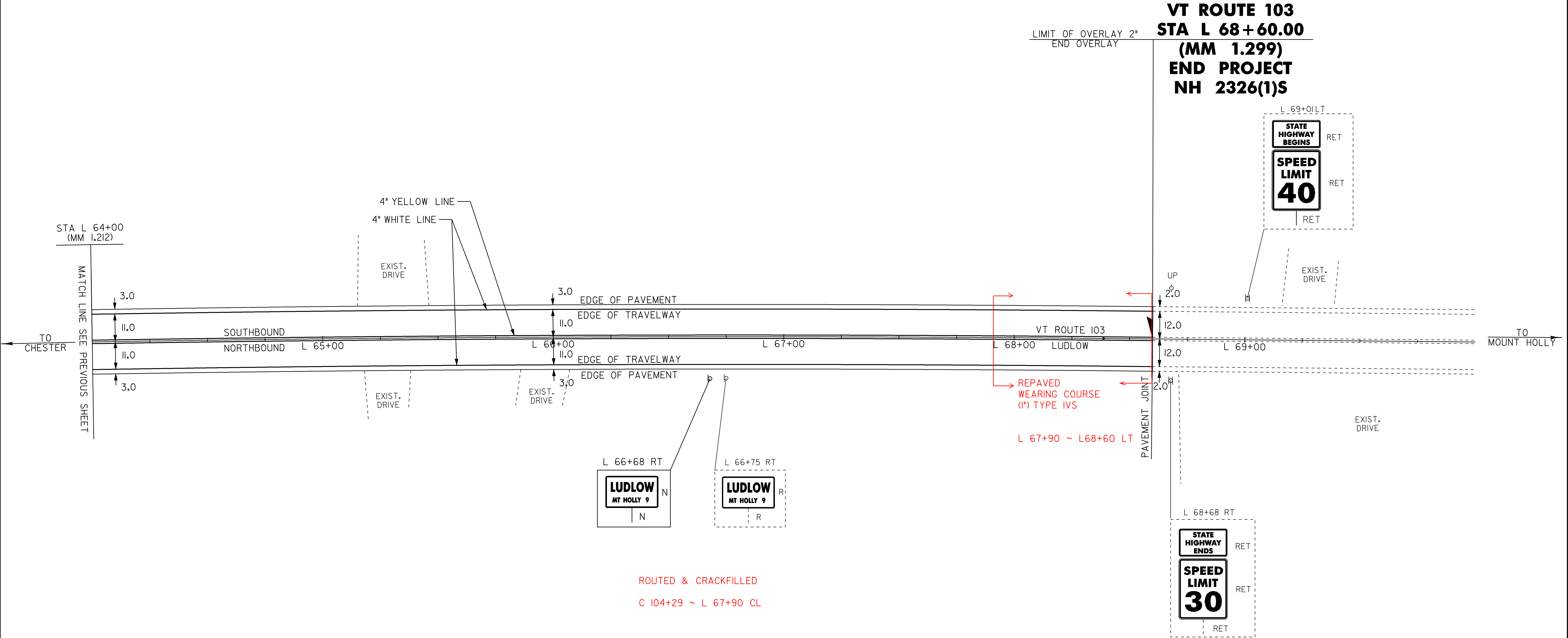
DRAWN BY: MRS

SHEET: 69 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURALBE 4" WHITE LINE, THERMOPLASTIC
STA L 64+00 TO L 68+60 SOLID LT
STA L 64+00 TO L 68+60 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA L 64+00 TO L 68+60 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



ROUTED & CRACKFILLED
C 104+29 ~ L 67+90 CL

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

PAVING PROJECT LAYOUT #56	PROJECT:	PROJECT NO.:
	__CHESTER-LUDLOW	__NH_2326(1)S__
	DESIGN FILE NAME: Zpave\01b\038\pb038.dgn	PLOT DATE: 16-OCT-2009 17:
	IPARM FILE NAME: pb0381a56.i	SURVEY DATE: 01/05
	SQUAD LEADER: CRB	DRAWN BY: MRS
	CLD_04-0396	SHEET: 70 OF 110

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 301+25 TO 303+75 SOLID RT
STA 301+25 TO 302+30 SOLID LT
STA 303+10 TO 303+75 SOLID LT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 301+25 TO 302+50 SOLID LT & RT
STA 302+70 DOUBLE SOLID LT (TH 17)
STA 302+90 TO 303+75 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA 302+70 LT (TH 17)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA 302+63 LT - "STOP" (TH 17)

MANUFACTURED TERMINAL SECTION, FLARED
STA 303+95 LT

REMOVING SIGNS
AS SHOWN - 6

ERECTING SALVAGED SIGNS
AS SHOWN - 1

LIMIT OF REGRADING, EXCAVATE AS NECESSARY
PLACE 4" OF TOPSOIL AND SEED

LIMIT OF PAVING

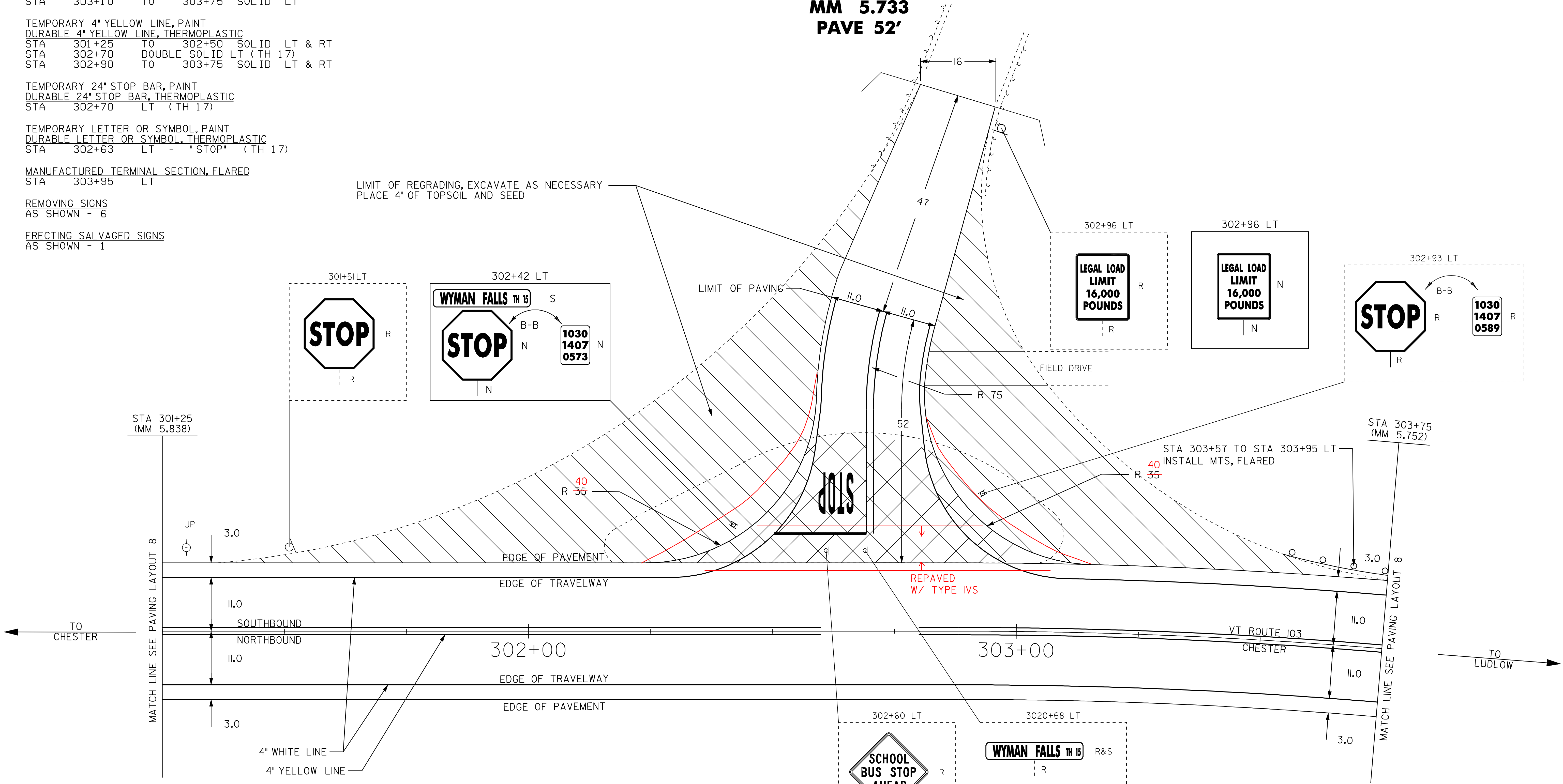
FIELD DRIVE

STA 303+57 TO STA 303+95 LT
INSTALL MTS, FLARED

REPAVED
W/ TYPE IVS

NOTE:
PRIOR TO AN EXCAVATION THE CONTRACTOR IS TO
CONTACT VT&L TO DETERMINE THE EXACT LOCATION
OF THE BURIED CABLE.

TH 17
STA 302+70
MM 5.733
PAVE 52'



LEGEND

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

INTERSECTION
DETAIL
SHEET 1

SURVEYED BY CLD DATE 1/05
DRAWN BY NLL DATE 5/05
SQUAD LEADER CRB
DESIGN FILE NO. /pave/01b038/pb038.dgn
IPARM FILE pb0381a57.i DATE 16 OCT-2009 17
PROJ. NAME CHESTER - LUDLOW
PROJ. NO. NH 2326(1)S
SHEET 71 OF 110 SHEETS

TEMPORARY 4" WHITE LINE, PAINT
DURABLE 4" WHITE LINE, THERMOPLASTIC
STA 385+50 TO 388+00 SOLID LT
STA 385+50 TO 386+50 SOLID RT
STA 386+93 TO 388+00 SOLID RT

TEMPORARY 4" YELLOW LINE, PAINT
DURABLE 4" YELLOW LINE, THERMOPLASTIC
STA 385+50 TO 386+55 SOLID LT & RT
STA 386+75 DOUBLE SOLID RT (TH 93)
STA 386+95 TO 388+00 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR, THERMOPLASTIC
STA 386+75 RT (TH 93)

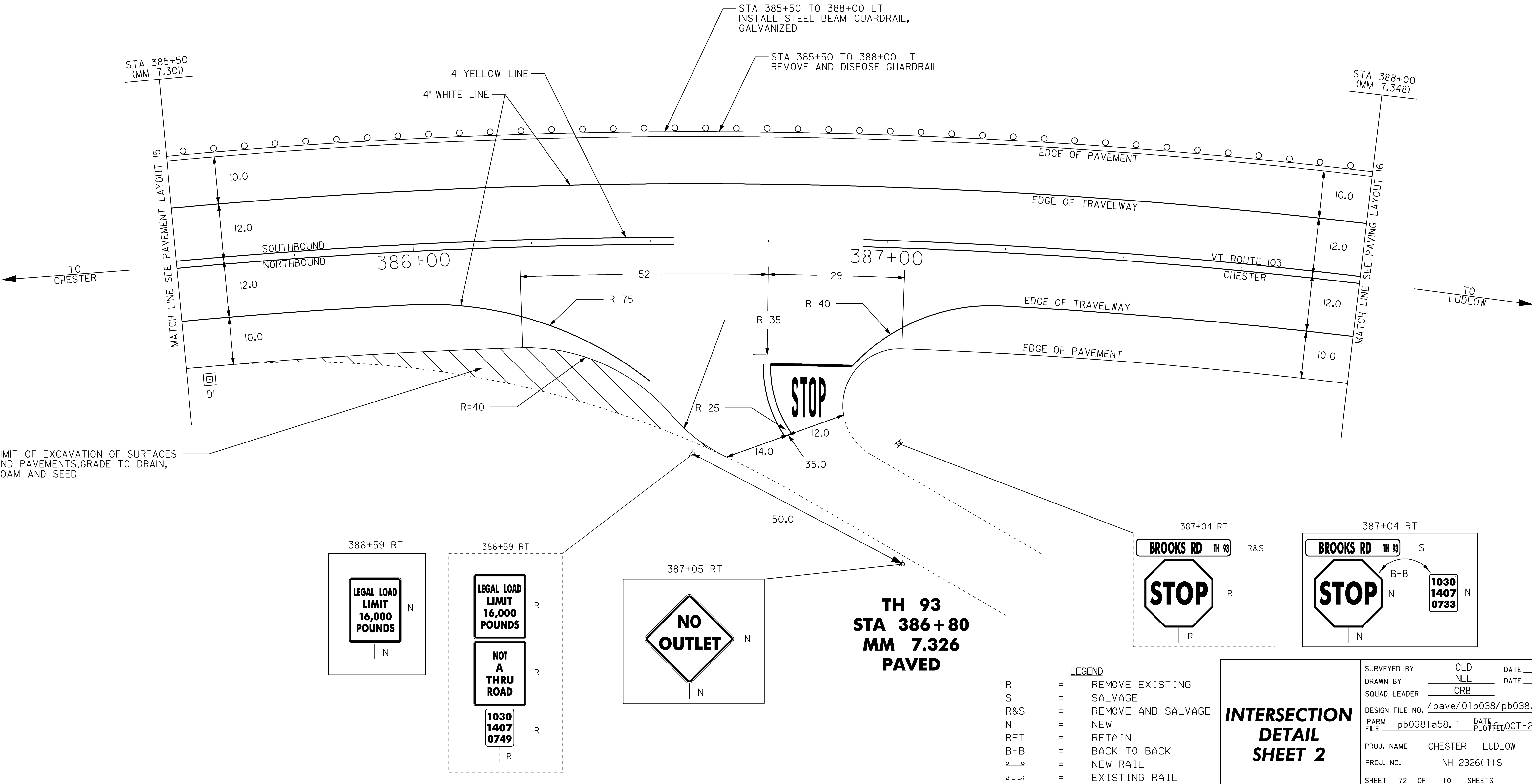
TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA 386+84 RT - "STOP" (TH 93)

STEEL BEAM GUARDRAIL, GALVANIZED
STA 385+50 TO 388+00 LT

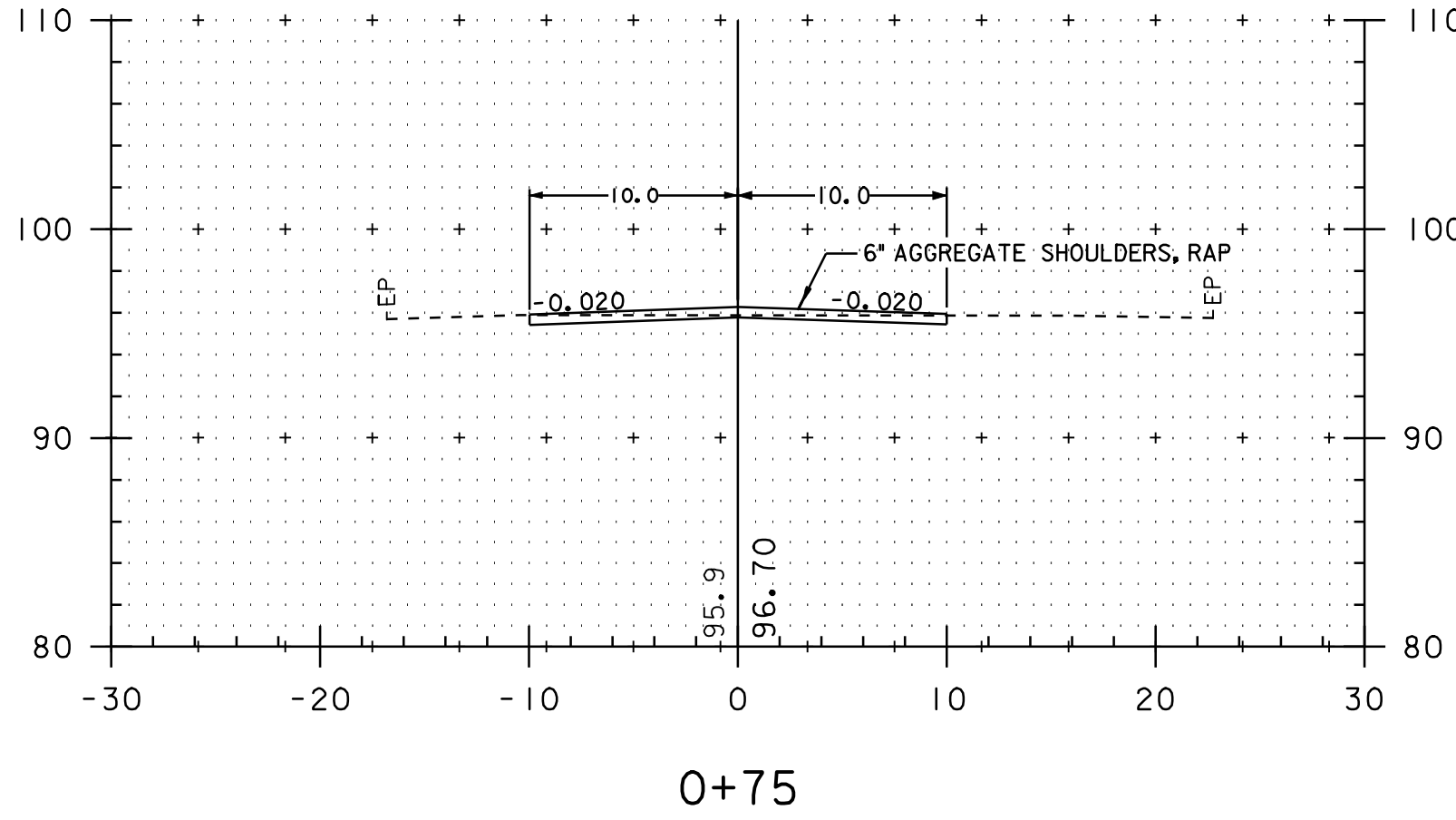
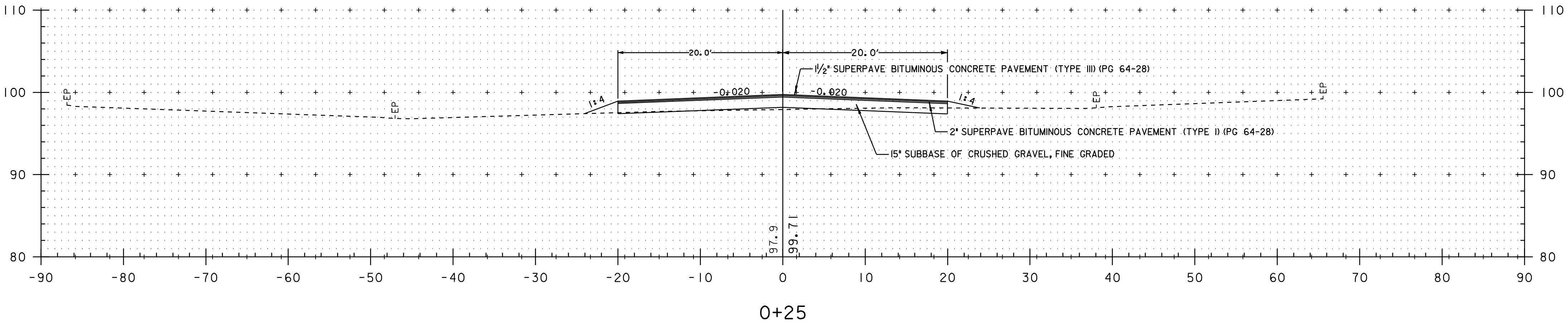
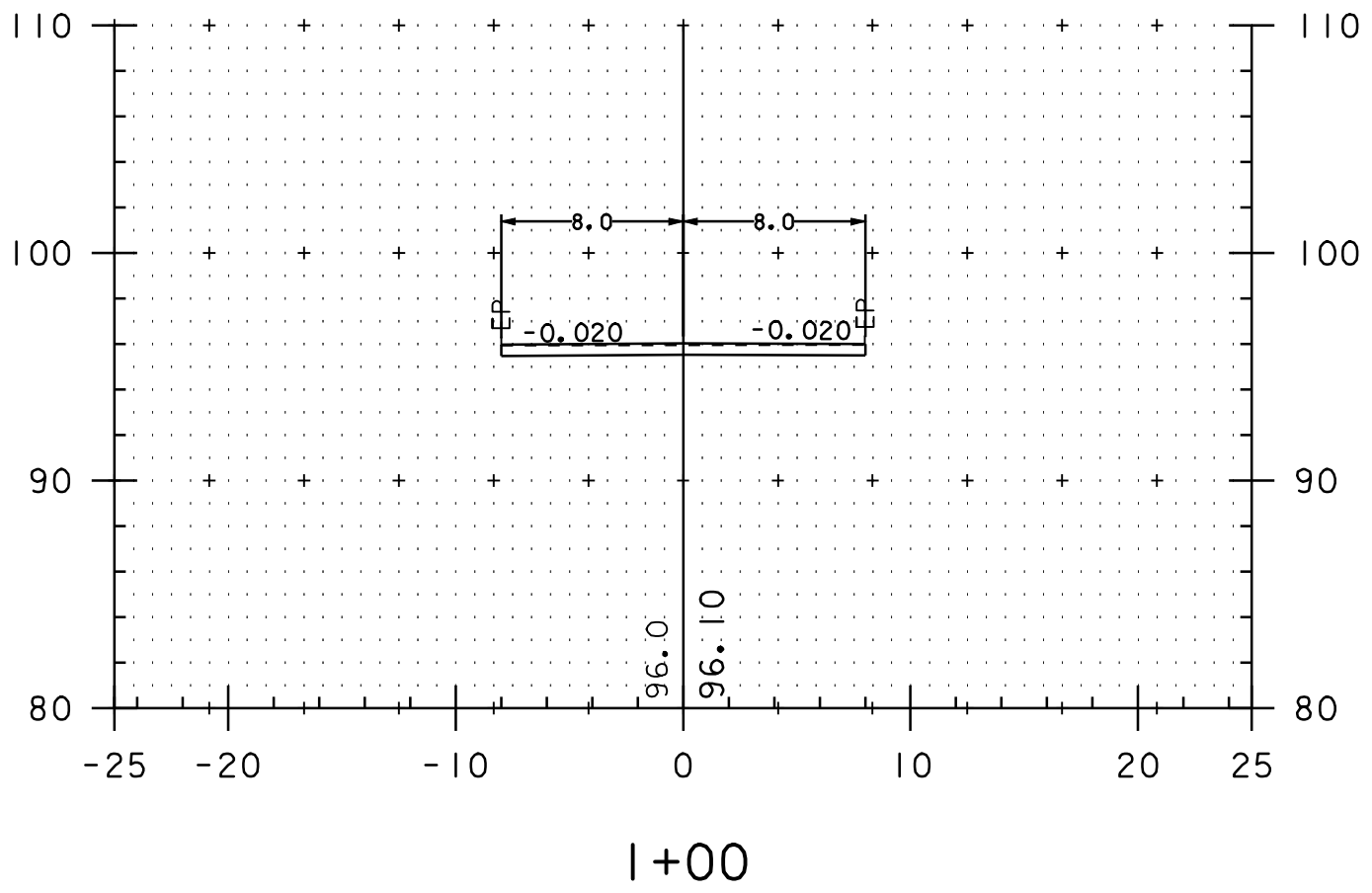
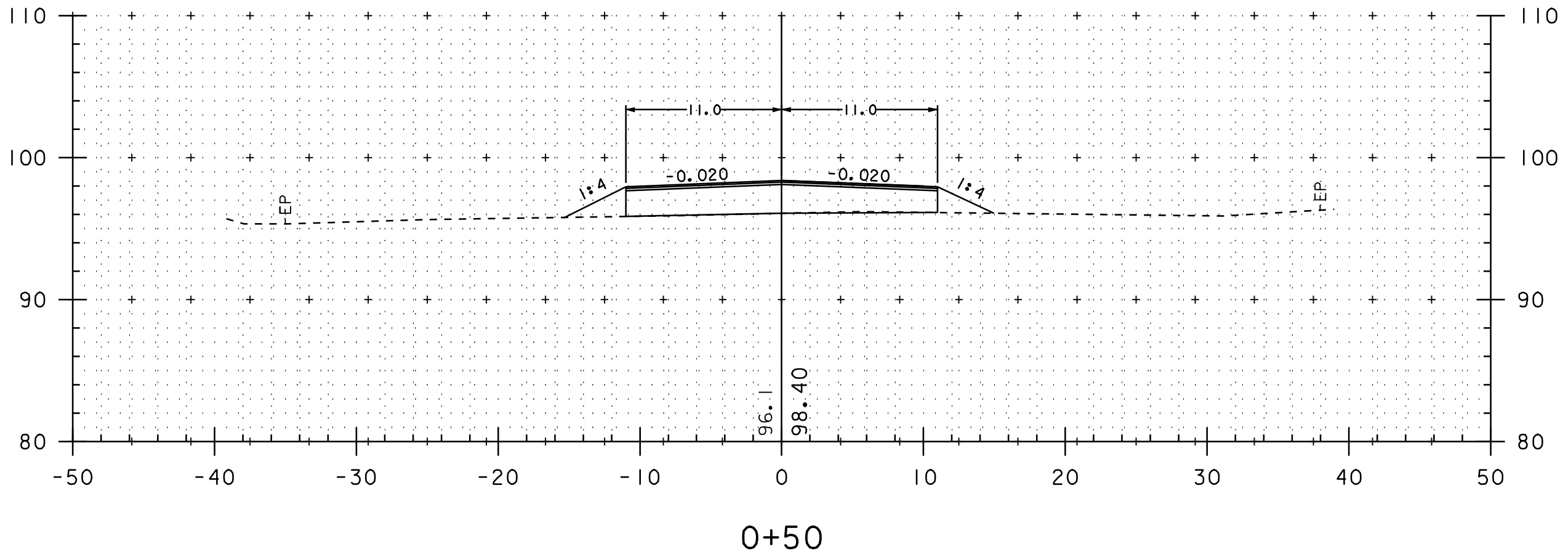
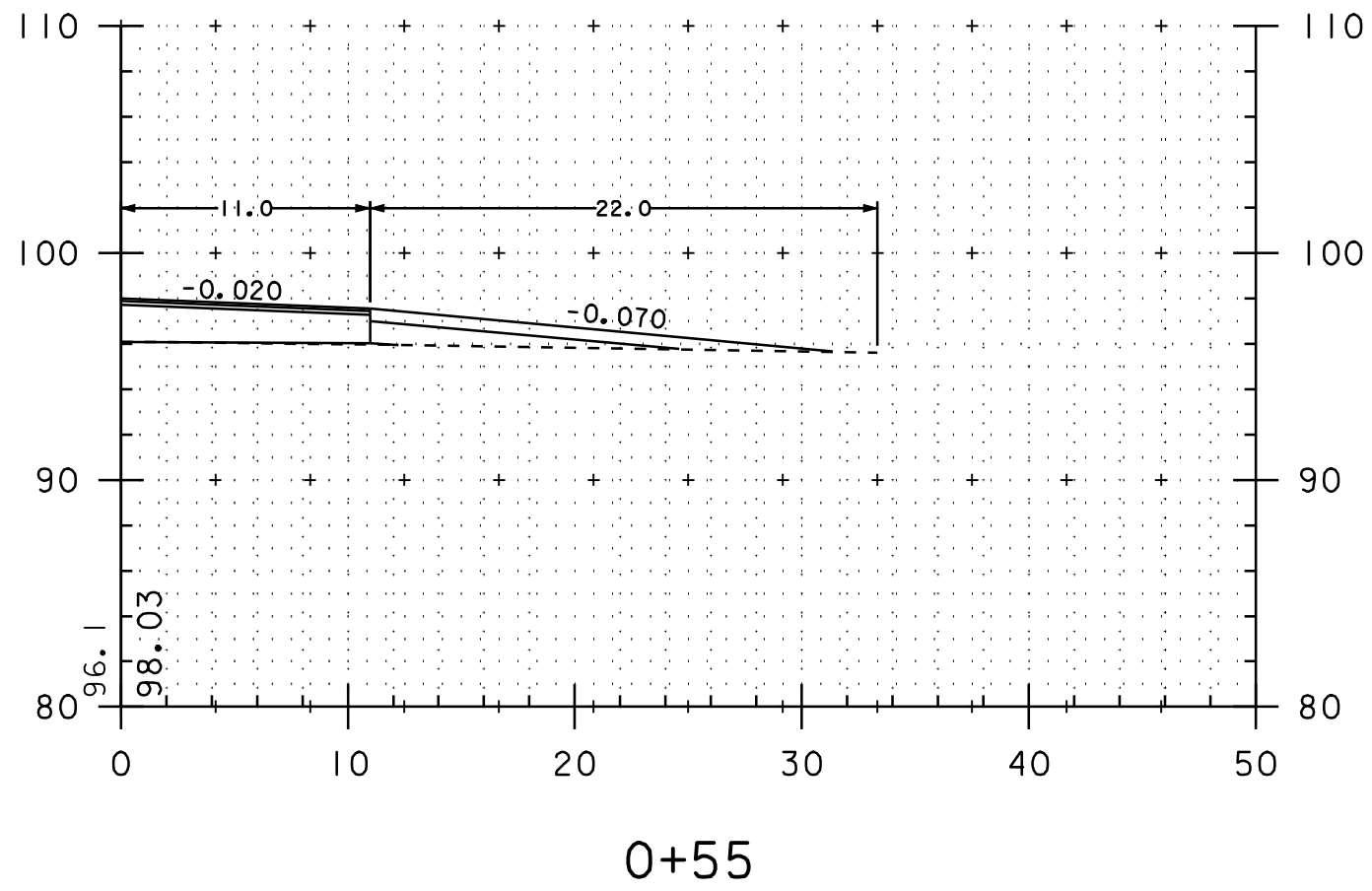
REMOVAL AND DISPOSAL OF GUARDRAIL
STA 385+50 TO 388+00 LT

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 1

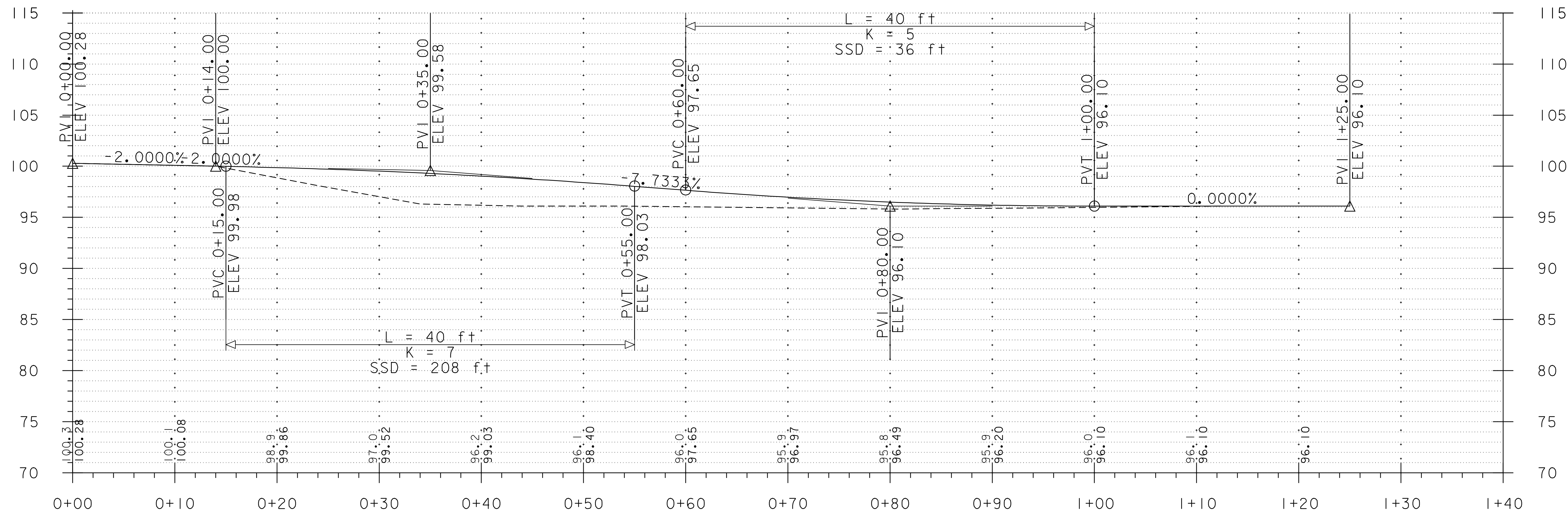


1 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE III S) (PG 64-28)
2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE II S) (PG 64-28)
6" AGGREGATE SHOULDERS RAP
15" SUBBASE OF CRUSHED GRAVEL, FINE GRADED (UNDER PAVEMENT)
12" SUBBASE OF CRUSHED GRAVEL, FINE GRADED (UNDER PAVEMENT)



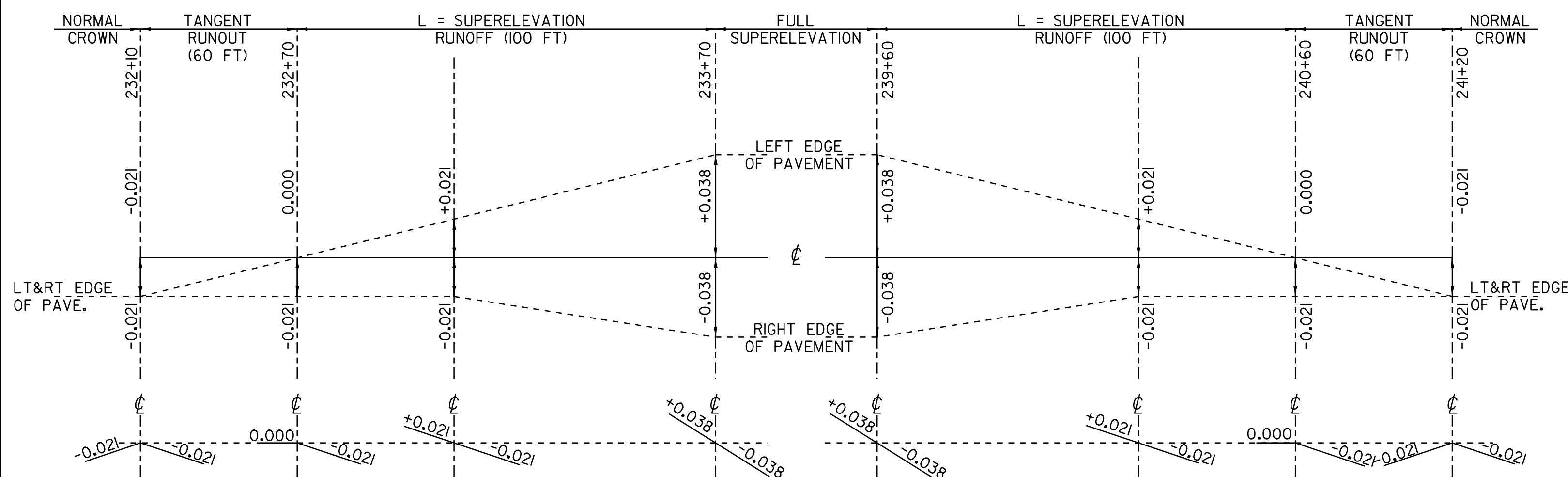
**TH 17
CROSS SECTIONS
SHEET**

PROJECT:	PROJECT NO.:
<u> CHESTER-LUDLOW </u>	<u> NH_2326(I)S </u>
DESIGN FILE NAME: /pave/0lb038/pb038.dgn	PLOT DATE: 16-OCT-2009 17:
IPARM FILE NAME: pb038pcsQ1.i	SURVEY DATE: 01/05
SURVEYED BY: CLD_ENGINEERS, INC	DRAWN BY: MRS
SQUAD LEADER: CRB	
<u> CLD-04-0396 </u>	SHEET: 73 OF 110



**TH 17
PROFILE
SHEET**

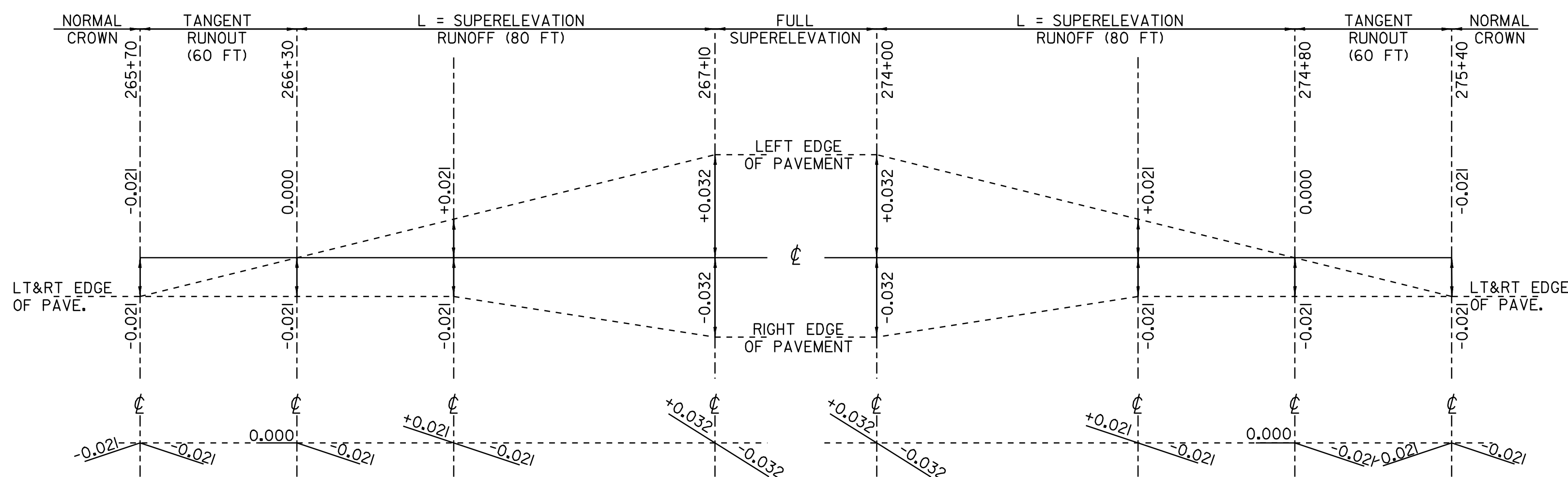
PROJECT:		PROJECT NO.:	
_CHESTER-LUDLOW		__NH_2326(I)S__	
DESIGN FILE NAME: /pave/0lb038/pb038.dgn		PLOT DATE: 16-OCT-2009 17:	
IPARM FILE NAME: pb038pcs02,1		SURVEY DATE: 01/05	
SURVEYED BY: CLD_ENGINEERS, INC		DRAWN BY: MRS	
SQUAD LEADER: CRB		SHEET: 73A OF 110	
_CLD_04-0396			



CURVE 1

SUPERELEVATION DIAGRAM
NTS

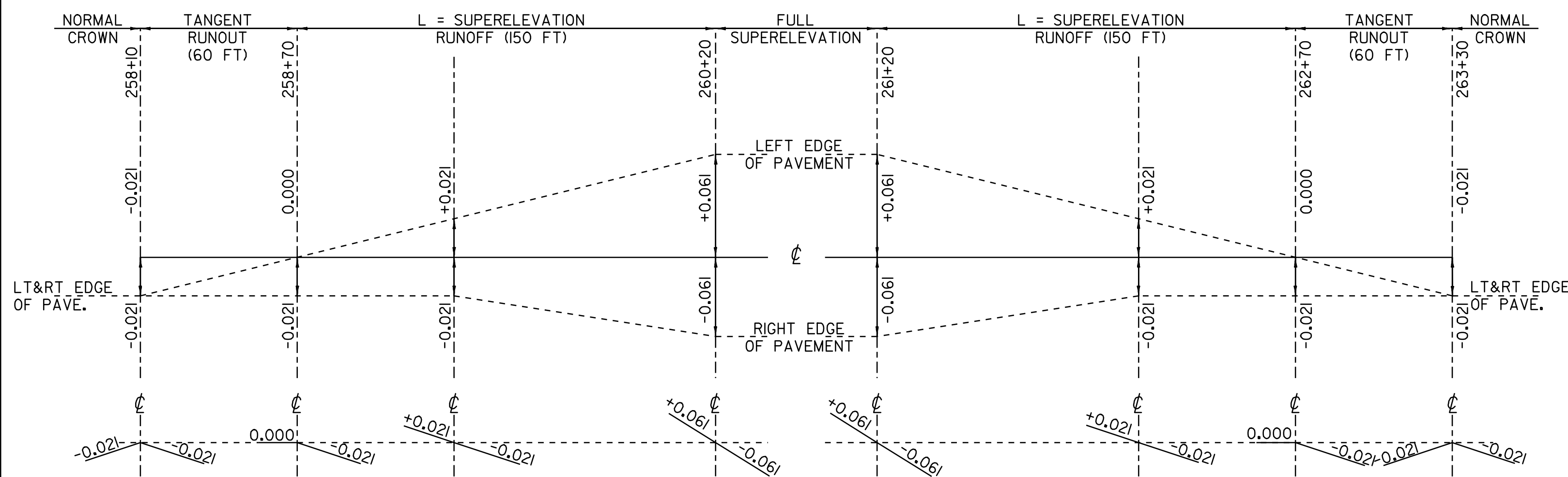
CHESTER
PC = 233+40 R = 2860 FT
PT = 239+90 V = 50 MPH



CURVE 3

SUPERELEVATION DIAGRAM
NTS

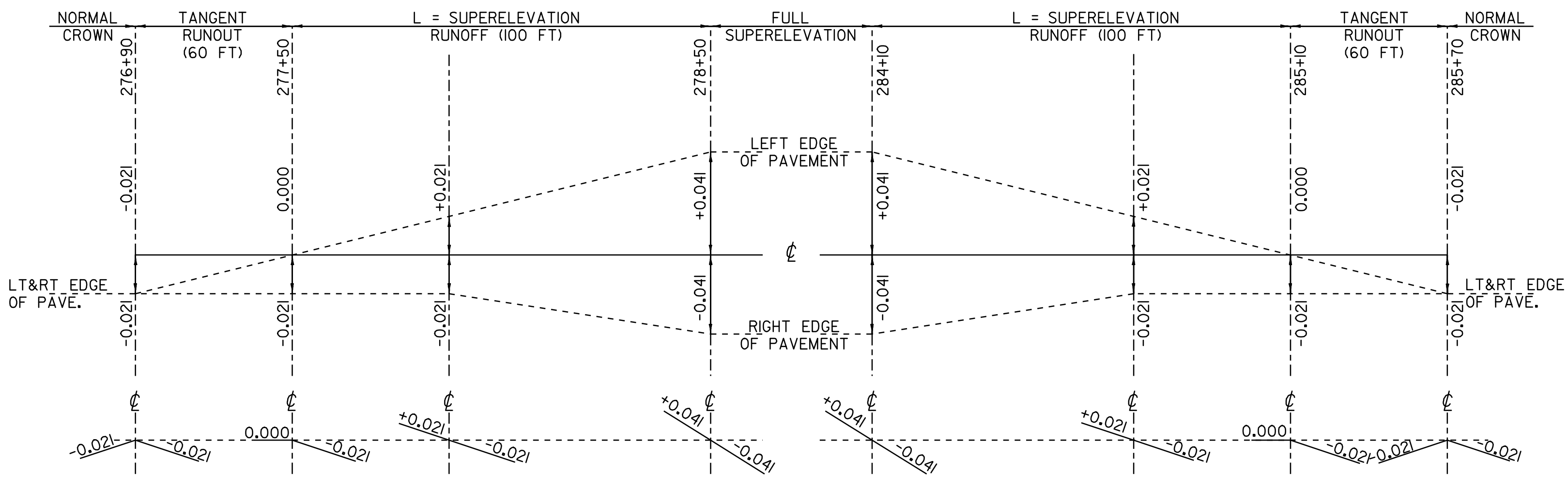
CHESTER
PC = 266+80 R = 3600 FT
PT = 274+30 V = 50 MPH



CURVE 2

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 259+70 R = 1530 FT
PT = 261+70 V = 50 MPH



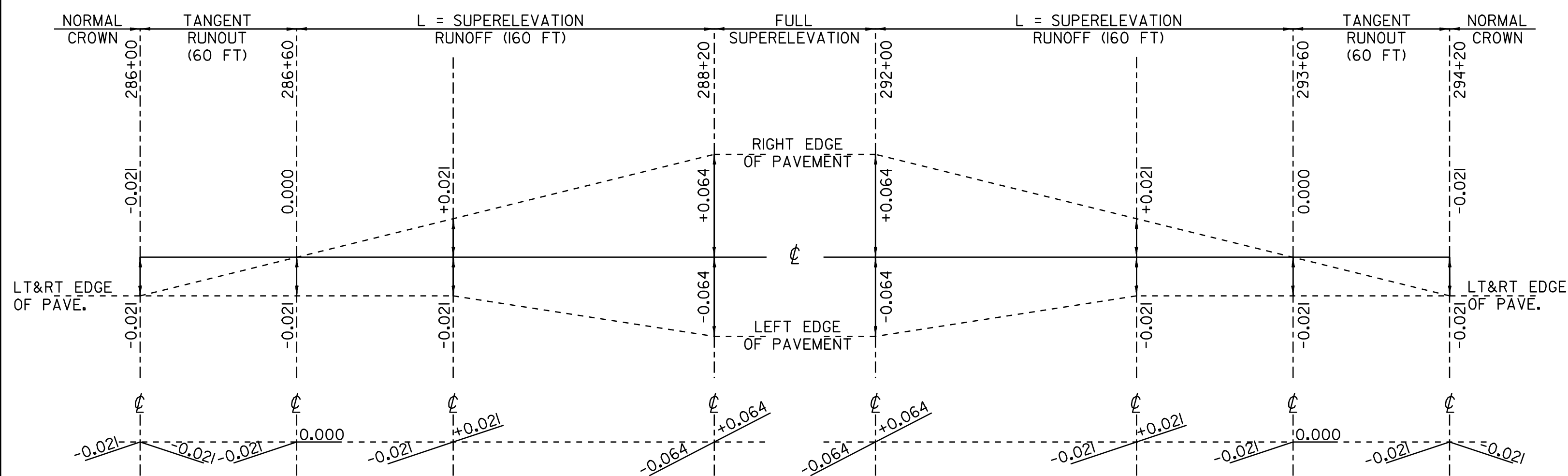
CURVE 4

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 278+20 R = 2670 FT
PT = 284+40 V = 50 MPH

**SUPERELEVATION
BANKING DIAGRAM
SHEET #01**

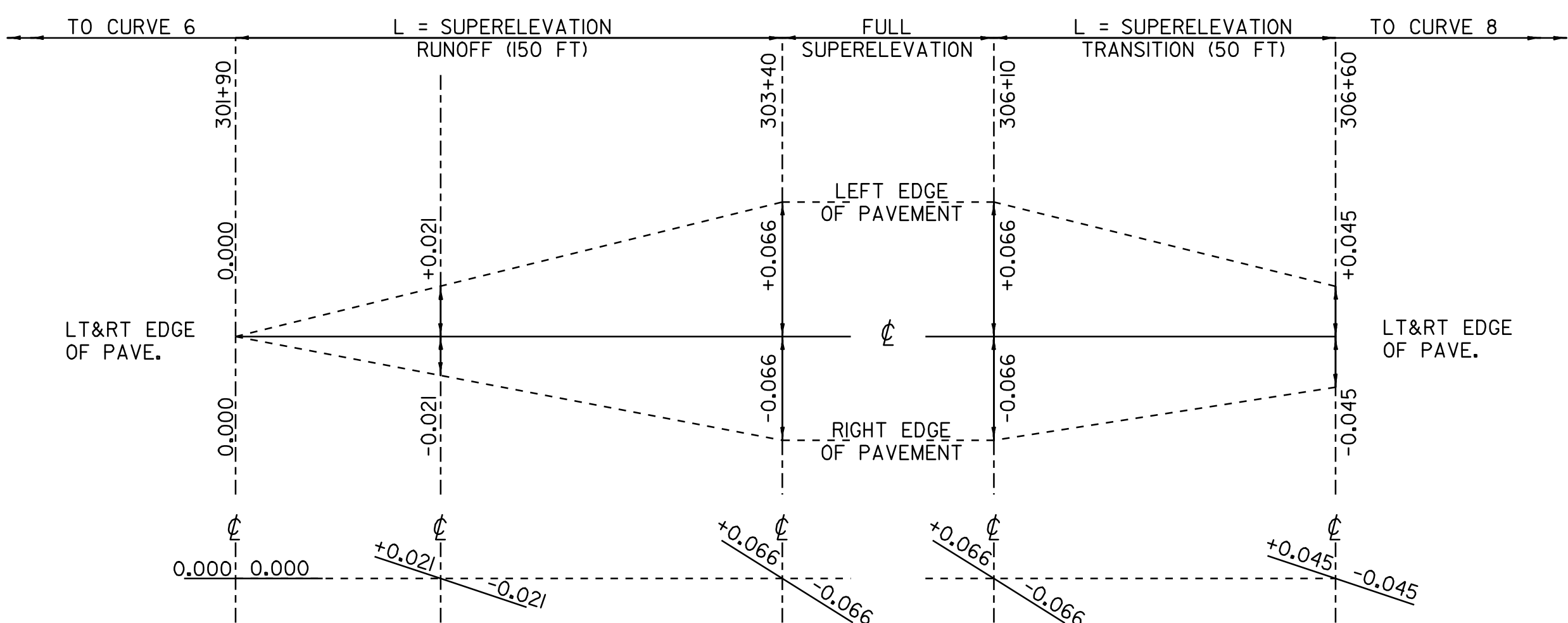
SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038d105.i	DATE	16 OCT-2009 17
		PLOT	
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	74	OF	110 SHEETS



CURVE 5

SUPERELEVATION DIAGRAM
NTS

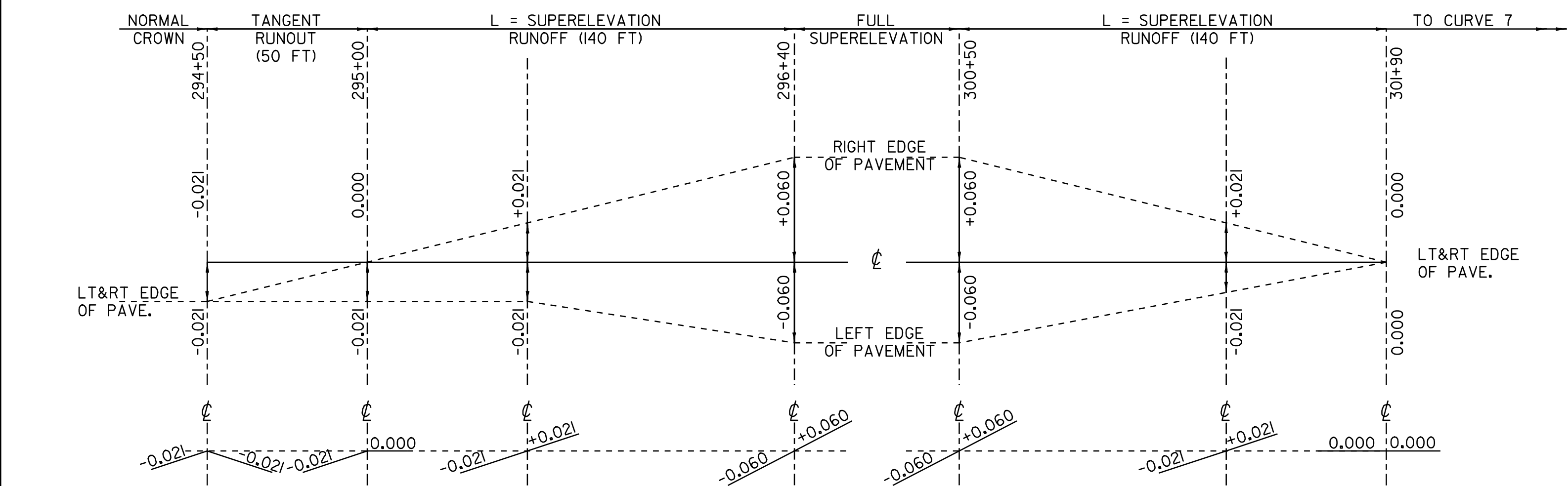
CHESTER
PC = 287+70 R = 1410 FT
PT = 292+50 V = 50 MPH



CURVE 7

SUPERELEVATION DIAGRAM
NTS

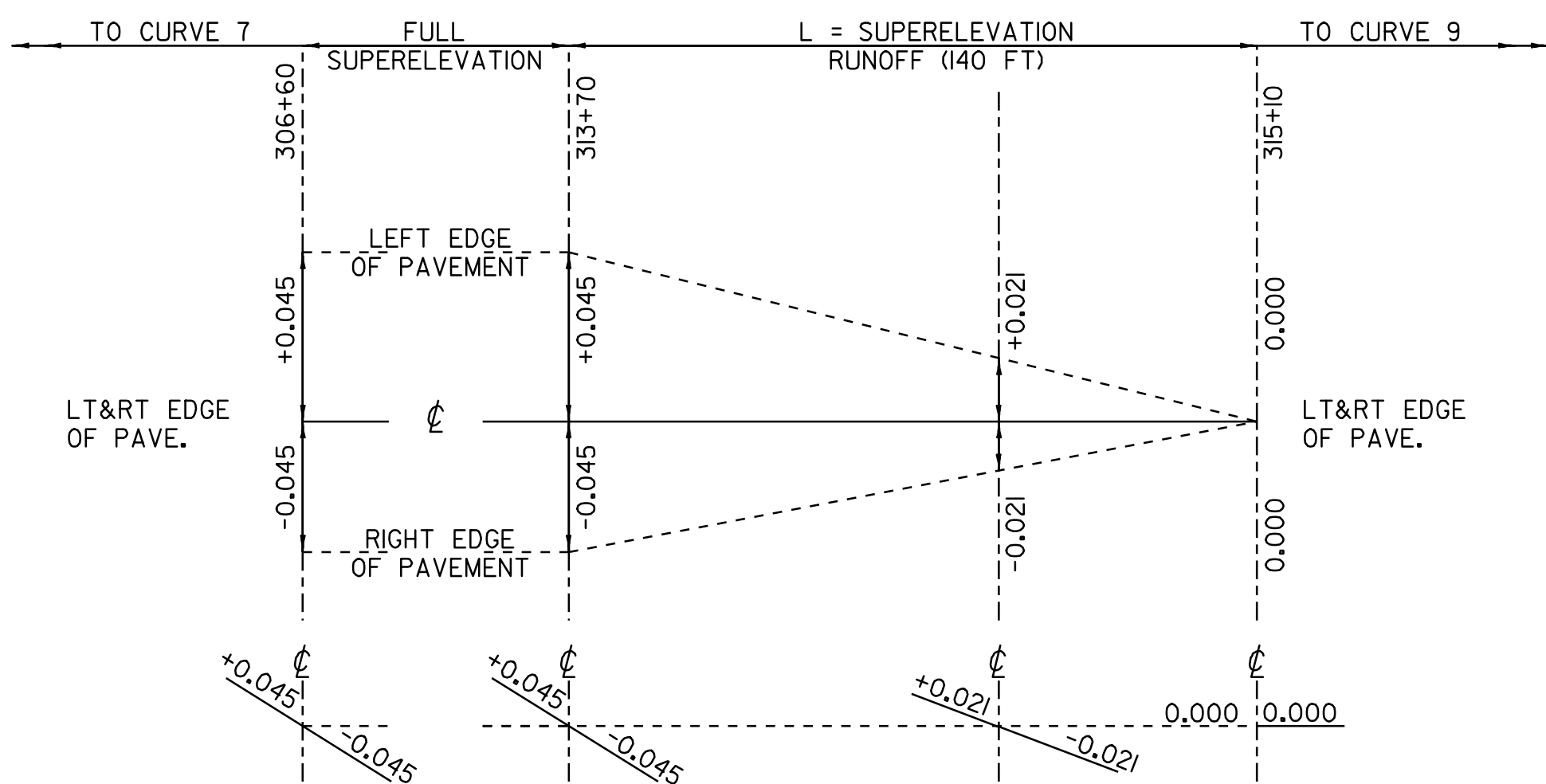
CHESTER
PC = 302+90 R = 1050 FT
PT = 306+60 V = 45 MPH



CURVE 6

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 295+90 R = 1260 FT
PT = 301+00 V = 45 MPH



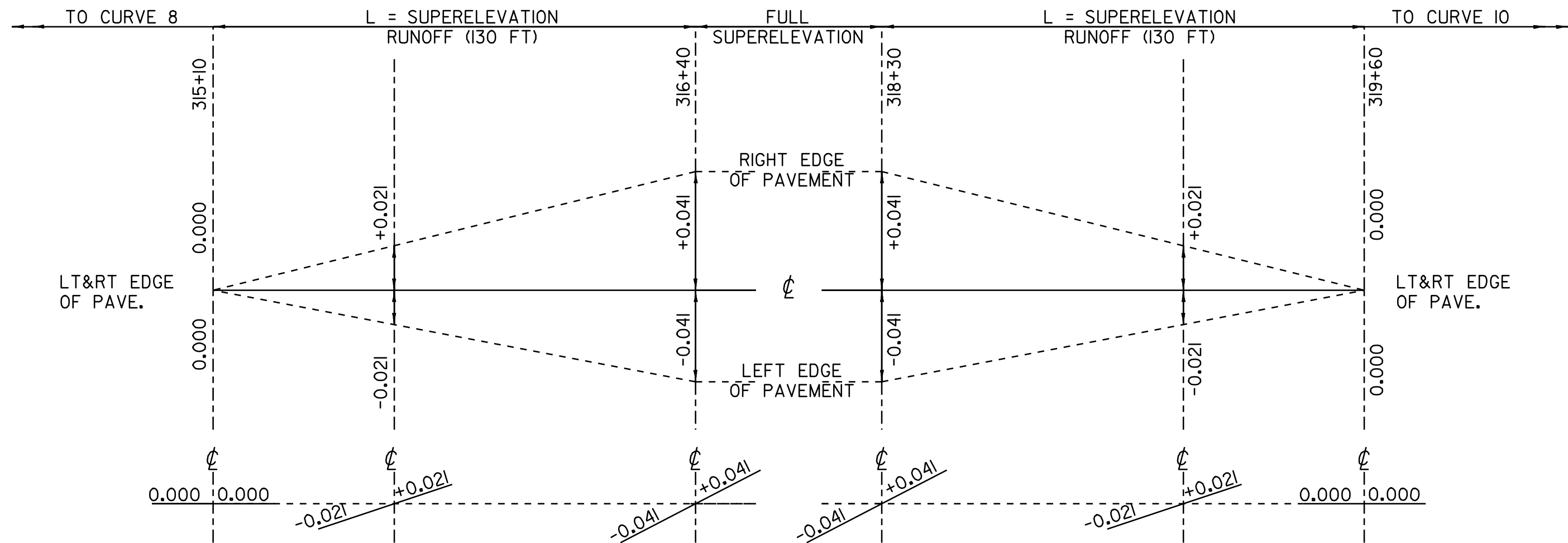
CURVE 8

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 307+60 R = 2375 FT
PT = 314+10 V = 50 MPH

**SUPERELEVATION
BANKING DIAGRAM
SHEET #02**

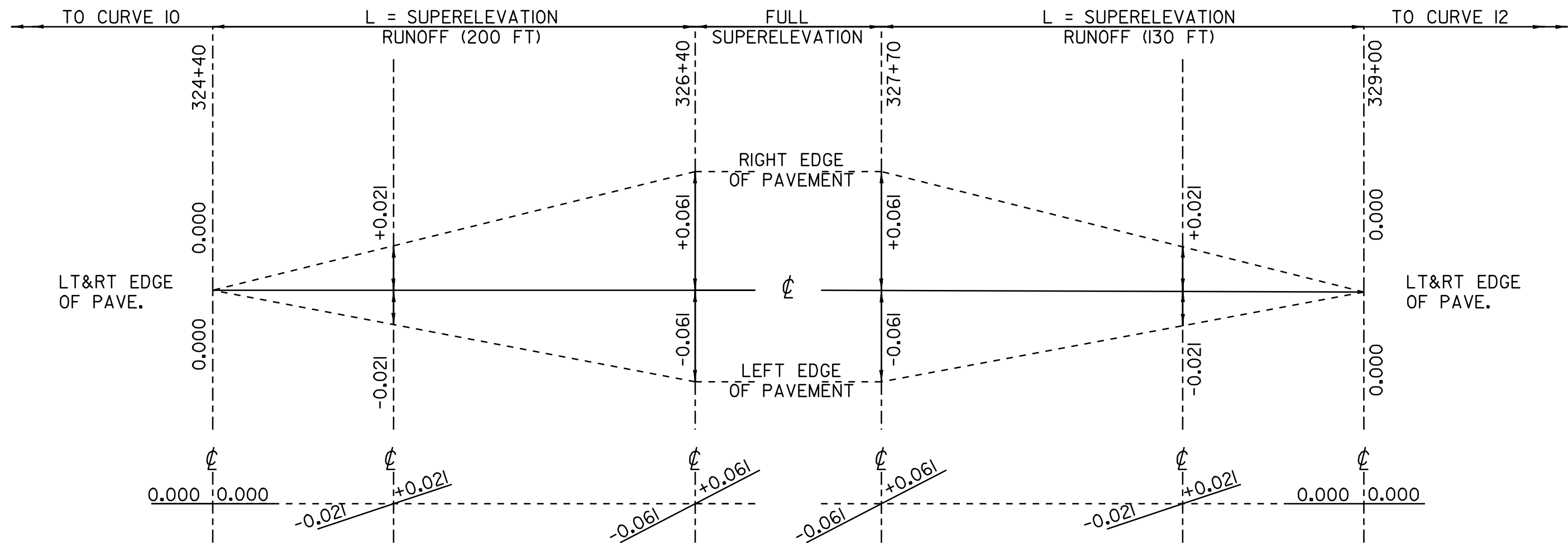
SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038d106.1	DATE PLOTTED	16-OCT-2009 17
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	75 OF 110 SHEETS		



CURVE 9

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 316+00 R = 2630 FT
PT = 318+60 V = 50 MPH

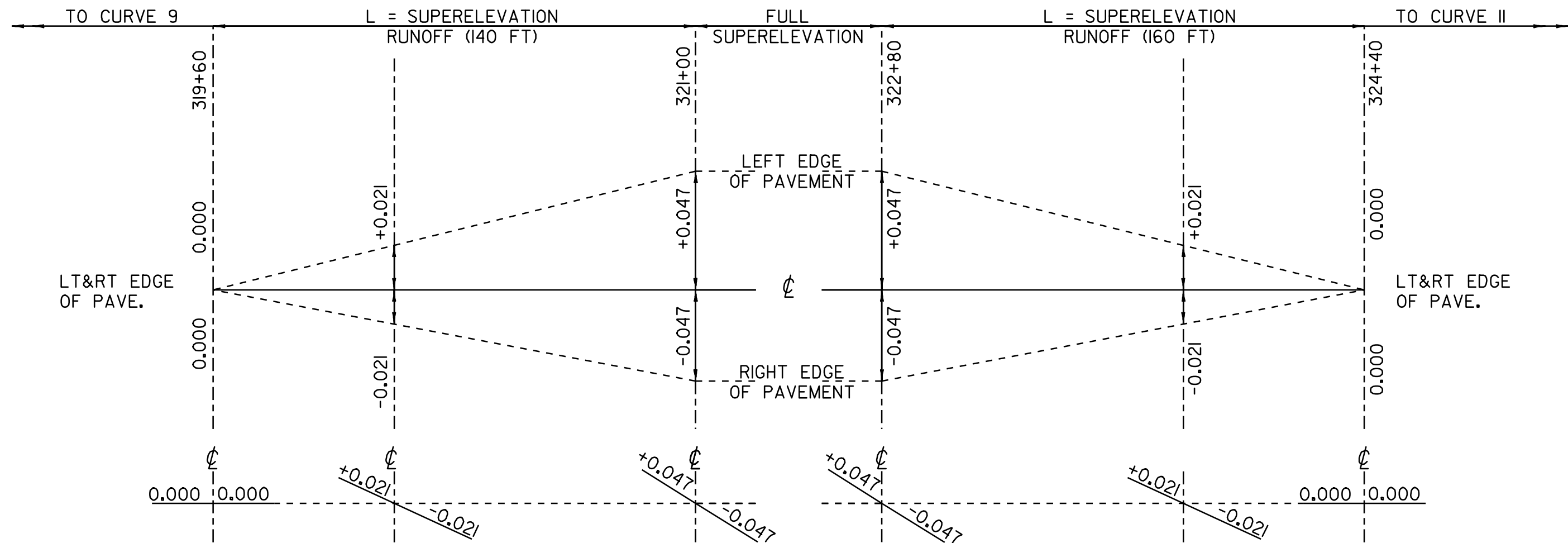


CURVE 11

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 326+00 R = 940 FT
PT = 328+20 V = 40 MPH

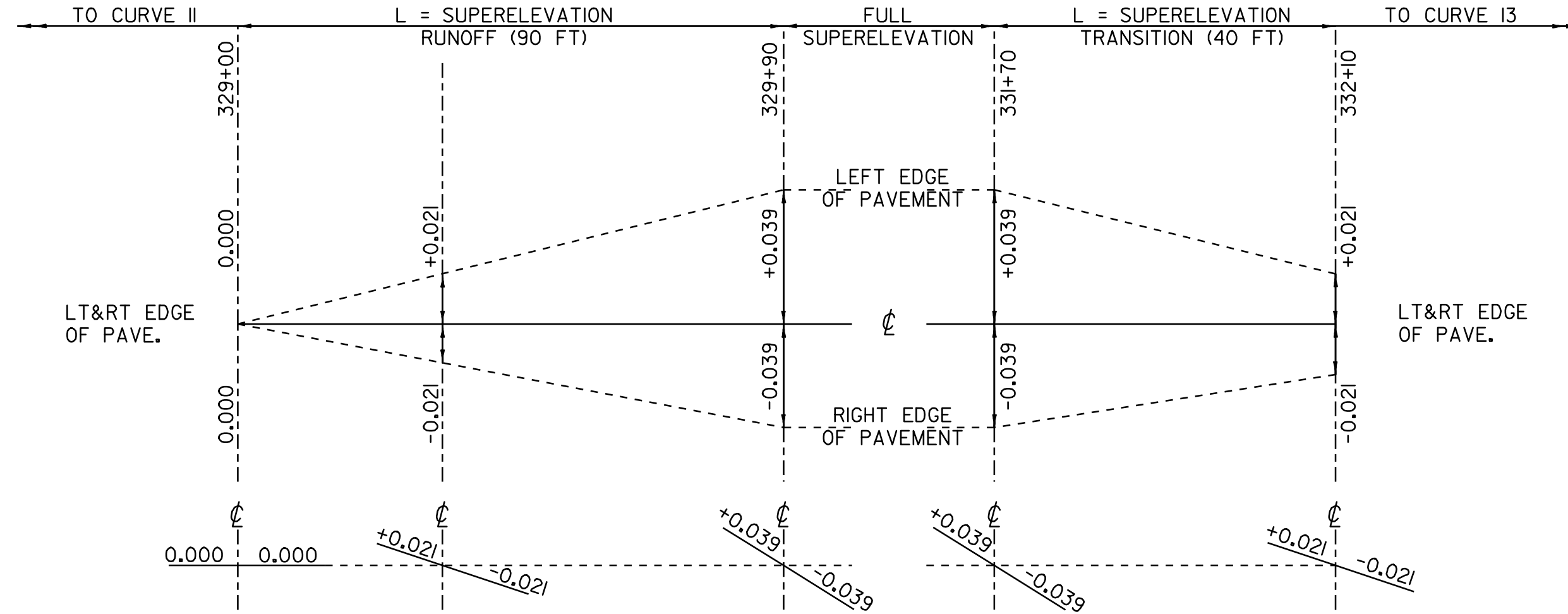
Using ASSHTO guidelines, the portion of runoff length placed on the tangent will vary from 60% to 80%. The tangent length between these two adjacent curves is too short to follow AASHTO guidelines for a 50 mph design. In an effort to meet these guidelines, a reduced design speed was used which allows for a reduced banking and transition rate between the adjacent curves.



CURVE 10

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 320+60 R = 2240 FT
PT = 323+20 V = 50 MPH



CURVE 12

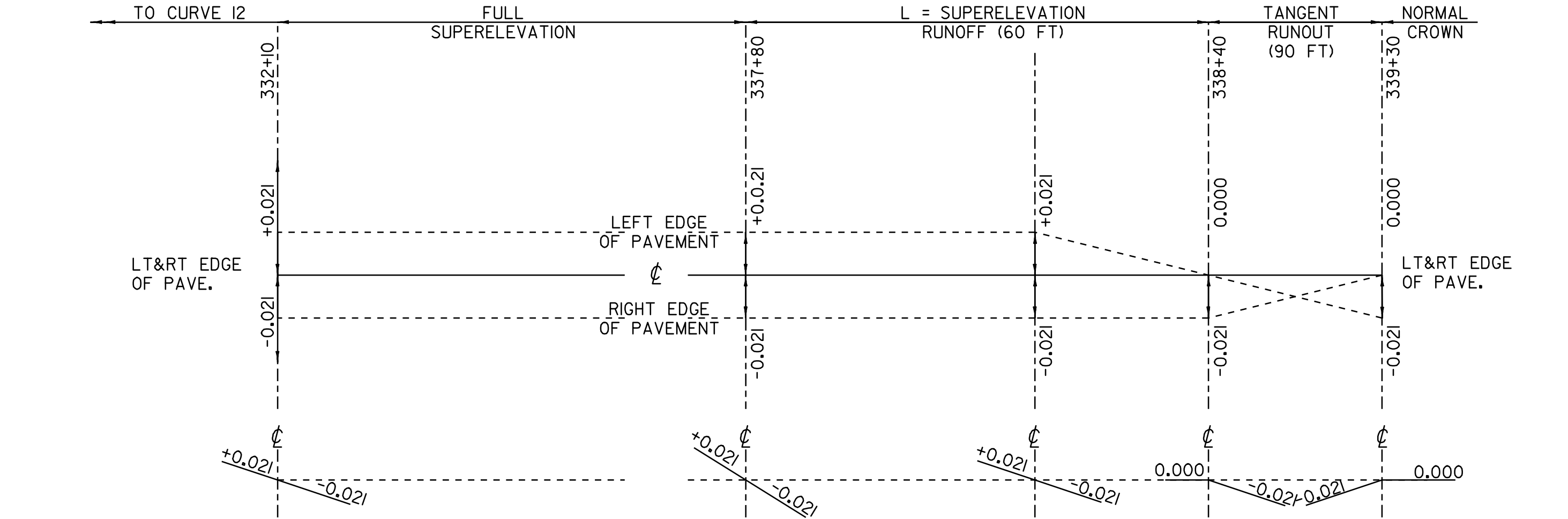
SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 329+50 R = 1820 FT
PT = 332+00 V = 40 MPH

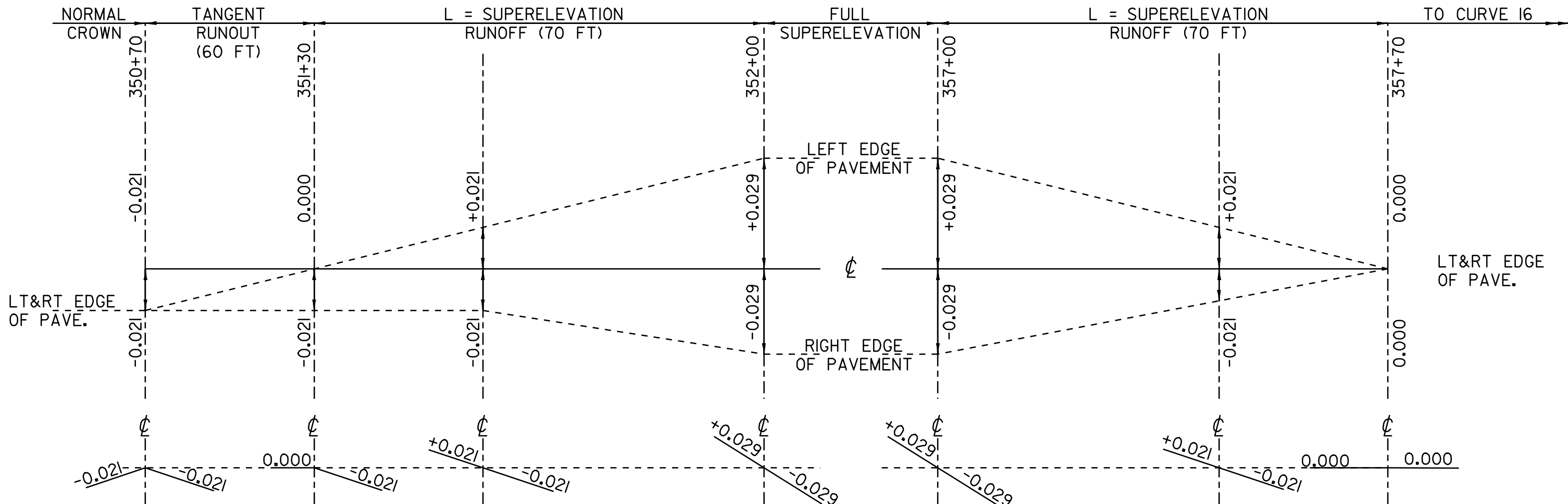
Using ASSHTO guidelines, the portion of runoff length placed on the tangent will vary from 60% to 80%. The tangent length between these two adjacent curves is too short to follow AASHTO guidelines for a 50 mph design. In an effort to meet these guidelines, a reduced design speed was used which allows for a reduced banking and transition rate between the adjacent curves.

**SUPERELEVATION
BANKING DIAGRAM
SHEET #03**

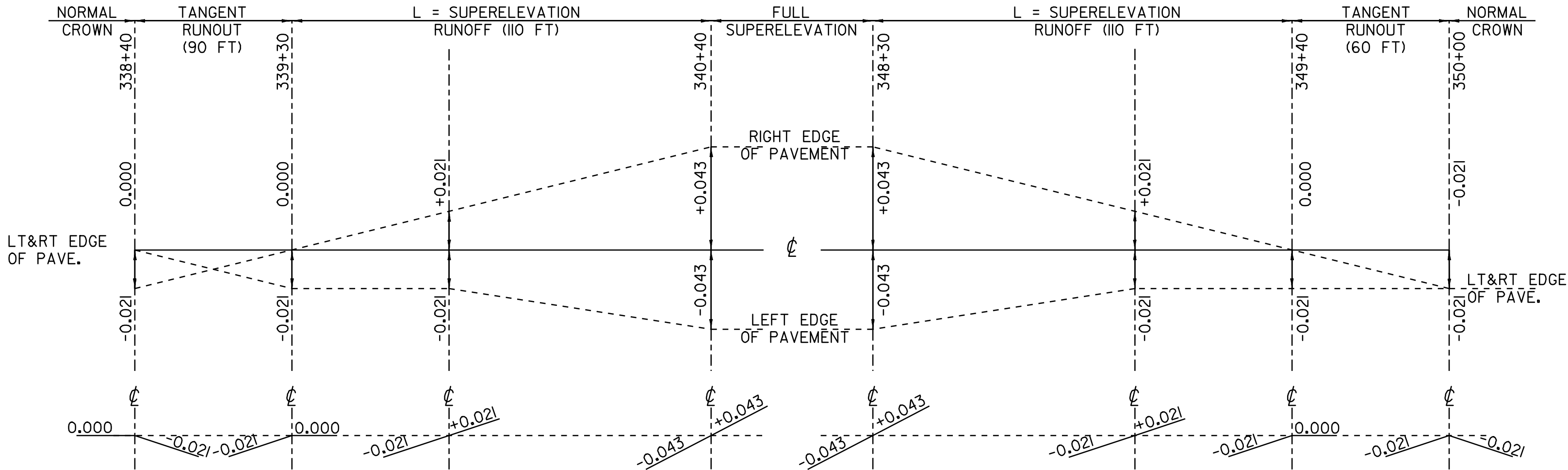
SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038d107.i	DATE PLOTTED	6 OCT-2009 17
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	76 OF 110 SHEETS		



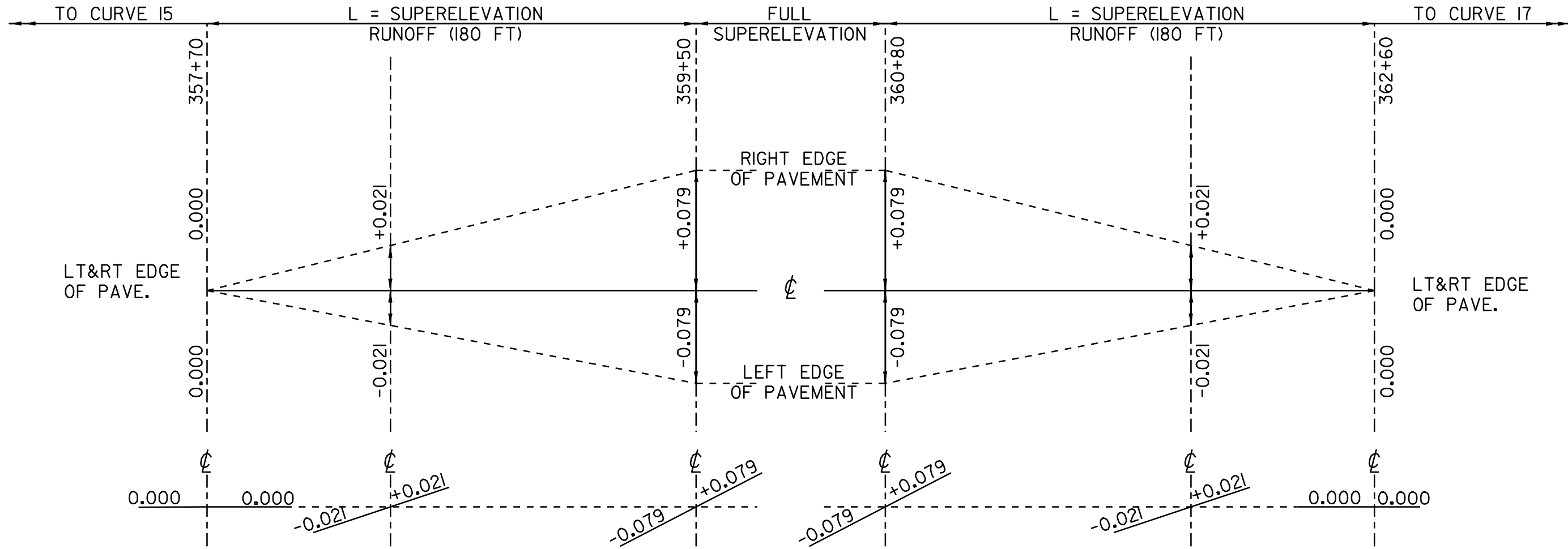
CHESTER
PC = 333+20 R = 5730 FT
PT = 338+00 V = 50 MPH



CHESTER
PC = 351+80 R = 3910 FT
PT = 357+30 V = 50 MPH



CHESTER
PC = 340+00 R = 2475 FT
PT = 348+70 V = 50 MPH

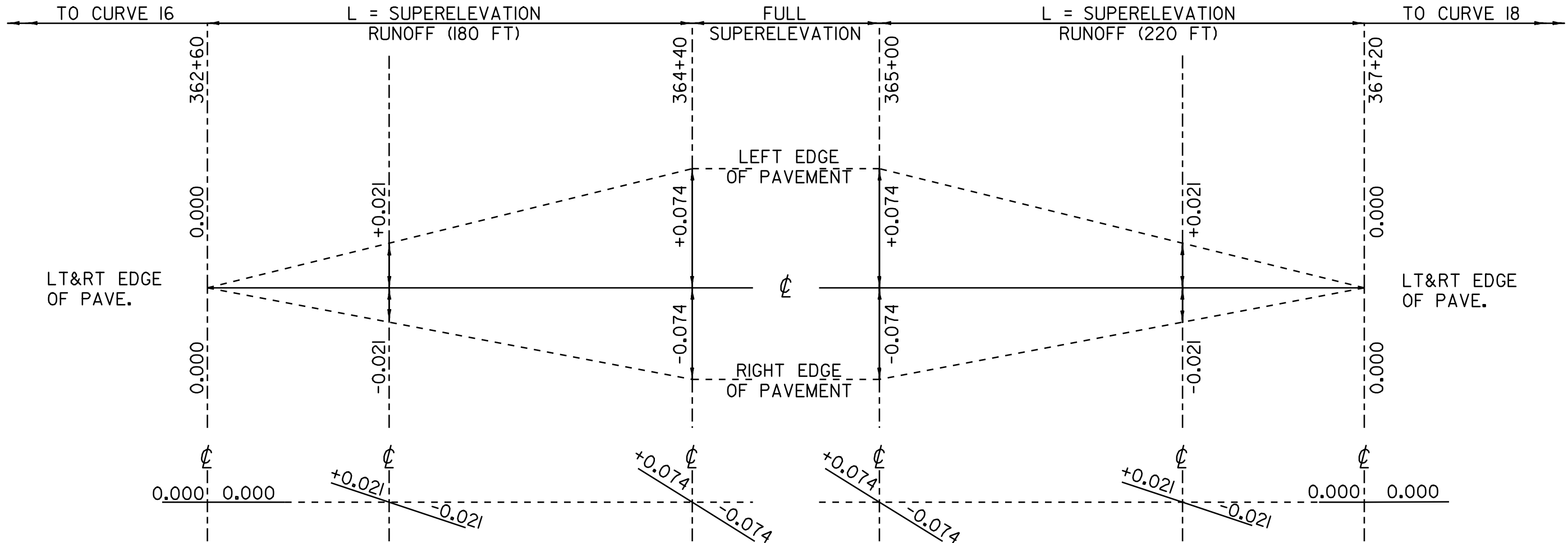


CHESTER
PC = 358+80 R = 665 FT
PT = 361+50 V = 45 MPH

Using AASHTO guidelines, the portion of runoff length placed on the tangent will vary from 60% to 80%. The tangent length between these two adjacent curves is too short to follow AASHTO guidelines for a 50 mph design. In an effort to meet these guidelines, a reduced design speed was used which allows for a reduced banking and transition rate between the adjacent curves.

**SUPERELEVATION
BANKING DIAGRAM
SHEET #04**

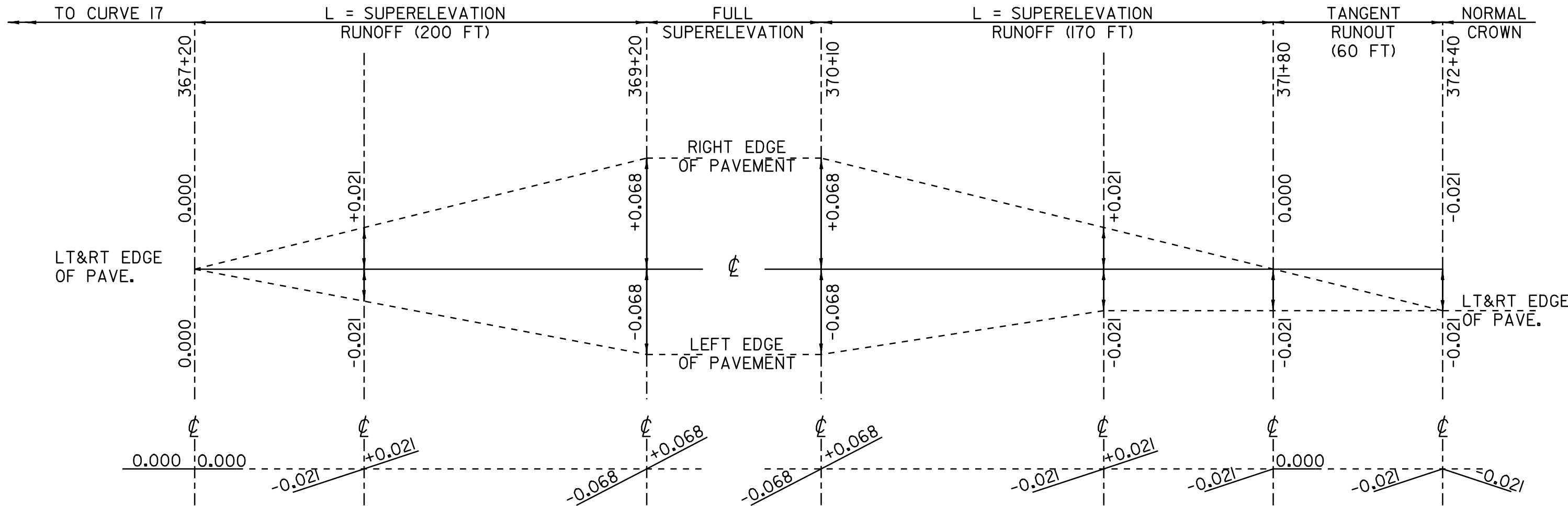
SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038d108.i	DATE PLOTTED	16-OCT-2009 17
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	77	OF	110 SHEETS



CURVE 17

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 363+80 R = 1060 FT
PT = 365+60 V = 50 MPH



CURVE 18

SUPERELEVATION DIAGRAM
NTS

CHESTER
PC = 368+60 R = 1270 FT
PT = 370+70 V = 50 MPH

**SUPERELEVATION
BANKING DIAGRAM
SHEET #5**

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038d109.i	DATE	16 OCT-2009 17:06
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	78	OF	110 SHEETS

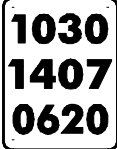
TRAFFIC SIGN SUMMARY SHEET #1

[illegible]

TRAFFIC SIGN SUMMARY SHEET #3

MILEMARKER, 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 RETAI N SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)															W-SHAPE STEEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		lb/ft	1.75	2.0							2.5	lb/ft	1.88	2.16	3.35	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5											4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	RE FO R I N S T A L L A T I O N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			1.12	2.0							3.0							1.3	1.7	1.7		7.6	9.0											10.8	14.6	24"	30"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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TRAFFIC SIGN SUMMARY SHEET #4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL			REQUIRED FRAMING	REMARKS		SIGN DETAIL		
					"A"	"B"	SALV SIGN	SALV TIS				1.12	2.0	3.0	1.75	2.0	2.5	1.88			2.16	3.35	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0				FTG. SIZE		WEIGHT
		24"	30"																																	
				lb/ft					lb/ft	lb/ft									7.6	9.0												10.8	14.6			
												OPTION ITEMS																								
STA 324+25 RT		I	30	30	6.25						I			X 15		X																				E-I51
		I	18	18	2.25																														E-I55	
STA 324+26 LT		I	24	30	5.00						I			X 13		X																			E-I41	
STA 327+36 RT		I	6	10	0.42						I		X	8	X																				E-I38	
STA 332+50 LT		I	30	30	6.25						I			X 15		X																			E-I51	
		I	18	18	2.25																														E-I55	
STA 336+15 LT	 	I	30	30	6.25						I			X 13		X																BACK TO BACK	SIGN HAD TO BE RESET DUE TO VANDALISM		E-I43 E-I38	
		I	6	10	0.42			2						X 13																						
STA 336+40 LT		I	24	30	5.00						I			X 13		X																			E-I41	
STA 337+00 RT		I	24	30	5.00						I			X 13		X																			E-I42	
STA 337+92 LT		I	6	10	0.42						I		X	8	X																			E-I38		
STA 348+48 RT		I	6	10	0.42						I		X	8	X																			E-I38		
STA 351+37 LT		I	24	30	5.00						I			X 14		X																			E-I41	
STA 359+04 LT		I	6	10	0.42						I		X	8	X																			E-I38		
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."												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB										
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TRAFFIC SIGN SUMMARY SHEET #5

[illegible]

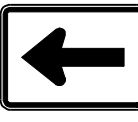
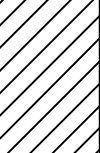
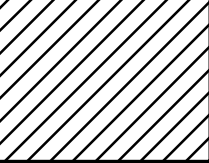
TRAFFIC SIGN SUMMARY SHEET #6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS							EXIST POST RETAIN SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL			RE- FRAMING REQUIRED	REMARKS	SIGN DETAIL						
					"A"	"B"	SALV SIGN	SALV TIS	lb/ft					lb/ft			FOUND- ATION	lb/ft			FTG. SIZE		WEIGHT	POST SIZE															
		1.12	2.0	3.0					1.75	2.0	2.5			3.0	4.0	4.0 MOD		3.0	3.5	4.0	5.0	24"			30"														
		1.12	2.0	3.0					1.88	2.16	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"			30"														
OPTION ITEMS																																							
STA 39I+53 RT		I	36	36	9.00						2			X		X 29																	E-I5I						
STA 393+53 RT									I		2			X		X 29																							
STA 395+34 RT		I	24	12	2.00						2			X		X 29														X			E-I36B						
		I	24	12	2.00																											E-I36B							
		I	30	24	5.00																												E-I36B						
		I	24	24	4.00																												E-I36B						
		I	21	15	2.19																												E-I36B						
		I	21	15	2.19																												E-I36B						
STA 397+25 RT		I	72	12	6.00						2			X		X 35																	E-I23						
		I	72	12	6.00																												E-I23						
		I	72	12	6.00																												E-I23						
		I	72	12	6.00																												E-I23						
		I	24	24	4.00																												E-I32						
		I	24	6	1.00																												E-I32						
STA 398+00 LT		I	24	30	5.00						I			X		X 14																	E-I42						
STA 398+87 RT		I	30	18	3.75						I			X		X 13																	E-I28A						
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."												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB													
					TOTALS	SF 64.13	SF	EA.	EA I			FT 150 149	FT 150				LB			EA.	LB				EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET 6				PROJECT NAME: CHESTER-LUDLOW PROJECT NUMBER: NH_2326(I)S FILE NAME: _/pave/01b038/pb038.dgn PROJECT LEADER: _CRB_ IPARM FILE NAME: _pb038ts06I_ _CLD_Q4-0396_				PL01 DATE: J6-OCT-2009 17:2 DRAWN BY: MBS CHECKED BY: NLL SHEET 84 OF 110			

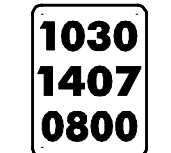
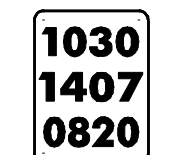
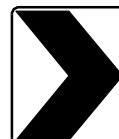
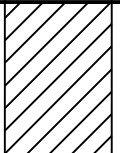
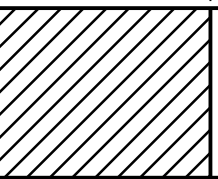
TRAFFIC SIGN SUMMARY SHEET #7

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE- FOUR- S- I- G- M- R- E- D	REMARKS	SIGN DETAIL								
					“A”	“B”	SALV SIGN	SALV TIS	RETAIN	SALVAGE		1.12	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT			POST SIZE	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER						
		lb/f+	1.88	2.16																							3.35	24"							30"					
																																				lb/f+	1.3	1.7	1.7	7.6
OPTION ITEMS																																								
STA 400+00 LT	CHESTER5	I	72	12	6.00						2			X 28		X																			E-I23					
	BELLOWS FALLS18	I	72	12	6.00																													E-I23						
STA 400+19 RT	↑ ↻ ONLY	I	30	30	6.25						I			X 14		X																		E-I45A						
STA 400+34 LT	↵ ↻	I	24	30	5.00						I			X 13		X																		E-I44						
	••••• •••••	I	18	18	2.25																													E-I50						
		I	18	18	2.25																													E-I50						
STA 401+28 LT	1030 1407 0760	I	6	10	0.42						I		X	8	X																			E-I38						
STA 401+92 LT	SOUTH	I	24	12	2.00						I			X 15		X																		E-I36B						
	VERMONT 103	I	30	24	5.00																													E-I36B						
STA 402+13 RT	NORTH EAST	I	24	12	2.00						2			X 31		X																X		E-I36B						
	VERMONT 103 VERMONT 10	I	30	24	5.00																													E-I36B						
	↖ →	I	21	15	2.19																													E-I36B						
	1030 1407 0762	I	6	10	0.42																													E-I38						
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."											FT	FT 15	FT 105	FT 15	FT 105	FT		EA	LB	LB	LB		LB	LB	LB	LB														
					TOTALS	SF 52.97	SF	EA.	EA		FT 120	109	FT 120				LB				EA.	LB				EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET 7				PROJECT NAME: CHESTER-LUDLOW PROJECT NUMBER: NH_2326(I)S FILE NAME: _/pave/01b038/pb038.dgn PROJECT LEADER: _CRB IPARM FILE NAME: _pb038ts07J _CLD_Q4-0396				PLOT DATE: J6-OCT-2009 17:2 DRAWN BY: MRS CHECKED BY: NULL SHEET 85 OF 110			

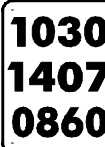
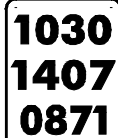
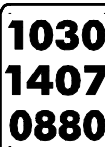
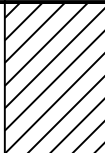
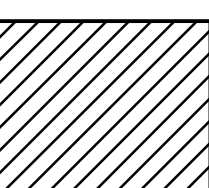
TRAFFIC SIGN SUMMARY SHEET #8

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in)				ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			REQUIREMENTS	REMARKS	SIGN DETAIL				
					"A"	"B"	SALV SIGN	SALV TIS				lb/ft	1.75	2.0	2.5	lb/ft	3.0	4.0			4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE							
		1.12	2.0	3.0					1.88	2.16			3.35	1.3	1.7		1.7	7.6	9.0	10.8	14.6		24"	30"													
		EA	WIDTH (in)	HEIGHT (in)																																	
OPTION ITEMS																																					
STA 403+10 RT		I	24	30	5.00						I			X 13		X																		E-I44			
	 	I I	18 18	18 18	2.25 2.25 2.25																									BACK TO BACK REPLACED (I) HIT BY CAR		E-I50 E-I50					
STA 403+47 LT		I	48	24	8.00						2			X 28		X																	E-I52				
STA 403+84 RT		I	24	30	5.00						I			X 13		X																	E-I44				
	 	I I	18 18	18 18	2.25 2.25																									BACK TO BACK		E-I50 E-I50					
STA 404+18 LT	 	I I	24 24	12 12	2.00 2.00						2			X 31		X														X			E-I36B E-I36B				
	 	I I	24 30	24 24	4.00 5.00																												E-I36B E-I36B				
	 	I I	21 21	15 15	2.19 2.19																												E-I36B E-I36B				
STA 404+57 RT	 36" x 36" x 36"				3.90						I			X 14		X																	E-I46				
STA 404+98 LT		I	30	30	6.25						I			X 14		X																	E-I45A				
STA 407+30 RT		I	24	30	5.00						I			X 13		X																	E-I44				
	 	I I	18 18	18 18	2.25 2.25																									BACK TO BACK		E-I50 E-I50					
STA 409+05 RT		I	24	12	2.00						I			X 15		X																	E-I36B				
		I	30	24	5.00																												E-I36B				
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."												FT	FT	FT 150	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB								TRAFFIC SIGN SUMMARY SHEET 8	PROJECT NAME: CHESTER-LUDLOW PROJECT NUMBER: NH_2326(I)S	
TOTALS					SF 71.03 73.28	SF	EA.	EA		FT 150 141	FT 150				LB				EA.	LB				EA.	EA.	LB	FILE NAME: _/pave/01b038/pb038.dgn PROJECT LEADER: _CRB IPARM FILE NAME: _pb038ts08J _CLD_04-0396		PLOT DATE: J6-OCT-2009 17:2 DRAWN BY: MRS CHECKED BY: NULL SHEET 86 OF 110								

TRAFFIC SIGN SUMMARY SHEET #10

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL			RE- FRAMING REQUIRED	REMARKS		SIGN DETAIL								
					"A"	"B"	SALV SIGN	SALV TIS			1.12	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE							
		lb/ft		lb/ft																							24"		30"										
		1.12	2.0	3.0																							1.88		2.16	3.35			1.3	1.7	1.7	7.6	9.0	10.8	14.6
OPTION ITEMS																																							
STA 422+23 RT		I	36	36	9.00						2			X 31		X																	E-I54						
STA 422+40 LT		I	30	18	3.75						1			X 14		X																	E-I28A						
		I	6	10	0.42																												E-I38						
STA 427+15 RT		I	36	36	9.00						2			X 28		X															106								
STA 432+96 RT		I	6	10	0.42						1		X	8	X																		E-I38						
STA 434+90 RT		I	30	30	6.25						1			X 16		X																	E-I51						
STA 438+39 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 438+40 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 439+41 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 439+42 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 440+37 LT		I	36	36	9.00						2			X 28		X																	E-I54						
STA 440+46 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 440+47 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 441+52 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 441+53 RT		I	24	30	5.00						1			X 14		X														ASTM TYPE IX FLUORESCENT YELLOW SHEETING		E-I50							
STA 443+19 LT		I	12	36	3.00						1			X 11		X																	E-I07						
STA 443+60 RT		I	6	8	0.33						1		X	8	X																	E-I34							
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."												FT	FT 30	FT 255	FT 30	FT 255	FT		EA	LB	LB	LB		LB	LB	LB	LB								TRAFFIC SIGN SUMMARY SHEET 10	PROJECT NAME: CHESTER-LUDLOW PROJECT NUMBER: NH_2326(1)S FILE NAME: _/pave/01b038/pb038.dgn PROJECT LEADER: _CRB_ IPARM FILE NAME: _pb038ts10.L CLD_04-0396		PLOT DATE: J6-OCT-2009 17:2 DRAWN BY: MRS CHECKED BY: _NLL_ SHEET 88 OF 110	
TOTALS					SF 81.17	SF	EA.	EA		FT 285	256	FT 285		LB				EA.	LB				EA.	EA.	LB														

TRAFFIC SIGN SUMMARY SHEET #11

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS										REMARKS										SIGN DETAIL																																				
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)												TUBULAR STEEL Ø (In)				W-SHAPE STEEL				R E Q U I R E D F R A M E D	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																										
		lb/ft	1.75	2.0								2.5	ANCHOR	S L E E V E	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5											4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE																															
			1.12	2.0								3.0			1.88	2.16	3.35		1.3	1.7											1.7	7.6	9.0	10.8			14.6	24"				30"																									
			OPTION ITEMS																																																																
STA 443+77 RT		I	12	36	3.00						I			X 11		X																		E-II0																																	
STA 447+IILT		I	12	36	3.00						I			X 11		X																	E-II0																																		
STA 447+25 LT		I	6	8	0.33						I		X	8	X																		E-I34																																		
STA 447+69 RT		I	12	36	3.00						I			X 11		X																	E-II0																																		
STA 449+52 LT		I	30	30	6.25						I			X 16		X																	E-I51																																		
STA 451+97 RT									I		2			X 29		X																																																			
STA 454+04 LT		I	36	36	9.00						2			X 31		X															106																																				
		I	6	10	0.42																												E-I38																																		
STA 459+70 RT		I	24	30	5.00						I			X 14		X																	E-I41																																		
STA 460+46 RT								I			I			X 13		X													SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 1.0' FROM AND PERPENDICULAR TO TOP OF STOP SIGN.																																						
	 	I	30	30	6.25																								BACK TO BACK			E-I43																																			
		I	6	10	0.42																											E-I38																																			
STA 462+50 RT		I	24	30	5.00						I			X 14		X																	E-I42																																		
STA 464+64 RT		I	6	10	0.42						I		X	8	X																		E-I38																																		
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."												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB			LB	LB	LB	LB																																							
TOTALS					SF	42.09	SF		EA.	I	EA	I		FT	~~195~~ 166	FT	~~195~~			LB				EA.		LB			EA.	EA.	LB																																				
TRAFFIC SIGN SUMMARY SHEET 11																												PROJECT NAME: <u>CHESTER-LUDLOW</u>				PROJECT NUMBER: <u>NH_2326(I)S</u>				FILE NAME: <u>_pave/01b038/pb038.dgn</u>				PLOT DATE: <u>J6-QCT-2009 17:2</u>				PROJECT LEADER: <u>CRB</u>				DRAWN BY: <u>MRS</u>				IPARM FILE NAME: <u>_pb038tsll</u>				CHECKED BY: <u>NLL</u>				<u>CLD_04-0396</u>				SHEET <u>89</u> OF <u>110</u>			

TRAFFIC SIGN SUMMARY SHEET #13

[illegible]

TRAFFIC SIGN SUMMARY SHEET #15

[illegible]

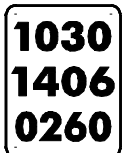
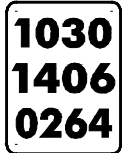
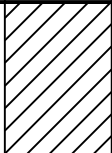
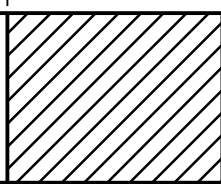
TRAFFIC SIGN SUMMARY SHEET #16

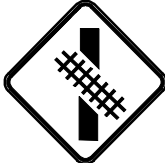
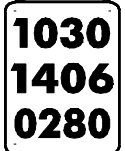
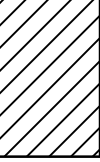
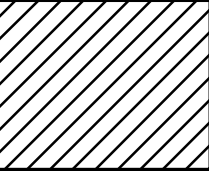
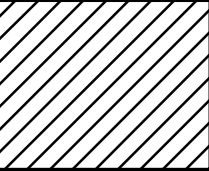
[illegible]

TRAFFIC SIGN SUMMARY SHEET #18

[illegible]

TRAFFIC SIGN SUMMARY SHEET #19

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS								REMARKS										SIGN DETAIL															
					“A”	“B”	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)														TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				REQUIRED FRAME	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
		lb/ft										1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0											4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE						
		1.12	2.0	3.0								1.88	2.16	3.35			1.3	1.7											1.7		7.6	9.0	10.8	14.6	24"	30"								
OPTION ITEMS																																												
STA C I33+04 RT		I	12	36	3.00						I			X II		X																		E-I10										
STA C I33+04 LT		I	12	36	3.00						I			X II		X																	E-I10											
STA C I33+10 LT		I	6	8	0.33						I		X	8	X																		E-I34											
STA C I35+17 LT		I	36	36	9.00						2			X 3I		X																	E-I54											
STA C I37+28 LT		I	6	10	0.42						I		X	9	X																		E-I38											
STA C I39+30 RT		I	21	15	2.19						I			X I5		X																	E-I36B											
		I	24	12	2.00																										106													
		I	30	24	5.00																												E-I36B											
								I																																				
STA C I41+52 RT		I			7.07						2			X I5		X																	E-I90											
STA C I42+86 RT								I			2			X 3I		X																												
								+																																				
STA C I44+00 LT		I	24	30	5.00						I			X I4		X																	E-I42											
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."												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB																	
TOTALS					SF	37.01	SF		EA.	I			FT	~~-180-~~	145		FT	~~-180-~~			LB			EA.		LB		EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET 19													
					PROJECT NAME: <u>CHESTER-LUDLOW</u>								PROJECT NUMBER: <u>NH_2326(I)S</u>								FILE NAME: <u>_pave/01b038/pb038.dgn</u>								PLOT DATE: <u>J6-OCT-2009 17:2</u>															
																					PROJECT LEADER: <u>CRB</u>								DRAWN BY: <u>MBS</u>															
																					IPARM FILE NAME: <u>_pb038ts19.l</u>								CHECKED BY: <u>NLL</u>															
																													CLD_04-0396								SHEET <u>97</u> OF <u>110</u>							

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET #20																														
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL						
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL			RE QU I R E D S I G N M E T E R	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
		lb/ft										1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE			WEIGHT				POST SIZE		
		1.12	2.0	3.0								1.88	2.16	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"								
OPTION ITEMS																																		
STA C I44+51RT		I	30	30	6.25 ~~6.00~~						I			X 16		X																W10-12		
STA C I46+00 LT		I	72	12	6.00						2			X 30		X																	E-123	
		I	72	12	6.00																												E-123	
STA C I46+15 RT		I	72	12	6.00						2			X 31		X																	E-123	
		I	72	12	6.00																												E-123	
		I	72	12	6.00																												E-123	
		I	72	12	6.00																												E-123	
STA C I47+72 RT		2	48	9	~~6.00~~																										RETAINED SIGN MOUNT ON RAILROAD CROSSING LIGHT POLE		E-190	
STA C I47+84 LT		I	24	12	2.00						I			X 15		X																	E-136B	
		I	30	24	5.00																												E-136B	
		I	6	10	0.42																												E-138	
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."												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB							
												FT			FT				LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET 20			PROJECT NAME: <u>CHESTER-LUDLOW</u> PROJECT NUMBER: <u>NH_2326(I)S</u> FILE NAME: <u>_Zp9ye/Qlb038/pb038.dgn</u> PLOT DATE: <u>J6-QCT-2009 17:2</u> PROJECT LEADER: <u>CRB</u> DRAWN BY: <u>MBS</u> IPARM FILE NAME: <u>_pb038ts20J</u> CHECKED BY: <u>NLL</u> <u>CLD_04-0396</u> SHEET <u>98</u> OF <u>110</u>		
TOTALS					SF	SF	EA.	EA.		FT	FT			FT			LB			EA.	LB			EA.	EA.	LB								
					~~55.42~~ 49.67							~~90~~ 92			~~90~~																			

TRAFFIC SIGN SUMMARY SHEET #22

[illegible]

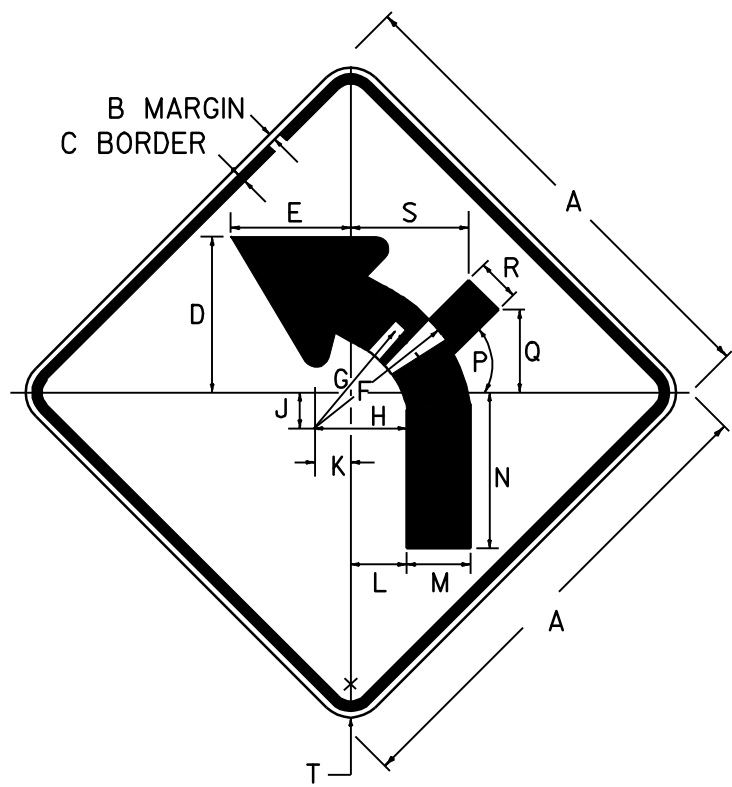
TRAFFIC SIGN SUMMARY SHEET #23

[illegible]

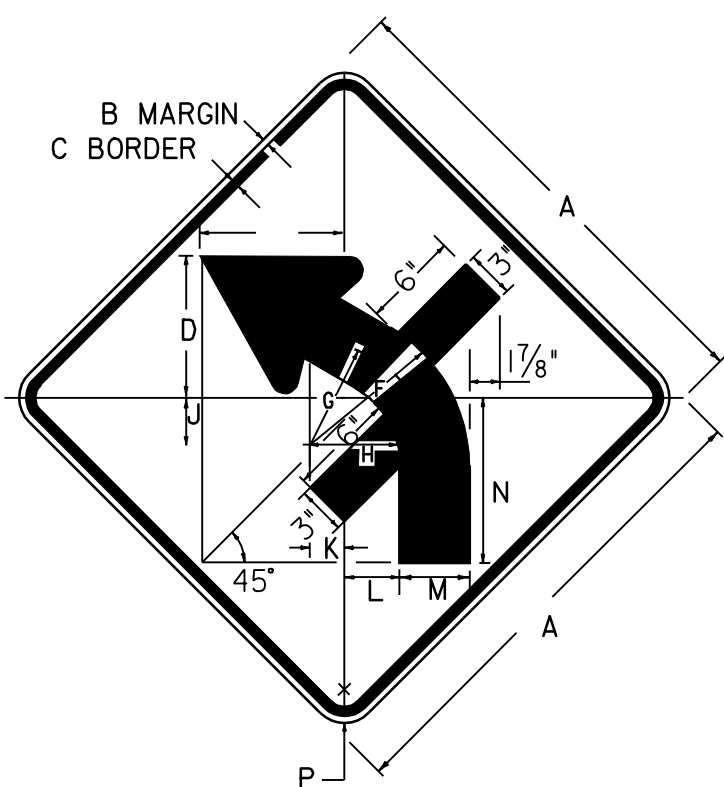
STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET #26																																	
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL							
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)				TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL				RE QUI RE D	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER					
		lb/ft										1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE									
		1.12	2.0	3.0								1.88	2.16	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"											
OPTION ITEMS																																					
STA L 51+06 LT	1030 1410 0097	I	6	10	0.42					I																							BACK TO BACK W/STOP SIGN, RETAIN POST		E-138		
STA L 51+53 LT	LEGAL LOAD LIMIT 24,000 POUNDS	I	24	30	5.00						I			X 14		X																		E-141			
STA L 52+80 RT	1030 1410 0100	I	6	10	0.42						I		X	8	X																			E-138			
STA L 54+78 RT	LEGAL LOAD LIMIT 24,000 POUNDS	I	24	30	5.00						I			X 14		X																		E-141			
STA L 55+04 RT	1030 1410 0104	I	6	10	0.42					I																						BACK TO BACK W/STOP SIGN, RETAIN POST		E-138			
STA L 56+38 RT	TIS										I			X 32		X																					
	TIS										I																										
	TIS										I																										
STA L 59+78 LT	TIS										I			X 28		X																					
STA L 63+36 LT	1030 1410 0120	I	6	10	0.42						I		X	9	X																			E-138			
STA L 63+36 RT	1030 1410 0120	I	6	10	0.42						2																					W/RETAIN SIGN AND POST		E-138			
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."												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB										
												FT			FT					LB			EA	LB			EA	EA	LB	TRAFFIC SIGN SUMMARY SHEET 26				PROJECT NAME: CHESTER-LUDLOW PROJECT NUMBER: NH_2326(I)S FILE NAME: _/p038/pb038.dgn PROJECT LEADER: CRB IPARM FILE NAME: _pb038ts26J _CLD_04-0396 PL01 DATE: J6-QCT-2009 17:2 DRAWN BY: MRS CHECKED BY: NJL SHEET 104 OF 110			
TOTALS					SF 12.10	SF	EA.	EA 4				FT 120.105			FT 120					LB			EA.	LB			EA.	EA.	LB								

TRAFFIC SIGN SUMMARY SHEET #27

[illegible]

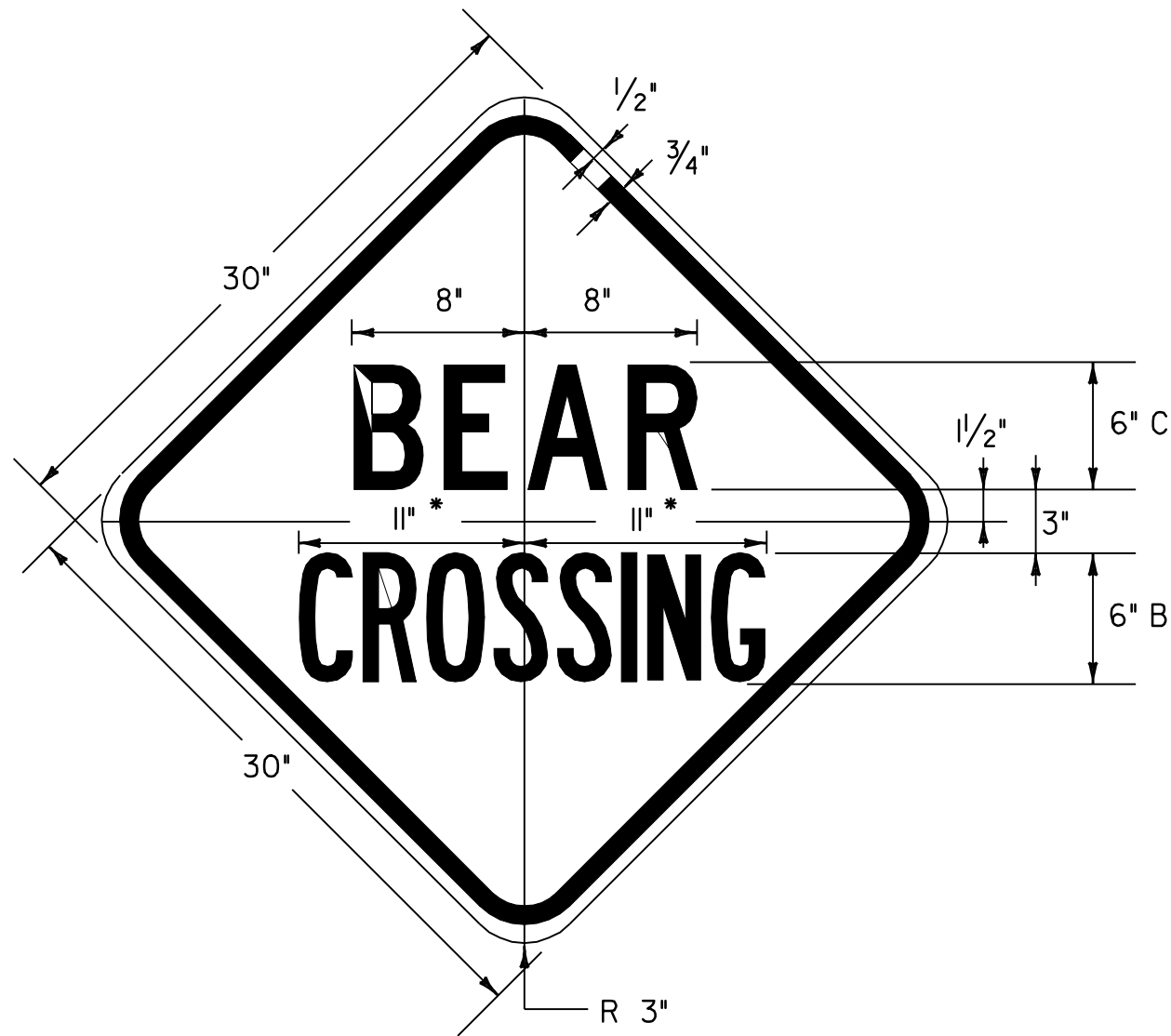


WI-10L



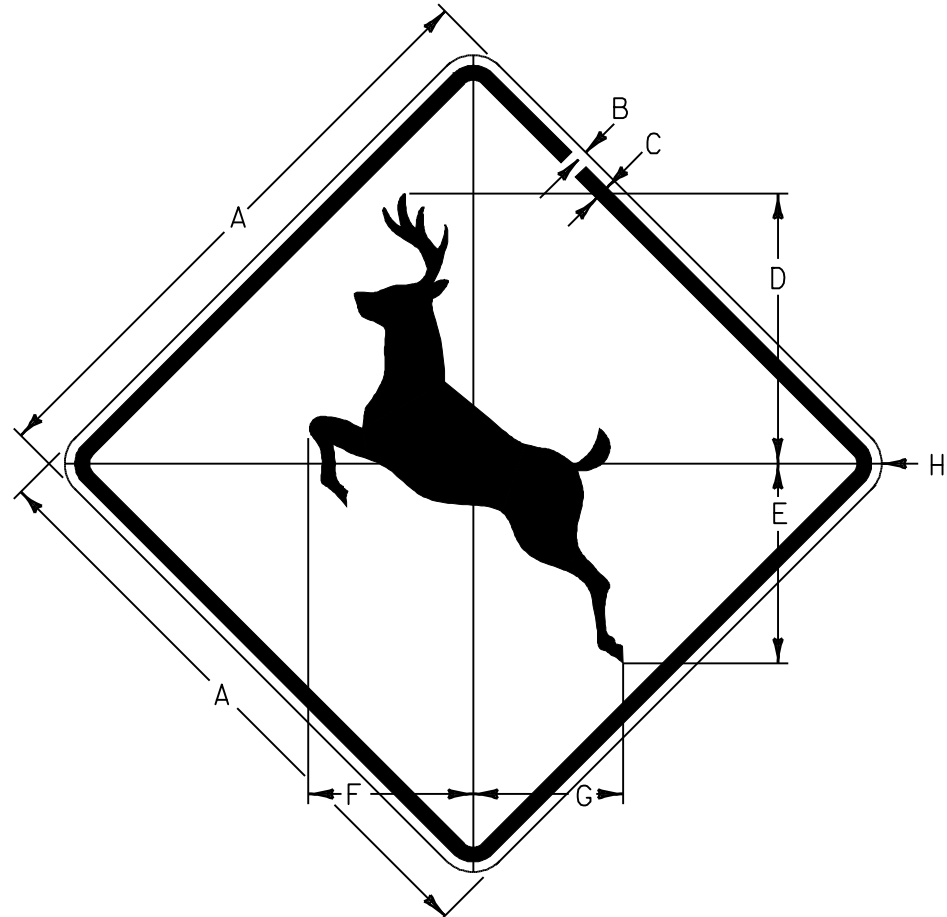
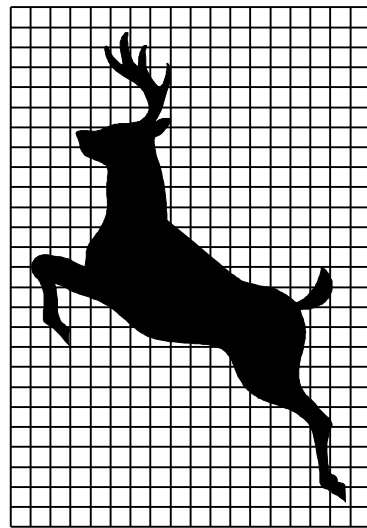
WI-2Mk L

* When using a 36" sign side road widths shall be 35 5/8".
All other dimensions shall be scaled appropriately.



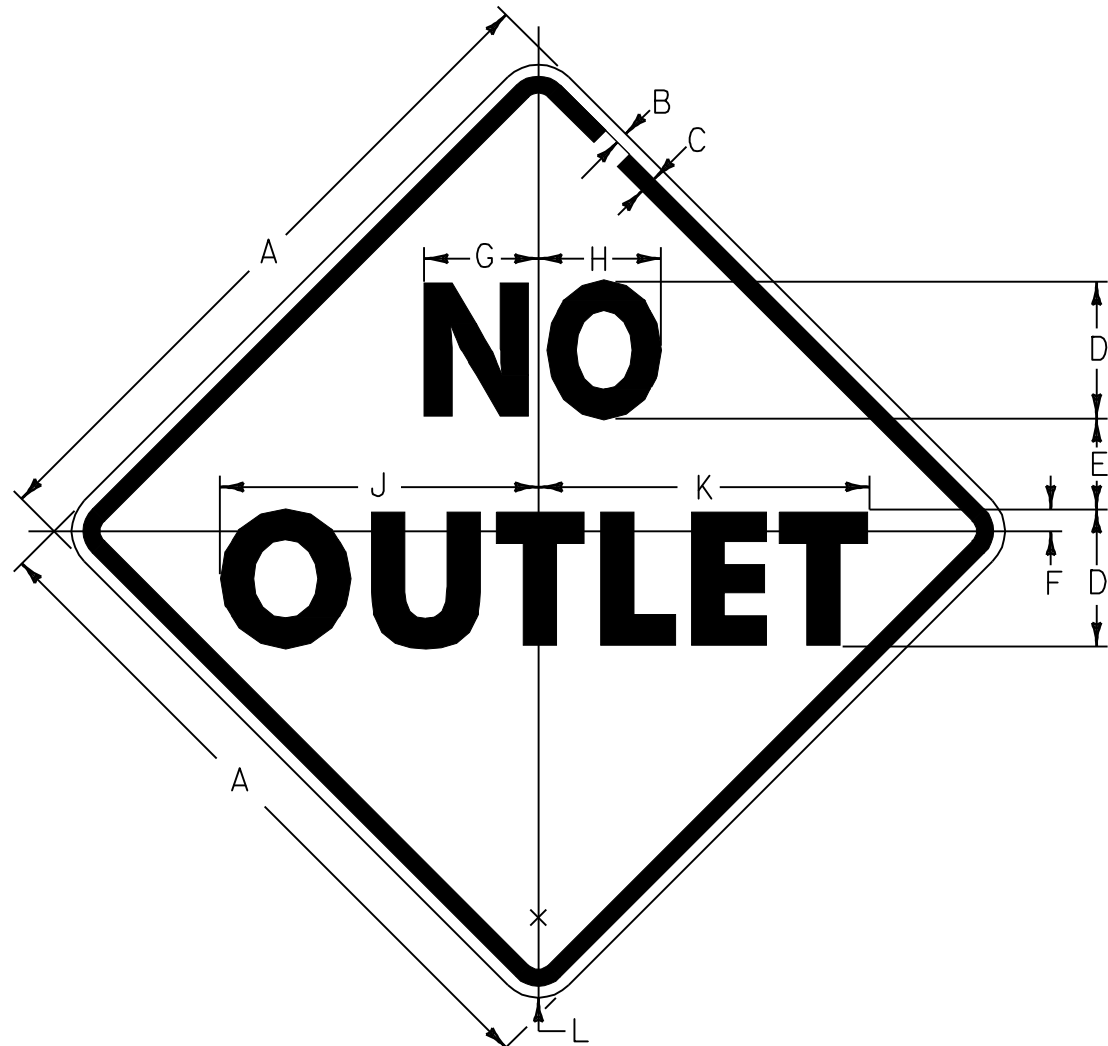
VW-050

* REDUCE SPACING 50%



W11-3
COLORS:
BLACK SYMBOL & BORDR
WITH REFL. YELLOW BACKGROUND

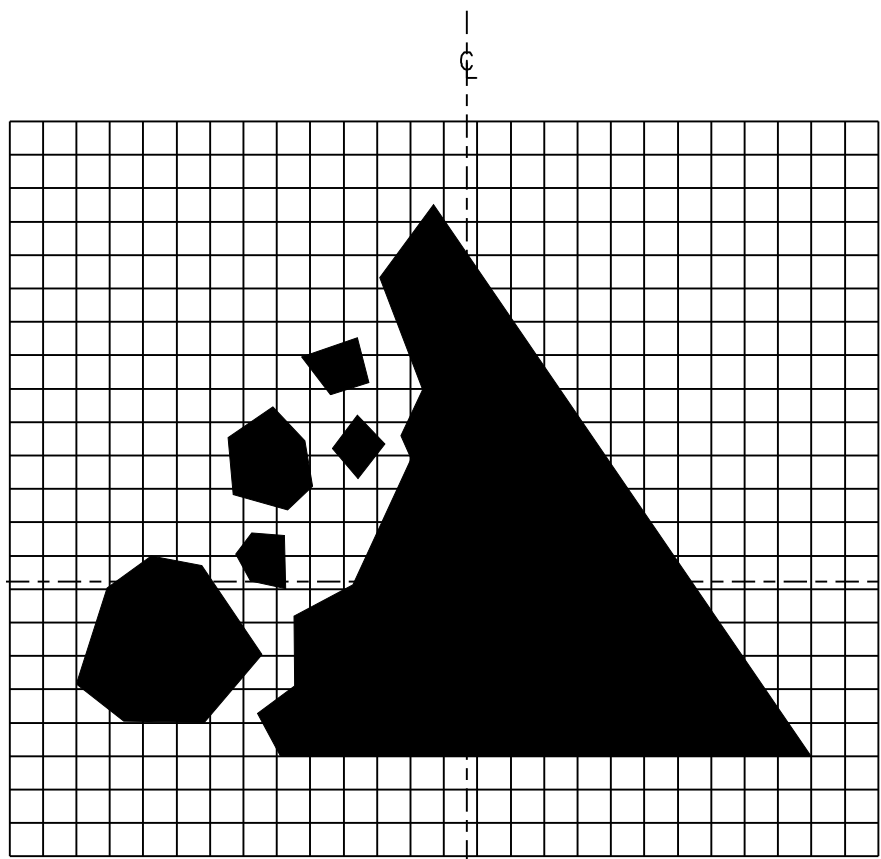
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
MIN	24	3/8	5/8	10 5/8	7 7/8	6 1/2	5 1/8	1 1/2
STD	30	1/2	3/4	13 1/2	10	8 1/4	7 1/2	1 7/8
EXPWY	36	5/8	7/8	16 1/4	12	9 7/8	9	2 1/4
SPECIAL	48	3/4	1 1/4	21 1/4	15 3/4	13	11 3/4	3



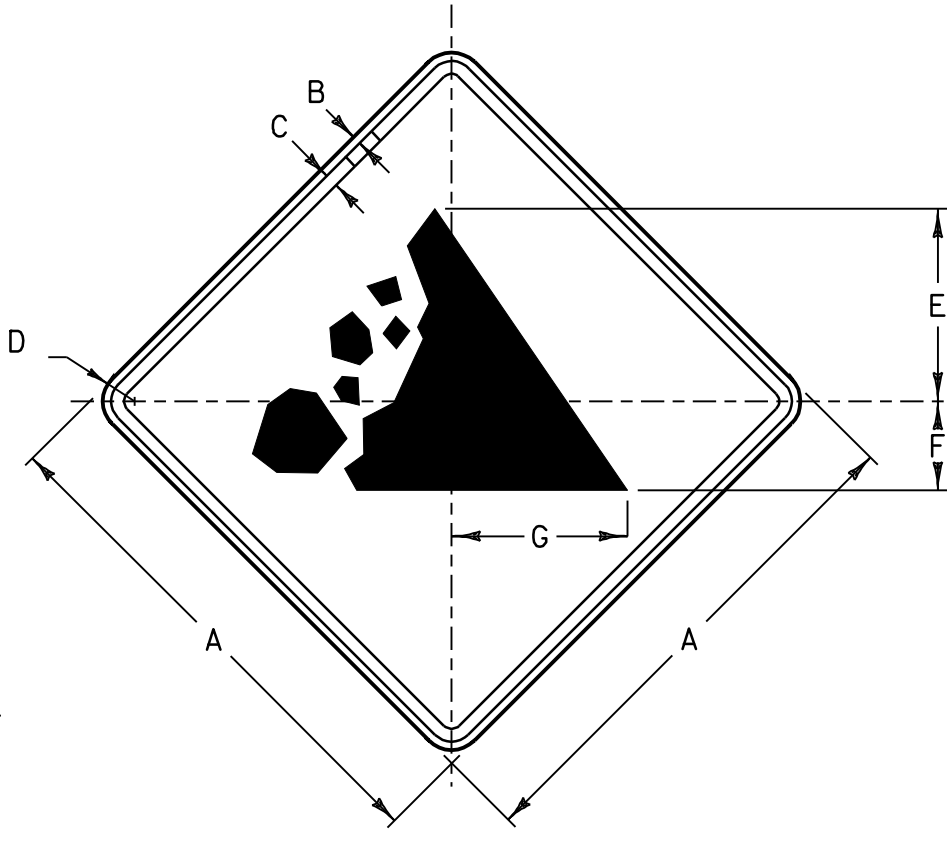
W14-2

SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
MIN.	24	3/8	5/8	5D	3	3/4	4 1/8	4 1/2	11 5/8	12 1/16	1 1/2
STD.	30	1/2	3/4	6D	4	15/16	5	5 3/8	13 15/16	14 1/2	1 7/8
SPEC.	36	5/8	7/8	7D	5	1 1/8	5 7/8	6 1/4	16 1/4	16 5/16	2 1/4

COLORS
LEGEND - BLACK (NON-REFL)
BACKGROUND - YELLOW (REFL)



1 SQUARE = 1"



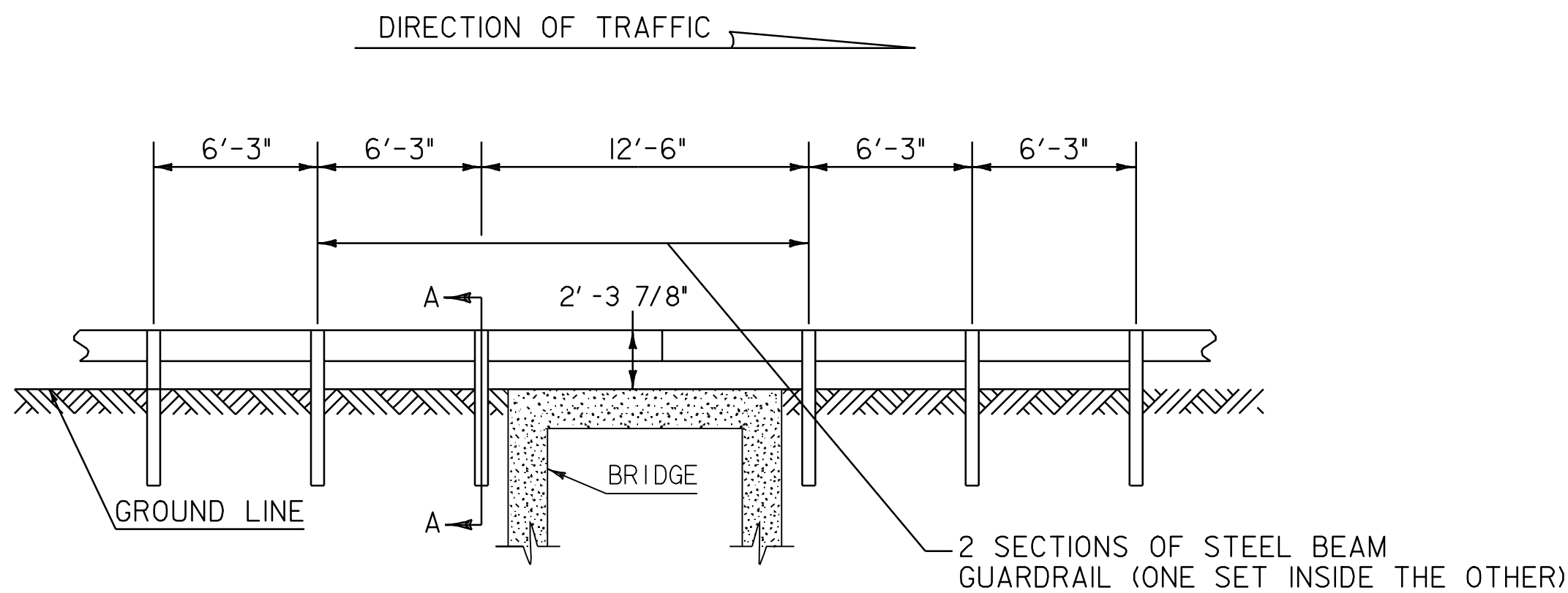
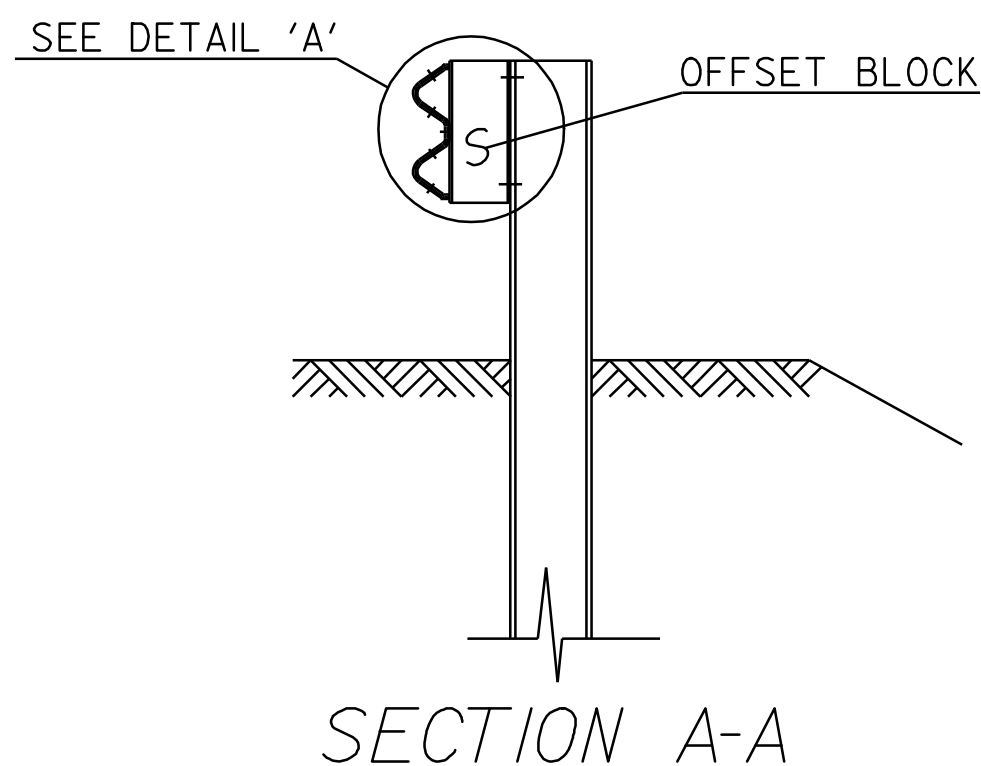
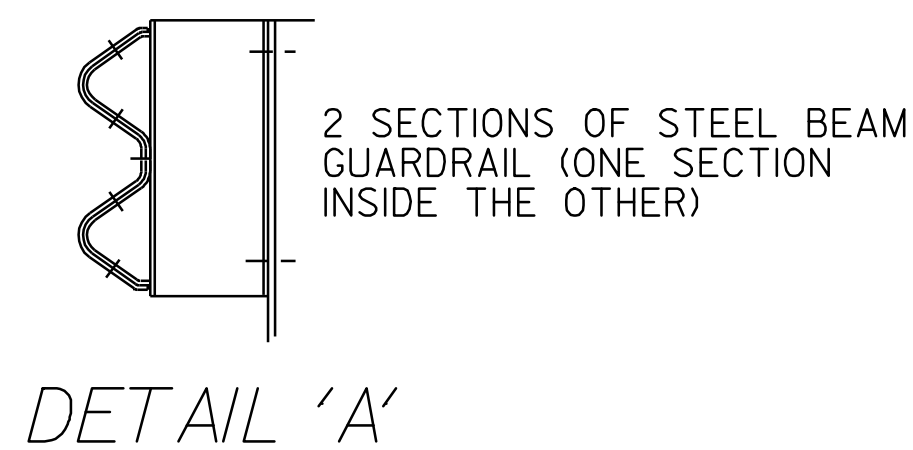
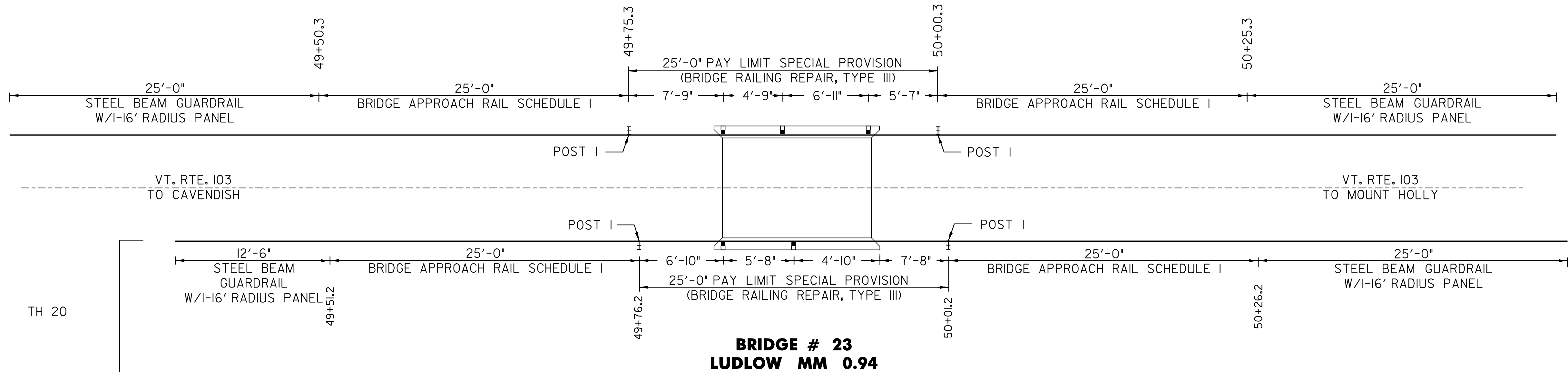
VW-285
COLORS
TEXT AND BORDER - BLACK (NON-REFL.)
BACKGROUND - YELLOW (REFL.)

SIGN	DIMENSIONS (INCHES)						
	A	B	C	D	E	F	G
STD.	30	1/2	3/4	1 1/2	11/4	5/4	10 5/16
SPECIAL	48	3/4	1 1/4	3	18	8 5/8	16 1/2

DATUM
VERTICAL _____ N/A
HORIZONTAL _____ N/A

SIGN DETAIL SHEET

SURVEYED BY _____ CLD _____ DATE 1/05
DRAWN BY _____ NLL _____ DATE 5/05
SQUAD LEADER _____ CRB _____
DESIGN FILE NO. /pave/01b038/pb038.dgn
IPARM _____ DATE _____
FILE pb038d101.i PLOT OCT-2009 17
PROJ. NAME CHESTER - LUDLOW
PROJ. NO. NH 2326(1)S
SHEET 106 OF 110 SHEETS



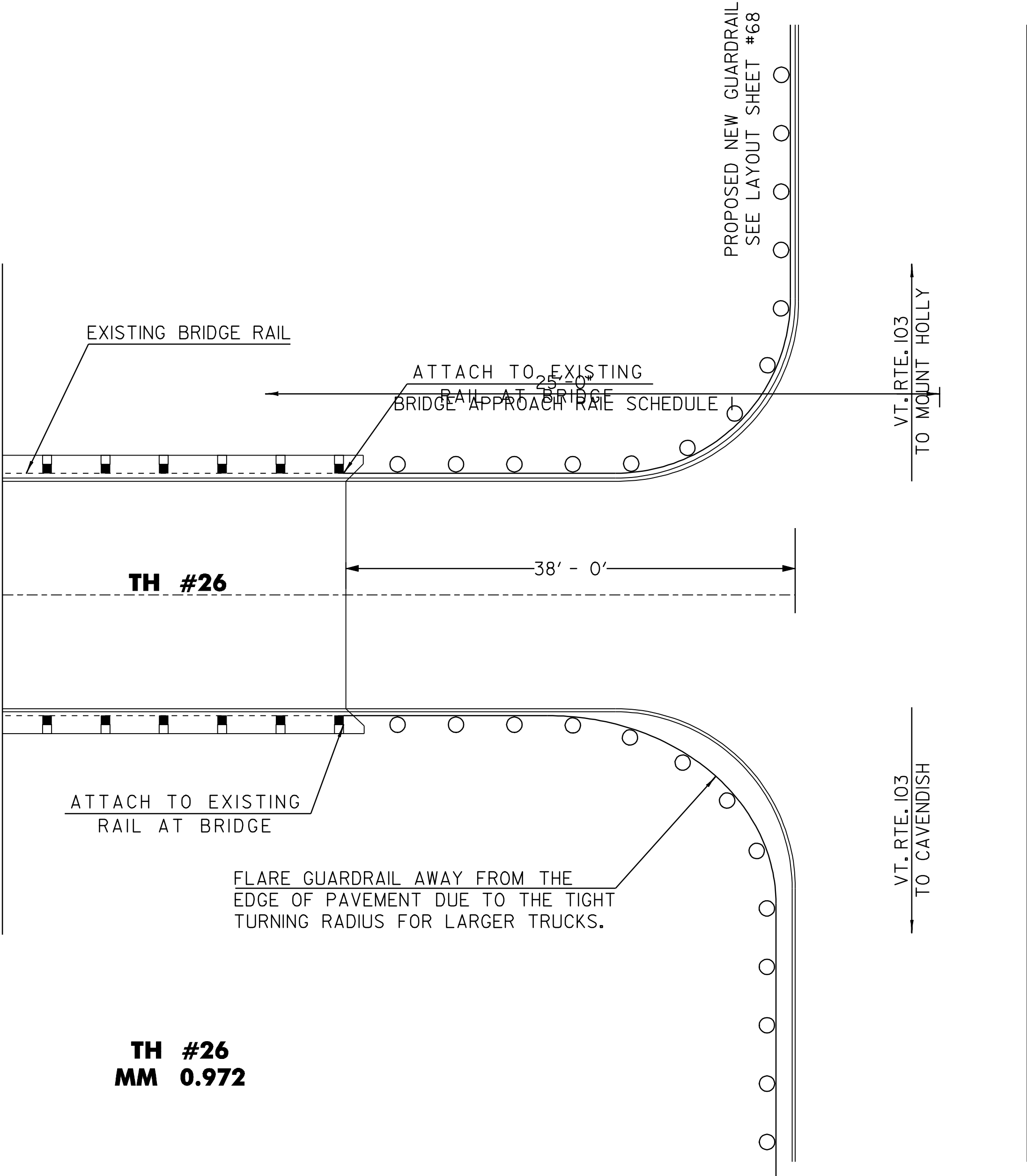
NOTES

1. SEE STANDARD G-I & G-ID FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SHEET OR AS DIRECTED BY THE ENGINEER.
3. THIS WORK SHALL BE PAID FOR AS STEEL BEAM GUARDRAIL, GALVANIZED AT A PAY FACTOR OF 1.0.
4. REMOVAL OF CONCRETE CENTER POST IS PAID UNDER ITEM 529.25, REMOVAL OF CONCRETE OR MASONRY

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

BRIDGE DETAIL SHEET 2

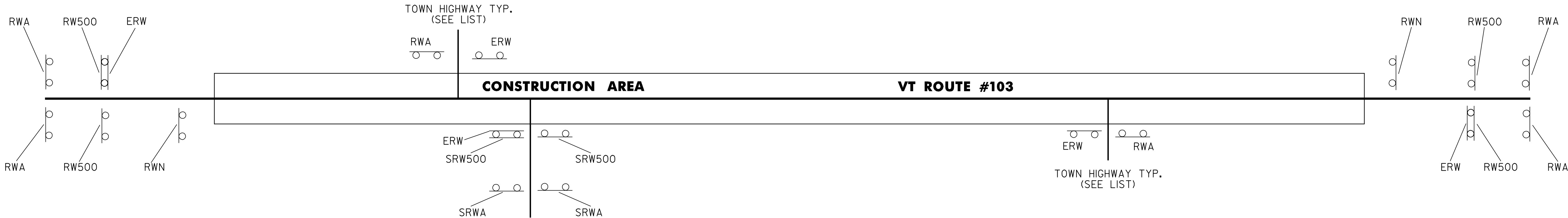
SURVEYED BY	CLD	DATE	1/05
DRAWN BY	NLL	DATE	5/05
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038bd02.i	DATE PLOTTED	6 OCT-2009 17
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	108	OF	110 SHEETS



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

BRIDGE
DETAIL
SHEET 3

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	MRS	DATE	7/06
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038bd03.i	DATE PLOTTED	16-OCT-2009 17
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	109	OF	110 SHEETS



CONSTRUCTION APPROACH SIGNING

NOT TO SCALE

SEE STANDARD E-100 AND E-100A FOR SIGN PLACEMENT.

NOTE:

- 1. WHEN DIRECTED BY THE RESIDENT ENGINEER, "NO OUTLET" SIDE ROADS WILL NOT REQUIRE CONSTRUCTION SIGNING.
- 2. PAYMENT FOR CONSTRUCTION APPROACH SIGNING WILL BE MADE UNDER ITEM 641.10, TRAFFIC CONTROL.

LIST OF TOWN/STATE HIGHWAYS FOR CONSTRUCTION SIGNS

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500'	ROAD WORK NEXT 11 MILES	SIDE ROAD WORK AHEAD	SIDE ROAD WORK 500'	OTHER
CHESTER							
TH #33	1	1					
TH #50	1	1					
TH #118	1	1					
TH #17	1	1					
TH #18	1	1					
TH #78	1	1					
TH #77	1	1					
TH #93	1	1					
VT 10		1			2	2	
TH #19	1	1					
TH #15	1	1					
TH #9	1	1					
CAVENDISH							
TH #34	1	1					
TH #49	1	1					
TH #34	1	1					
TH #1	1	1					
TH #60	1	1					
TH #48	1	1					
TH #48	1	1					
VT 131		1			2	2	
TH #45	1	1					
LUDLOW							
TH #70	1	1					
TH #29	1	1					
TH #6	1	1					
TH #20	1	1					
TH #26	1	1					
TH #19	1	1					
BEGINNING OF PROJECT	2	1	2	1			
END OF PROJECT	2	1	2	1			
TOTAL	29	29	4	2	4	4	

LEGEND

- RWA = ROAD WORK AHEAD
- RW500 = ROAD WORK 500'
- RWN = ROAD WORK NEXT 11 MILES
- ERW = END ROAD WORK
- SRWA = SIDE ROAD WORK AHEAD
- SRW500 = SIDE ROAD WORK 500'

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

CONSTRUCTION APPROACH SIGNING

SURVEYED BY	CLD	DATE	1/05
DRAWN BY	NLL	DATE	5/05
SQUAD LEADER	CRB		
DESIGN FILE NO.	/pave/01b038/pb038.dgn		
IPARM FILE	pb038cs01.i	DATE PLOTTED	16-OCT-2009 17:17
PROJ. NAME	CHESTER - LUDLOW		
PROJ. NO.	NH 2326(1)S		
SHEET	110	OF	110 SHEETS